

**TECHNICAL MANUAL**

**AVIATION UNIT AND INTERMEDIATE MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**FOR**

**HELICOPTER, ATTACK,  
AH-64A APACHE  
(NSN 1520-01-106-9519)**

**DISTRIBUTION STATEMENT A:** Approved for public release; distribution is unlimited.

\*This manual together with TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-4, and TM 1-1520-238-23P-5, supersedes TM 55-1520-238-23P-1, TM 55-1520-238-23P-2, TM 55-1520-238-23P-3, TM 55-1520-238-23P-4 and TM 55-1520-238-23P-5, dated 24 October 1994, including all changes.

---

**HEADQUARTERS, DEPARTMENT OF THE ARMY  
28 May 1996**



CHANGE }  
NO. 7 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 23 April 2004

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For  
HELICOPTER, ATTACK, AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a pointing hand.

Remove pages

A through F  
i through xxiii/(xxiv Blank)  
555-1 through Fig. 561  
663-1 through 664-2  
687-1 through Fig. 691  
756-1 and Fig. 757

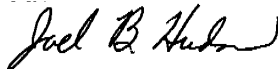
Insert pages

A through F  
i through xxiii/(xxiv Blank)  
555-1 through Fig. 561  
663-1 through 664-2  
687-1 through Fig. 691  
756-1 and Fig.757

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



**JOEL B. HUDSON**

*Administrative Assistant to the  
Secretary of the Army*  
0405505

**PETER J. SCHOOMAKER**  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:**

To be distributed in accordance with Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.



CHANGE }  
NO. 6 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 21 June 2002

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For  
HELICOPTER, ATTACK, AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a pointing hand.

| Remove pages                    | Insert pages                    |
|---------------------------------|---------------------------------|
| A through F                     | A through F                     |
| i and ii                        | i and ii                        |
| xxiii/(xxiv blank)              | xxiii/(xxiv blank)              |
| 555-1 through 581-2             | 555-1 through 581-2             |
| 582-1 through Fig. 584          | 582-1 through Fig. 584          |
| 585-1 and Fig. 586              | 585-1 and Fig. 586              |
| 587-1 and 587-2                 | 587-1 and 587-2                 |
| 588-1 through 591-2             | 588-1 through 591-2             |
| 593-1 through 601-2             | 593-1 through 601-2             |
| 602-1 through 603-2             | 602-1 through 603-2             |
| 604-1 through Fig. 641          | 604-1 through Fig. 641          |
| 642-1 through Fig. 646          | 642-1 through Fig. 646          |
| 647-1 through Fig. 649          | 647-1 through Fig. 649          |
| 650-1 through 654-2             | 650-1 through 654-2             |
| 655-1 through 668-2             | 655-1 through 668-2             |
| 670-1 through 676-2             | 670-1 through 676-2             |
| 677-1 and Fig. 678              | 677-1 and Fig. 678              |
| 679-1 through 688-2             | 679-1 through 688-2             |
| 691-1 through Fig. 695          | 691-1 through Fig. 695          |
| 696-1 through 698-2             | 696-1 through 698-2             |
| 699-1 through Fig. 709          | 699-1 through Fig. 709          |
| 710-1 through 711-2             | 710-1 through 711-2             |
| blank/Fig. 714 through Fig. 715 | blank/Fig. 714 through Fig. 715 |
| 717-1 through Fig. 730          | 717-1 through Fig. 730          |
| 731-1 and 731-2                 | 731-1 and 731-2                 |
| 732-1 and Fig. 733              | 732-1 and Fig. 733              |
| 739-1 through Fig. 745          | 739-1 through Fig. 745          |
| 753-1 and Fig. 754              | 753-1 and Fig. 754              |
| 755-1 through Fig. 757          | 755-1 through Fig. 757          |
| 761-1 and Fig. 762              | 761-1 and Fig. 762              |
| 766-1 through Fig. 768          | 766-1 through Fig. 768          |
| 770-1 and Fig. 771              | 770-1 and Fig. 771              |
| 772-1 through Fig. 774          | 772-1 through Fig. 774          |
| 779-1 through Fig. 781          | 779-1 through Fig. 781          |

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



**JOEL B. HUDSON**  
*Administrative Assistant to the  
Secretary of the Army*  
0211302

**ERIC K. SHINSEKI**  
*General, United States Army  
Chief of Staff*

**By Order of the Secretary of the Army:**

**DISTRIBUTION:**

To be distributed in accordance with Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.

CHANGE }  
NO. 5 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 25 May 2001

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For  
HELICOPTER, ATTACK, AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a pointing hand.

Remove pages

- - - - -  
i and ii  
Blank/Fig. 555 through Fig. 556  
557-1 and Fig. 558  
561-1 and Fig. 562  
573-1 and Fig. 574  
578-1 and Fig. 579  
587-1 and 587-2  
593-1 through Fig. 595  
596-1 and 596-2  
Blank/Fig. 597 through Fig. 600  
601-1 and 601-2  
602-1 through 603-2  
604-1 and 604-2  
606-1 through Fig. 611  
619-1 and 619-2  
622-1 through Fig. 624  
625-1 and 625-2  
627-1 through Fig. 629  
631-1 and 631-2  
632-1 and 632-2  
633-1 through Fig. 636  
640-1 and Fig. 641  
642-1 and Fig. 643  
644-1 and Fig. 645  
652-1 and Fig. 653  
657-1 through Fig. 659  
667-1 and Fig. 668  
670-1 through Fig. 673  
674-1 through 676-2  
687-1 and Fig. 688  
693-1 and Fig. 694  
696-1 through 698-2  
701-1 and Fig. 702  
705-1 and Fig. 706  
708-1 and Fig. 709  
717-1 through Fig. 722  
728-1 through 731-2  
734-1 through Fig. 738

Insert pages

A through F  
i and ii  
Blank/Fig. 555 through Fig. 556  
557-1 and Fig. 558  
561-1 and Fig. 562  
573-1 and Fig. 574  
578-1 and Fig. 579  
587-1 and 587-2  
593-1 through Fig. 595  
596-1 and 596-2  
Blank/Fig. 597 through Fig. 600  
601-1 and 601-2  
602-1 through 603-2  
604-1 and 604-2  
606-1 through Fig. 611  
619-1 and 619-2  
622-1 through Fig. 624  
625-1 and 625-2  
627-1 through Fig. 629  
631-1 and 631-2  
632-1 and 632-2  
633-1 through Fig. 636  
640-1 and Fig. 641  
642-1 and Fig. 643  
644-1 and Fig. 645  
652-1 and Fig. 653  
657-1 through Fig. 659  
667-1 and Fig. 668  
670-1 through Fig. 673  
674-1 through 676-2  
687-1 and Fig. 688  
693-1 and Fig. 694  
696-1 through 698-2  
701-1 and Fig. 702  
705-1 and Fig. 706  
708-1 and Fig. 709  
717-1 through Fig. 722  
728-1 through 731-2  
734-1 through Fig. 738

Remove pages

740-1 and Fig. 741  
746-1 through Fig. 755  
761-1 and Fig. 762  
766-1 through Fig. 768  
774-1 and Fig. 775  
777-1 through Fig. 780A  
780B-1 through Fig. 781  
782-1 and Fig. 783

Insert pages

740-1 and Fig. 741  
746-1 through Fig. 755  
761-1 and Fig. 762  
766-1 through Fig. 768  
774-1 and Fig. 775  
777-1 through Fig. 780A  
780B-1 through Fig. 781  
782-1 and Fig. 783

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



**JOEL B. HUDSON**  
*Administrative Assistant to the  
Secretary of the Army*

**ERIC K. SHINSEKI**  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:**

To be distributed in accordance with Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.



CHANGE }  
NO. 4 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 16 February 2000

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For  
HELICOPTER, ATTACK, AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a pointing hand.

Remove pages

-----  
v through xxiii/(xxiv blank)  
557-1 and Fig. 558  
561-1 through Fig. 568  
570-1 and Fig. 571  
572-1 through Fig. 578  
581-1 and 581-2  
584-1 and Fig. 585  
586-1 and Fig. 587  
593-1 and Fig. 594  
635-1 and Fig. 636  
637-1 through Fig. 639  
642-1 and Fig. 643  
653-1 and Fig. 654  
659-1 through Fig. 661  
664-1 through Fig. 666  
667-1 through 668-2  
670-1 through Fig. 673  
674-1 and Fig. 675  
676-1 and 676-2  
686-1 and 686-2  
691-1 through Fig. 695  
699-1 and Fig. 700  
702-1 and Fig. 703  
707-1 and Fig. 708  
710-1 through 711-2  
722-1 and Fig. 723  
724-1 and Fig. 725  
731-1 and 731-2  
742-1 and Fig. 743  
758-1 and Fig. 759  
761-1 and Fig. 762  
766-1 through Fig. 768  
770-1 and Fig. 771  
777-1 and Fig. 778  
779-1 through Fig. 781  
783-1/(783-2 blank)

Insert pages

A through C/(D blank)  
v through xxiii/(xxiv/blank)  
557-1 and Fig. 558  
561-1 through Fig. 568  
570-1 and Fig. 571  
572-1 through Fig. 578  
581-1 and 581-2  
584-1 and Fig. 585  
586-1 and Fig. 587  
593-1 and Fig. 594  
635-1 and Fig. 636  
637-1 through Fig. 639  
642-1 and Fig. 643  
653-1 and Fig. 654  
659-1 through Fig. 661  
664-1 through Fig. 666  
667-1 through 668-2  
670-1 through Fig. 673  
674-1 and Fig. 675  
676-1 and 676-2  
686-1 and 686-2  
691-1 through Fig. 695  
699-1 and Fig. 700  
702-1 and Fig. 703  
707-1 and Fig. 708  
710-1 through 711-2  
722-1 and Fig. 723  
724-1 and Fig. 725  
731-1 and 731-2  
742-1 and Fig. 743  
758-1 and Fig. 759  
761-1 and Fig. 762  
766-1 through Fig. 768  
770-1 and Fig. 771  
777-1 and Fig. 778  
779-1 through Fig. 781  
783-1/(783-2 blank)

2. Retain these sheets in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON

*Administrative Assistant to the  
Secretary of the Army*

9934802

ERIC K. SHINSEKI  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:**

To be distributed in accordance with Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.

CHANGE }  
NO. 3 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 30 November 1998

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For

HELICOPTER, ATTACK  
AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 9 February 1996, is changed as follows:

1. The supersession notice has been changed to read, as shown on the i page.
2. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages

i through xxii  
555-1 and Fig. 556  
558-1 and Fig. 559  
561-1 and Fig. 562  
564-1 through Fig. 569  
570-1 through Fig. 578  
580-1 through 581-2  
582-1 through 587-2  
589-1 through 591-2  
593-1 and Fig. 594  
596-1 and 596-2  
597-1 and Fig. 598  
599-1 and Fig. 600  
601-1 and 601-2  
603-1 and 603-2  
604-1 and 604-2  
605-1 through 608-2  
609-1 through 610-2  
618-1 and Fig. 619  
622-1 and Fig. 623  
625-1 and 625-2  
627-1 and 627-2  
628-1 and Fig. 629  
631-1 and 631-2  
632-1 and 632-2  
633-1 through Fig. 636  
638-1 and Fig. 639  
640-1 and Fig. 641  
646-1 through Fig. 648  
649-1 through Fig. 651  
655-1 and Fig. 656  
657-1 through Fig. 659

Insert pages

i through xxii  
555-1 and Fig. 556  
558-1 and Fig. 559  
561-1 and Fig. 562  
564-1 through Fig. 569  
570-1 through Fig. 578  
580-1 through 581-2  
582-1 through 587-2  
588-1 through 591-2  
593-1 and Fig. 594  
596-1 and 596-2  
597-1 and Fig. 598  
599-1 and Fig. 600  
601-1 and 601-2  
603-1 and 603-2  
604-1 and 604-2  
605-1 through 608-2  
609-1 through 610-2  
618-1 and Fig. 619  
622-1 and Fig. 623  
625-1 and 625-2  
627-1 and 627-2  
628-1 and Fig. 629  
631-1 and 631-2  
632-1 and 632-2  
633-1 through Fig. 636  
638-1 and Fig. 639  
640-1 and Fig. 641  
646-1 through Fig. 648  
649-1 through Fig. 651  
655-1 and Fig. 656  
657-1 through Fig. 659

Remove pages

664-1 and Fig. 665  
667-1 and Fig. 668  
670-1 through Fig. 673  
675-1 through 676-2  
680-1 and Fig. 681  
684-1 through 686-2  
687-1 through 688-2  
691-1 and Fig. 692  
693-1 and Fig. 694  
696-1 through 698-2  
699-1 through Fig. 702  
703-1 through Fig. 705  
707-1 through Fig. 709  
710-1 through 711-2  
716-1 and Fig. 717  
718-1 through Fig. 721  
724-1 and Fig. 725  
726-1 and Fig. 727  
729-1 and Fig. 730  
731-1 and 731-2  
734-1 and Fig. 735  
740-1 through Fig. 743  
744-1 through Fig. 746  
747-1 through Fig. 750  
755-1 through Fig. 758  
768-1 and Fig. 769  
770-1 and Fig. 771  
776-1 and Fig. 777  
780B-1 through Fig. 781  
783-1 and 783-2(blank)

Insert pages

664-1 and Fig. 665  
667-1 and Fig. 668  
670-1 through Fig. 673  
675-1 through 676-2  
680-1 and Fig. 681  
684-1 through 686-2  
687-1 through 688-2  
691-1 and Fig. 692  
693-1 and Fig. 694  
696-1 through 698-2  
699-1 through Fig. 702  
703-1 through Fig. 705  
707-1 through Fig. 709  
710-1 through 711-2  
716-1 and Fig. 717  
718-1 through Fig. 721  
724-1 and Fig. 725  
726-1 and Fig. 727  
729-1 and Fig. 730  
731-1 and 731-2  
734-1 and Fig. 735  
740-1 through Fig. 743  
744-1 through Fig. 746  
747-1 through Fig. 750  
755-1 through Fig. 758  
768-1 and Fig. 769  
770-1 and Fig. 771  
776-1 and Fig. 777  
780B-1 through Fig. 781  
783-1 and 783-2(blank)

3. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON

*Administrative Assistant to the  
Secretary of the Army*

05378

DENNIS J. REIMER  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:** To be distributed in accordance with DA Form 12-31-E, block no. 3448, requirements for TM 1-1520-238-23P-3.

CHANGE }  
NO. 2 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 28 November 1997

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For

HELICOPTER, ATTACK  
AH-64A APACHE  
(NSN 1520-01-106-9519)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages

iii through xxii  
560-1 through Fig. 562  
566-1 through Fig. 569  
570-1 and Fig. 571  
573-1 through Fig. 580  
581-1 and 581-2  
582-1 through 587-2  
588-1 through 591-2  
592-1 through Fig. 594  
596-1 and 596-2  
597-1 and Fig. 598  
599-1 through 601-2  
602-1 and Fig. 603  
604-1 and Fig. 604-2  
607-1 through 608-2  
614-1 and Fig. 615  
622-1 through 625-2  
628-1 and Fig. 629  
631-1 through 632-2  
635-1 and Fig. 636  
637-1 through Fig. 641  
643-1 and Fig. 644  
647-1 through Fig. 649  
650-1 through 654-2  
655-1 through Fig. 658  
662-1 and Fig. 663  
664-1 through 668-2  
670-1 through Fig. 673  
676-1 and 676-2  
679-1 and Fig. 680  
Blank/Fig. 687 through Fig. 688  
689-1 and Fig. 690  
694-1 and Fig. 695  
696-1 through Fig. 702  
703-1 and Fig. 704

Insert pages

iii through xxii  
560-1 through Fig. 562  
566-1 through Fig. 569  
570-1 and Fig. 571  
573-1 through Fig. 580  
581-1 and 581-2  
582-1 through 587-2  
588-1 through 591-2  
592-1 through Fig. 594  
596-1 and 596-2  
597-1 and Fig. 598  
599-1 through 601-2  
602-1 and Fig. 603  
604-1 and Fig. 604-2  
607-1 through 608-2  
614-1 and Fig. 615  
622-1 through 625-2  
628-1 and Fig. 629  
631-1 through 632-2  
635-1 and Fig. 636  
637-1 through Fig. 641  
643-1 and Fig. 644  
647-1 through Fig. 649  
650-1 through 654-2  
655-1 through Fig. 658  
662-1 and Fig. 663  
664-1 through 668-2  
670-1 through Fig. 673  
676-1 and 676-2  
679-1 and Fig. 680  
Blank/Fig. 687 through Fig. 688  
689-1 and Fig. 690  
694-1 and Fig. 695  
696-1 through Fig. 702  
703-1 and Fig. 704

Remove pages

710-1 and Fig. 711  
723-1 through Fig. 725  
726-1 and Fig. 727  
731-1 and 731-2  
733-1 through Fig. 735  
742-1 through Fig. 745  
755-1 through Fig. 757  
766-1 through 783-1/Blank

Insert pages

710-1 and Fig. 711  
723-1 through Fig. 725  
726-1 and Fig. 727  
731-1 and 731-2  
733-1 through Fig. 735  
742-1 through Fig. 745  
755-1 through Fig. 757  
766-1 through 783-1/Blank

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON

*Administrative Assistant to the  
Secretary of the Army*

04335

DENNIS J. REIMER  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:**

To be distributed in accordance with INITIAL DISTRIBUTION NUMBER (IDN) 311318, requirements for TM 1-1520-238-23P-3.

CHANGE }  
NO. 1 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 30 April 1997

Aviation Unit and Intermediate Maintenance  
Repair Parts and Special Tools List  
For

**HELICOPTER, ATTACK  
AH-64A APACHE  
(NSN 1520-01-106-9519)**

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 1-1520-238-23P-3, 28 May 1996, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages

587-1 and 587-2  
632-1 and 632-2  
634-1 and Fig. 635  
699-1 and Fig. 700  
714-1 and Fig. 715  
717-1 through Fig. 722  
726-1 through Fig. 730

Insert pages

587-1 and 587-2  
632-1 and 632-2  
634-1 and Fig. 635  
699-1 and Fig. 700  
714-1 and Fig. 715  
717-1 through Fig. 722  
726-1 through Fig. 730

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON

*Administrative Assistant to the  
Secretary of the Army*

03404

DENNIS J. REIMER  
*General, United States Army  
Chief of Staff*

**DISTRIBUTION:**

To be distributed in accordance with DA Form 12-31-E, block no. 1318, requirements for TM 1-1520-238-23P-3.





INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

**NOTE:** The portion of the text affected by the changes is indicated by a vertical line in the outer margins of the page. Changes to illustrations are indicated by miniature pointing hands. Changes to wiring diagrams are indicated by shaded areas.

Date of issue for original and change pages are:

|   |  |
|---|--|
| Original . . . . . 0 . . . . . 28 MAY 1996    | Change . . . . . 4 . . . . . 24 MARCH 1999 |
| Change . . . . . 1 . . . . . 30 APRIL 1997    | Change . . . . . 5 . . . . . 25 MAY 2001   |
| Change . . . . . 2 . . . . . 28 NOVEMBER 1997 | Change . . . . . 6 . . . . . 21 JUNE 2001  |
| Change . . . . . 3 . . . . . 30 NOVEMBER 1998 | Change . . . . . 7 . . . . .               |

**TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 554, CONSISTING OF THE FOLLOWING:**

| <b>Page No.</b>    | <b>*Change No.</b> | <b>Page No.</b>    | <b>*Change No.</b> |
|--------------------|--------------------|--------------------|--------------------|
| Cover . . . . .    | 0                  | Fig. 562 . . . . . | 0                  |
| Blank . . . . .    | 0                  | 562-1 . . . . .    | 6                  |
| A - F . . . . .    | 7                  | Fig. 563 . . . . . | 6                  |
| i . . . . .        | 7                  | 563-1 . . . . .    | 6                  |
| ii . . . . .       | 0                  | Fig. 564 . . . . . | 0                  |
| iii . . . . .      | 2                  | 564-1 . . . . .    | 6                  |
| iv . . . . .       | 7                  | Fig. 565 . . . . . | 0                  |
| v . . . . .        | 7                  | 565-1 . . . . .    | 6                  |
| vi . . . . .       | 7                  | Fig. 566 . . . . . | 0                  |
| vii . . . . .      | 7                  | 566-1 . . . . .    | 6                  |
| viii . . . . .     | 7                  | Fig. 567 . . . . . | 0                  |
| ix . . . . .       | 7                  | 567-1 . . . . .    | 6                  |
| x . . . . .        | 7                  | Fig. 568 . . . . . | 6                  |
| xi . . . . .       | 7                  | 568-1 . . . . .    | 6                  |
| xii . . . . .      | 7                  | Fig. 569 . . . . . | 6                  |
| xiii . . . . .     | 7                  | 569-1 . . . . .    | 6                  |
| xiv . . . . .      | 7                  | Fig. 570 . . . . . | 0                  |
| xv . . . . .       | 7                  | 570-1 . . . . .    | 6                  |
| xvi . . . . .      | 7                  | Fig. 571 . . . . . | 6                  |
| xvii . . . . .     | 7                  | 571-1 . . . . .    | 6                  |
| xviii . . . . .    | 7                  | Fig. 572 . . . . . | 6                  |
| xix . . . . .      | 7                  | 572-1 . . . . .    | 6                  |
| xx . . . . .       | 7                  | Fig. 573 . . . . . | 0                  |
| xxi . . . . .      | 7                  | 573-1 . . . . .    | 6                  |
| xxii . . . . .     | 7                  | Fig. 574 . . . . . | 0                  |
| xxiii . . . . .    | 7                  | 574-1 . . . . .    | 6                  |
| Blank . . . . .    | 0                  | Fig. 575 . . . . . | 6                  |
| 1-8 . . . . .      | 0                  | 575-1 . . . . .    | 6                  |
| Blank . . . . .    | 0                  | Fig. 576 . . . . . | 0                  |
| Fig. 555 . . . . . | 5                  | 576-1 . . . . .    | 6                  |
| 555-1 . . . . .    | 7                  | Fig. 577 . . . . . | 0                  |
| Fig. 556 . . . . . | 6                  | 577-1 . . . . .    | 6                  |
| 556-1 . . . . .    | 6                  | Fig. 578 . . . . . | 0                  |
| Fig. 557 . . . . . | 7                  | 578-1 . . . . .    | 6                  |
| 557-1 . . . . .    | 7                  | Fig. 579 . . . . . | 6                  |
| Fig. 558 . . . . . | 0                  | 579-1 . . . . .    | 6                  |
| 558-1 . . . . .    | 7                  | Fig. 580 . . . . . | 0                  |
| Fig. 559 . . . . . | 6                  | 580-1 . . . . .    | 6                  |
| 559-1 . . . . .    | 6                  | Fig. 581 . . . . . | 0                  |
| Fig. 560 . . . . . | 7                  | 581-1 . . . . .    | 6                  |
| 560-1 . . . . .    | 7                  | 581-2 . . . . .    | 6                  |
| Fig. 561 . . . . . | 2                  | Blank . . . . .    | 0                  |
| 561-1 . . . . .    | 6                  | Fig. 582 . . . . . | 0                  |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| Page No. | *Change No. | Page No. | *Change No. |
|----------|-------------|----------|-------------|
| 582-1    | 6           | Blank    | 0           |
| Fig. 583 | 2           | Fig. 604 | 0           |
| 583-1    | 6           | 604-1    | 6           |
| Fig. 584 | 2           | 604-2    | 0           |
| 584-1    | 4           | Blank    | 0           |
| Fig. 585 | 2           | Fig. 605 | 6           |
| 585-1    | 6           | 605-1    | 6           |
| Fig. 586 | 2           | Fig. 606 | 0           |
| 586-1    | 4           | 606-1    | 6           |
| Fig. 587 | 0           | Fig. 607 | 6           |
| 587-1    | 6           | 607-1    | 6           |
| 587-2    | 3           | Fig. 608 | 5           |
| Blank    | 0           | 608-1    | 6           |
| Fig. 588 | 0           | Fig. 609 | 0           |
| 588-1    | 6           | 609-1    | 6           |
| Fig. 589 | 3           | Fig. 610 | 5           |
| 589-1    | 6           | 610-1    | 6           |
| Fig. 590 | 0           | Fig. 611 | 6           |
| 590-1    | 6           | 611-1    | 6           |
| Fig. 591 | 3           | Fig. 612 | 6           |
| 591-1    | 6           | 612-1    | 6           |
| 591-2    | 6           | Fig. 613 | 6           |
| Blank    | 0           | 613-1    | 6           |
| Fig. 592 | 0           | Fig. 614 | 6           |
| 592-1    | 0           | 614-1    | 6           |
| Fig. 593 | 2           | Fig. 615 | 6           |
| 593-1    | 6           | 615-1    | 6           |
| Fig. 594 | 6           | Fig. 616 | 6           |
| 594-1    | 6           | 616-1    | 6           |
| Fig. 595 | 0           | Fig. 617 | 6           |
| 595-1    | 6           | 617-1    | 6           |
| Fig. 596 | 0           | Fig. 618 | 6           |
| 596-1    | 6           | 618-1    | 6           |
| 596-2    | 6           | Fig. 619 | 0           |
| Blank    | 0           | 619-1    | 6           |
| Fig. 597 | 6           | 619-2    | 0           |
| 597-1    | 6           | Blank    | 0           |
| Fig. 598 | 0           | Fig. 620 | 6           |
| 598-1    | 6           | 620-1    | 6           |
| Fig. 599 | 6           | Fig. 621 | 6           |
| 599-1    | 6           | 621-1    | 6           |
| Fig. 600 | 0           | Fig. 622 | 0           |
| 600-1    | 0           | 622-1    | 6           |
| Fig. 601 | 6           | Fig. 623 | 6           |
| 601-1    | 6           | 623-1    | 6           |
| 601-2    | 6           | Fig. 624 | 0           |
| Blank    | 0           | 624-1    | 6           |
| Fig. 602 | 0           | Fig. 625 | 6           |
| 602-1    | 6           | 625-1    | 6           |
| Fig. 603 | 6           | 625-2    | 6           |
| 603-1    | 6           | Blank    | 0           |
| 603-2    | 6           | Fig. 626 | 6           |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| Page No. | *Change No. | Page No. | *Change No. |
|----------|-------------|----------|-------------|
| 626-1    | 6           | 648-1    | 6           |
| 626-2    | 0           | Fig. 649 | 0           |
| Blank    | 0           | 649-1    | 3           |
| Fig. 627 | 6           | Fig. 650 | 0           |
| 627-1    | 6           | 650-1    | 6           |
| 627-2    | 6           | Fig. 651 | 6           |
| Blank    | 0           | 651-1    | 6           |
| Fig. 628 | 6           | Fig. 652 | 6           |
| 628-1    | 6           | 652-1    | 6           |
| Fig. 629 | 6           | Fig. 653 | 0           |
| 629-1    | 6           | 653-1    | 6           |
| Fig. 630 | 0           | Fig. 654 | 0           |
| 630-1    | 6           | 654-1    | 6           |
| Fig. 631 | 6           | 654-2    | 0           |
| 631-1    | 6           | Blank    | 0           |
| 631-2    | 0           | Fig. 655 | 0           |
| Blank    | 0           | 655-1    | 6           |
| Fig. 632 | 6           | Fig. 656 | 2           |
| 632-1    | 6           | 656-1    | 6           |
| 632-2    | 6           | Fig. 657 | 0           |
| Blank    | 0           | 657-1    | 6           |
| Fig. 633 | 6           | Fig. 658 | 0           |
| 633-1    | 6           | 658-1    | 6           |
| Fig. 634 | 0           | Fig. 659 | 0           |
| 634-1    | 6           | 659-1    | 6           |
| Fig. 635 | 6           | Fig. 660 | 0           |
| 635-1    | 6           | 660-1    | 6           |
| Fig. 636 | 6           | Fig. 661 | 0           |
| 636-1    | 6           | 661-1    | 6           |
| Fig. 637 | 6           | Fig. 662 | 6           |
| 637-1    | 6           | 662-1    | 6           |
| Fig. 638 | 2           | Fig. 663 | 6           |
| 638-1    | 6           | 663-1    | 6           |
| Fig. 639 | 2           | Fig. 664 | 7           |
| 639-1    | 2           | 664-1    | 7           |
| Fig. 640 | 6           | 664-2    | 7           |
| 640-1    | 6           | Blank    | 0           |
| Fig. 641 | 0           | Fig. 665 | 2           |
| 641-1    | 0           | 665-1    | 6           |
| Fig. 642 | 0           | Fig. 666 | 6           |
| 642-1    | 6           | 666-1    | 6           |
| Fig. 643 | 0           | Fig. 667 | 0           |
| 643-1    | 6           | 667-1    | 6           |
| Fig. 644 | 0           | Fig. 668 | 0           |
| 644-1    | 6           | 668-1    | 6           |
| Fig. 645 | 0           | 668-2    | 6           |
| 645-1    | 6           | Blank    | 0           |
| Fig. 646 | 0           | Fig. 669 | 0           |
| 646-1    | 3           | 669-1    | 0           |
| Fig. 647 | 0           | Fig. 670 | 2           |
| 647-1    | 6           | 670-1    | 6           |
| Fig. 648 | 0           | Fig. 671 | 0           |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| Page No. | *Change No. | Page No. | *Change No. |
|----------|-------------|----------|-------------|
| 671-1    | 6           | 694-1    | 6           |
| Fig. 672 | 0           | Fig. 695 | 0           |
| 672-1    | 6           | 695-1    | 0           |
| Fig. 673 | 0           | Fig. 696 | 0           |
| 673-1    | 6           | 696-1    | 6           |
| Fig. 674 | 0           | Fig. 697 | 0           |
| 674-1    | 6           | 697-1    | 6           |
| Fig. 675 | 5           | Fig. 698 | 0           |
| 675-1    | 6           | 698-1    | 6           |
| Fig. 676 | 6           | 698-2    | 6           |
| 676-1    | 6           | Blank    | 0           |
| 676-2    | 3           | Fig. 699 | 2           |
| Blank    | 0           | 699-1    | 6           |
| Fig. 677 | 0           | Fig. 700 | 6           |
| 677-1    | 6           | 700-1    | 6           |
| Fig. 678 | 0           | Fig. 701 | 2           |
| 678-1    | 0           | 701-1    | 6           |
| Fig. 679 | 0           | Fig. 702 | 0           |
| 679-1    | 6           | 702-1    | 6           |
| Fig. 680 | 6           | Fig. 703 | 0           |
| 680-1    | 6           | 703-1    | 6           |
| Fig. 681 | 0           | Fig. 704 | 0           |
| 681-1    | 6           | 704-1    | 6           |
| Fig. 682 | 0           | Fig. 705 | 6           |
| 682-1    | 6           | 705-1    | 6           |
| Fig. 683 | 0           | Fig. 706 | 0           |
| 683-1    | 6           | 706-1    | 6           |
| Fig. 684 | 0           | Fig. 707 | 0           |
| 684-1    | 6           | 707-1    | 6           |
| Fig. 685 | 3           | Fig. 708 | 0           |
| 685-1    | 6           | 708-1    | 6           |
| Fig. 686 | 0           | Fig. 709 | 0           |
| 686-1    | 6           | 709-1    | 0           |
| 686-2    | 6           | Fig. 710 | 0           |
| Blank    | 0           | 710-1    | 6           |
| Fig. 687 | 6           | Fig. 711 | 6           |
| 687-1    | 7           | 711-1    | 6           |
| Fig. 688 | 7           | 711-2    | 6           |
| 688-1    | 7           | Blank    | 0           |
| 688-2    | 7           | Fig. 712 | 0           |
| Blank    | 0           | 712-1    | 0           |
| Fig. 689 | 7           | Fig. 713 | 0           |
| 689-1    | 7           | 713-1    | 0           |
| Fig. 690 | 7           | Blank    | 0           |
| 690-1    | 7           | Bulk 1-7 | 0           |
| Fig. 691 | 0           | Blank    | 0           |
| 691-1    | 6           | Blank    | 0           |
| Fig. 692 | 0           | Fig. 714 | 6           |
| 692-1    | 6           | 714-1    | 6           |
| Fig. 693 | 0           | Fig. 715 | 0           |
| 693-1    | 6           | 715-1    | 0           |
| Fig. 694 | 0           | Fig. 716 | 0           |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| Page No. | *Change No. | Page No. | *Change No. |
|----------|-------------|----------|-------------|
| 716-1    | 0           | 741-1    | 6           |
| Fig. 717 | 0           | Fig. 742 | 6           |
| 717-1    | 5           | 742-1    | 6           |
| Fig. 718 | 1           | Fig. 743 | 0           |
| 718-1    | 5           | 743-1    | 6           |
| Fig. 719 | 1           | Fig. 744 | 2           |
| 719-1    | 5           | 744-1    | 6           |
| Fig. 720 | 1           | Fig. 745 | 0           |
| 720-1    | 5           | 745-1    | 3           |
| Fig. 721 | 1           | Fig. 746 | 0           |
| 721-1    | 5           | 746-1    | 5           |
| Fig. 722 | 0           | Fig. 747 | 0           |
| 722-1    | 6           | 747-1    | 5           |
| Fig. 723 | 0           | Fig. 748 | 0           |
| 723-1    | 6           | 748-1    | 5           |
| Fig. 724 | 0           | Fig. 749 | 0           |
| 724-1    | 6           | 749-1    | 5           |
| Fig. 725 | 0           | Fig. 750 | 0           |
| 725-1    | 6           | 750-1    | 5           |
| Fig. 726 | 0           | Fig. 751 | 0           |
| 726-1    | 3           | 751-1    | 5           |
| Fig. 727 | 1           | Fig. 752 | 0           |
| 727-1    | 1           | 752-1    | 5           |
| Fig. 728 | 1           | Fig. 753 | 0           |
| 728-1    | 5           | 753-1    | 6           |
| Fig. 729 | 1           | Fig. 754 | 0           |
| 729-1    | 6           | 754-1    | 5           |
| Fig. 730 | 0           | Fig. 755 | 0           |
| 730-1    | 5           | 755-1    | 6           |
| Fig. 731 | 0           | Fig. 756 | 0           |
| 731-1    | 6           | 756-1    | 7           |
| 731-2    | 5           | Fig. 757 | 3           |
| Blank    | 0           | 757-1    | 3           |
| Fig. 732 | 0           | Fig. 758 | 0           |
| 732-1    | 6           | 758-1    | 4           |
| Fig. 733 | 0           | Fig. 759 | 0           |
| 733-1    | 2           | 759-1    | 0           |
| Fig. 734 | 0           | Fig. 760 | 0           |
| 734-1    | 5           | 760-1    | 0           |
| Fig. 735 | 0           | Fig. 761 | 0           |
| 735-1    | 5           | 761-1    | 6           |
| Fig. 736 | 0           | Fig. 762 | 0           |
| 736-1    | 5           | 762-1    | 0           |
| Fig. 737 | 0           | Fig. 763 | 0           |
| 737-1    | 5           | 763-1    | 0           |
| Fig. 738 | 0           | Fig. 764 | 0           |
| 738-1    | 0           | 764-1    | 0           |
| Fig. 739 | 0           | Fig. 765 | 0           |
| 739-1    | 6           | 765-1    | 0           |
| Fig. 740 | 0           | Fig. 766 | 0           |
| 740-1    | 6           | 766-1    | 6           |
| Fig. 741 | 0           | Fig. 767 | 6           |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| Page No.           | *Change No. | Page No. | *Change No. |
|--------------------|-------------|----------|-------------|
| 767-1              | 6           |          |             |
| Fig. 768           | 0           |          |             |
| 768-1              | 3           |          |             |
| Fig. 769 (Deleted) | 2           |          |             |
| Blank              | 0           |          |             |
| Fig. 770           | 2           |          |             |
| 770-1              | 6           |          |             |
| Fig. 771           | 2           |          |             |
| 771-1              | 2           |          |             |
| Fig. 772           | 2           |          |             |
| 772-1              | 6           |          |             |
| Fig. 773           | 2           |          |             |
| 773-1              | 6           |          |             |
| Fig. 774           | 2           |          |             |
| 774-1              | 5           |          |             |
| Fig. 775           | 2           |          |             |
| 775-1              | 2           |          |             |
| Fig. 776           | 2           |          |             |
| 776-1              | 3           |          |             |
| Fig. 777           | 2           |          |             |
| 777-1              | 5           |          |             |
| Fig. 778           | 2           |          |             |
| 778-1              | 5           |          |             |
| Fig. 779           | 2           |          |             |
| 779-1              | 6           |          |             |
| Fig. 780           | 2           |          |             |
| 780-1              | 6           |          |             |
| Fig. 780A          | 2           |          |             |
| 780A-1             | 6           |          |             |
| Fig. 780B          | 2           |          |             |
| 780B-1             | 6           |          |             |
| Fig. 780C          | 2           |          |             |
| 780C-1             | 6           |          |             |
| Fig. 780D          | 6           |          |             |
| 780D-1             | 6           |          |             |
| Fig. 781           | 2           |          |             |
| 781-1              | 2           |          |             |
| Fig. 782           | 2           |          |             |
| 782-1              | 5           |          |             |
| Fig. 783           | 2           |          |             |
| 783-1              | 4           |          |             |
| Blank              | 0           |          |             |

\*Zero in this column indicates an original page.

Technical Manual  
No. 1-1520-238-23P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC 28 MAY 1996

**TECHNICAL MANUAL**

**AVIATION UNIT AND INTERMEDIATE MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR**

**HELICOPTER, ATTACK,  
AH-64A APACHE  
(NSN 1520-01-106-9519)**

**Current as of**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) located in the back of this manual, directly to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5000. A reply will be furnished to you. You may also provide DA Form 2028 information to AMCOM via e-mail, fax, or the World Wide Web. Our fax number is: DSN 788-6546 or Commercial 256-842-6546. Our e-mail address is: [2028@redstone.army.mil](mailto:2028@redstone.army.mil). Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028. For the World Wide Web use: <https://amcom2028.redstone.army.mil>.

**DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.**

**NOTE:**

This manual is printed in five volumes as follows:

- TM 1-1520-238-23P-1, consisting of Table of Contents, Section I and Section II (Functional Groups 00 thru 05).
  - TM 1-1520-238-23P-2, consisting of Table of Contents, Section I and Section II (Functional Groups 06 thru 09).
  - TM 1-1520-238-23P-3, consisting of Table of Contents, Section I and Section II (Functional Groups 10 thru 60) and Section III.
  - TM 1-1520-238-23P-4, consisting of Section I and Section IV (National Stock Number Index and Part Number Index).
  - TM 1-1520-238-23P-5, consisting of Section I and Section IV (Figure and Item Number Index).
- Sections I and IV are applicable to the -1, -2, -3, -4, and -5.

\*This manual together with TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-4, and TM 1-1520-238-23P-5, supersedes TM 55-1520-238-23P-1, TM 55-1520-238-23P-2, TM 55-1520-238-23P-3, TM 55-1520-238-23P-4 and TM 55-1520-238-23P-5, dated 24 October 1995, including all changes.

TABLE OF CONTENTS

|  | Page | Illus/<br>Figure |
|--|------|------------------|
| Section I. INTRODUCTION .....  | 1    |                  |
| Section II. REPAIR PARTS LIST .....  |      |                  |
| Group 00 AH-64A Helicopter (Exploded View) Functional Groups List .....              | 1-1  | 1                |
| Group 02 Airframe  |      |                  |
| Forward Fuselage Assembly .....  | 2-1  | 2                |
| Skin, Stringer Installation (FS 35 to FS 115) .....                                  | 3-1  | 3                |
| Forward Fuselage Assembly, Lower Access Doors .....                                  | 4-1  | 4                |
| Keel Beam Installation, Forward Fuselage .....                                       | 5-1  | 5                |
| Forward Fuselage Gun and Ammo Support .....  | 6-1  | 6                |
| Structure and Support Installation (FS 35 to FS 57) .....                            | 7-1  | 7                |
| Forward Fuselage Assembly, Electronic Shelf and Doors .....                          | 8-1  | 8                |
| Shelf Assembly, Aircraft (FS 35 to FS 57) .....                                      | 9-1  | 9                |
| Forward Fuselage Assembly, Canopy Door and Windshield .....                          | 10-1 | 10               |
| Forward Fuselage Assembly, TADS/PNVS Support .....                                   | 11-1 | 11               |
| Forward Avionics Bay and Fan Support Installation .....                              | 12-1 | 12               |
| Structure Installation, FWD Avionics Bay LH (Part 1) .....                           | 13-1 | 13               |
| Structure Installation, FWD Avionics Bay LH (Part 2) .....                           | 14-1 | 14               |
| Structure Installation, FWD Avionics Bay RH (Part 3) .....                           | 15-1 | 15               |
| Structure Installation, FWD Avionics Bay RH (Part 4) .....                           | 16-1 | 16               |
| Structure Installation, FWD Avionics Bay (Frame Assembly) (Part 5) .....             | 17-1 | 17               |
| Fairing, Fuselage, Nose Assembly .....   | 18-1 | 18               |
| Forward Fuselage Structure (FS 35 to FS 80) (Copilot/Gunner) .....                   | 19-1 | 19               |
| Floor Installation Assembly, Copilot/Gunner Cockpit .....                            | 20-1 | 20               |
| Frame Installation (FS 35 and FS 46) .....   | 21-1 | 21               |
| Frame Installation (FS 57 and FS 69) .....   | 22-1 | 22               |
| Frame Installation Assembly (FS 80) .....  | 23-1 | 23               |
| Frame Installation Assembly (FS 91) .....  | 24-1 | 24               |
| Forward Fuselage (FS 105 to FS 115) .....  | 25-1 | 25               |
| Frame Installation (FS 105) .....  | 26-1 | 26               |
| Frame Installation Assembly (FS 115) .....   | 27-1 | 27               |
| Beam and Pedal Support Installation (Pilot) .....                                    | 28-1 | 28               |
| Floor Installation Assembly, Pilot (Center) (FS 98 to FS 125) .....                  | 29-1 | 29               |
| Floor Installation Assembly, Pilot (Left and Right Sides)<br>(FS 98 to FS 125) ..... | 30-1 | 30               |
| Shelf Installation Assembly, FWD Avionics Bay LH .....                               | 31-1 | 31               |
| Shelf, Duct Assembly LH FAB .....  | 32-1 | 32               |
| Shelf Installation Assembly, FWD Avionics Bay RH .....                               | 33-1 | 33               |
| Shelf, Duct Assembly RH FAB .....  | 34-1 | 34               |
| Gun Fairing Assembly (FS 103) .....  | 35-1 | 35               |



**TABLE OF CONTENTS - Continued**

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Canopy Installation .....   | 36-1  | 36               |
| Structure Installation, Rollover .....  | 37-1  | 37               |
| Bow Beam Installation LH .....  | 38-1  | 38               |
| Bow Beam Installation RH .....  | 39-1  | 39               |
| Vent Installation Assembly .....  | 40-1  | 40               |
| Panel Installation Assembly, Upper AFT .....  | 41-1  | 41               |
| Canopy Installation Assembly LH .....   | 42-1  | 42               |
| Door and Bumper Installation, Copilot/Gunner .....  | 43-1  | 43               |
| Door and Bumper Installation, Pilot .....   | 44-1  | 44               |
| Mechanical Installation, Door (Lever, Pulleys and Cable Assembly)<br>Copilot/Gunner and Pilot .....   | 45-1  | 45               |
| Mechanical Installation, Door (Locking Bars, Push Rods and Handles)<br>Copilot/Gunner and Pilot ..... | 46-1  | 46               |
| Door Assembly, Canopy, Copilot/Gunner (Upper) .....   | 47-1  | 47               |
| Door Assembly, Canopy, Copilot/Gunner (Lower) .....   | 48-1  | 48               |
| Door Assembly, Canopy, Pilot (Upper) .....  | 49-1  | 49               |
| Door Assembly, Canopy, Pilot (Lower) .....  | 50-1  | 50               |
| Canopy Transparencies Installation .....  | 51-1  | 51               |
| Fitting Installation, Fuselage Fairing Support (Part 1) .....   | 52-1  | 52               |
| Fitting Installation, Fuselage Fairing Support (Part 2) .....   | 53-1  | 53               |
| Doubler Installation Assembly (FS 125) .....  | 54-1  | 54               |
| Center Fuselage Access Doors and Panels .....   | 55-1  | 55               |
| Center Fuselage Access Doors and Panels (Below WL 112) .....  | 56-1  | 56               |
| Center Fuselage Handle and Footstep Installation .....  | 57-1  | 57               |
| Bracket Assembly Installation, Rounds Counter Support .....   | 58-1  | 58               |
| Closeout Installation and Cross Tube, Main Landing Gear .....   | 59-1  | 59               |
| Bulkhead Installation Assembly (FS 125) .....   | 60-1  | 60               |
| Frame and Intercostal Installation (FS 125 to FS 135) .....   | 61-1  | 61               |
| Floor Installation, Pilot (Part 1) (FS 125 to FS 135) .....   | 62-1  | 62               |
| Floor Installation, Pilot (Part 2) (FS 125 to FS 135) .....   | 63-1  | 63               |
| Floor Installation, Pilot (FS 135 to FS 144) .....  | 64-1  | 64               |
| Floor Installation, Pilot (FS 144 to FS 163) .....  | 65-1  | 65               |
| Support Installation, Ammunition Chute (Part 1) .....   | 66-1  | 66               |
| Support Installation, Ammunition Chute (Part 2) .....   | 66A-1 | 66A              |
| Bulkhead Installation, Canted (Pilot) .....   | 67-1  | 67               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Left Side) (Part 1) ..                         | 68-1  | 68               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Left Side) (Part 2) ..                         | 69-1  | 69               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Right Side) .....                              | 70-1  | 70               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Top) .....                                     | 71-1  | 71               |
| Bulkhead Installation Assembly, Pilot .....   | 72-1  | 72               |

TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Frame Installation, Fuselage Center (FS 144 and FS 154) .....    | 73-1   | 73               |
| Support Installation (FS 125 to FS 163) .....                    | 74-1   | 74               |
| Pan, Fuel Cell Restraint (FS 135 to FS 163) .....                | 75-1   | 75               |
| Frame and Intercostal Installation (FS163) .....                 | 76-1   | 76               |
| Frame and Intercostal Installation (FS176) .....                 | 76A-1  | 76A              |
| Frame and Intercostal Installation (FS182 to FS199) .....        | 77-1   | 77               |
| Frame Installation (FS199 to FS 214) .....                       | 78-1   | 78               |
| Support Installation, Ammunition Magazine .....                  | 79-1   | 79               |
| Frame Installation (FS230) .....                                 | 80-1   | 80               |
| Frame and Intercostal Installation (FS 230 to FS 238) .....      | 81-1   | 81               |
| Frame and Intercostal Installation (FS 247 to FS 269) .....      | 82-1   | 82               |
| Longeron Installation .....                                      | 83-1   | 83               |
| Skin and Stringer Installation (LH Side) .....                   | 84-1   | 84               |
| Skin and Stringer Installation (RH Side) .....                   | 85-1   | 85               |
| Dagger Installation, Fuselage Stringer Splice .....              | 86-1   | 86               |
| Walkway Installation (FS 115 to FS 199) (Part 1) .....           | 87-1   | 87               |
| Walkway Installation (LH Side) (FS 115 to FS 163) (Part 2) ..... | 88-1   | 88               |
| Walkway Installation (RH Side) (FS 115 to FS 163) (Part 3) ..... | 89-1   | 89               |
| Walkway Installation (LH Side) (FS 115 to FS 199) (Part 4) ..... | 90-1   | 90               |
| Walkway Installation (RH Side) (FS 115 to FS 199) (Part 5) ..... | 91-1   | 91               |
| Catwalk Installation, Upper Fuselage (FS 229 to FS 257) .....    | 92-1   | 92               |
| Catwalk Installation, Upper Fuselage (FS 257 to FS 280) .....    | 93-1   | 93               |
| Catwalk Installation, Upper Fuselage (FS 280 to FS 310) .....    | 94-1   | 94               |
| Catwalk Installation, Upper Fuselage (FS 310 to FS 340) .....    | 95-1   | 95               |
| Deck Installation Assembly (FS 158 to FS 188) .....              | 96-1   | 96               |
| Deck Installation Assembly (FS 188 to FS 238) .....              | 97-1   | 97               |
| Deck Installation Assembly (FS 238 to FS 258) .....              | 98-1   | 98               |
| Deck Installation Assembly (FS 258 to FS 280) .....              | 99-1   | 99               |
| Splice Installation (FS 436 to FS 476) (Part 1) .....            | 100-1  | 100              |
| Splice Installation (FS 436 to FS 476) (Part 2) .....            | 101-1  | 101              |
| Crew Station Sealing .....                                       | 102-1  | 102              |
| Splice Plate Installation .....                                  | 103-1  | 103              |
| AFT Fuselage Assembly LH .....                                   | 104-1  | 104              |
| Electronic Compartment Installation LH .....                     | 105-1  | 105              |
| Stowage Compartment Installation LH .....                        | 106-1  | 106              |
| Frame Installation Assembly .....                                | 107-1  | 107              |
| Frame Installation Assembly .....                                | 108-1  | 108              |
| Skin and Stringer Installation Assembly LH (Part 1) .....        | 109-1  | 109              |
| Skin and Stringer Installation Assembly RH (Part 2) .....        | 110-1  | 110              |
| Skin and Stringer Installation Assembly LH (Part 3) .....        | 110A-1 | 110A             |
| Skin and Stringer Installation Assembly LH (Part 4) .....        | 110B-1 | 110B             |

## TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Skin and Stringer Installation Assembly LH (Part 5) .....              | 110C-1 | 110C             |
| Support Installation Assembly, Nacelle Carry-Thru (FS 284) .....       | 111-1  | 111              |
| Deck Installation Assembly (Brackets) (FS 280 to FS 300) .....         | 112-1  | 112              |
| Deck Installation Assembly (Brackets) (FS 300 to FS 330) .....         | 113-1  | 113              |
| Deck Installation Assembly (Brackets) (FS 330 to FS 370) .....         | 114-1  | 114              |
| Deck Installation Assembly (Stringers) .....                           | 115-1  | 115              |
| AFT Fuselage Assembly RH .....   | 116-1  | 116              |
| AFT Fuselage Door Assembly RH .....                                    | 117-1  | 117              |
| Support Installation Assembly Electronic Compartment (Part 1) .....    | 118-1  | 118              |
| Support Installation Assembly Electronic Compartment (Part 2) .....    | 119-1  | 119              |
| Support Installation Assembly Electronic Compartment (Part 3) .....    | 120-1  | 120              |
| AFT Fuselage Frame Installation RH (FS 290 to FS 310) .....            | 121-1  | 121              |
| AFT Fuselage Frame Installation RH (FS 310 to FS 370) .....            | 122-1  | 122              |
| Drain Pan Installation, Tail Boom Fluid .....                          | 123-1  | 123              |
| Tailboom Assembly (Part 1) .....                                       | 124-1  | 124              |
| Tailboom Assembly (Part 2) .....                                       | 125-1  | 125              |
| Skin Installation FS 515 .....   | 125A-1 | 125A             |
| Empennage Installation .....   | 126-1  | 126              |
| Spar Box Assembly, Vertical Stabilizer .....                           | 127-1  | 127              |
| Bracket Assembly, Upper Closing Rib, Vertical Stabilizer .....         | 128-1  | 128              |
| Stabilizer, Vertical Tip and Antenna Trailing Edge Assembly .....      | 129-1  | 129              |
| Spar Assembly, Forward Vertical Stabilizer .....                       | 130-1  | 130              |
| Stabilizer, Vertical Lower Leading Edge Fairing Installation .....     | 131-1  | 131              |
| Stabilizer, Vertical Lower Leading Edge Fairing Installation .....     | 131A-1 | 131A             |
| Stabilizer, Vertical Center Leading Edge Fairing Installation .....    | 132-1  | 132              |
| Stabilizer, Vertical Upper Leading Edge Fairing Installation .....     | 133-1  | 133              |
| Stabilator Assembly (Outer) .....                                      | 134-1  | 134              |
| Stabilator Assembly (Spars) .....                                      | 135-1  | 135              |
| Stabilator Assembly (Ribs) .....                                       | 136-1  | 136              |
| Wing Installation .....  | 137-1  | 137              |
| Wing Assembly, Aircraft Rib Installation .....                         | 138-1  | 138              |
| Wing Assembly, Aircraft Skin and Stringer Panel Installation .....     | 139-1  | 139              |
| Wing Assembly, Aircraft Spar Installation .....                        | 140-1  | 140              |
| Wing Assembly, Aircraft Trailing Edge Installation .....               | 141-1  | 141              |
| Fairing Installation, Nose Gearbox .....                               | 142-1  | 142              |
| Fairing Installation, Fuselage .....                                   | 143-1  | 143              |
| Fairing Assembly, Doghouse .....                                       | 144-1  | 144              |
| Fairing Installation Assembly, Main Rotor Shaft .....                  | 145-1  | 145              |
| Fairing Installation Assembly, Main Rotor Shaft .....                  | 145A-1 | 145A             |
| Cover Assembly, Sensor AN/AVR2A .....                                  | 145B-1 | 145B             |
| Fairing Installation Assembly, Main Rotor Shaft (Center Section) ..... | 146-1  | 146              |

TABLE OF CONTENTS - Continued

|   | Page   | Illus/<br>Figure |
|---|--------|------------------|
| Frame Installation Assembly, Upper Fuselage Fairing<br>(FS 219 to FS 231) .....   | 147-1  | 147              |
| Support Installation Assembly, Door Hinges and Upper Fuselage Fairings ..         | 148-1  | 148              |
| Door Installation Assembly, Upper Fuselage Fairing LH<br>(FS 230 to FS 270) ..... | 149-1  | 149              |
| Door Installation Assembly, Upper Fuselage Fairing RH<br>(FS 230 to FS 270) ..... | 150-1  | 150              |
| Fairing Installation Assembly (LH Side) (FS 270 to FS 313) .....                  | 151-1  | 151              |
| Fairing Installation RH (FS 270 to FS 313) .....                                  | 152-1  | 152              |
| Door Installation Assembly, Upper Fuselage Fairing (FS 270 to FS 313) ....        | 153-1  | 153              |
| Fairing Installation Assembly, Hydraulic Access RH (FS 313 to FS 340) ....        | 154-1  | 154              |
| Door Installation Assembly LH (FS 313 to FS 340) .....                            | 155-1  | 155              |
| Fairing Installation (FS 340 to FS 370) .....                                     | 156-1  | 156              |
| Fairing Installation Assembly, Tail Rotor Shaft (FS 370 to FS 450) .....          | 157-1  | 157              |
| Fairing Installation Assembly, Tail Rotor Shaft (FS 450 to FS 503) .....          | 158-1  | 158              |
| Fairing Installation Assembly, Tailboom Closeout .....                            | 159-1  | 159              |
| Fairing, Antenna Installation, ADF Sensor .....                                   | 160-1  | 160              |
| Fairing Installation Assembly, Doppler (FS 330) .....                             | 161-1  | 161              |
| Fairing Installation Assembly, Louver (FS 221 to FS 247) .....                    | 162-1  | 162              |
| Fairing Installation Assembly, FAB Extension .....                                | 163-1  | 163              |
| Fairing Installation Assembly, FAB Extension .....                                | 163A-1 | 163A             |
| Fairing Installation, Ammunition Feed System LH .....                             | 164-1  | 164              |
| Fairing, Fuselage LH (FS 163 to FS 189) .....                                     | 165-1  | 165              |
| Fairing Assembly, Fuselage LH (FS 115 to FS 163) .....                            | 166-1  | 166              |
| Fairing Installation, Ammunition Feed System RH .....                             | 167-1  | 167              |
| Fairing, Ammunition Feed RH (FS 163 to FS 189) .....                              | 168-1  | 168              |
| Fairing, Ammunition Feed RH (FS 115 to FS 163) .....                              | 169-1  | 169              |
| Panel Installation, Transmission Access .....                                     | 170-1  | 170              |
| Support Installation, Transmission Access Panel .....                             | 171-1  | 171              |
| Longeron Installation, Upper Fuselage Fairing .....                               | 172-1  | 172              |
| Engine Nacelle Installation .....   | 173-1  | 173              |
| Door, Access, Work Platform .....   | 174-1  | 174              |
| Nacelle Assembly, LH Doors (Part 1) .....   | 175-1  | 175              |
| Nacelle Assembly, RH Doors (Part 1) .....   | 176-1  | 176              |
| Nacelle Assembly (Part 2) .....   | 177-1  | 177              |
| Nacelle Assembly (Part 3) .....   | 178-1  | 178              |
| Nacelle Assembly (Part 4) .....   | 179-1  | 179              |
| Door Installation, Engine Access and Ventilation .....                            | 180-1  | 180              |
| Firewall Assembly LH (Part 1) .....   | 181-1  | 181              |
| Firewall Assembly LH (Part 2) .....   | 182-1  | 182              |
| Firewall Assembly LH (Part 3) .....   | 183-1  | 183              |
| Firewall Assembly RH (Part 1) .....   | 184-1  | 184              |

## TABLE OF CONTENTS - Continued

|  | Page  | Illus/<br>Figure |
|--|-------|------------------|
| Firewall Assembly RH (Part 2) .....  | 185-1 | 185              |
| Firewall Assembly RH (Part 3) .....  | 186-1 | 186              |
| Skin and Louver Installation, Nacelle .....  | 187-1 | 187              |
| Frame Installation, Canted Nacelle .....   | 188-1 | 188              |
| Air Inlet Assembly .....   | 189-1 | 189              |
| Support Installation, Rotor .....  | 190-1 | 190              |
| Glareshield Installation, Forward LH (Curtain and Extension) .....                               | 191-1 | 191              |
| Glareshield Assembly, Forward Fixed LH .....   | 192-1 | 192              |
| Glareshield Installation, Forward RH (Curtain and Extension) .....                               | 193-1 | 193              |
| Glareshield Assembly, Forward Fixed RH .....   | 194-1 | 194              |
| Glareshield Installation, AFT LH (Curtain and Extension) .....                                   | 195-1 | 195              |
| Glareshield Installation, AFT RH (Curtain and Extension) .....                                   | 196-1 | 196              |
| Glareshield Assembly, AFT Fixed .....  | 197-1 | 197              |
| Glareshield Installation, AFT Vertical .....   | 198-1 | 198              |
| Instrument Panel Installation, Copilot/Gunner .....  | 199-1 | 199              |
| Console Installation, Copilot/Gunner (LH Side) .....   | 200-1 | 200              |
| Console Installation, Copilot/Gunner (RH Side) .....   | 201-1 | 201              |
| Instrument Panel Installation, Pilot (Part 1) .....  | 202-1 | 202              |
| Instrument Panel Installation, Pilot (Part 2) .....  | 203-1 | 203              |
| Console Installation, Pilot (LH Side) .....  | 204-1 | 204              |
| Panel Assembly, AFT Cockpit Stow Box .....   | 205-1 | 205              |
| Console Installation, Pilot (RH Side) .....  | 206-1 | 206              |
| Armored Crew Seat Installation .....   | 207-1 | 207              |
| Seat, Aircraft, Armored .....  | 208-1 | 208              |
| Seat, Aircraft, Armored (Restraint) .....  | 209-1 | 209              |
| Seat, Armored/Cushion (Wing Panels, Cushions and Bucket) (Norton) .....                          | 210-1 | 210              |
| Seat, Armored/Cushion (Wing Panels, Cushions and Bucket) (Ceradyne) ..                           | 211-1 | 211              |
| Bucket Assembly .....  | 212-1 | 212              |
| Frame Assembly (Handle, Track and Attenuator) .....  | 213-1 | 213              |
| Frame Assembly (Crossmembers) .....  | 214-1 | 214              |
| Frame Assembly (Fittings) .....  | 215-1 | 215              |
| Non-Transparent Barrier Assembly .....   | 216-1 | 216              |
| Transparent Barrier Installation .....   | 217-1 | 217              |
| Armor Side and Floor Panels (FS 46 to FS 69) .....   | 218-1 | 218              |
| Armor Side Panels (FS 115 to FS 145) .....   | 219-1 | 219              |
| Scuff Plate Installation, Pilot and Copilot/Gunner .....   | 220-1 | 220              |
| Compartment, Map Stowage (Copilot/Gunner) and Holster Installation,<br>IHADSS Display Unit ..... | 221-1 | 221              |
| Fairing Installation, Sensor Surveying Unit Mount (Copilot/Gunner)                               | 222-1 | 222              |
| Boresight Mount Installation, AFT Cockpit .....  | 223-1 | 223              |
| Thermal Insulation Installation, Cockpit .....   | 224-1 | 224              |

TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Pouch Installation, Mask (Cockpit) .....   | 225-1  | 225              |
| Foot Guard, Seat Installation (Pilot and Copilot/Gunner) and Mirror<br>Installation (Copilot/Gunner) ..... | 226-1  | 226              |
| Plate Installation, Mount Sensor Surveying Unit .....  | 227-1  | 227              |
| Wire Strike Protection Installation, Lower .....   | 228-1  | 228              |
| Wire Strike Protection Installation, Upper .....   | 229-1  | 229              |
| Wire Strike Protection Installation, TADS/PNVS .....   | 230-1  | 230              |
| Cutter Cable, Aircraft, PNVS .....   | 231-1  | 231              |
| Mount, Sensor, Foward (Left Side) AH-64A/AVR-2A .....  | 231A-1 | 231A             |
| Mount, Sensor, Foward (Right Side) AH-64A/AVR-2A .....   | 231B-1 | 231B             |
| Mount, Sensor, AFT (Left Side) AH-64A/AVR-2A .....   | 231C-1 | 231C             |
| Mount, Sensor, AFT (Right Side) AH-64A/AVR-2A .....  | 231D-1 | 231D             |
| Connector, Stowage Installation AH-64A/AVR-2A .....  | 231E-1 | 231E             |
| Vent Installation AH-64A/AVR-2A .....  | 231F-1 | 231F             |
| Doubler Installation, AGES Connector AH-64A/AVR-2A .....   | 231G-1 | 231G             |
| Grommet Installation, Wire Feed Thru AH-64A/AVR-2A .....   | 231H-1 | 231H             |
| Clamping Stations Installation, Tailboom AH-64A/AVR-2A .....   | 231I-1 | 231I             |
| Shelf Installation, AFT Avionics Bay, LH AH-64A/AVR-2A .....   | 231J-1 | 231J             |
| <br>Group 03   |        |                  |
| Landing Gear   |        |                  |
| Landing Gear Installation (Main and Tail) .....  | 232-1  | 232              |
| Main Landing Gear Installation .....   | 233-1  | 233              |
| Wire Strike Protection Installation, Main Landing Gear .....   | 234-1  | 234              |
| Wheel, Landing Gear (Parker-Hannifin) .....  | 235-1  | 235              |
| Wheel, Landing Gear (Goodyear) .....   | 236-1  | 236              |
| Landing Gear Assembly .....  | 237-1  | 237              |
| Tail, Landing Gear Assembly .....  | 238-1  | 238              |
| Wire Strike Protection Installation, Tail Landing Gear .....   | 239-1  | 239              |
| Wheel Assembly, Tail Landing Gear (Parker-Hannifin) .....  | 240-1  | 240              |
| Wheel Assembly, Tail Landing Gear (Goodyear) .....   | 241-1  | 241              |
| Landing Gear, Fixed Tail Landing Gear Subassembly (Fork and Arm) .....                                     | 242-1  | 242              |
| Shock Strut Assembly, Fixed Tail Landing Gear .....  | 243-1  | 243              |
| Landing Gear, Fixed Tail Landing Gear Subassembly<br>(Gear Lock and Actuator) .....                        | 244-1  | 244              |
| Brake System Installation (Master Cylinders) .....   | 245-1  | 245              |
| Brake System Installation (Forward Tubing) (Part 1) .....  | 246-1  | 246              |
| Brake System Installation (Forward Tubing) (Part 2) .....  | 247-1  | 247              |
| Brake System Installation (Upper Tubing) LH .....  | 248-1  | 248              |
| Brake System Installation (Upper Tubing) RH .....  | 249-1  | 249              |
| Brake System Installation (Parking Brake Cable and Valves) .....   | 250-1  | 250              |
| Valve, Rotary, Direct .....  | 251-1  | 251              |
| Brake System Installation (AFT Lower Tubing) (Left Side) .....   | 252-1  | 252              |

## TABLE OF CONTENTS - Continued

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Brake System Installation (AFT Lower Tubing) (Right Side) .....                       | 253-1 | 253              |
| Brake, Single Disk (Goodyear) .....   | 254-1 | 254              |
| Brake, Single Disk (Parker-Hannifin) .....  | 255-1 | 255              |
| Group 04 Power Plants   |       |                  |
| Panel Assembly, Emergency Power Check .....   | 256-1 | 256              |
| Engine Subsystems Installation<br>(Inlet Particle Separator and Primary Nozzle) ..... | 257-1 | 257              |
| Engine Starter Installation .....   | 258-1 | 258              |
| Bleed Air and Anti-Icing System Installation .....                                    | 259-1 | 259              |
| Engine Nacelle Subsystem Installation (Rods and Supports) .....                       | 260-1 | 260              |
| Engine Nacelle Subsystem Installation (Cowl and Actuator Tubing) .....                | 261-1 | 261              |
| Engine Nacelle Subsystem Installation (Radiation Shields) .....                       | 262-1 | 262              |
| Engine Quick Change Drain System .....  | 263-1 | 263              |
| Engine Quick Change Mount Assembly .....  | 264-1 | 264              |
| Engine Firewall Louver Installation .....   | 265-1 | 265              |
| Louver Assembly, Engine Cooling .....   | 266-1 | 266              |
| Nozzle Installation, Secondary Infrared Suppressor .....                              | 267-1 | 267              |
| Nozzle Assembly, Secondary IRS (Outboard and Center) .....                            | 268-1 | 268              |
| Nozzle Assembly, Secondary IRS (Inboard) .....  | 269-1 | 269              |
| Control Unit, Turbine Engine Speed .....  | 270-1 | 270              |
| Engine Control Subsystem Installation (FS 71 to FS 103) .....                         | 271-1 | 271              |
| Engine Control Subsystem Installation (FS 103 to FS 140) .....                        | 272-1 | 272              |
| Quadrant Assembly, Pilot Power (Panel and Levers) .....                               | 273-1 | 273              |
| Quadrant Assembly, Pilot Power (Mechanism and Seals) .....                            | 274-1 | 274              |
| Quadrant Assembly, Pilot Power (Part 1) .....   | 275-1 | 275              |
| Quadrant Assembly, Pilot Power (Part 2) .....   | 276-1 | 276              |
| Quadrant Assembly, Pilot Power (Part 3) .....   | 277-1 | 277              |
| Lever, Remote Control .....   | 278-1 | 278              |
| Quadrant, Control Copilot/Gunner .....  | 279-1 | 279              |
| Engine Control Subsystem Installation (FS 140 to FS 219) .....                        | 280-1 | 280              |
| Engine Control Subsystem Installation (FS 175 to FS 219) .....                        | 281-1 | 281              |
| Engine Controls Installation (LH Nacelle) .....                                       | 282-1 | 282              |
| Engine Buildup Assembly LH .....  | 283-1 | 283              |
| Engine Controls Installation (RH Nacelle) .....                                       | 284-1 | 284              |
| Engine Buildup Assembly RH .....  | 285-1 | 285              |
| Wiring Installation, No. 1 Engine (Part 1) .....                                      | 286-1 | 286              |
| Wiring Installation, No. 1 Engine (Part 2) .....                                      | 287-1 | 287              |
| Wiring Installation, No. 2 Engine (Part 1) .....                                      | 288-1 | 288              |
| Wiring Installation, No. 2 Engine (Part 2) .....                                      | 289-1 | 289              |

TABLE OF CONTENTS - Continued

|  | Page  | Illus/<br>Figure |
|--|-------|------------------|
| Group 05   |       |                  |
| Rotors   |       |                  |
| Main Rotor Head and Blade Installation .....   | 290-1 | 290              |
| Head, Rotary Wing (Dampers) .....  | 291-1 | 291              |
| Head, Rotary Wing (Housing and Links) .....  | 292-1 | 292              |
| Head, Rotary Wing (Strap) .....  | 293-1 | 293              |
| Head, Rotary Wing (Hub) .....  | 294-1 | 294              |
| Blade, Rotary Wing .....   | 295-1 | 295              |
| Tail Rotor Installation (Head Blades) .....  | 296-1 | 296              |
| Blade, Rotary Rudder, Tail Rotor .....   | 297-1 | 297              |
| Group 06   |       |                  |
| Drive Train  |       |                  |
| Drive System Shaft and Coupling Installation (FS 220 to FS 249) .....                        | 298-1 | 298              |
| Drive System Shaft and Coupling Installation (FS 253 to FS 551) .....                        | 299-1 | 299              |
| Drive System Shaft and Coupling Installation (Dampers and Anti-Flail) .....                  | 300-1 | 300              |
| Main Transmission and Lube System Installation<br>(Drive Shaft and Mast) .....               | 301-1 | 301              |
| Main Transmission and Lube System Installation<br>(Hoses and Heat Exchanger) (LH Side) ..... | 302-1 | 302              |
| Main Transmission and Lube System Installation<br>(Hoses and Heat Exchanger) (RH Side) ..... | 303-1 | 303              |
| Mast Assembly, Air Data Sensor .....   | 304-1 | 304              |
| Transmission, Main (Part 1) .....  | 305-1 | 305              |
| Transmission, Main (Part 2) .....  | 306-1 | 306              |
| Transmission, Main (Part 3) .....  | 307-1 | 307              |
| Transmission, Main (Part 4) .....  | 308-1 | 308              |
| Transmission, Main (Part 5) .....  | 309-1 | 309              |
| Rotor, Disc Brake (Parker-Hannifin) .....  | 310-1 | 310              |
| Rotor, Disc Brake (Goodyear) .....   | 311-1 | 311              |
| Main Transmission Seal Drain Tube Installation .....   | 312-1 | 312              |
| Engine Nose Gearbox Installation .....   | 313-1 | 313              |
| Gearbox, Engine Nose .....   | 314-1 | 314              |
| Bowl Assembly, Lube Pump .....   | 315-1 | 315              |
| Intermediate Gearbox Installation .....  | 316-1 | 316              |
| Brace Installation, Tail Rotor Gearbox .....   | 317-1 | 317              |
| Tail Rotor Gearbox Installation .....  | 318-1 | 318              |
| Group 07   |       |                  |
| Hydraulic/Pneumatic Systems  |       |                  |
| Hydraulic System Installation (FS 165 to FS 199) (LH Side) .....                             | 319-1 | 319              |
| Manifold, Hydraulic (Part 1) .....   | 320-1 | 320              |
| Manifold, Hydraulic (Part 2) .....   | 321-1 | 321              |
| Manifold Assembly, Reservoir .....   | 322-1 | 322              |
| Hydraulic System Installation (FS 165 to FS 230) (RH Side) .....                             | 323-1 | 323              |



## TABLE OF CONTENTS - Continued

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Utility Pump and Tube Assembly .....  | 324-1 | 324              |
| Main Rotor Servocylinder, Grounding Cable and Mounting Hardware .....                           | 325-1 | 325              |
| Servocylinder Assembly, Main Rotor, Collective and Lateral<br>(Valves and Filters) .....        | 326-1 | 326              |
| Servocylinder Assembly, Main Rotor, Longitudinal (Valves and Filters) .....                     | 327-1 | 327              |
| Control Pressure Tube Assembly (FS 165 to FS 230) .....   | 328-1 | 328              |
| Control Return Tube Assembly (FS 165 to FS 230) .....   | 329-1 | 329              |
| Hydraulic System Installation (FS 199 to FS 230) (LH Side) .....                                | 330-1 | 330              |
| Hydraulic System Installation below WL 145, Forward of FS 230 (LH Side) .                       | 331-1 | 331              |
| Hydraulic System Installation (FS 230 to FS 370) (LH Side) .....                                | 332-1 | 332              |
| Hydraulic System Installation (FS 230 to FS 255) (RH Side) .....                                | 333-1 | 333              |
| Hydraulic System Installation (FS 255 to FS 290) (RH Side) .....                                | 334-1 | 334              |
| Accumulator, Hydraulic .....  | 335-1 | 335              |
| Tube Assembly, Metal .....  | 336-1 | 336              |
| Hydraulic System Installation (FS 290 to FS 310) (RH Side) .....                                | 337-1 | 337              |
| Hydraulic System Installation (FS 310 to FS 340) (RH Side) .....                                | 338-1 | 338              |
| Manifold, Hydraulic (Part 1) .....  | 339-1 | 339              |
| Manifold, Hydraulic (Part 2) .....  | 340-1 | 340              |
| Manifold, Hydraulic (Part 3) .....  | 341-1 | 341              |
| Manifold Assembly, Utility .....  | 342-1 | 342              |
| Primary Ground Service Panel Assembly .....   | 343-1 | 343              |
| Pump, Hydraulic RAM .....   | 344-1 | 344              |
| Utility Ground Service Panel Assembly .....   | 345-1 | 345              |
| Primary Pressure Tube Assembly .....  | 346-1 | 346              |
| Return Tube Assembly .....  | 347-1 | 347              |
| Hydraulic System Installation, AFT Tailboom (LH Side) .....                                     | 348-1 | 348              |
| Hydraulic System Installation, AFT Tailboom (RH Side) .....                                     | 349-1 | 349              |
| Utility Pressure and Return Tube Assembly .....   | 350-1 | 350              |
| Utility Auxiliary Pressure and Return Tube Assembly (Part 1) .....                              | 351-1 | 351              |
| Utility Auxiliary Pressure and Return Tube Assembly (Part 2) .....                              | 352-1 | 352              |
| Accumulator, Hydraulic Utility System .....   | 353-1 | 353              |
| Hydraulic System Installation (Wing) .....  | 354-1 | 354              |
| Hydraulic System Installation (Vertical Stabilizer) .....                                       | 355-1 | 355              |
| Servocylinder, Tail Rotor (Valves and Filters) .....  | 356-1 | 356              |
| Hydraulic Line and Tailboom Armor Installation .....  | 357-1 | 357              |
| Pressurized Air System Installation (FS 176 to FS 250) (Lower) .....                            | 358-1 | 358              |
| Pressurized Air System Installation (FS 250 to FS 330) (Lower) .....                            | 359-1 | 359              |
| Pressurized Air System Installation (FS 176 to FS 330)<br>(Hydraulic Manifolds Precharge) ..... | 360-1 | 360              |
| Pressurized Air System Installation (FS 223) (Part 1) .....                                     | 361-1 | 361              |
| Pressurized Air System Installation (FS 223) (Part 2) .....                                     | 362-1 | 362              |

TABLE OF CONTENTS - Continued

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Pressurized Air System Installation (FS 220 to FS 250) (Part 3) .....                             | 363-1 | 363              |
| Rotor, Compressor, Gas .....  | 364-1 | 364              |
| Particle Separator Assembly .....   | 365-1 | 365              |
| Pressurized Air System Installation (FS 174 to FS 250) (Upper) .....                              | 366-1 | 366              |
| Pressurized Air System Installation (FS 247) .....  | 367-1 | 367              |
| Pressurized Air System Installation (FS 250 to FS 280) (Part 4) .....                             | 368-1 | 368              |
| Pressurized Air System, Nacelle .....   | 369-1 | 369              |
| <br>Group 08 Instrument System  |       |                  |
| Pilot and Copilot/Gunner Instrument Panel (Engine Instruments) .....                              | 370-1 | 370              |
| Access, Indicator, Engine Torque .....  | 371-1 | 371              |
| Access, Indicator, Engine Rotor RPM .....   | 372-1 | 372              |
| Access, Indicator, Turbine Gas Temperature .....  | 373-1 | 373              |
| Access, Indicator, Gas Generator, RPM .....   | 374-1 | 374              |
| Access, Indicator, Engine Oil Pressure .....  | 375-1 | 375              |
| Access, Digital Display Panel, Selectable Parameter, Copilot/Gunner .....                         | 376-1 | 376              |
| Access, Indicator, Engine Fuel Quantity .....   | 377-1 | 377              |
| Dim and Test Unit .....   | 378-1 | 378              |
| Control Box, Electronic, Windshield Anti-Ice .....  | 379-1 | 379              |
| Signal Conditioner, Power Supply Dimmer, Engine Out Warning Alarm,<br>Signal Data Converter ..... | 380-1 | 380              |
| Tray Assembly, Instrument .....   | 381-1 | 381              |
| Access, Signal Data Converter .....   | 382-1 | 382              |
| Chassis, Electrical .....   | 383-1 | 383              |
| Electronic Component Assembly .....   | 384-1 | 384              |
| Plate, Rear Assembly .....  | 385-1 | 385              |
| Pilot and Copilot/Gunner Instrument Panel (Flight Instruments) .....                              | 386-1 | 386              |
| Pitot Static System Installation (FS 115 to FS 230) LH .....                                      | 387-1 | 387              |
| Pitot Static System Installation, Pilot RH .....  | 388-1 | 388              |
| Pitot Static System Installation, Copilot/Gunner RH .....   | 389-1 | 389              |
| Pitot Static System Installation (FS 125 to FS 295) RH .....                                      | 390-1 | 390              |
| Pitot Static System Installation (Wing) .....   | 391-1 | 391              |
| Pilot and Copilot/Gunner Instrument Panel (Miscellaneous Instruments) ....                        | 392-1 | 392              |
| <br>Group 09 Electrical System  |       |                  |
| Wiring Installation, Main Rotor (De-Ice and Air Data Sensor) and Wiring<br>Harness, W109 .....    | 393-1 | 393              |
| Distribution Box Installation, Electrical Power .....   | 394-1 | 394              |
| Box Assembly, Distribution, Electrical Power (Upper) .....  | 395-1 | 395              |
| Box Assembly, Distribution, Electrical Power (Lower) .....  | 396-1 | 396              |
| Box Assembly, Distribution, Electrical Power (Structure) .....                                    | 397-1 | 397              |
| Box Assembly, Distribution, Electrical Power (Wire Harness) .....                                 | 398-1 | 398              |

## TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Control, Generator .....   | 399-1  | 399              |
| Wiring Harness, W668 (Part 1) .....  | 400-1  | 400              |
| Wiring Harness, W668 (Part 2) .....  | 401-1  | 401              |
| Wiring Harness, W668 (Part 3) .....  | 402-1  | 402              |
| Wiring Harness, W668 (Part 4) .....  | 403-1  | 403              |
| Panel Installation, Circuit Breaker (Pilot) .....  | 404-1  | 404              |
| Circuit Breaker Installation .....   | 404A-1 | 404A             |
| Box Assembly, Circuit Breaker (Pilot) .....  | 405-1  | 405              |
| Wiring Harness, W605 (Part 1) .....  | 406-1  | 406              |
| Wiring Harness, W605 (Part 2) .....  | 407-1  | 407              |
| Relay Box Installation, Engine 1 and 2 Start .....   | 408-1  | 408              |
| Relay Box Assembly, Engine 1 and 2 Start (A330) .....  | 409-1  | 409              |
| Wiring Harness, W652 .....   | 410-1  | 410              |
| Transducer, Stabilator Airspeed .....  | 411-1  | 411              |
| Switch, Squat .....  | 412-1  | 412              |
| Generators and Electrical Component Installation (WL 145) .....                                    | 413-1  | 413              |
| Panel Assembly, Electrical Power (Pilot) .....   | 414-1  | 414              |
| Electrical Component Installation (AFT Avionics Bay) .....   | 415-1  | 415              |
| Connector, External Power Receptacle (J14) .....   | 416-1  | 416              |
| Switch, External Power Access Door and Open Canopy Indicator .....                                 | 417-1  | 417              |
| Battery and Battery Charger .....  | 418-1  | 418              |
| Panel Assembly, Circuit Breaker No. 2 (Copilot/Gunner) .....                                       | 419-1  | 419              |
| Panel Assembly, Circuit Breaker No. 1 (Copilot/Gunner) .....                                       | 420-1  | 420              |
| Wiring Harness, W621 .....   | 421-1  | 421              |
| Panel Assembly, Interior/Exterior Lights (Pilot) .....   | 422-1  | 422              |
| Dimming Multi-Channel Controller Assembly (Data Products) .....                                    | 423-1  | 423              |
| Chassis Assembly, Dimming Controller (Data Products) .....   | 424-1  | 424              |
| Utility and Glareshield Light Assembly (Copilot/Gunner) .....                                      | 425-1  | 425              |
| Utility and Glareshield Light Assembly (Pilot) .....   | 426-1  | 426              |
| Panel Assembly, Interior Lights (Copilot/Gunner) .....   | 427-1  | 427              |
| Light Assembly, Utility Alligator Clamp Maintenance and Cable Assembly,<br>Maintenance Light ..... | 428-1  | 428              |
| Exterior Light Installation, Wing .....  | 429-1  | 429              |
| Light Subassembly, Anti-Collision .....  | 430-1  | 430              |
| Exterior Light Installation, AFT Fuselage .....  | 431-1  | 431              |
| Electrical Component Installation, RH Forward Avionics Bay .....                                   | 432-1  | 432              |
| Wiring Installation, Nose (FS 35 to FS 57) LH .....  | 433-1  | 433              |
| Wiring Installation, Nose (FS 35 to FS 57) RH .....  | 434-1  | 434              |
| Wiring Harness, W255 (Part 1) .....  | 435-1  | 435              |
| Wiring Harness, W255 (Part 2) .....  | 436-1  | 436              |
| Wiring Harness, W255 (Part 3) .....  | 437-1  | 437              |

TABLE OF CONTENTS - Continued

|  | Page  | Illus/<br>Figure |
|--|-------|------------------|
| Wiring Harness, W261 (Part 1) .....                                    | 438-1 | 438              |
| Wiring Harness, W261 (Part 2) .....                                    | 439-1 | 439              |
| Wiring Harness .....   | 440-1 | 440              |
| Wiring Installation, Copilot/Gunner Console LH .....                   | 441-1 | 441              |
| Wiring Harness, W195, W197 and W219 .....                              | 442-1 | 442              |
| Wiring Harness, W145 .....   | 443-1 | 443              |
| Wiring Installation, Copilot/Gunner Console (FS 57 to FS 98) RH .....  | 444-1 | 444              |
| Wiring Harness, W210 .....   | 445-1 | 445              |
| Wiring Harness, W262 .....   | 446-1 | 446              |
| Wiring Harness, W266 (Part 1) .....                                    | 447-1 | 447              |
| Wiring Harness, W266 (Part 2) .....                                    | 448-1 | 448              |
| Wiring Harness, W266 (Part 3) .....                                    | 449-1 | 449              |
| Wiring Installation, below Copilot/Gunner Floor (FS 35 to FS 91) ..... | 450-1 | 450              |
| Wiring Installation, Pilot Instrument Panel (Part 1) .....             | 451-1 | 451              |
| Wiring Installation, Pilot Instrument Panel (Part 2) .....             | 452-1 | 452              |
| Wiring Harness, W645 .....   | 453-1 | 453              |
| Wiring Harness, W647 .....   | 454-1 | 454              |
| Matrix Assembly, Pilot Instrument Panel (A326) .....                   | 455-1 | 455              |
| Wiring Harness, W646 .....   | 456-1 | 456              |
| Support, Distributor .....   | 457-1 | 457              |
| Wiring Installation, Pilot Console LH (Part 1) .....                   | 458-1 | 458              |
| Wiring Installation, Pilot Console LH (Part 2) .....                   | 459-1 | 459              |
| Wiring Installation, Pilot Console LH (Part 3) .....                   | 460-1 | 460              |
| Wiring Harness, W117 (Part 1) .....                                    | 461-1 | 461              |
| Wiring Harness, W117 (Part 2) .....                                    | 462-1 | 462              |
| Wiring Harness, W117 (Part 3) .....                                    | 463-1 | 463              |
| Wiring Harness, W119 (Part 1) .....                                    | 464-1 | 464              |
| Wiring Harness, W119 (Part 2) .....                                    | 465-1 | 465              |
| Wiring Harness, W119 (Part 3) .....                                    | 466-1 | 466              |
| Wiring Harness, W119 (Part 4) .....                                    | 467-1 | 467              |
| Wiring Harness, W220 .....   | 468-1 | 468              |
| Wiring Installation, Pilot Console RH (Part 1) .....                   | 469-1 | 469              |
| Wiring Installation, Pilot Console RH (Part 2) .....                   | 470-1 | 470              |
| Wiring Harness, W187 and W188 .....                                    | 471-1 | 471              |
| Wiring Harness, W190 .....   | 472-1 | 472              |
| Wiring Harness, W207 and W212 .....                                    | 473-1 | 473              |
| Wiring Harness, W224 .....   | 474-1 | 474              |
| Wiring Harness, W116 (Part 1) .....                                    | 475-1 | 475              |
| Wiring Harness, W116 (Part 2) .....                                    | 476-1 | 476              |
| Wiring Harness, W116 (Part 3) .....                                    | 477-1 | 477              |
| Wiring Harness, W118 (Part 1) .....                                    | 478-1 | 478              |

## TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Wiring Harness, W118 (Part 2) .....                                      | 479-1  | 479              |
| Wiring Harness, W118 (Part 3) .....                                      | 480-1  | 480              |
| Wiring Harness, W118 (Part 4) .....                                      | 481-1  | 481              |
| Wiring Harness, W201 .....   | 482-1  | 482              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 1) ..... | 483-1  | 483              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 2) ..... | 484-1  | 484              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 3) ..... | 485-1  | 485              |
| Wiring Installation, Forward Fuel Tank .....                             | 486-1  | 486              |
| Wiring Installation, Forward Avionics Bay LH .....                       | 487-1  | 487              |
| Wiring Installation, Forward Avionics Bay RH (Part 1) .....              | 488-1  | 488              |
| Wiring Installation, Forward Avionics Bay RH (Part 2) .....              | 488A-1 | 488A             |
| Wiring Installation, Main Transmission .....                             | 489-1  | 489              |
| Wiring Harness, Oil Pressure Transducer W159 and W167 .....              | 490-1  | 490              |
| Wiring Installation, Ammo Bay (Part 1) .....                             | 491-1  | 491              |
| Wiring Installation, Ammo Bay (Part 2) .....                             | 492-1  | 492              |
| Wiring Harness, W268 .....   | 493-1  | 493              |
| Wiring Installation, Wings (Part 1) .....                                | 494-1  | 494              |
| Wiring Installation, Wings (Part 2) .....                                | 495-1  | 495              |
| Wiring Harness, W155 .....   | 496-1  | 496              |
| Wiring Harness, W157 .....   | 497-1  | 497              |
| Wiring Harness, W156 .....   | 498-1  | 498              |
| Wiring Harness, W158 .....   | 499-1  | 499              |
| Wiring Installation, Pylon .....   | 500-1  | 500              |
| Wiring Harness, W601 .....   | 501-1  | 501              |
| Wiring Installation, AFT Deck LH (Part 1) .....                          | 502-1  | 502              |
| Wiring Installation, AFT Deck LH (Part 2) .....                          | 503-1  | 503              |
| Wiring Installation, AFT Deck LH (Part 3) .....                          | 504-1  | 504              |
| Wiring Installation, AFT Deck LH (Part 4) .....                          | 505-1  | 505              |
| Wiring Installation, AFT Deck LH (Part 5) .....                          | 506-1  | 506              |
| Wiring Installation, AFT Deck LH (Part 6) .....                          | 507-1  | 507              |
| Wiring Installation, AFT Deck LH (Part 7) .....                          | 508-1  | 508              |
| Wiring Harness, W211 (Part 1) .....                                      | 509-1  | 509              |
| Wiring Harness, W211 (Part 2) .....                                      | 510-1  | 510              |
| Wiring Harness, W211 (Part 3) .....                                      | 511-1  | 511              |
| Relay Box Installation, Stabilator .....                                 | 512-1  | 512              |
| Wiring Harness, W191 .....   | 513-1  | 513              |
| Wiring Installation, AFT Deck RH (Part 1) .....                          | 514-1  | 514              |
| Wiring Installation, AFT Deck RH (Part 2) .....                          | 515-1  | 515              |
| Wiring Installation, AFT Deck RH (Part 3) .....                          | 516-1  | 516              |
| Wiring Harness, W102 (Part 1) .....                                      | 517-1  | 517              |
| Wiring Harness, W102 (Part 2) .....                                      | 518-1  | 518              |

TABLE OF CONTENTS - Continued

|   | Page   | Illus/<br>Figure |
|---|--------|------------------|
| Wiring Harness, AM/FM Tail Antenna, W209 .....                          | 519-1  | 519              |
| Wiring Harness, W216, W218, W232 .....                                  | 520-1  | 520              |
| Wiring Harness, W264 .....  | 521-1  | 521              |
| Wiring Installation, AFT Fuel Tank .....                                | 522-1  | 522              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 1) ..... | 523-1  | 523              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 2) ..... | 524-1  | 524              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 3) ..... | 525-1  | 525              |
| Wiring Installation, AFT Avionics Bay (FS 290 to FS 310) (Part 4) ..... | 526-1  | 526              |
| Filter, Radio Frequency .....   | 527-1  | 527              |
| Wiring Harness, W108 (Part 1) .....                                     | 528-1  | 528              |
| Wiring Harness, W108 (Part 2) .....                                     | 529-1  | 529              |
| Distributor Box Assembly, AFT Avionics Bay .....                        | 530-1  | 530              |
| Wiring Installation, Tailboom (Part 1) .....                            | 531-1  | 531              |
| Wiring Installation, Tailboom (Part 2) .....                            | 532-1  | 532              |
| Wiring Installation, Tailboom (Part 3) .....                            | 533-1  | 533              |
| Wiring Installation, Tailboom (Part 4) .....                            | 534-1  | 534              |
| Wiring Installation, Tailboom (Part 5) .....                            | 535-1  | 535              |
| Wiring Harness, W170 .....  | 536-1  | 536              |
| Wiring Harness, ADF Loop Antenna W182, W183 and W184 .....              | 537-1  | 537              |
| Wiring Harness, W189 .....  | 538-1  | 538              |
| Wiring Harness, W202 and W203 .....                                     | 539-1  | 539              |
| Wiring Harness, W143 .....  | 540-1  | 540              |
| Wiring Harness, W213 .....  | 541-1  | 541              |
| Wiring Installation, Vertical Stabilator .....                          | 542-1  | 542              |
| Wiring Harness, W171 .....  | 543-1  | 543              |
| Wiring Harness, W115 .....  | 544-1  | 544              |
| Wiring Harness, W154 .....  | 545-1  | 545              |
| Wiring Installation, Tail Rotor (De-Ice) .....                          | 546-1  | 546              |
| Caution and Warning Components .....                                    | 547-1  | 547              |
| Panel, Fault-Function, Pilot (A106) (Housing) .....                     | 548-1  | 548              |
| Panel, Fault-Function, Pilot (A106) (Indicator Lights) .....            | 549-1  | 549              |
| Panel, Fault-Function, Copilot/Gunner (A157) (Housing) .....            | 550-1  | 550              |
| Panel, Fault-Function, Copilot/Gunner (A157) (Indicator Lights) .....   | 551-1  | 551              |
| Panel, Fault-Function, Pilot (DS28) Copilot/Gunner (DS31) .....         | 552-1  | 552              |
| Accelerometers .....  | 553-1  | 553              |
| Alarm Unit, Control .....   | 554-1  | 554              |
| Wiring Harness W226 KYK-13 Interface .....                              | 554A-1 | 554A             |
| Wiring Harness, EGI Attenuator W234 .....                               | 554B-1 | 554B             |
| Wiring Harness, Antenna Attenuator W227 .....                           | 554C-1 | 554C             |
| Cable Routing (Part 1) AH-64A/AVR-2A .....                              | 554D-1 | 554D             |
| Cable Routing (Part 2) AH-64A/AVR-2A .....                              | 554E-1 | 554E             |

## TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Cable Routing (Part 3) AH-64A/AVR-2A .....                         | 554F-1 | 554F             |
| Cable Routing (Part 4) AH-64A/AVR-2A .....                         | 554G-1 | 554G             |
| Wiring Harness, APR-39 Tie W670 AH-64A/AVR-2A .....                | 554H-1 | 554H             |
| Wiring Harness, Left Sensor W671 AH-64A/AVR-2A .....               | 554I-1 | 554I             |
| Wiring Harness, Right Sensor W672 AH-64A/AVR-2A .....              | 554J-1 | 554J             |
| Wiring Harness, AVR-2 Power W673 AH-64A/AVR-2A .....               | 554K-1 | 554K             |
| Wiring Harness, Blkg/AGES W674 AH-64A/AVR-2A .....                 | 554L-1 | 554L             |
| Group 10 Fuel System   |        |                  |
| Fuel Cell Installation (Forward) .....                             | 555-1  | 555              |
| Tank, Fuel, Aircraft (Amfuel) (FWD) .....                          | 556-1  | 556              |
| Tank, Fuel, Aircraft (Goodyear) (FWD) .....                        | 557-1  | 557              |
| Fuel Cell Installation (AFT) .....                                 | 558-1  | 558              |
| Tank, Fuel, Aircraft (Amfuel) (AFT) .....                          | 559-1  | 559              |
| Tank, Fuel, Aircraft (Goodyear) (AFT) .....                        | 560-1  | 560              |
| Panel Assembly, Fuel (Pilot) .....                                 | 561-1  | 561              |
| Panel Assembly, Fuel (Copilot/Gunner) .....                        | 562-1  | 562              |
| Refueling and Transfer Fuel System (Panel Assembly) .....          | 563-1  | 563              |
| Refueling and Transfer Fuel System (FS 135 to FS 168) .....        | 564-1  | 564              |
| Refueling and Transfer Fuel System (FS 176 to FS 230) .....        | 565-1  | 565              |
| Refueling and Transfer Fuel System (Air Valve and Fuel Pump) ..... | 566-1  | 566              |
| Refueling and Transfer Fuel System (FS 230 to FS 280) .....        | 567-1  | 567              |
| Manifold, Fuel Service .....                                       | 568-1  | 568              |
| Valve, Fuel-Defuel .....   | 569-1  | 569              |
| Fuel Vent System (Forward Cell) .....                              | 570-1  | 570              |
| Fuel Vent System (AFT Cell) .....                                  | 571-1  | 571              |
| Engine Fuel Supply Installation (FS 172 to FS 222) .....           | 572-1  | 572              |
| Engine Fuel Supply Installation (FS 222 to FS 225) .....           | 573-1  | 573              |
| Engine Fuel Supply Installation (FS 230) RH .....                  | 574-1  | 574              |
| Engine Fuel Supply Installation (FS 230 to FS 280) .....           | 575-1  | 575              |
| Fuel Subsystem Installation (Forward Fuel Cell) .....              | 576-1  | 576              |
| Fuel Subsystem Installation (AFT Fuel Cell) .....                  | 577-1  | 577              |
| Rigid Foam Armor, Fuel Cell (FWD and AFT) .....                    | 578-1  | 578              |
| Panel Assembly, N2 Inerting .....                                  | 579-1  | 579              |
| Nitrogen Inerting Unit System Installation (Part 1) .....          | 580-1  | 580              |
| Nitrogen Inerting Unit System Installation (Part 2) .....          | 581-1  | 581              |
| Nitrogen Inerting Unit System Installation (Part 3) .....          | 582-1  | 582              |
| Kit, Auxiliary Wing Tanks (2 Tanks) (Part 1) .....                 | 583-1  | 583              |
| Kit, Auxiliary Wing Tanks (2 Tanks) (Part 2) .....                 | 584-1  | 584              |
| Kit, Auxiliary Wing Tanks (4 Tanks) (Part 1) .....                 | 585-1  | 585              |
| Kit, Auxiliary Wing Tanks (4 Tanks) (Part 2) .....                 | 586-1  | 586              |

TABLE OF CONTENTS - Continued

|  | Page  | Illus/<br>Figure |
|--|-------|------------------|
| Group 11 Flight Control System   |       |                  |
| Rotor Controls, Upper Main (Pitch Links and Scissors) .....                      | 587-1 | 587              |
| Rotor Controls, Upper Main (Torque and Lateral Links) .....                      | 588-1 | 588              |
| Rotor Controls, Upper Main (Forward Longitudinals) .....                         | 589-1 | 589              |
| Rotor Controls, Upper Main (AFT Longitudinals) .....                             | 590-1 | 590              |
| Rotor Controls, Upper Main (Collective and Laterals) .....                       | 591-1 | 591              |
| Stick Installation, Collective (Pilot and Copilot/Gunner) .....                  | 592-1 | 592              |
| Control Stick, Aircraft (Pilot and Copilot/Gunner) .....                         | 593-1 | 593              |
| Grip Assembly, Control, Collective Stick (Pilot and Copilot/Gunner) .....        | 594-1 | 594              |
| Switch Assembly .....  | 595-1 | 595              |
| Stick Installation, Pilot Collective (Support) .....                             | 596-1 | 596              |
| Support Assembly, Collective Stick (Pilot) .....                                 | 597-1 | 597              |
| Stick Installation, Copilot/Gunner Collective (Support) .....                    | 598-1 | 598              |
| Support Assembly, Collective Stick (Copilot/Gunner) .....                        | 599-1 | 599              |
| Protective Cover Installation, Collective Stick .....                            | 600-1 | 600              |
| Stick Installation, Pilot Cyclic .....   | 601-1 | 601              |
| Control Stick, Aircraft .....  | 602-1 | 602              |
| Housing Assembly, Cyclic Stick (Pilot) .....                                     | 603-1 | 603              |
| Stick Installation, Copilot/Gunner Cyclic .....                                  | 604-1 | 604              |
| Control Stick, Aircraft (Part 1) .....   | 605-1 | 605              |
| Control Stick, Aircraft (Part 2) .....   | 606-1 | 606              |
| Housing Assembly, Cyclic, Copilot/Gunner (Part 1) .....                          | 607-1 | 607              |
| Housing Assembly, Cyclic, Copilot/Gunner (Part 2) .....                          | 608-1 | 608              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 1) ... | 609-1 | 609              |
| SPAD Assembly, Directional (Copilot/Gunner) .....                                | 610-1 | 610              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 2) ... | 611-1 | 611              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 3) ... | 612-1 | 612              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Collective) .....         | 613-1 | 613              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 1) .. | 614-1 | 614              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 2) .. | 615-1 | 615              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 1) .....   | 616-1 | 616              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 2) .....   | 617-1 | 617              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 3) .....   | 618-1 | 618              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 1) .....    | 619-1 | 619              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 2) .....    | 620-1 | 620              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 3) .....    | 621-1 | 621              |
| SPAD Assembly, Control, Pilot (Directional) .....                                | 622-1 | 622              |
| Bellcrank Assembly .....   | 623-1 | 623              |
| Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 1) .....     | 624-1 | 624              |
| Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 2) .....     | 625-1 | 625              |
| Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 1) .....   | 626-1 | 626              |



TABLE OF CONTENTS - Continued

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 2) . . . . .                              | 627-1 | 627              |
| SPAD Assembly, Control Pilot (Longitudinal) . . . . .   | 628-1 | 628              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 1) . . . . .                                   | 629-1 | 629              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 2) . . . . .                                   | 630-1 | 630              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 3) . . . . .                                   | 631-1 | 631              |
| Feel Spring Cartridge and Magnetic Brake Installation (Directional) . . . . .                                   | 632-1 | 632              |
| Feel Spring Cartridge and Magnetic Brake Installation (Longitudinal) . . . . .                                  | 633-1 | 633              |
| Mechanism Assembly, Trim Feel Spring Cartridge (Longitudinal) . . . . .   | 634-1 | 634              |
| Feel Spring Cartridge and Magnetic Brake Installation (Lateral) . . . . .                                       | 635-1 | 635              |
| Brake Assembly, Magnetic . . . . .  | 636-1 | 636              |
| Panel Assembly, Automatic Stabilization Equipment . . . . .   | 637-1 | 637              |
| Computer, Dase . . . . .  | 638-1 | 638              |
| Actuator Assembly, Stabilator . . . . .   | 639-1 | 639              |
| Controller, Stabilator . . . . .  | 640-1 | 640              |
| Chassis, Electrical . . . . .   | 641-1 | 641              |
| Transducer, Stabilator Position . . . . .   | 642-1 | 642              |
| Pedal Installation, Pilot Station (Part 1) . . . . .  | 643-1 | 643              |
| Pedal Installation, Pilot Station (Part 2) . . . . .  | 644-1 | 644              |
| Pedal Installation, Pilot Station (Part 3) . . . . .  | 645-1 | 645              |
| Crank Assembly, Pedal Adjusting (Pilot) . . . . .   | 646-1 | 646              |
| Pedal Installation, Copilot/Gunner Station (Part 1) . . . . .   | 647-1 | 647              |
| Pedal Installation, Copilot/Gunner Station (Part 2) . . . . .   | 648-1 | 648              |
| Pedal Installation, Copilot/Gunner Station (Part 3) . . . . .   | 649-1 | 649              |
| Cover Installation, Protective (Pilot and Copilot/Gunner) . . . . .   | 650-1 | 650              |
| Linkage Installation, Tail Rotor Mid Fuselage (FS 164 to FS 216) . . . . .                                      | 651-1 | 651              |
| Linkage Installation, Tail Rotor AFT Fuselage (FS 275 to FS 477) . . . . .                                      | 652-1 | 652              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 1) . . . . .                                       | 653-1 | 653              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 2) . . . . .                                       | 654-1 | 654              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 3) . . . . .                                       | 655-1 | 655              |
| Pitch Control Installation, Tail Rotor (Part 1) . . . . .   | 656-1 | 656              |
| Pitch Control Installation, Tail Rotor (Part 2) . . . . .   | 657-1 | 657              |
| Swashplate, Controller . . . . .  | 658-1 | 658              |
| Group 12 Utility Systems  |       |                  |
| Panel Assembly, Power Distribution, Pilot . . . . .   | 659-1 | 659              |
| Panel Assembly, Copilot/Gunner . . . . .  | 660-1 | 660              |
| Sensing Head Installation, Ice Detector; Controller, De-Icing; Relay Box<br>Assembly, Engine Anti-Ice . . . . . | 661-1 | 661              |
| Relay Assembly, Engine Anti-Ice . . . . .   | 662-1 | 662              |
| Signal Processor Unit Assembly, Ice Detector . . . . .  | 663-1 | 663              |
| Windshield Wiper Installation . . . . .   | 664-1 | 664              |
| Panel Assembly, Cockpit . . . . .   | 665-1 | 665              |

TABLE OF CONTENTS - Continued

|   | Page  | Illus/<br>Figure |
|---|-------|------------------|
| Fire Extinguishing System Installation (Cockpit Panels) .....               | 666-1 | 666              |
| Fire Extinguishing System Installation (Miscellaneous) .....                | 667-1 | 667              |
| Fire Extinguishing System Installation (Tubing) .....                       | 668-1 | 668              |
| Fire Extinguishing System Installation (Detectors and Amplifiers) .....     | 669-1 | 669              |
| Fire Extinguisher, Aircraft .....   | 670-1 | 670              |
| Wiring Installation, LH Nacelle Fire Sensors .....                          | 671-1 | 671              |
| Wiring Installation, RH Nacelle Fire Sensors .....                          | 672-1 | 672              |
| Fire/Overheat Detector and Frame Installation, Engine Firewall Louver ..... | 673-1 | 673              |
| Group 13 Environmental Control System                                       |       |                  |
| Panel Assembly, Power Distribution, Pilot .....                             | 674-1 | 674              |
| Environmental Control Unit Installation .....                               | 675-1 | 675              |
| Regulator, Air Pressure .....   | 676-1 | 676              |
| Cooling System Installation .....   | 677-1 | 677              |
| Fan Installation .....  | 678-1 | 678              |
| Thermal Switch Assembly LH and RH .....                                     | 679-1 | 679              |
| Environmental Control Defogging System LH .....                             | 680-1 | 680              |
| Environmental Control Defogging System RH .....                             | 681-1 | 681              |
| Fuselage Environmental Control System (FS 154 to FS 180) .....              | 682-1 | 682              |
| Fuselage Environmental Control System (FS 180 to FS 296) .....              | 683-1 | 683              |
| Crew Environmental Control System (FS 57 to FS 125) LH .....                | 684-1 | 684              |
| Crew Environmental Control System (FS 125 to FS 155) LH .....               | 685-1 | 685              |
| Crew Environmental Control System RH .....                                  | 686-1 | 686              |
| Group 15 Auxiliary Power Plant  |       |                  |
| Auxiliary Power Unit Installation .....                                     | 687-1 | 687              |
| Engine, Gas Turbine (Front) .....   | 688-1 | 688              |
| Engine, Gas Turbine (Rear) .....  | 689-1 | 689              |
| Engine, Gas Turbine (Wiring Harness) .....                                  | 690-1 | 690              |
| Auxiliary Power Unit Mount and Drain Installation .....                     | 691-1 | 691              |
| Auxiliary Power System (Exhaust and Enclosure) .....                        | 692-1 | 692              |
| Enclosure Installation, APU (Upper and Lower Cover) .....                   | 693-1 | 693              |
| Enclosure Installation, APU (Front and Top Cover) .....                     | 694-1 | 694              |
| Group 16 Mission Equipment  |       |                  |
| Switch, Toggle, Pylon Ground Maintenance .....                              | 695-1 | 695              |
| External Stores Subsystem .....   | 696-1 | 696              |
| Pylon, Aircraft (Frame and Actuator) .....                                  | 697-1 | 697              |
| Frame Assembly, Pylon .....   | 698-1 | 698              |
| Rack, Bomb Ejector, Aircraft (Part 1) .....                                 | 699-1 | 699              |
| Rack, Bomb Ejector, Aircraft (Part 2) .....                                 | 700-1 | 700              |
| Ejector Assembly, Rack Pylon .....  | 701-1 | 701              |

## TABLE OF CONTENTS - Continued

|   | Page   | Illus/<br>Figure |
|---|--------|------------------|
| Hardware Installation, Target Acquisition Designation Sight and Pilot Night<br>Vision Sensor Assemblies ..... | 702-1  | 702              |
| Countermeasure Installation (Part 1) .....  | 703-1  | 703              |
| Countermeasure Installation (Part 2) .....  | 704-1  | 704              |
| Countermeasure Installation (Part 3) .....  | 705-1  | 705              |
| Countermeasure Installation (Part 4) .....  | 706-1  | 706              |
| Cooling System Installation, Radar Jammer .....   | 707-1  | 707              |
| Kit, Winterization System Installation .....  | 708-1  | 708              |
| Covers, Antenna Blade .....   | 709-1  | 709              |
| Wire Strike Protection Installation, Gun Deflector .....  | 710-1  | 710              |
| Group 17 Emergency Equipment  |        |                  |
| Canopy Severance Device Installation .....  | 711-1  | 711              |
| Portable Fire Extinguisher Installation .....   | 712-1  | 712              |
| First Aid Kit Installation (FWD and AFT Cockpits) .....   | 713-1  | 713              |
| Group 60 Bulk Materials List  |        |                  |
| Bulk Materials .....  | Bulk-1 | Bulk             |
| Section III. SPECIAL TOOLS LIST   |        |                  |
| Group 80 Special Tools  |        |                  |
| Ground Support Kit (AVUM) (Part 1) .....  | 714-1  | 714              |
| Ground Support Kit (AVUM) (Part 2) .....  | 715-1  | 715              |
| Ground Support Kit (AVUM) (Part 3) .....  | 716-1  | 716              |
| Airframe Special Equipment (AVIM) .....   | 717-1  | 717              |
| Tool Kit, Special (AVUM) (Part 1) .....   | 718-1  | 718              |
| Tool Kit, Special (AVUM) (Part 2) .....   | 719-1  | 719              |
| Tool Kit (AVIM) (Part 1) .....  | 720-1  | 720              |
| Tool Kit (AVIM) (Part 2) .....  | 721-1  | 721              |
| Crane, Aircraft Mounted Maintenance (Part 1) .....  | 722-1  | 722              |
| Crane, Aircraft Mounted Maintenance (Part 2) .....  | 723-1  | 723              |
| Crane, Aircraft Mounted Maintenance (Part 3) .....  | 724-1  | 724              |
| Crane, Aircraft Mounted Maintenance (Part 4) .....  | 725-1  | 725              |
| Yoke Assembly, Elevation .....  | 726-1  | 726              |
| Rigging Kit, Aircraft (Part 1) .....  | 727-1  | 727              |
| Rigging Kit, Aircraft (Part 2) .....  | 728-1  | 728              |
| Rigging Kit, Aircraft (Part 3) .....  | 729-1  | 729              |
| Kit, Sling Set (Part 1) .....   | 730-1  | 730              |
| Kit, Sling Set (Part 2) .....   | 731-1  | 731              |
| Kit, Sling Set (Part 3) .....   | 732-1  | 732              |
| Kit, Sling Set (Part 4) .....   | 733-1  | 733              |
| Kit, Sling Set (Part 5) .....   | 734-1  | 734              |

## TABLE OF CONTENTS - Continued

|  | Page  | Illus/<br>Figure |
|--|-------|------------------|
| Kit, Sling Set (Part 6) .....                              | 735-1 | 735              |
| Transmission Kit, Removal and Installation .....           | 736-1 | 736              |
| Platform, Main Transmission Removal and Installation ..... | 737-1 | 737              |
| Kit, Lube Drain Hose .....                                 | 738-1 | 738              |
| Test Equipment, Helicopter (Part 1) .....                  | 739-1 | 739              |
| Test Equipment, Helicopter (Part 2) .....                  | 740-1 | 740              |
| Tab Bending Tool and Gage .....                            | 741-1 | 741              |
| Box Assembly, Switch, Rotor Track and Balance Kit .....    | 742-1 | 742              |
| Phase Tool Assembly .....                                  | 743-1 | 743              |
| Kit, Ground Lock PGS .....                                 | 744-1 | 744              |
| Cord Assembly, Electrical .....                            | 745-1 | 745              |
| Maintenance Platform, APU .....                            | 746-1 | 746              |
| Kit, Hydraulic Hoses .....                                 | 747-1 | 747              |
| Kit, Fuel Cell Removal and Installation .....              | 748-1 | 748              |
| Plate Assembly, Fuel Cell Access .....                     | 749-1 | 749              |
| Box Assembly, Fuel Cell Removal and Installation .....     | 750-1 | 750              |
| Adapter Kit, Airframe Component Handling (Part 1) .....    | 751-1 | 751              |
| Adapter Kit, Airframe Component Handling (Part 2) .....    | 752-1 | 752              |
| Adapter Kit, Airframe Component Handling (Part 3) .....    | 753-1 | 753              |
| Adapter Assembly, Main Rotor Blade Handling .....          | 754-1 | 754              |
| Tool Kit, Aircraft Main Rotor Head .....                   | 755-1 | 755              |
| Adapter Assembly, Engine Handling .....                    | 756-1 | 756              |
| Tool Kit, Aircraft Maintenance (AVIM) .....                | 757-1 | 757              |
| Fixture, Tail Rotor Head Assembly and Repair (AVIM) .....  | 758-1 | 758              |
| Brake, Input Pinion Gear .....                             | 759-1 | 759              |
| Socket, Rotor Brake .....                                  | 760-1 | 760              |
| Socket, Locknut Set .....                                  | 761-1 | 761              |
| Cover, Ice Sensor Assembly .....                           | 762-1 | 762              |
| Tool, Output Shaft Seal Installation .....                 | 763-1 | 763              |
| Tool, Input Shaft Seal Installation .....                  | 764-1 | 764              |
| Kit, Spreader Bar/Positioning .....                        | 765-1 | 765              |
| Teeter Stop Bonding Fixture .....                          | 766-1 | 766              |
| Adapter Assembly, Calibration .....                        | 767-1 | 767              |
| Adapter, Calibration, Rotor Blade De-Ice System .....      | 768-1 | 768              |
| Figure Deleted .....                                       |       | 769              |
| Packer Assembly, Main Rotor Bearing .....                  | 770-1 | 770              |
| Rod/Link Adjustment Tool Assembly, Right .....             | 771-1 | 771              |
| Fixture, Shock Strut Restraining .....                     | 772-1 | 772              |
| Spring Compressor, Fork Assembly .....                     | 773-1 | 773              |
| Test Set, Pylon Ejector .....                              | 774-1 | 774              |
| Socket, Wrench, Main Transmission .....                    | 775-1 | 775              |

TABLE OF CONTENTS - Continued

|  | Page   | Illus/<br>Figure |
|--|--------|------------------|
| Fixture, Protective, Main Rotor Mast .....                           | 776-1  | 776              |
| Plug, Seal Kit .....   | 777-1  | 777              |
| Wrench, Socket, Anti Flail Bearing .....                             | 778-1  | 778              |
| Compressor, Rotor Brake, Set .....                                   | 779-1  | 779              |
| Set, Jackscrew .....   | 780-1  | 780              |
| Tool Kit, Aircraft Lower Bearing Seal Installation/Removal .....     | 780A-1 | 780A             |
| Tool Kit, Tail Rotor Fork Resilient Mount Installation/Removal ..... | 780B-1 | 780B             |
| Tool Kit, Aircraft .....   | 780C-1 | 780C             |
| Kit, Generator Removal .....   | 780D-1 | 780D             |
| Group 82 Flyaway Items   |        |                  |
| Tie Down Kit, Aircraft (Part 1) .....                                | 781-1  | 781              |
| Tie Down Kit, Aircraft (Part 2) .....                                | 782-1  | 782              |
| Tie Down Kit, Aircraft (Part 3) .....                                | 783-1  | 783              |
| Section IV. CROSS-REFERENCE INDEXES                                  |        |                  |
| National Stock Number Index .....                                    | I-1    |                  |
| Part Number Index .....  | I-143  |                  |
| Figure and Item Number Index .....                                   | I-533  |                  |



# AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

## SECTION I. INTRODUCTION

### 1. Scope.

This RPSTL lists and authorizes spares and repair parts; special tools; special Test, Measurement, and Diagnostic Equipment (TMDE); and other special support equipment required for performance of aviation unit and aviation intermediate maintenance of the AH-64A Advanced Attack Helicopter. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the Source, Maintenance and Recoverability (SMR) codes.

### 2. General.

In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. **Section II. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence.

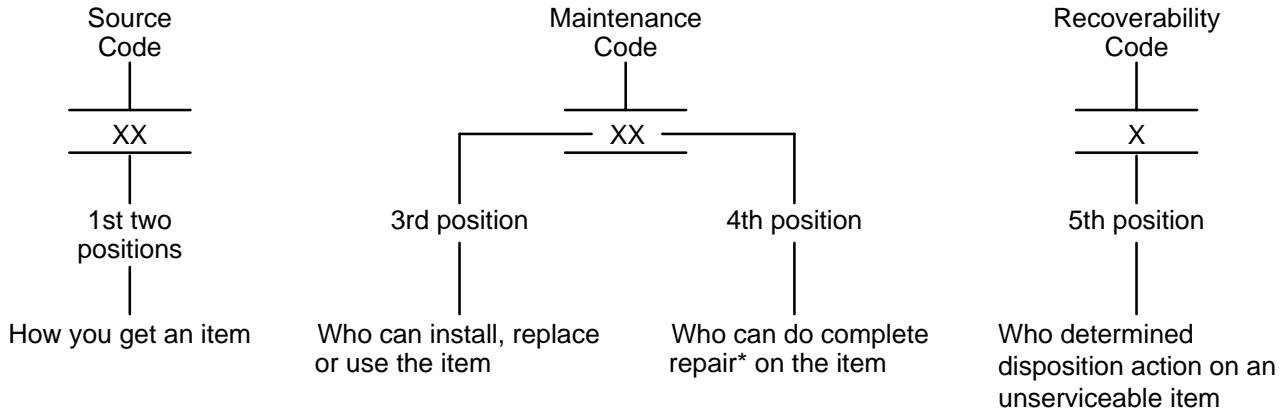
b. **Section II. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column) for the purpose of maintenance.

c. **Section IV. Cross-reference Indexes.** A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbers (NSN) appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, FSCM/CAGE and part numbers.

**3. Explanation of Columns (Sections II and III).**

a. **ITEM NO (Column (1)).** Indicates the number used to identify items called out in the illustration.

b. **SMR CODE (Column (2)).** The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



\*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) **Source Code.** The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

| Code   | Explanation  |
|--|--|
| PA<br>PB<br>PC**<br>PD<br>PE<br>PF<br>PG   | Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.<br><br>**NOTE: Items coded PC are subject to deterioration.   |
| KD<br>KF<br>KB   | Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.   |
| MO- (Made at org/<br>AVUM Level)<br>MF- (Made at DS/<br>AVIM Level)<br>MH- (Made at GS<br>Level)<br>ML- (Made at Specialized<br>Repair<br>Activity (SRA))<br>MD- (Made at Depot) | Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. Fabricated items may also be made utilizing Appendix D of the TM 1-1520-238-23 Series. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher Level, order the item from the higher Level of maintenance. |



| Code                              | Explanation  |
|-----------------------------------|--|
| AO- (Assembled by org/AVUM Level) | <p>Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the Level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher Level, order the item from the higher Level of maintenance.</p> |
| AF- (Assembled by DS/AVIM Level)  |  |
| AH- (Assembled by GS Category)    |  |
| AL- (Assembled by SRA)            |  |
| AD- (Assembled by Depot)          |  |

- XA- Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below)
- XB - If an "XB" item is not available from salvage, order it using the FSCM/CAGE and part number given.
- XC- Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
- XD- Item is not stocked. Order an "XD"-coded item through normal supply channels using the FSCM/CAGE and part number given, if no NSN is available.

NOTE: Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 700-42.

(2) **Maintenance Code.** Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR Code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an end item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

| Code | Application/Explanation  |
|------|--|
| C    | -Crew or operator maintenance done within organizational or aviation unit maintenance. |
| O    | -Organizational or aviation unit category can remove, replace, and use the item.       |
| F    | -Direct support or aviation intermediate level can remove, replace, and use the item.  |
| H    | -General support level can remove, replace, and use the item.                          |
| L    | -Specialized repair activity can remove, replace, and use the item.                    |
| D    | -Depot level can remove, replace, and use the item.                                    |

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions.) (NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes.

| Code | Application/Explanation  |
|------|--|
| O    | -Organizational or aviation unit is the lowest level that can do complete repair of the item.  |
| F    | -Direct support or aviation intermediate is the lowest level that can do complete repair of the item.  |
| H    | -General support is the lowest level that can do complete repair of the item.  |
| L    | -Specialized repair activity (designated the specialized repair activity) is the lowest level that can do complete repair of the item.   |
| D    | -Depot is the lowest level that can do complete repair of the item.  |
| Z    | -Nonreparable. No repair is authorized.  |
| B    | -No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item). However, the item may be reconditioned by adjusting, lubricating, etc., at the user level. |

(3) **Recoverability Code.** Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

| Recoverability Codes | Application/Explanation   |
|----------------------|---|
| Z                    | -Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR Code.  |
| O                    | -Reparable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit level.  |
| F                    | -Reparable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation intermediate level.  |
| H                    | -Reparable item. When uneconomically repairable, condemn and dispose of the item at the general support level.  |
| D                    | -Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.  |
| L                    | -Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).  |
| A                    | -Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to specific instructions. |

c. **FSCM/CAGE (Column (3)).** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. **PART NUMBER (Column (4)).** Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

NOTE: When you use a NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. **DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)).** This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) The physical security classification is not applicable.
- (3) Items that are included in kits and sets are listed below the name of the kit or set.
- (4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.
- (6) When the item is not used with all the serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).
- (7) The usable on code, when applicable (see paragraph 5, Special Information).
- (8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.
- (9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.

f. **QTY (Column (6)).** The QTY (quantity per figure column) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

#### 4. Explanation of Columns (Section II and III).

##### a. NATIONAL STOCK NUMBER (NSN) INDEX.

(1) **STOCK NUMBER column.** This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN (i.e.,  $\frac{\text{NSN}}{5305-01-674-1467}$ ). When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering parts by stock number.

(2) **FIG. column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(3) **ITEM column.** The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. **PART NUMBER INDEX.** Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) **FSCM/CAGE column.** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) **PART NUMBER column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

(3) **STOCK NUMBER column.** This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and FSCM/CAGE columns to the left.

(4) **FIG. column** This column lists the number of the figure where the item is identified/located in Section II and Section III.

(5) **ITEM column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. **FIGURE AND ITEM NUMBER INDEX.**

(1) **FIG. column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(2) **ITEM column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) **STOCK NUMBER column.** This column lists the NSN for the item.

(4) **FSCM/CAGE column.** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) **PART NUMBER column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

**5. Special Information.**

a. **USABLE ON CODE.** The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC: . . . . ." in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models.

b. **FABRICATION INSTRUCTIONS.** Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of the RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 1-1520-238-23.

c. **ASSEMBLY INSTRUCTION.** Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 1-1520-238-23. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

d. **KITS.** Line item entries for repair parts kits appear in a group in Section II (see table of contents).

e. **INDEX NUMBERS.** Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in Section II.

f. **ASSOCIATED PUBLICATIONS.** The publication(s) listed below pertain to the AH-64A Advanced Attack Helicopter and its components.

| <u>Publication</u> | <u>Short Title</u>   |
|--------------------|--|
| TM 1-1520-238-23   | AVUM and AVIM Maintenance, AH-64A Advanced Attack Helicopter |

g. **ILLUSTRATIONS - LISTING.** Higher-category RPSTL illustrations are not applicable.

**6. How To Locate Repair Parts.**

a. When National Stock Number or Part Number is Not Known.

(1) **First.** Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) **Third.** Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) **First.** Using the National Stock Number or Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see 4a(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see 4b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

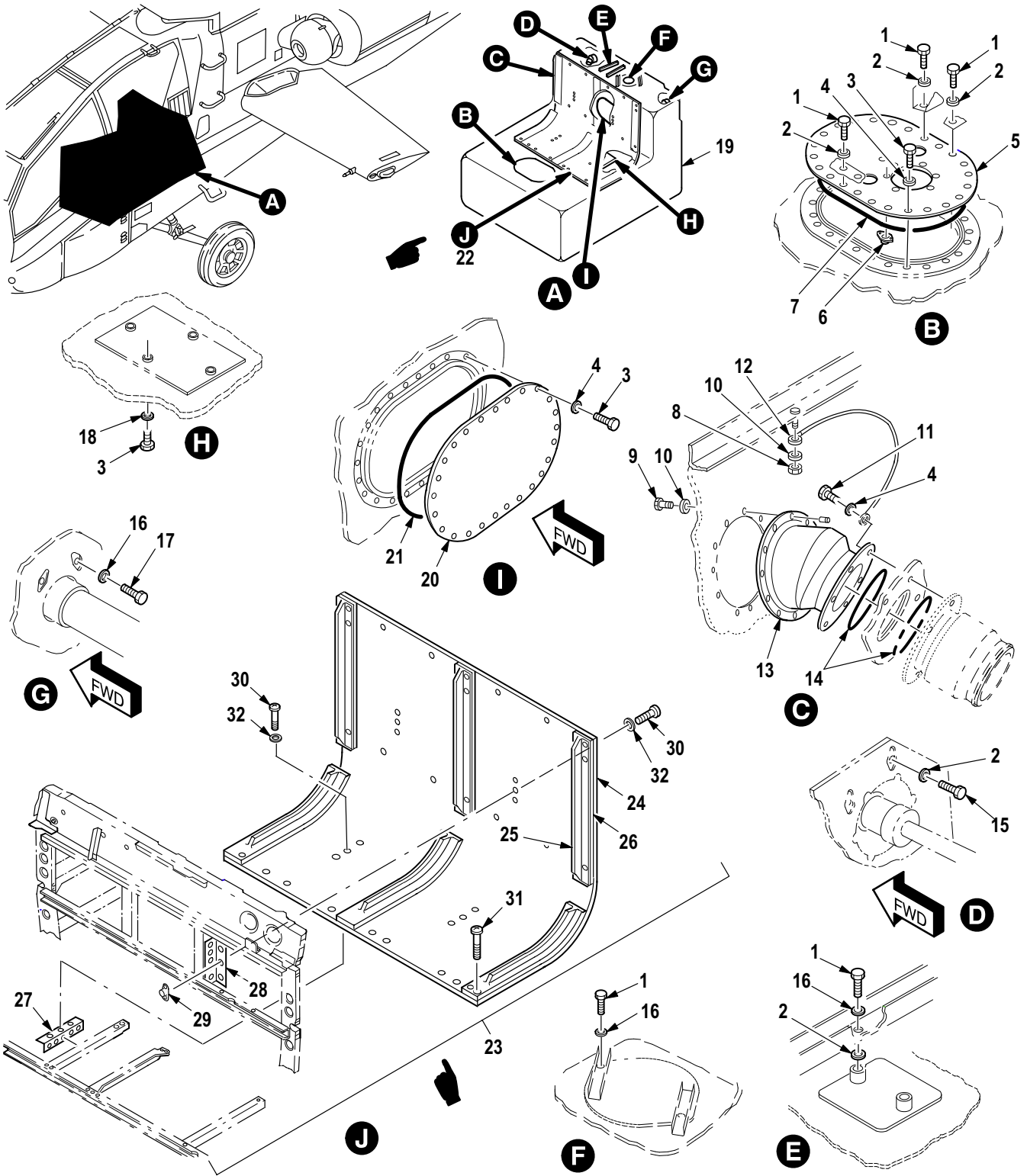
(2) **Second.** Turn to figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

**7. Abbreviations.**

| <u>Abbreviations</u> | <u>Explanation</u>  |
|----------------------|---|
| AAB                  | AFT Avionics Bay  |
| AAH                  | AH-64A Advanced Attack Helicopter   |
| ADP                  | Air Data Processor  |
| APU                  | Auxiliary Power Unit  |
| ASE                  | Automatic Stabilization Equipment   |
| AVIM                 | Direct Support or Aviation Intermediate Maintenance Repair Parts and Special Tools List |
| AVUM                 | Organizational or Aviation Intermediate Maintenance Repair Parts and Special Tools List |

| <u>Abbreviations</u> | <u>Explanation</u>   |
|----------------------|--|
| BUCS                 | Back Up Control System   |
| CPG                  | Copilot/Gunner   |
| DASE                 | Digital Automatic Stabilization Equipment                                      |
| ECS                  | Environmental Control System   |
| ECU                  | Environmental Control Unit   |
| EFF                  | Effectivity  |
| EMI                  | Electro-Magnetic Interference  |
| FAB                  | Forward Avionics Bay   |
| FD/LS                | Fault Detection/Location Subsystem   |
| FIG/FIGS             | Figure/Figures   |
| FS                   | Fuselage Station   |
| FSP                  | Flight Safety Part   |
| IPAS                 | Integrated Pressurized Air System  |
| IRS                  | Infra-Red Suppressor   |
| LG                   | Landing Gear   |
| LH                   | Left Hand  |
| MLG                  | Main Landing Gear  |
| M/R, MR              | Main Rotor   |
| MRH                  | Main Rotor Head  |
| NHA                  | Next Higher Assembly   |
| NIIN                 | National Item Identification Number (consists of the last 9 digits of the NSN) |
| PAS                  | Pressurized Air System   |
| QEC                  | Quick Engine Change  |
| RH                   | Right Hand   |
| RPSTL                | Repair Parts and Special Tools List  |
| SDC                  | Shaft Driven Compressor  |
| SDC                  | Signal Data Converter  |
| T/R, TR              | Tail Rotor   |
| U/O                  | Use On   |
| USBL                 | Usable   |
| XDCR                 | Transducer   |
| XMSM                 | Transmission   |



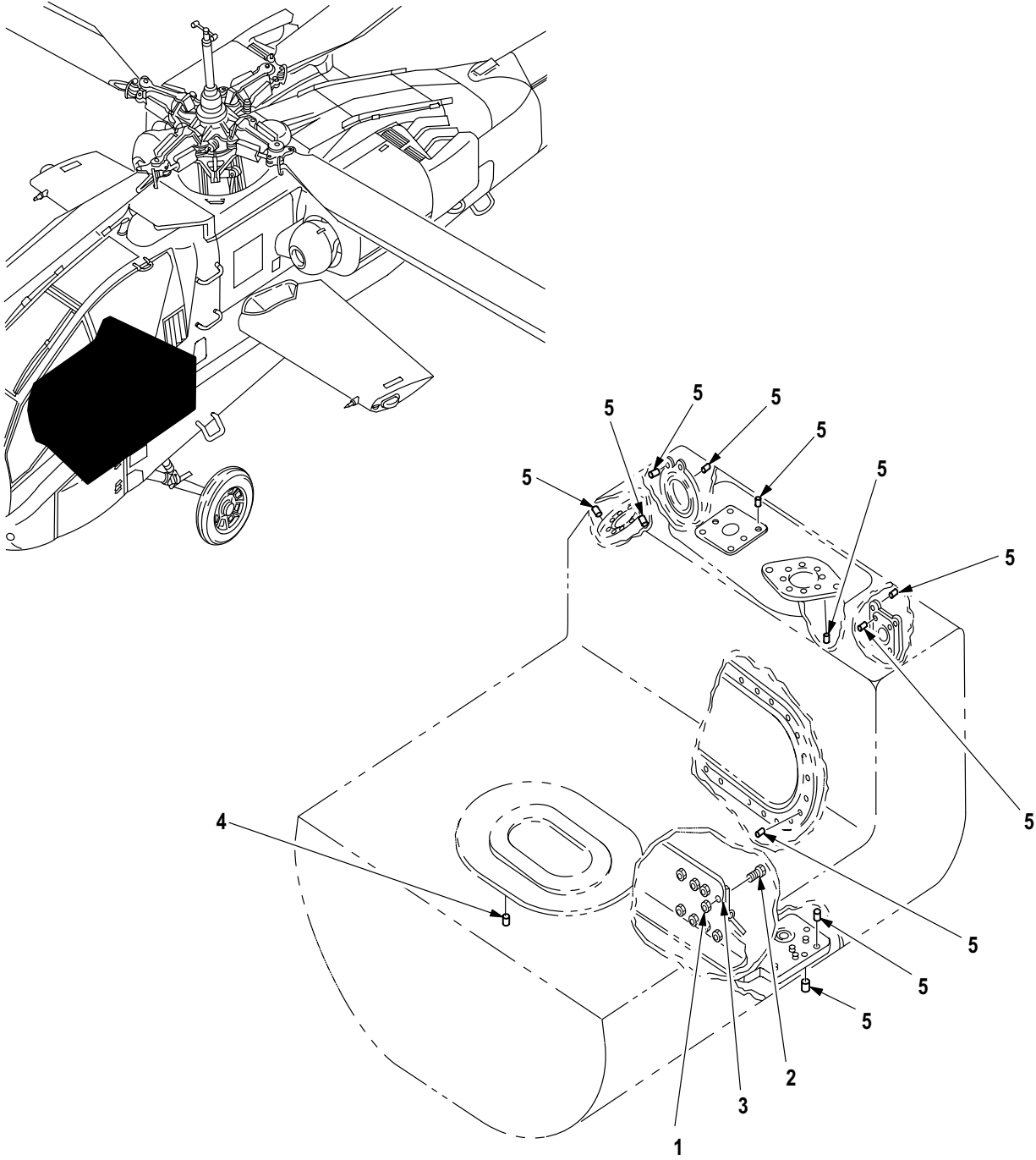


M09-389H

Figure 555. Group 10 Fuel Cell Installation (Forward)  
7-31 1642060



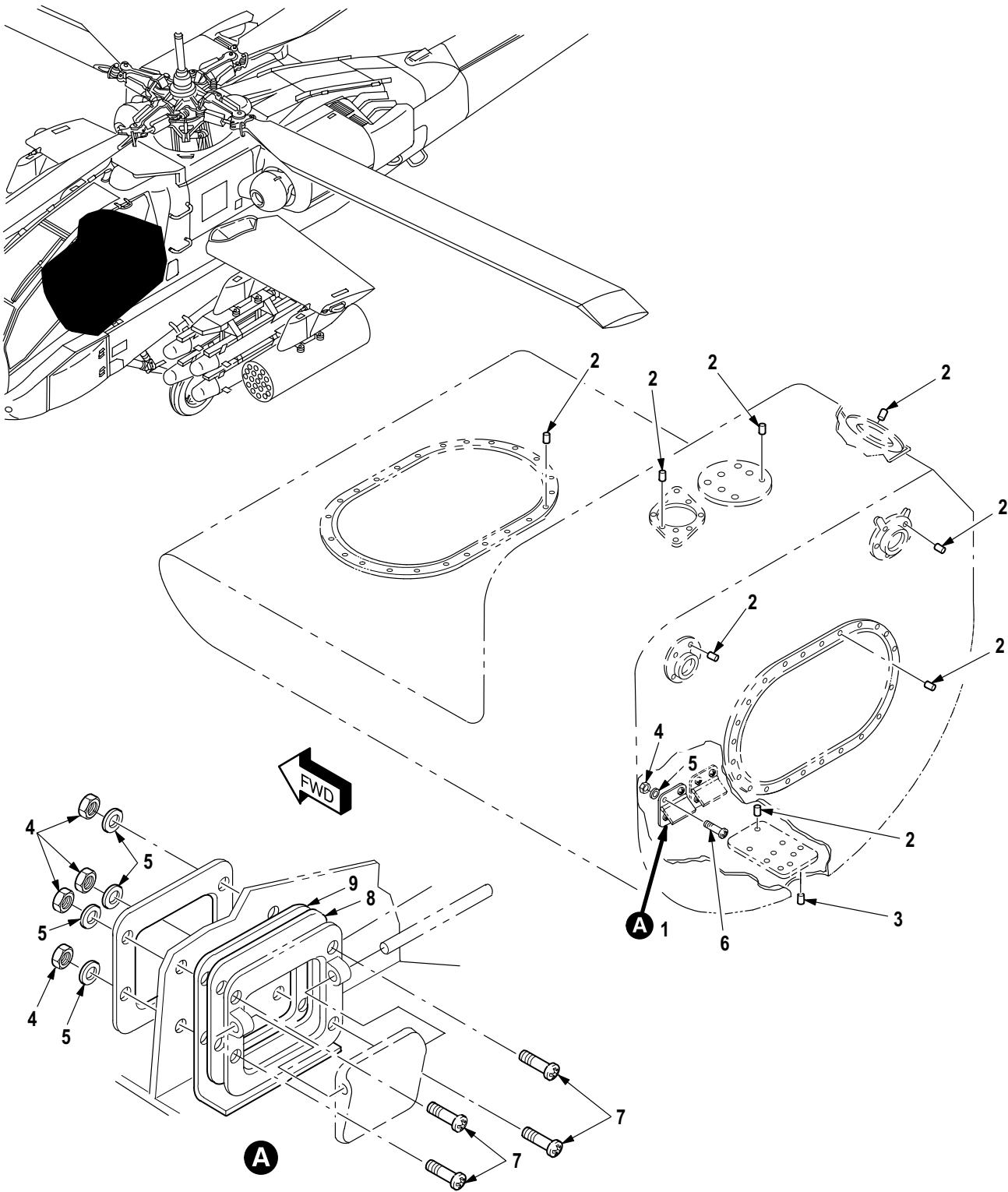
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 555 Fuel Cell Installation (Forward)<br>7-31 1642060 |            |
| 1                  | PAOZZ              | 80205       | NAS6204-3H         | • Bolt, Shear .....   | 10         |
| 2                  | PAOZZ              | 02731       | HS306-327H         | • Washer, Flat .....  | 11         |
| 3                  | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....   | 56         |
| 4                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 58         |
| 5                  | PAOOO              | 02731       | 7-21 1641003       | • Cover, Fuel Cell .....  | 1          |
| 6                  | PAOZZ              | 80205       | NAS1474A4          | •• Nut, Self-Locking, PI .....  | 6          |
| 7                  | PAOZZ              | 96906       | MS29513-270        | • O-Ring .....  | 1          |
| 8                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 2          |
| 9                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....   | 24         |
| 10                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 26         |
| 11                 | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....   | 6          |
| 12                 | PAOZZ              | 81349       | MS25083-2BC8       | • Lead, Electrical .....  | 2          |
| 13                 | PAOZZ              | 02731       | 7-31 1642122       | • Filler Neck .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....  | 2          |
| 15                 | PAOZZ              | 96906       | NAS144-12          | • Bolt, Internal Wrenc .....  | 2          |
| 16                 | PAOZZ              | 02731       | 7-1 17420117       | • Washer, Recessed .....  | 7          |
| 17                 | PAOZZ              | 96906       | NAS144-16          | • Bolt, Internal Wrenc .....  | 2          |
| 18                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....  | 8          |
| 19                 | PAOOO              | 02731       | 7-31 1641001-3     | • Tank, Fuel, Aircraft FWD (Goodyear)<br>(See Fig. 557 for Breakdown) .....       | 1          |
| 19                 | PAOOO              | 02731       | 7-51 1641301-001   | • Tank, Fuel, Aircraft FWD (Goodyear)<br>(See Fig. 557 for Breakdown) .....       | 1          |
| 19                 | PAOOO              | 02731       | 7-31 1641001-3     | • Tank, Fuel, Aircraft FWD (Amfuel)<br>(See Fig. 556 for Breakdown) .....         | 1          |
| 20                 | PAOZZ              | 02731       | 7-31 1641001-5     | • Cover, Fuel Cell .....  | 1          |
| 21                 | PAOZZ              | 02731       | 7-1 17410006       | • O-Ring .....  | 1          |
| 22                 | XCFFF              | 81996       | AH64FCR            | • Reinforcement, Fuel .....   | 1          |
| 23                 | XDFZZ              | 81996       | AH64FCR-A          | •• Cover Assembly .....   | 1          |
| 24                 | XDFZZ              | 81996       | AH64FCR-1A         | •• Outer Plate .....  | 1          |
| 25                 | XDFZZ              | 81996       | AH64FCR-2          | •• Tee .....  | 3          |
| 26                 | XDFZZ              | 81996       | AH64FCR-4          | •• Strip, Tee Supt .....  | 3          |
| 27                 | XDFZZ              | 81996       | AH64FCR-5          | •• Bottom Angle .....   | 2          |
| 28                 | XDFZZ              | 81996       | AH64FCR-6          | •• Side Angle .....   | 2          |
| 29                 | PAFZZ              | 80205       | MS21059L3          | •• Nut, Self-Locking, PI .....  | 34         |
| 30                 | PAFZZ              | 96906       | MS27039C1-09       | •• Screw, Machine .....   | 34         |
| 31                 | PAFZZ              | 80205       | NAS623-2-6         | •• Screw, Machine .....   | 7          |
| 32                 | PAFZZ              | 88044       | AN960JD10LL        | •• Washer, Flat .....   | 34         |
| END OF FIGURE      |                    |             |                    |   |            |



M09-569B

Figure 556. Group 10 Tank, Fuel, Aircraft  
7-31 1641001-3,  
(Amfuel P/N; 37832-3 (05476))

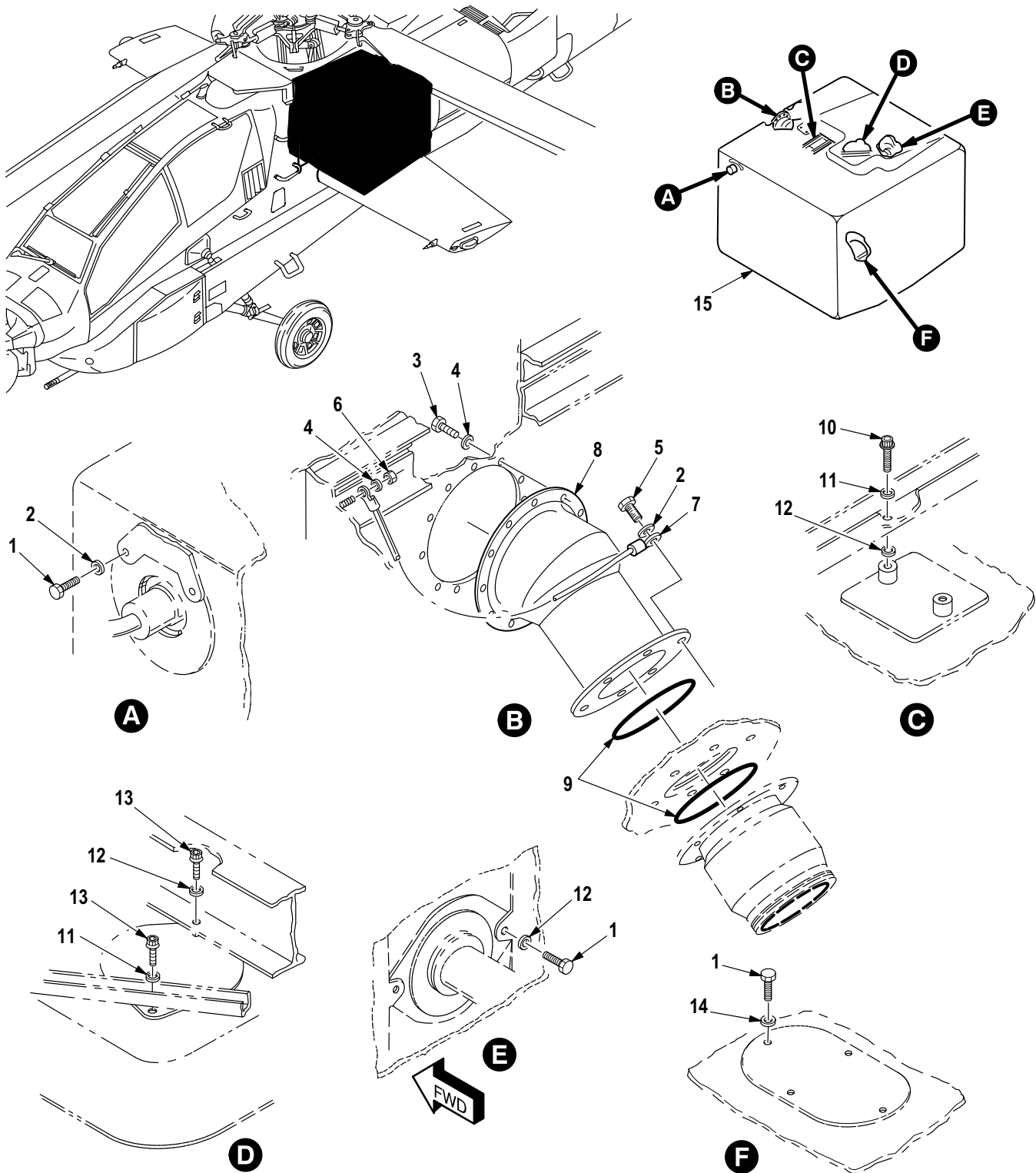
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 556 Tank, Fuel, Aircraft<br>7-31 1641001-3,<br>(Amfuel, P/N; 37832-3 (05476))<br>See Fig. 555 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21083N3          | • Nut, Self-Locking, He .....  | 8          |
| 2                  | PAOZZ              | 88044       | AN3-5A             | • Bolt, Machine .....  | 8          |
| 3                  | PAOZZ              | 05476       | NPB1045            | • Valve, Flapper .....   | 2          |
| 4                  | PAOZZ              | 01556       | 3591-4CNX375       | Insert, Screw Thread .....   | 24         |
| 5                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....   | 24         |
| END OF FIGURE      |                    |             |                    |  |            |



M09-570D

Figure 557. Group 10 Tank, Fuel, Aircraft FWD  
7-31 1641001-3 (Goodyear P/N 320-4-44733-101 (56221))  
7-51 1641301-001 (Goodyear P/N 320-4-44733-103 (56221))

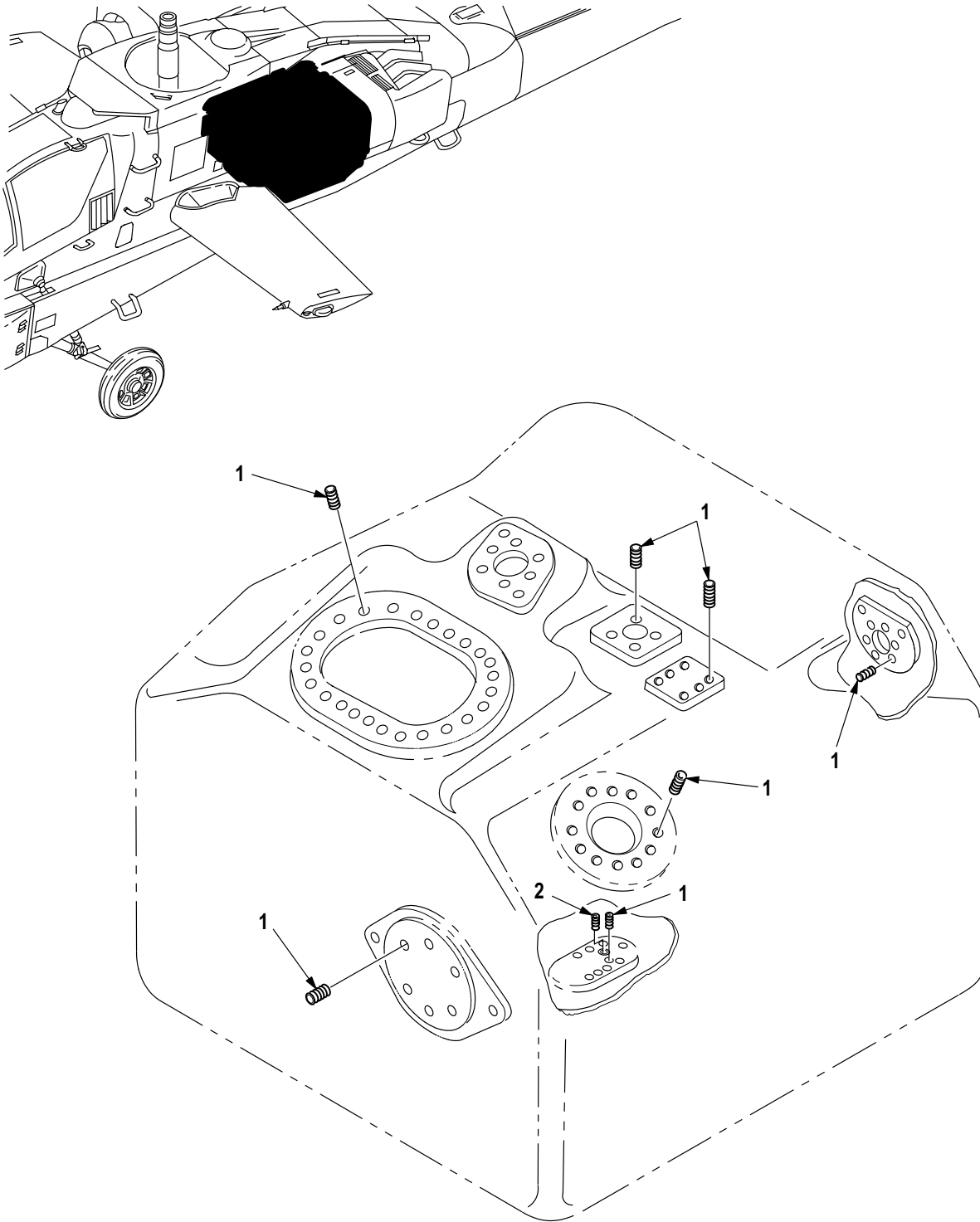
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 557 Tank, Fuel, Aircraft FWD<br>7-31 1641001-3,<br>(Goodyear P/N 320-4-44733-101 (56221))<br>7-51 1641301-001<br>(Goodyear P/N 320-4-44733-103 (56221))<br>See Fig. 555 for NHA |            |
| 1                  | PAOZZ              | 73842       | 2F1-3-23468        | • Valve, Flapper, Fuel .....   | 2          |
| 2                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....   | 6          |
| 3                  | PAOZZ              | 01556       | 3591-3CN0380       | Insert, Screw Thread .....   | 1          |
| 4                  | PAOZA              | 96906       | MS21046C06         | • Nut, Self-Locking, He .....  | 8          |
| 5                  | PAOZZ              | 88044       | AN960C6            | • Washer, Flat .....   | 8          |
| 6                  | PAOZZ              | 96906       | MS51957-31         | • Screw, Machine .....   | 1          |
| 7                  | PAOZZ              | 65597       | 915013-0033        | Screw, Machine Used With Under-Sized Fuel Cells .....  | 8          |
| 8                  | PAOZZ              | 02731       | 7-31 1642060-5     | Spacer, Plate Used With Under-Sized Fuel Cells .....   | 2          |
| 9                  | PAOZZ              | 02731       | 7-31 1642060-3     | Angle, Structural Used With Under-Sized Fuel Cells .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-571E

Figure 558. Group 10 Fuel Cell Installation (AFT)  
7-31 1642060

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 558 Fuel Cell Installation (AFT)<br>7-31 1642060 |            |
| 1                  | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....   | 8          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 8          |
| 3                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....   | 12         |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 13         |
| 5                  | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....   | 6          |
| 6                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A10BC     | • Lead, Electrical .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1642023       | • Filler Neck .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....  | 2          |
| 10                 | PAOZZ              | 80205       | NAS6204-3H         | • Bolt, Shear .....   | 2          |
| 11                 | PAOZZ              | 02731       | 7-1 17420117       | • Washer, Recessed .....  | 3          |
| 12                 | PAOZZ              | 02731       | HS306-328H         | • Washer, Flat .....  | 2          |
| 13                 | PAOZZ              | 80205       | NAS6204-5H         | • Bolt, Shear .....   | 2          |
| 14                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....  | 4          |
| 15                 | PAOOO              | 02731       | 7-21 1641002       | • Tank, Fuel, Aircraft (Amfuel) AFT<br>(See Fig. 559 for Breakdown) .....     | 1          |
| 15                 | PAOOO              | 02731       | 7-21 1641002       | • Tank, Fuel, Aircraft (Goodyear) AFT<br>(See Fig. 560 for Breakdown) .....   | 1          |
| 15                 | PAOOO              | 02731       | 7-51 1641302-001   | • Tank, Fuel, Aircraft (Goodyear) AFT<br>(See Fig. 560 for Breakdown) .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

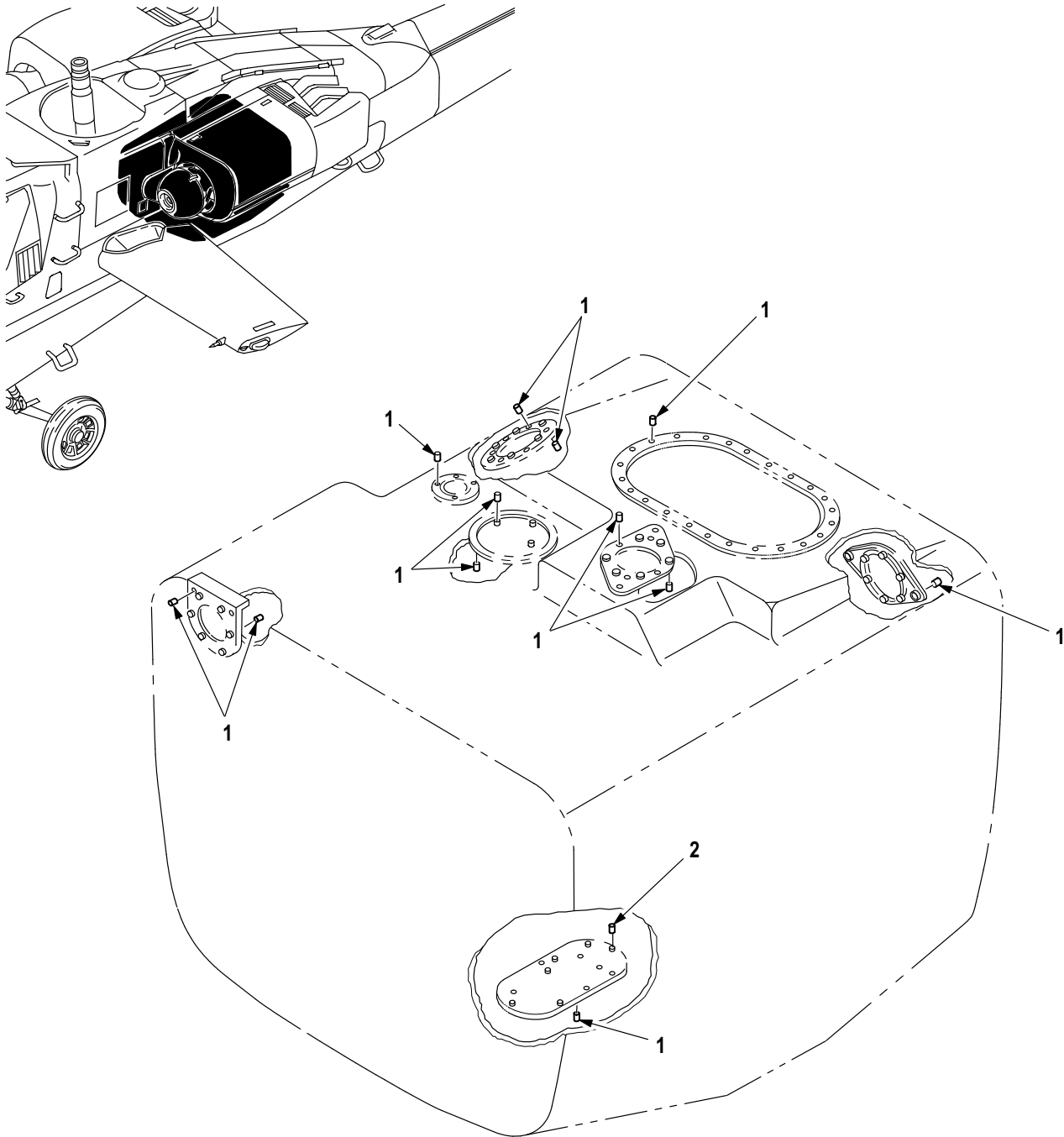


M09-572C

Figure 559. Group 10 Tank, Fuel, Aircraft  
7-21 1641002,  
(Amfuel P/N; 37833-3 (05476))



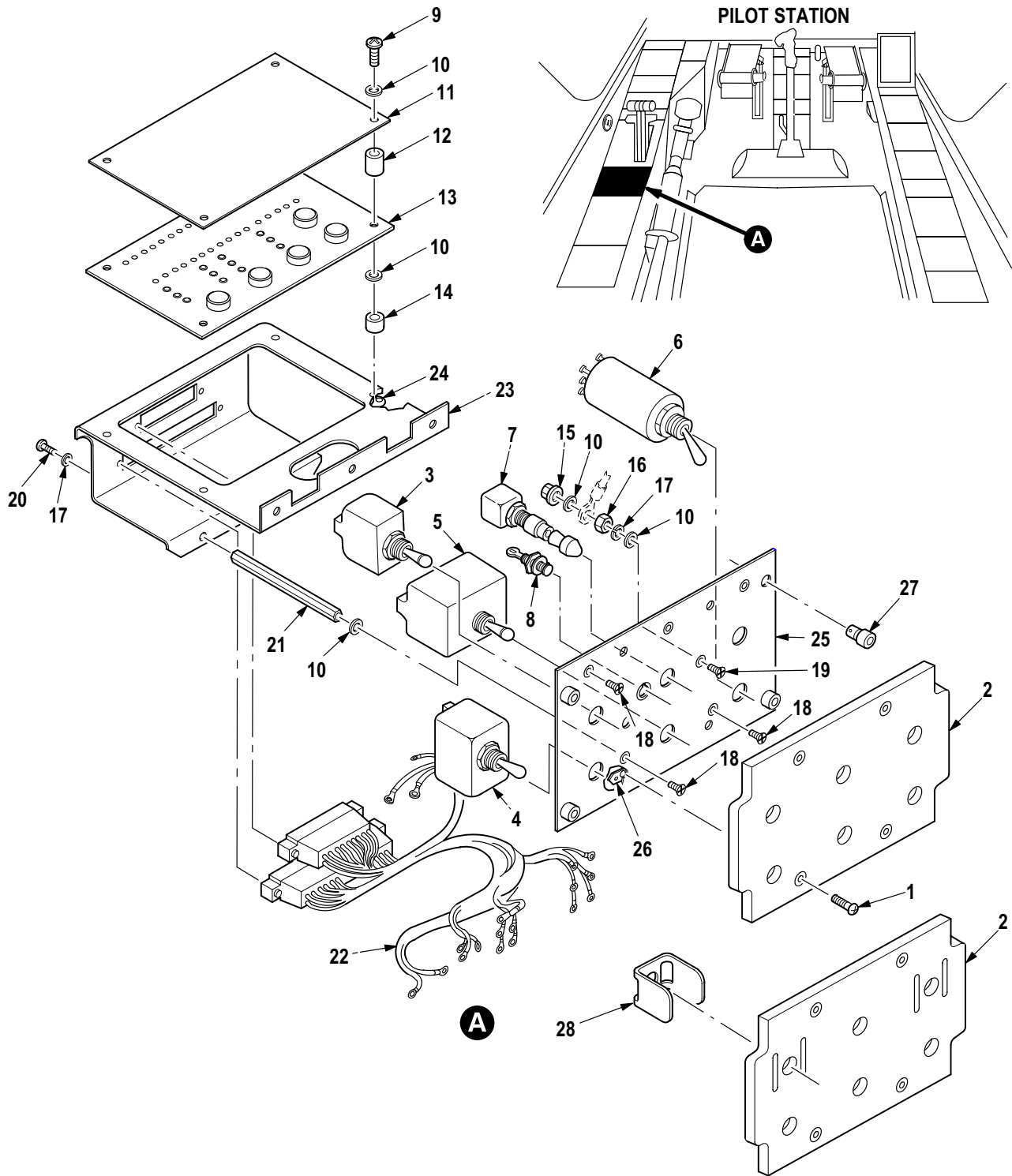
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 559 Tank, Fuel, Aircraft<br>7-21 1641002,<br>(Amfuel P/N; 37833-3 (05476))<br>See Fig. 558 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....  | 8          |
| 2                  | PAOZZ              | 01556       | 3591-3CN0285       | Insert, Screw Thread .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-573A

Figure 560. Group 10 Tank, Fuel, Aircraft AFT  
7-21 1641002 (Goodyear P/N 320-4-44734-101 (56221))  
7-51 1641302-001 (Goodyear P/N 320-4-44734-103 (56221))

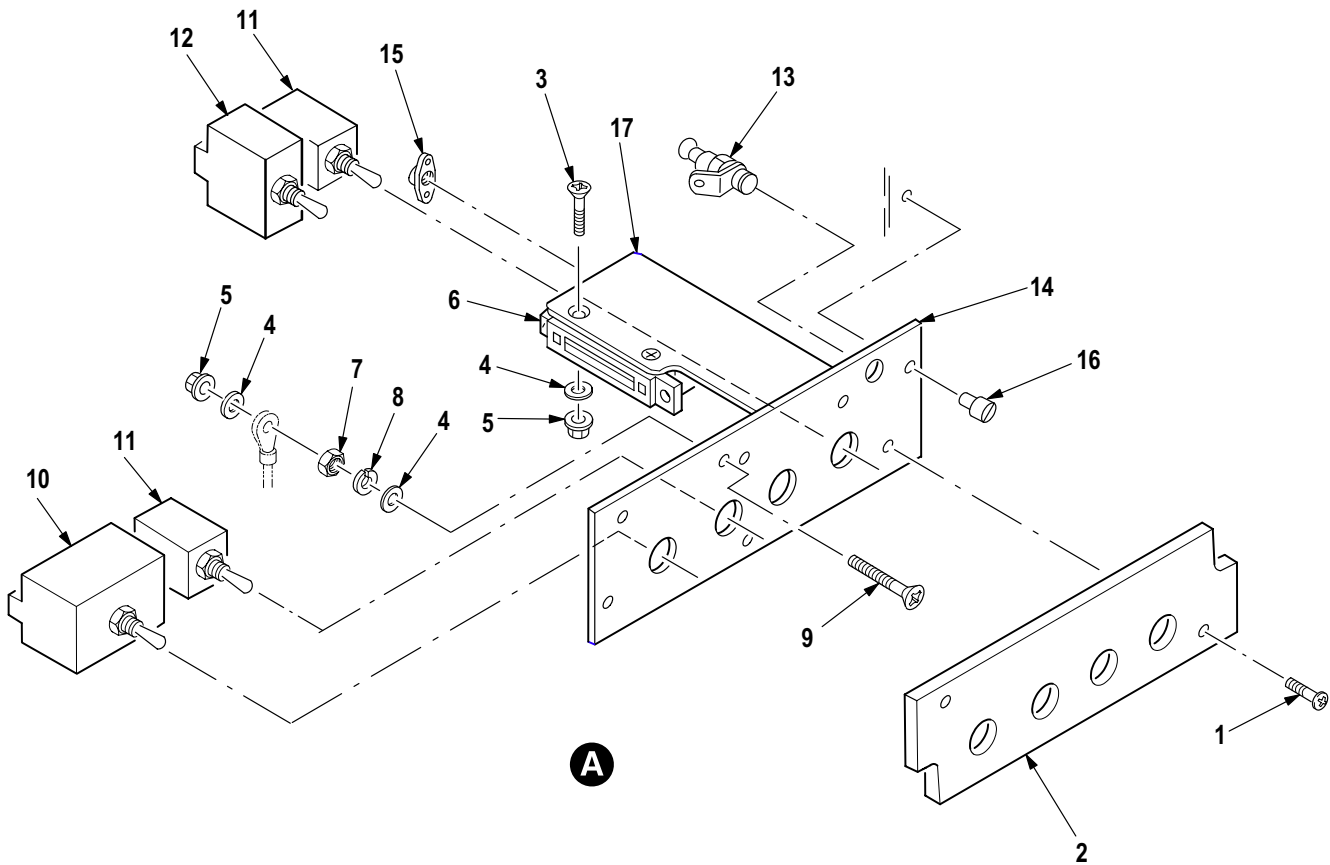
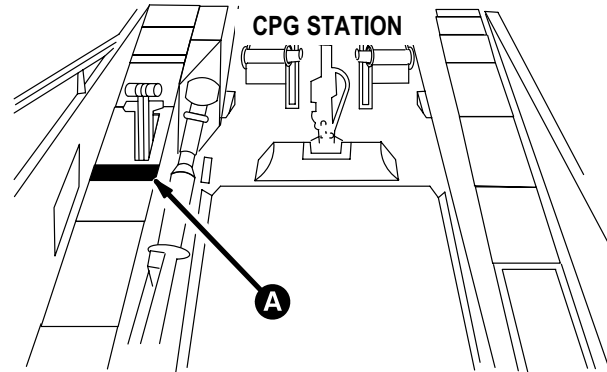
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 560 Tank, Fuel, Aircraft AFT<br>7-21 1641002<br>(Goodyear P/N 320-4-44734-101 (56221))<br>7-51 1641302-001<br>(Goodyear P/N 320-4-44734-103 (56221))<br>See Fig. 558 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....  | 8          |
| 2                  | PAOZZ              | 01556       | 3591-3CN0380       | Insert, Screw Thread .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-634D

Figure 561. Group 10 Panel Assembly, Fuel (Pilot)  
7-31 1642069-605  
7-31 1642069-607 A/C With MWO 1-1520-238-50-40 Incorporated

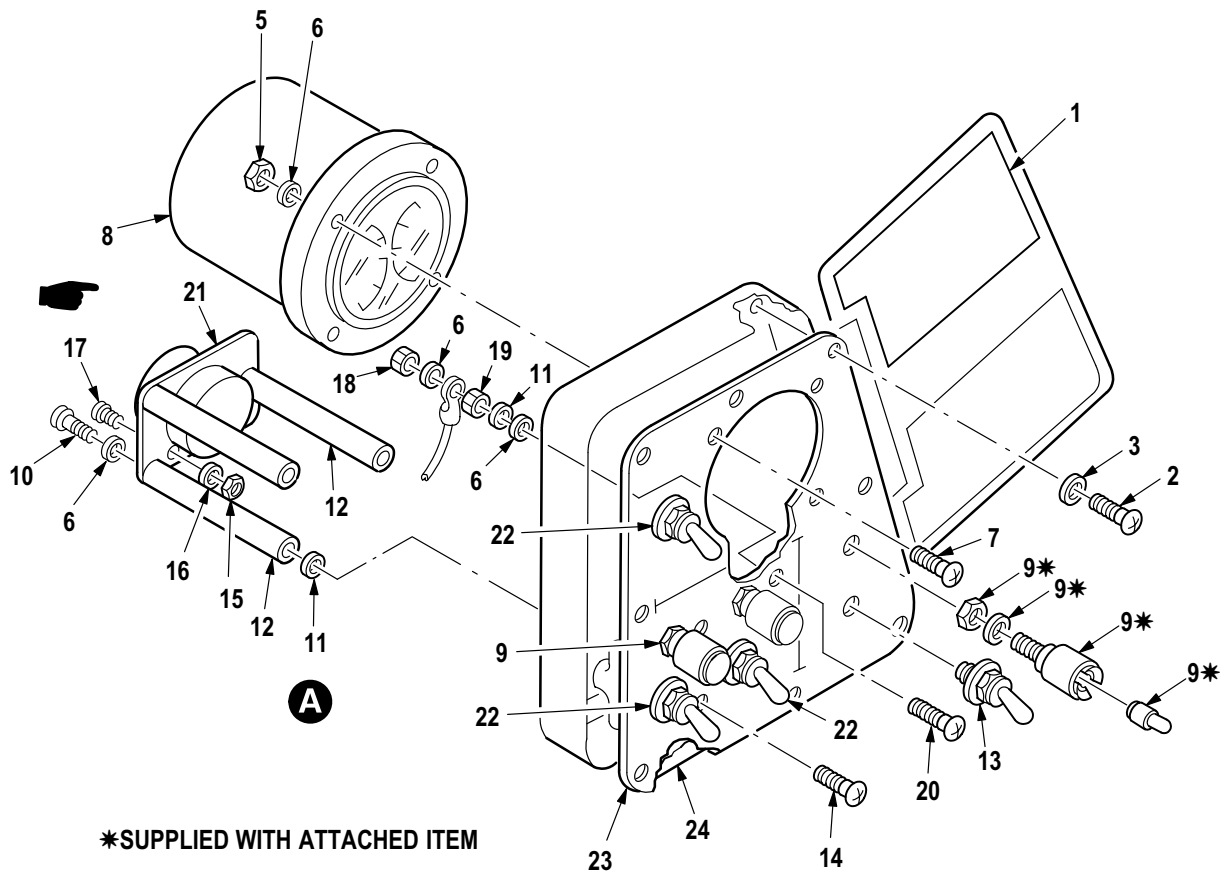
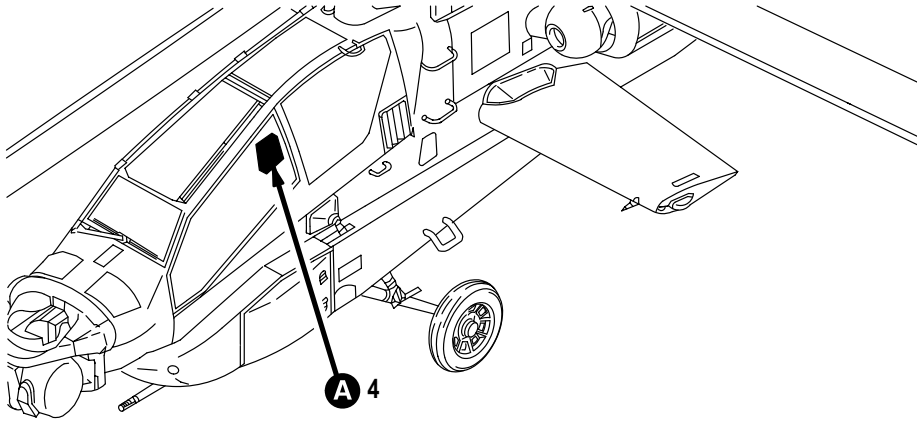
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 561 Panel Assembly, Fuel (Pilot)<br>7-31 1642069-605<br>7-31 1642069-607<br>A/C With MWO 1-1520-238-50-40 Incorporated<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....  | 4          |
| 2                  | PAOZZ              | 02731       | 7-31 1642067       | • Panel, Indicating, Li (U/O P/N 7-311642069-605) .....   | 1          |
| 2                  | PAOZZ              | 02731       | 7-31 1642067-3     | • Panel, Indicating L (U/O P/N 7-311642069-607) .....   | 1          |
| 3                  | PAFZZ              | 96906       | MS24658-23D        | • Switch, Toggle .....  | 2          |
| 4                  | PAFZZ              | 96906       | MS24524-23         | • Switch, Toggle .....  | 1          |
| 5                  | PAFZZ              | 96906       | MS27406-1          | • Switch, Toggle .....  | 1          |
| 6                  | PAFZZ              | 81349       | M5594/2-1          | • Switch, Toggle .....  | 1          |
| 7                  | PAFZZ              | 96906       | MS21027A331        | • Switch, Toggle .....  | 1          |
| 8                  | PAFZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS51957-34B        | • Screw, Machine .....  | 4          |
| 10                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....  | 14         |
| 11                 | PAFFF              | 02731       | 7-31 1642311       | • Cover, Access .....   | 5          |
| 12                 | PAFZZ              | 02731       | HS4230A6001        | • • Spacer, Sleeve .....  | 4          |
| 13                 | PAFZZ              | 02731       | 7-31 1642312       | • Electronic Componen (U/O P/N 7-311642069-605) .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1642312-3     | • Electronic Componen (U/O P/N 7-311642069-607) .....   | 1          |
| 14                 | PAFZZ              | 80205       | NAS43DD1-3N        | • Spacer, Sleeve .....  | 4          |
| 15                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....   | 1          |
| 16                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....   | 1          |
| 17                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....  | 3          |
| 18                 | PAFZZ              | 96906       | MS24693-C26        | • Screw, Machine .....  | 3          |
| 19                 | PAFZZ              | 96906       | MS24693C30         | • Screw, Machine .....  | 1          |
| 20                 | PAFZZ              | 96906       | MS51957-28         | • Screw, Machine .....  | 2          |
| 21                 | PAFZZ              | 80205       | NAS1786A06-44      | • Post, Electrical-Mec .....  | 2          |
| 22                 | PAFZZ              | 02731       | 7-31 1B24612-01 1  | • Wiring Harness, Bran (U/O P/N 7-311642069-605) .....  | 1          |
| 22                 | PAFZA              | 02731       | 7-31 1B24612-013   | • Wiring Harness, Bran (U/O P/N 7-311642069-607) .....  | 1          |
| 23                 | PAFFF              | 02731       | 7-31 1642310       | • Bracket, Mounting .....   | 1          |
| 24                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....   | 7          |
| 25                 | PAFFF              | 02731       | 7-31 1642068       | • Support, Panel .....  | 1          |
| 26                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....   | 4          |
| 27                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl .....  | 4          |
| 28                 | PAFZZ              | 8V613       | 7-31 1B25016-1     | • Switch, Push (U/O P/N 7-311642069-607) .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-388F

Figure 562. Group 10 Panel Assembly, Fuel (Copilot/Gunner)  
7-31 1642307-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 562 Panel Assembly, Fuel (Copilot/Gunner)<br>7-31 1642307-5<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....   | 2          |
| 2                  | PAOZZ              | 02731       | 7-21 1642301-3     | • Panel, Ind Light, Fue .....  | 1          |
| 3                  | PAFZZ              | 96906       | MS24693S28         | • Screw, Machine .....   | 2          |
| 4                  | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....   | 4          |
| 5                  | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....  | 3          |
| 6                  | PAFZZ              | 02731       | 7-31 1B24618-003   | • Wiring Harness, Bran .....   | 1          |
| 7                  | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....  | 1          |
| 8                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....   | 1          |
| 9                  | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....   | 1          |
| 10                 | PAFZZ              | 96906       | MS24660-23G        | • Switch, Toggle .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS21027A331        | • Switch, Toggle .....   | 2          |
| 12                 | PAFZZ              | 81349       | M5594/2-1          | • Switch, Toggle .....   | 1          |
| 13                 | PAFZA              | 96906       | MS90335-3          | • Connector, Receptacl .....   | 1          |
| 14                 | PAFFF              | 02731       | 7-31 1642302-1 1   | • Support, Panel .....   | 1          |
| 15                 | PAFZZ              | 80205       | MS21075L06N        | •• Nut, Self-Locking, Pl .....   | 2          |
| 16                 | PAFZZ              | 02731       | HS4148-1           | •• Stud Assembly, Turnl .....  | 2          |
| 17                 | MFFZZ              | 02731       | 7-31 1642302-13    | •• Bracket .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

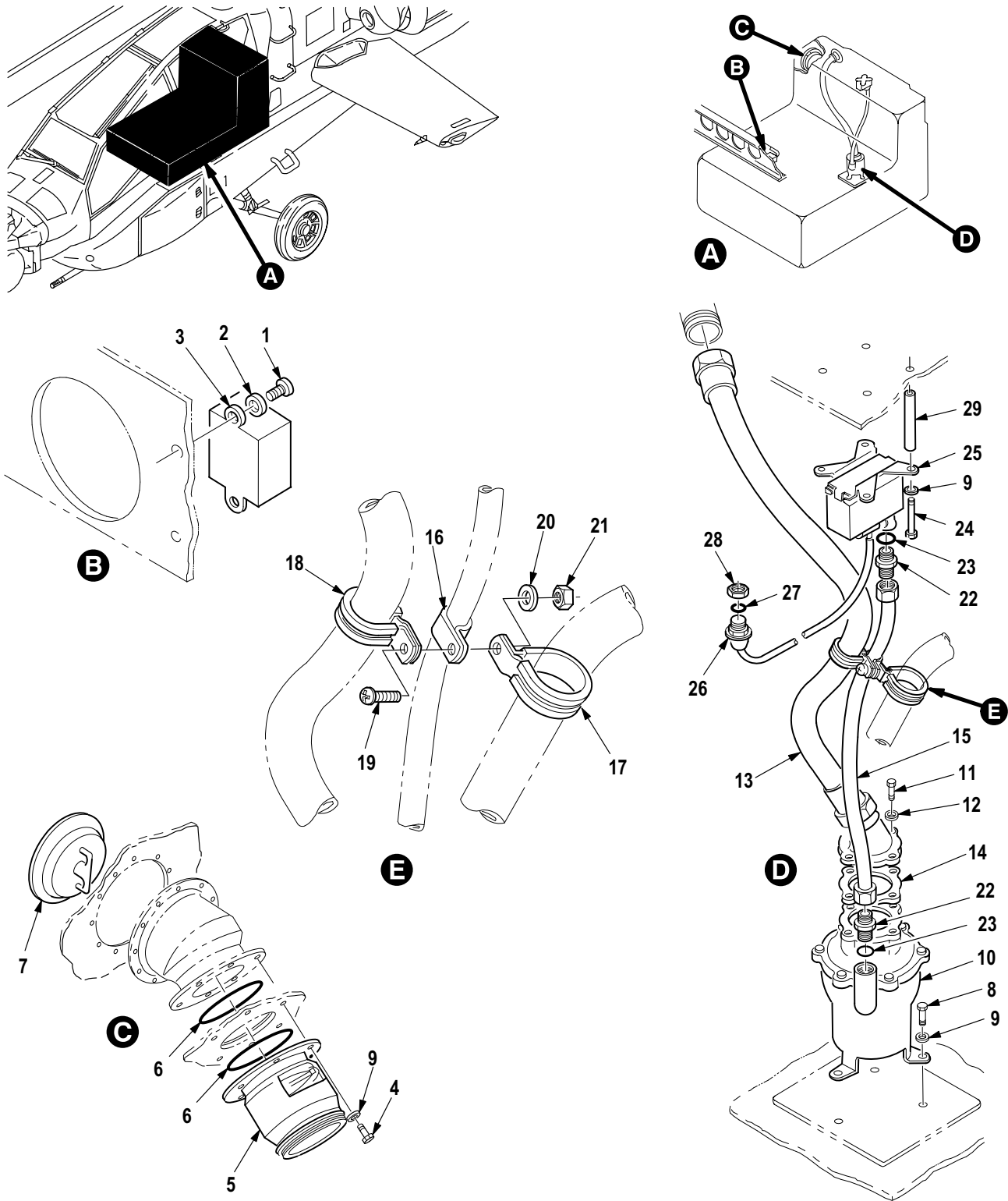


M09-1149B

Figure 563. Group 10 Refueling and Transfer Fuel System (Panel Assembly)  
7-31 1642020



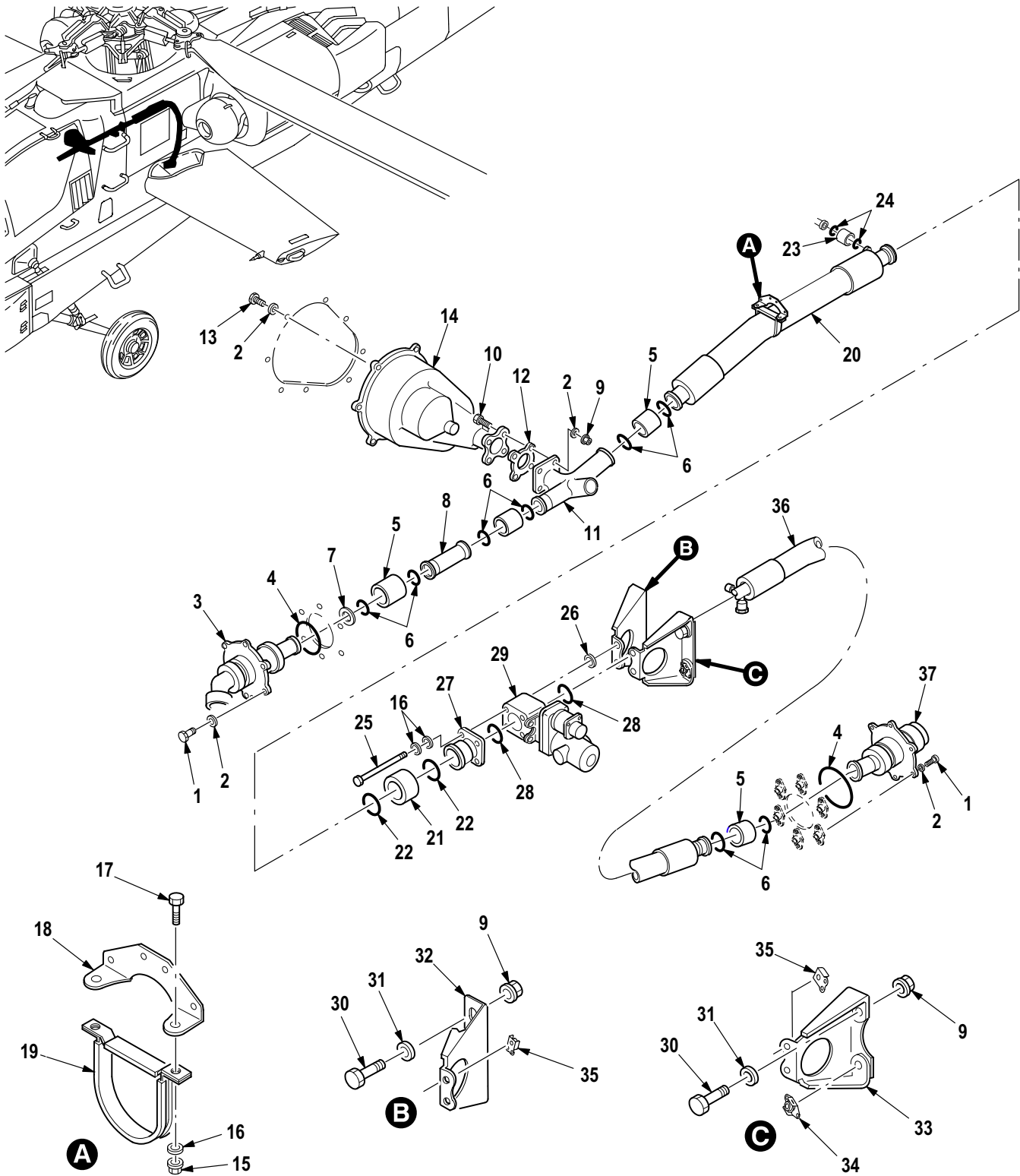
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 563 Refueling and Transfer Fuel System<br>(Panel Assembly)<br>7-31 1642020 |            |
| 1                  | XDOZZ              | 02731       | 7-31 1642518       | • Decal .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....  | 8          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 7          |
| 4                  | PAOFF              | 02731       | 7-31 1642520       | • Panel Assy, Refuelin .....  | 1          |
| 5                  | PAFZZ              | 96906       | MS21044B06         | •• Nut, Self-Locking, He .....  | 4          |
| 6                  | PAFZZ              | 88044       | AN960JD6L          | •• Washer, Flat .....   | 9          |
| 7                  | PAFZZ              | 96906       | MS35214-29         | •• Screw, Machine .....   | 4          |
| 8                  | PAOZZ              | 02731       | 7-21 1C20011       | •• Indicator, Refueling .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS25041-6-327      | •• Light, Indicator .....   | 3          |
| 10                 | PAFZZ              | 80205       | NAS601-6P          | •• Screw, Machine .....   | 3          |
| 11                 | PAFZZ              | 96906       | MS35338-41         | •• Washer, Lock .....   | 7          |
| 12                 | PAFZZ              | 80205       | NAS1786A06-56      | •• Post, Electrical-Mec .....   | 3          |
| 13                 | PAFZZ              | 96906       | MS24524-23         | •• Switch, Toggle .....   | 1          |
| 14                 | PAFZZ              | 96906       | MS24693S26         | •• Screw, Machine .....   | 3          |
| 15                 | PAFZZ              | 80205       | MS21042L04         | •• Nut, Self-Locking, Ex .....  | 4          |
| 16                 | PAFZZ              | 88044       | AN960JD4L          | •• Washer, Flat .....   | 4          |
| 17                 | PAFZZ              | 80205       | NAS600-6P          | •• Screw, Machine .....   | 4          |
| 18                 | PAFZZ              | 80205       | MS21042L06         | •• Nut, Self-Locking, Ex .....  | 1          |
| 19                 | PAFZZ              | 80205       | NAS671C6           | •• Nut, Plain, Hexagon .....  | 1          |
| 20                 | PAFZZ              | 96906       | MS24693S30         | •• Screw, Machine .....   | 1          |
| 21                 | XDFZZ              | 02731       | 7-31 1642314       | •• Bracket .....  | 1          |
| 22                 | PAOZZ              | 96906       | MS24523-22         | •• Switch, Toggle .....   | 3          |
| 23                 | PAFFF              | 02731       | 7-31 1642517       | •• Panel, Indicator .....   | 1          |
| 24                 | MFFZZ              | 02731       | 7-31 1642517-5     | ••• Seal,Gasket .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-394J

Figure 564. Group 10 Refueling and Transfer Fuel System (FS 135 to FS 168)  
7-31 1642020

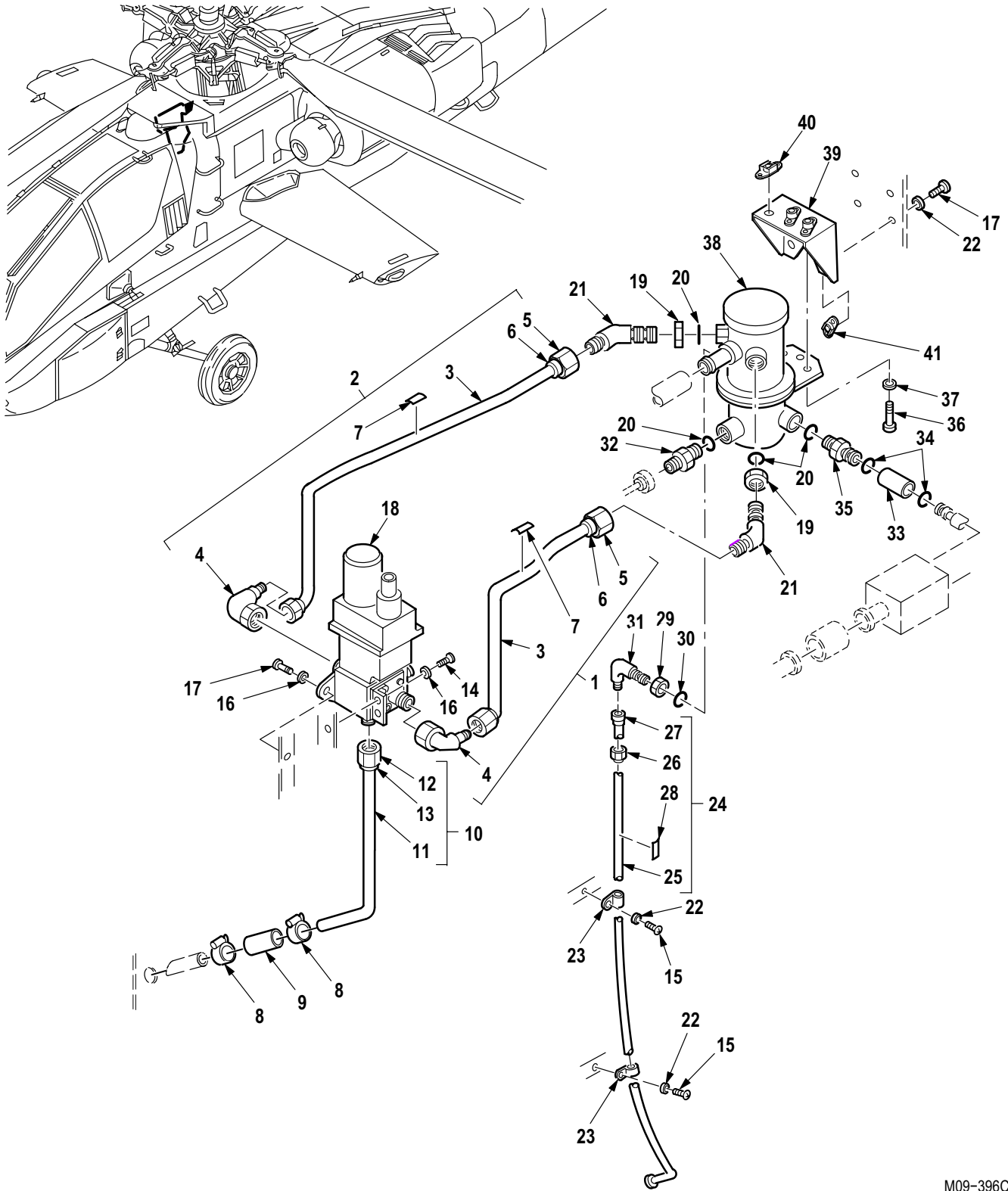
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 564 Refueling and Transfer Fuel System<br>(FS 135 to FS 168)<br>7-31 1642020 |            |
| 1                  | PAOZZ              | 80205       | NAS601-6P          | • Screw, Machine .....  | 4          |
| 2                  | PAOZZ              | 80205       | NAS620-6L          | • Washer, Flat .....  | 2          |
| 3                  | PAOZZ              | 02731       | 7-31 1642111       | • Switch, Isolation .....   | 1          |
| 4                  | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....   | 6          |
| 5                  | PAOFF              | 02731       | 7-1 17420021-5     | • Valve, Fuel System (See Fig. 569 for Breakdown) .....   | 2          |
| 6                  | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....  | 2          |
| 7                  | PAOZZ              | 02731       | 7-31 1642024-3     | • Cap Assembly, Fuel .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....   | 4          |
| 9                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 13         |
| 10                 | PAODD              | 02731       | 7-21 1642002-9     | • Valve, Shutoff .....  | 1          |
| 11                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....   | 4          |
| 12                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 4          |
| 13                 | PAOZZ              | 02731       | 7-21 1642006       | • Hose Assembly, Nonme .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS27194-16         | • Gasket .....  | 1          |
| 15                 | PAOZZ              | 02731       | 7-1 17420010-7     | • Hose Assembly, Nonme .....  | 1          |
| 16                 | XDOZZ              | 88044       | AN742H7            | • Clamp, L00P .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS21919WCF30       | • Clamp, Loop .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS21919WCF18       | • Clamp, Loop .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS51958-64         | • Screw, Machine .....  | 1          |
| 20                 | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He .....   | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....  | 2          |
| 23                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....  | 2          |
| 24                 | PAOZZ              | 80205       | NAS6704U58         | • Bolt, Shear .....   | 4          |
| 25                 | PAOOO              | 02731       | 7-21 1642003-1 1   | • Valve, Solenoid .....   | 1          |
| 26                 | XAOOO              | 81349       | M83723-74A1002N    | • Connector .....   | 1          |
| 27                 | PAOZZ              | 81349       | M25988/1-019       | • O-Ring .....  | 1          |
| 28                 | PAOZZ              | 96906       | MS3186-A-106W      | • Nut, Plain, Hexagon .....   | 1          |
| 29                 | XDOZZ              | 80205       | NAS43DD4-224FC     | • Spacer, Sleeve .....  | 4          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-636E

Figure 565. Group 10 Refueling and Transfer Fuel System (FS 176 to FS 230)  
7-31 1642020

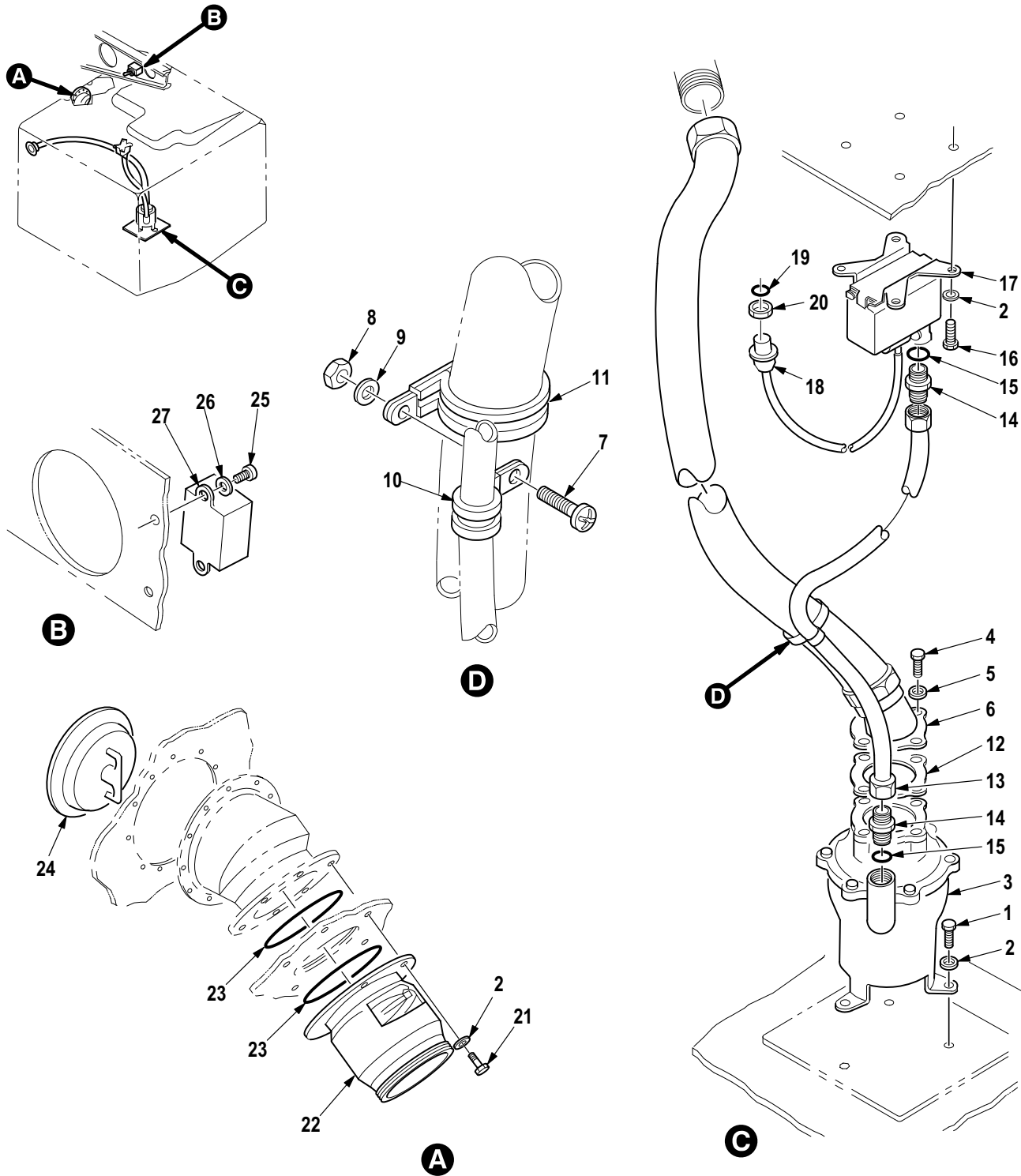
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 565 Refueling and Transfer Fuel System<br>(FS 176 to FS 230)<br>7-31 1642020 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....   | 12         |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 24         |
| 3                  | PAOZZ              | 02731       | 7-21 1642014-3     | • Valve, Fuel .....   | 1          |
| 4                  | PAOZZ              | 96906       | MS29513-235        | • O-Ring .....  | 2          |
| 5                  | PAOZZ              | 79326       | W701-16DE          | • Coupling Assembly, T .....  | 4          |
| 6                  | PAOZZ              | 96906       | MS29513-216        | • O-Ring .....  | 8          |
| 7                  | PAOZZ              | 02731       | 7-21 1642101       | • Restrictor, Fluid Fl .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-21 1642019-5     | • Connector, Fuelline .....   | 1          |
| 9                  | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....   | 7          |
| 10                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....   | 4          |
| 11                 | PAOZZ              | 02731       | 7-21 1642005-3     | • Fitting, Refuel, Line .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS27194-24         | • Gasket .....  | 1          |
| 13                 | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....   | 8          |
| 14                 | PAOOO              | 02731       | 7-31 1642001       | • Manifold, Fuel Servi (See Fig. 568 for Breakdown) .....   | 1          |
| 15                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 2          |
| 16                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 10         |
| 17                 | PAOZZ              | 80205       | NAS6603-3          | • Bolt, Shear .....   | 2          |
| 18                 | PAOZZ              | 02731       | 7-21 1642013       | • Bracket, Angle .....  | 1          |
| 19                 | PAOZZ              | 02731       | HS4218D32NB        | • Strap, Retaining .....  | 1          |
| 20                 | PAOZZ              | 02731       | 7-21 1642008       | • Hose Assembly, Nonme .....  | 1          |
| 21                 | PAOZZ              | 02731       | HS4724-16DE        | • Coupling, Clamp, Groo .....   | 1          |
| 22                 | PAOZZ              | 96906       | MS9021-214         | • O-Ring .....  | 2          |
| 23                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....   | 1          |
| 24                 | PAOZZ              | 99207       | R1307P015          | • O-Ring .....  | 4          |
| 25                 | PAOZZ              | 80205       | NAS6603-31         | • Bolt, Shear .....   | 4          |
| 26                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....  | 4          |
| 27                 | PAOZZ              | 02731       | 7-21 1642091       | • Fitting, Transfer, Va .....   | 1          |
| 28                 | PAOZZ              | 96906       | MS29513-123        | • Packing, Preforme .....   | 2          |
| 29                 | PAODD              | 02731       | 7-21 1642004       | • Valve, Shutoff, Fuel .....  | 1          |
| 30                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....   | 4          |
| 31                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....  | 4          |
| 32                 | PAOFF              | 02731       | 7-21 1642011-3     | • Bracket, Mounting .....   | 1          |
| 33                 | PAOFF              | 02731       | 7-21 1642011-5     | • Bracket Assy, Valve .....   | 1          |
| 34                 | PAFZZ              | 96906       | MS21076L4          | • Nut, Self-Locking, PI (U/O P/N 7-211642011-5) .....   | 1          |
| 35                 | PAFZZ              | 02731       | HS4153-02          | • Nut, Self-Locking, PI .....   | 2          |
| 36                 | PAOZZ              | 02731       | 7-21 1642009       | • Hose Assembly, Refue .....  | 1          |
| 36                 | PAOZZ              | 02731       | 7-21 1642009-3     | • Hose Assembly, Refue<br>Used With Under-Sized Fuel Cells .....  | 1          |
| 37                 | PAOZZ              | 02731       | 7-21 1642015-3     | • Valve, Breakway .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-396C

Figure 566. Group 10 Refueling and Transfer Fuel System (Air Valve and Fuel Pump)  
7-31 1642020

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 566 Refueling and Transfer Fuel System<br>(Air Valve and Fuel Pump)<br>7-31 1642020 |            |
| 1                  | MFOFF              | 02731       | 7-31 1642510       | • Tube Assy .....  | 1          |
| 2                  | MFOFF              | 02731       | 7-31 1642509       | • Tube Assy .....  | 1          |
| 3                  | MFFZZ              | 02731       | 7-31 1642509-3     | •• Tube (U/W P/N 7-311642509 Tube) .....   | 1          |
| 3                  | MFFZZ              | 02731       | 7-31 1642510-3     | •• Tube (U/W P/N 7-311642510 Tube) .....   | 1          |
| 4                  | PAFZZ              | 02731       | HS4519-8D          | •• Elbow, Tube to Boss .....   | 2          |
| 5                  | PAFZZ              | 96906       | MS21921-8D         | •• Nut, Tube Coupling .....  | 4          |
| 6                  | PAFZZ              | 96906       | MS21922-8          | •• Sleeve, Clinch, Tube .....  | 4          |
| 7                  | XDFZZ              | 02731       | HS4367-1           | •• Plate, Identificatio .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS1922-0075-1     | • Clamp, Hose .....  | 2          |
| 9                  | PAOZZ              | 02731       | 7-31 1642516       | • Hose, Nonmetallic .....  | 1          |
| 10                 | MFOFF              | 02731       | 7-31 1642513       | • Tube Assy .....  | 1          |
| 11                 | MFFZZ              | 02731       | 7-31 1642513-3     | •• Tube .....  | 1          |
| 12                 | PAFZZ              | 96906       | MS21921-8D         | •• Nut, Tube Coupling .....  | 2          |
| 13                 | PAFZZ              | 96906       | MS21922-8          | •• Sleeve, Clinch, Tube .....  | 2          |
| 14                 | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....   | 2          |
| 15                 | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....   | 2          |
| 16                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 3          |
| 17                 | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....   | 6          |
| 18                 | PAODD              | 02731       | 7-21 1642092       | • Valve, Fuel Transfer .....   | 1          |
| 19                 | PAOZZ              | 81352       | AN924-8D           | • Nut, Plain, Hexagon .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....   | 1          |
| 21                 | PAOZZ              | 96906       | MS21907D8          | • Elbow, Tube .....  | 2          |
| 22                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....   | 6          |
| 23                 | PAOZZ              | 81349       | M85052/1-7         | • Clamp, Loop .....  | 2          |
| 24                 | MFOFF              | 02731       | 7-31 1642512       | • Tube Assy .....  | 1          |
| 25                 | MFFZZ              | 02731       | 7-31 1642512-3     | •• Tube .....  | 1          |
| 26                 | PAFZZ              | 96906       | MS21921D4          | •• Nut, Tube Coupling .....  | 2          |
| 27                 | PAFZZ              | 96906       | MS21922-4          | •• Sleeve, Clinch, Tube .....  | 2          |
| 28                 | XDFZZ              | 02731       | HS4367-2           | •• Plate, Identificatio .....  | 1          |
| 29                 | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....  | 1          |
| 30                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....   | 1          |
| 31                 | PAOZZ              | 96906       | MS21908D4          | • Elbow, Tube .....  | 1          |
| 32                 | PAOZZ              | 02731       | 7-21 1642055       | • Tube Assembly, Metal .....   | 1          |
| 33                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....  | 1          |
| 34                 | PAOZZ              | 99207       | R1307P015          | • O-Ring .....   | 4          |
| 35                 | PAOZZ              | 02731       | 7-21 1642054       | • Connector, Fluid, Pum .....  | 1          |
| 36                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....  | 3          |
| 37                 | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....   | 3          |
| 38                 | PAODD              | 02731       | 7-21 1642052-9     | • Pump, Submerged, Airc .....  | 1          |
| 39                 | PAOOO              | 02731       | 7-21 1642053       | • Bracket Assembly, Pu .....   | 1          |
| 40                 | PAOZZ              | 96906       | MS21075-4          | •• Nut, Self-Locking, Pl .....   | 3          |
| 41                 | PAOZZ              | 96906       | MS21075-3          | •• Nut, Self-Locking, Pl .....   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |

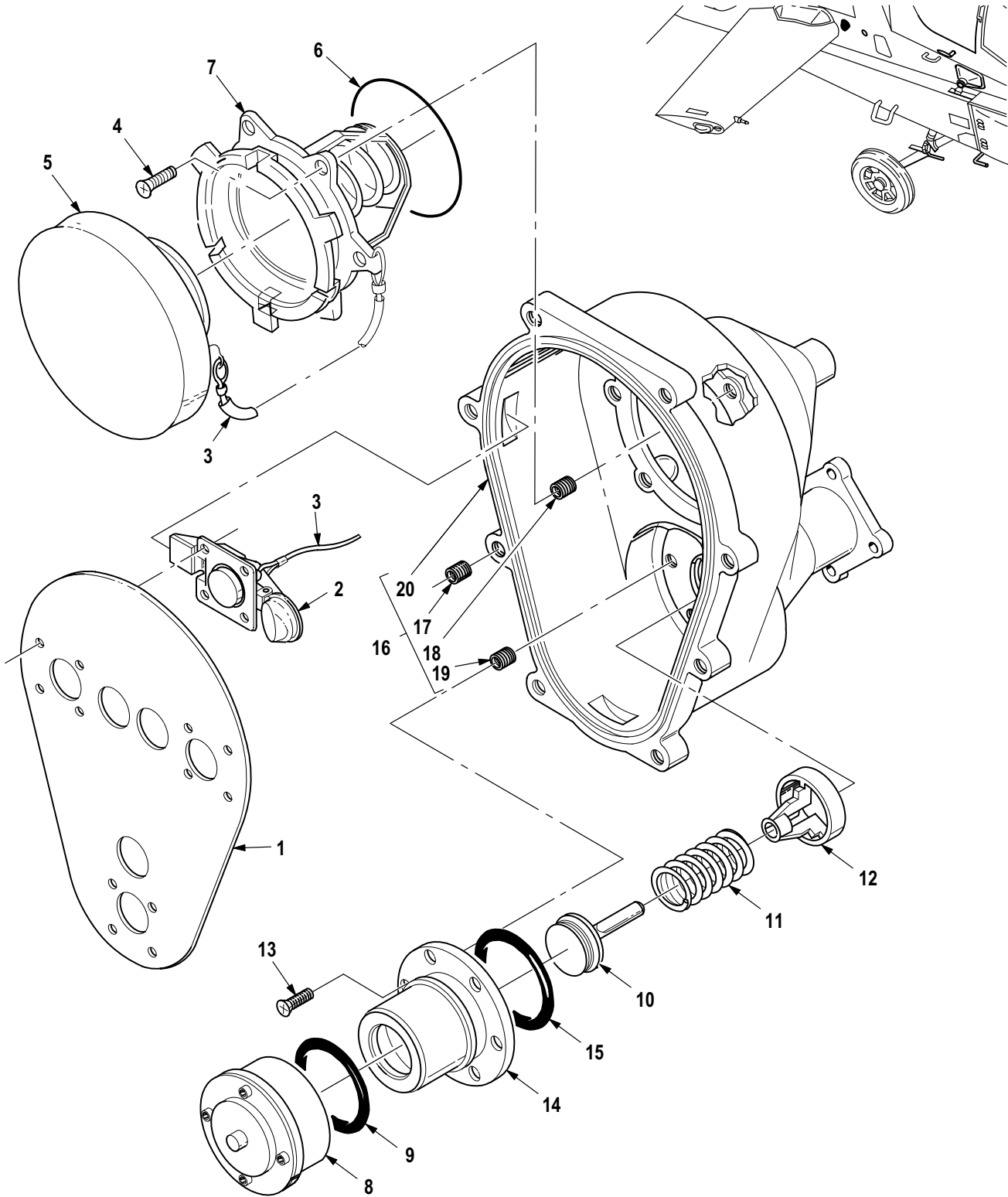


M09-635E

Figure 567. Group 10 Refueling and Transfer Fuel System (FS 230 to FS 280)  
7-31 1642020



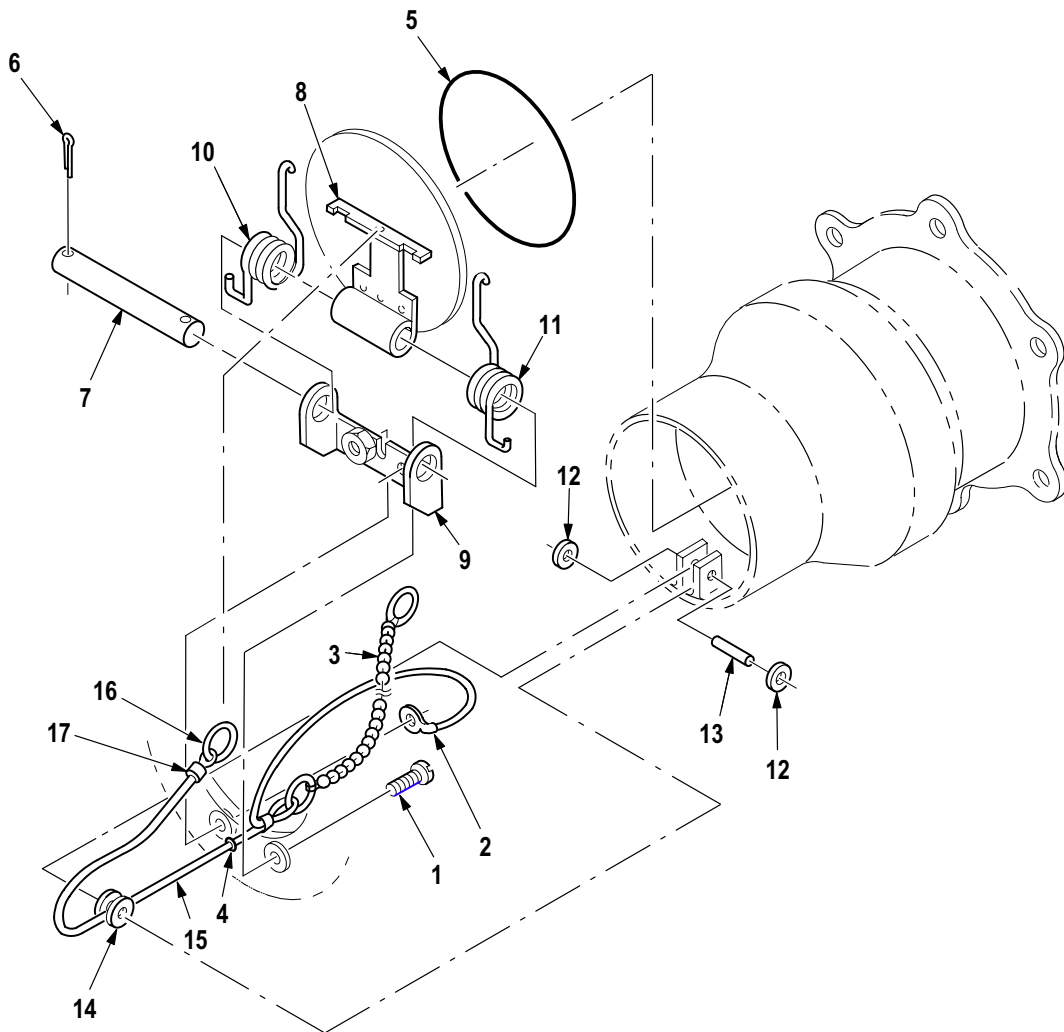
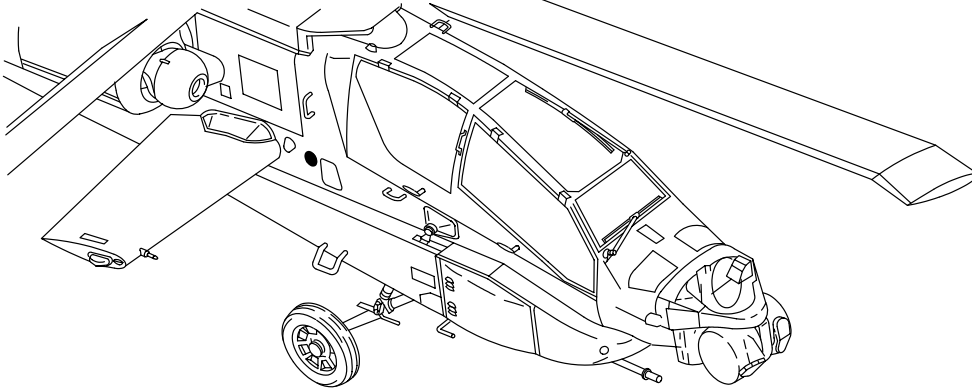
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 567 Refueling and Transfer Fuel System<br>(FS 230 to FS 280)<br>7-31 1642020 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....   | 4          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 13         |
| 3                  | PAODD              | 02731       | 7-21 1642002-9     | • Valve, Shutoff .....  | 1          |
| 4                  | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....   | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 4          |
| 6                  | PAOZZ              | 02731       | 7-21 1642007       | • Hose Assy, Refueling .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS51958-63         | • Screw, Machine .....  | 1          |
| 8                  | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....  | 1          |
| 10                 | XDOZZ              | 88044       | AN742H7            | • Clamp, Loop .....   | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WCF18       | • Clamp, Loop .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS27194-16         | • Gasket .....  | 1          |
| 13                 | PAOZZ              | 02731       | 7-1 17420010-9     | • Hose Assembly, Nonme .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....  | 2          |
| 15                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....  | 2          |
| 16                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear .....   | 4          |
| 17                 | PAOOO              | 02731       | 7-21 1642003-13    | • Valve, Solenoid .....   | 1          |
| 18                 | XAOOO              | 81349       | M83723-74A1002N    | •• Connector .....  | 1          |
| 19                 | PAOZZ              | 81349       | M25988/1-019       | ••• O-Ring .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS3186-A-106W      | ••• Nut, Plain, Hexagon .....   | 1          |
| 21                 | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....   | 6          |
| 22                 | PAOFF              | 02731       | 7-1 17420021-5     | • Valve, Fuel System (See Fig 569 for Breakdown) .....  | 2          |
| 23                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....  | 2          |
| 24                 | PAOZZ              | 02731       | 7-31 1642024-3     | • Cap Assembly, Fuel .....  | 1          |
| 25                 | PAOZZ              | 80205       | NAS601-6P          | • Screw, Machine .....  | 4          |
| 26                 | PAOZZ              | 80205       | NAS620-6L          | • Washer, Flat .....  | 2          |
| 27                 | PAOZZ              | 02731       | 7-31 1642111       | • Switch, Isolation .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-941C

Figure 568. Group 10 Manifold, Fuel Service  
7-31 1642001 (707600-3 (96124))

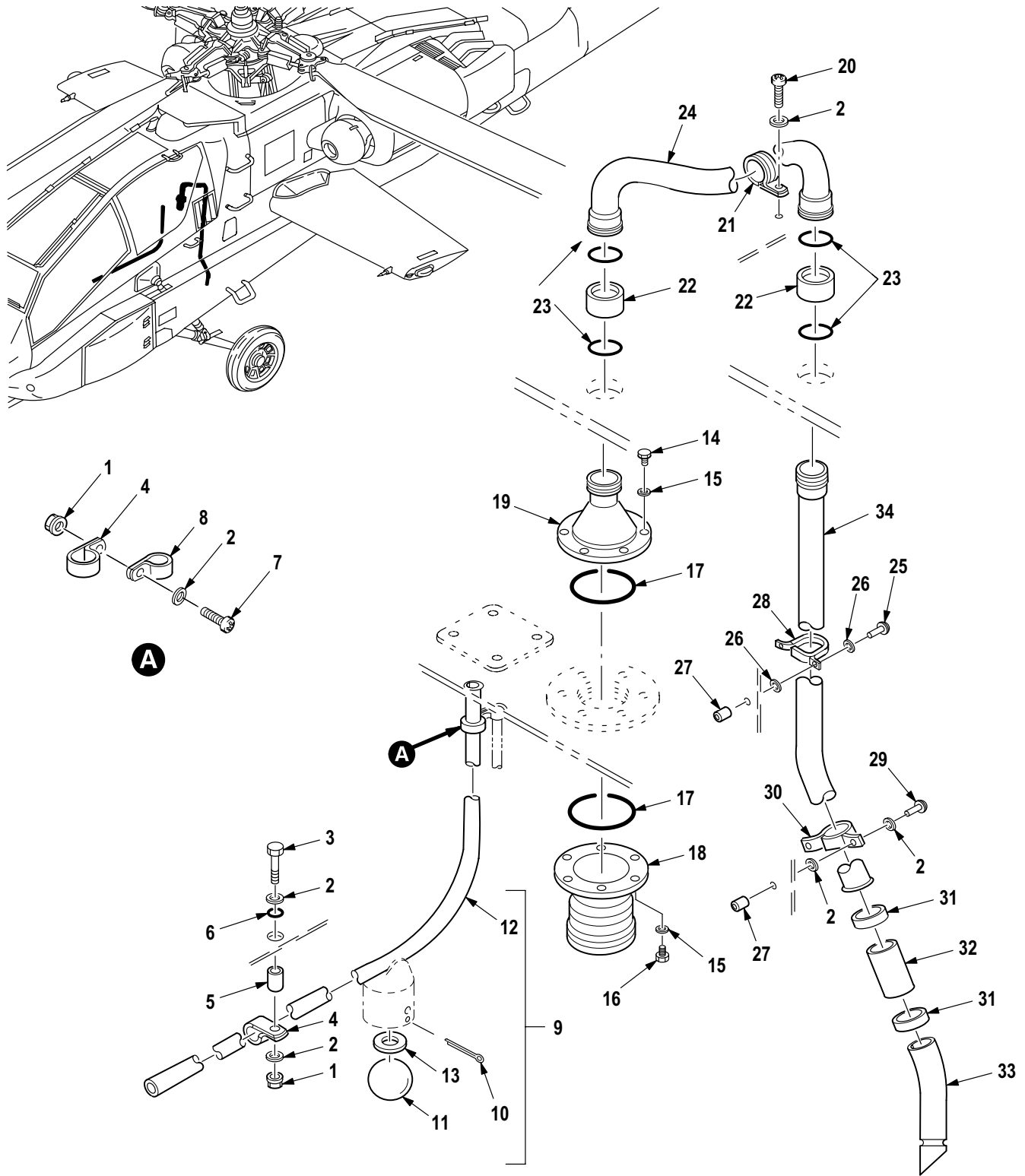
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 568 Manifold, Fuel Service<br>7-31 1642001 (707600-3 (96124))<br>See Fig. 565 for NHA |            |
| 1                  | PAOZZ              | 96124       | 707604-1           | • Cover, Manifold, Fuel .....  | 1          |
| 2                  | PAOZZ              | 83014       | H600K1528          | • Latch, Manifold, Fuel .....  | 3          |
| 3                  | PAOZZ              | 96124       | 744075             | • Wire Rope Assembly, .....  | 2          |
| 4                  | PAOZZ              | 96906       | MS24693C273        | • Screw, Machine .....   | 6          |
| 5                  | PAOZZ              | 96906       | MS29526-2          | • Cap, Filler Opening .....  | 1          |
| 6                  | PAOZZ              | 96124       | AS113-68-153       | • O-Ring .....   | 1          |
| 7                  | PAOZZ              | 96124       | 701500-2           | • Adapter, Pressure Fu .....   | 1          |
| 8                  | PAOOO              | 96124       | 707616-1           | • Cap Assy, Manifold .....   | 1          |
| 9                  | PAOZZ              | 96124       | AS113-29-133       | • O-Ring .....   | 1          |
| 10                 | PAOZZ              | 96124       | 707623-1           | • Poppet, Manifold .....   | 1          |
| 11                 | PAOZZ              | 96124       | 744015             | • Spring, Helical, Comp .....  | 1          |
| 12                 | PAOZZ              | 96124       | 744011-3           | • Spider, Refueling Mo .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS24693-C50        | • Screw, Machine .....   | 6          |
| 14                 | PAOZZ              | 96124       | 707606-1           | • Nipple, Fuel Manifol .....   | 1          |
| 15                 | PAOZZ              | 96124       | AS113-68-135       | • O-Ring .....   | 1          |
| 16                 | PAOOO              | 96124       | 707602-3           | • Housing Assembly, Ma .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1394-4L         | •• Insert, Screw Thread .....  | 8          |
| 18                 | PAOZZ              | 96906       | MS21209C0815       | •• Insert, Screw Thread .....  | 6          |
| 19                 | PAOZZ              | 96906       | MS21209F1-15       | •• Insert, Screw Thread .....  | 6          |
| 20                 | XAOZZ              | 96124       | 707602-103         | •• Housing .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1138B

Figure 569. Group 10 Valve, Fuel-Defuel  
7-117420021-5, (457-780-1 (99321))

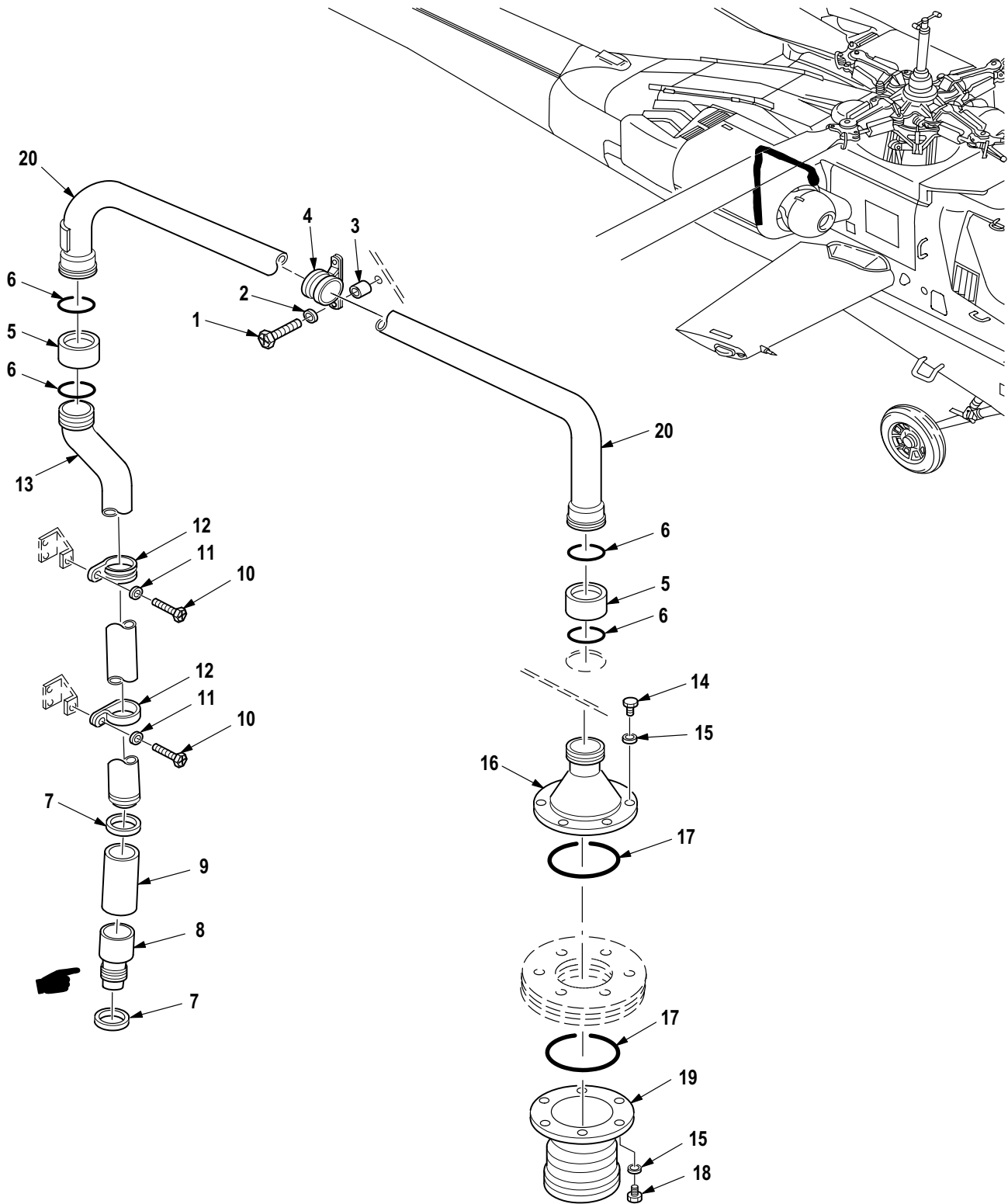
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 569 Valve, Fuel-Defuel<br>7-1 17420021-5, (457-780-1 (99321))<br>See Figs. 564 and 567 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35275-231        | • Screw, Machine .....  | 2          |
| 2                  | PAOZZ              | 99321       | 457-788            | • Grommet, Cable .....  | 1          |
| 3                  | PAOZZ              | 99321       | 417-126-13 1/2     | • Chain Assembly, Fuel .....  | 1          |
| 4                  | PAFZZ              | 96906       | MS29513-002        | • Packing, Preformed .....  | 1          |
| 5                  | PAOZZ              | 81349       | M25988/1-229       | • Packing, Preformed .....  | 1          |
| 6                  | PAFZZ              | 96906       | MS9245-25          | • Pin, Cotter .....   | 2          |
| 7                  | PAFZZ              | 99321       | 457-786            | • Spring, Helical, Tors .....   | 1          |
| 8                  | PAFZZ              | 99321       | 457-783            | • Flapper, Assembly, De .....   | 1          |
| 9                  | PAFZZ              | 99321       | 457-785            | • Flapper Support, Def .....  | 1          |
| 10                 | PAFZZ              | 99321       | 457-787-1          | • Spring, Cable Suppor .....  | 1          |
| 11                 | PAFZZ              | 99321       | 457-787-2          | • Spring, Cable Suppor .....  | 1          |
| 12                 | PAFZZ              | 10001       | 1225370-4          | • Ring, Retaining .....   | 2          |
| 13                 | PAFZZ              | 99321       | 457-318            | • Pulley, Flat .....  | 1          |
| 14                 | PAFZZ              | 99321       | 457-317            | • Pulley, Defuel Syste .....  | 1          |
| 15                 | PAFZZ              | 99321       | 457-789            | • Cable Assy, Defuel .....  | 1          |
| 16                 | PAFZZ              | 99321       | 417-128            | • Ring, Valve .....   | 1          |
| 17                 | PAFZZ              | 96906       | MS51844-60         | • Swaging Sleeve, Wire .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-405G

Figure 570. Group 10 Fuel Vent System (Forward Cell)  
7-31 1642050

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 570 Fuel Vent System (Forward Cell)<br>7-31 1642050 |            |
| 1                  | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....  | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 6          |
| 3                  | PAOZZ              | 80205       | NAS6703U17         | • Bolt, Shear .....  | 1          |
| 4                  | PAOZZ              | 88044       | AN742D10           | • Clamp, Loop .....  | 2          |
| 5                  | PAOZZ              | 80205       | NAS43DD3-56        | • Spacer, Sleeve .....   | 1          |
| 6                  | PAOZZ              | 80205       | NAS1523AA3R        | • Packing With Retain .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS27039C1-06       | • Screw, Machine .....   | 1          |
| 8                  | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop .....  | 1          |
| 9                  | PAOOO              | 02731       | 7-1 17420123       | • Tube, Vent, Fuel Cell .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS24665-292        | •• Pin, Cotter .....   | 1          |
| 11                 | XDOZZ              | 02731       | 7-1 17420123-9     | •• Ball .....  | 1          |
| 12                 | XDOZZ              | 02731       | 7-1 17420123-3     | •• Tube Assy .....   | 1          |
| 13                 | XAOZZ              | 80205       | NAS1523AA9R        | ••• Packing With Ret .....   | 1          |
| 14                 | PAOZZ              | 80205       | NAS6604H-1         | • Bolt, Shear .....  | 6          |
| 15                 | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....   | 12         |
| 16                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear .....  | 6          |
| 17                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....   | 2          |
| 18                 | PAOZZ              | 02731       | 7-31 1642402-3     | • Valve, Relief, Pressu .....  | 1          |
| 19                 | PAOZZ              | 02731       | 7-31 1642027-3     | • Adapter, Fuel Cell, V .....  | 1          |
| 20                 | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....   | 2          |
| 21                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop .....  | 1          |
| 22                 | PAOZZ              | 02731       | HS4724-24DE        | • Coupling, Clamp, Groo .....  | 2          |
| 23                 | PAOZZ              | 96906       | MS29513-222        | • O-Ring .....   | 4          |
| 24                 | PAOZZ              | 02731       | 7-21 1642097-7     | • Tube Assembly, Metal .....   | 1          |
| 25                 | PAOZZ              | 80205       | NAS1403-4          | • Screw, Machine .....   | 2          |
| 26                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....   | 4          |
| 27                 | PAOZZ              | 80205       | NAS43DD3-1 1       | • Spacer, Sleeve .....   | 2          |
| 28                 | PAOZZ              | 02731       | HS4181A24          | • Clamp, Loop .....  | 1          |
| 29                 | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....   | 2          |
| 30                 | PAOZZ              | 02731       | HS4181A24N         | • Clamp, Loop .....  | 2          |
| 31                 | PAOZZ              | 66295       | WWD48-58H          | • Clamp, Hose .....  | 4          |
| 32                 | PAOZZ              | 14711       | 47A111-1.50-1 1    | • Hose, Nonmetallic .....  | 1          |
| 33                 | PAOZZ              | 02731       | 7-31 1642102-13    | • Arrestor, Fuel Vent .....  | 1          |
| 34                 | PAOZZ              | 02731       | 7-31 1642103       | • Tube Assembly, Metal .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

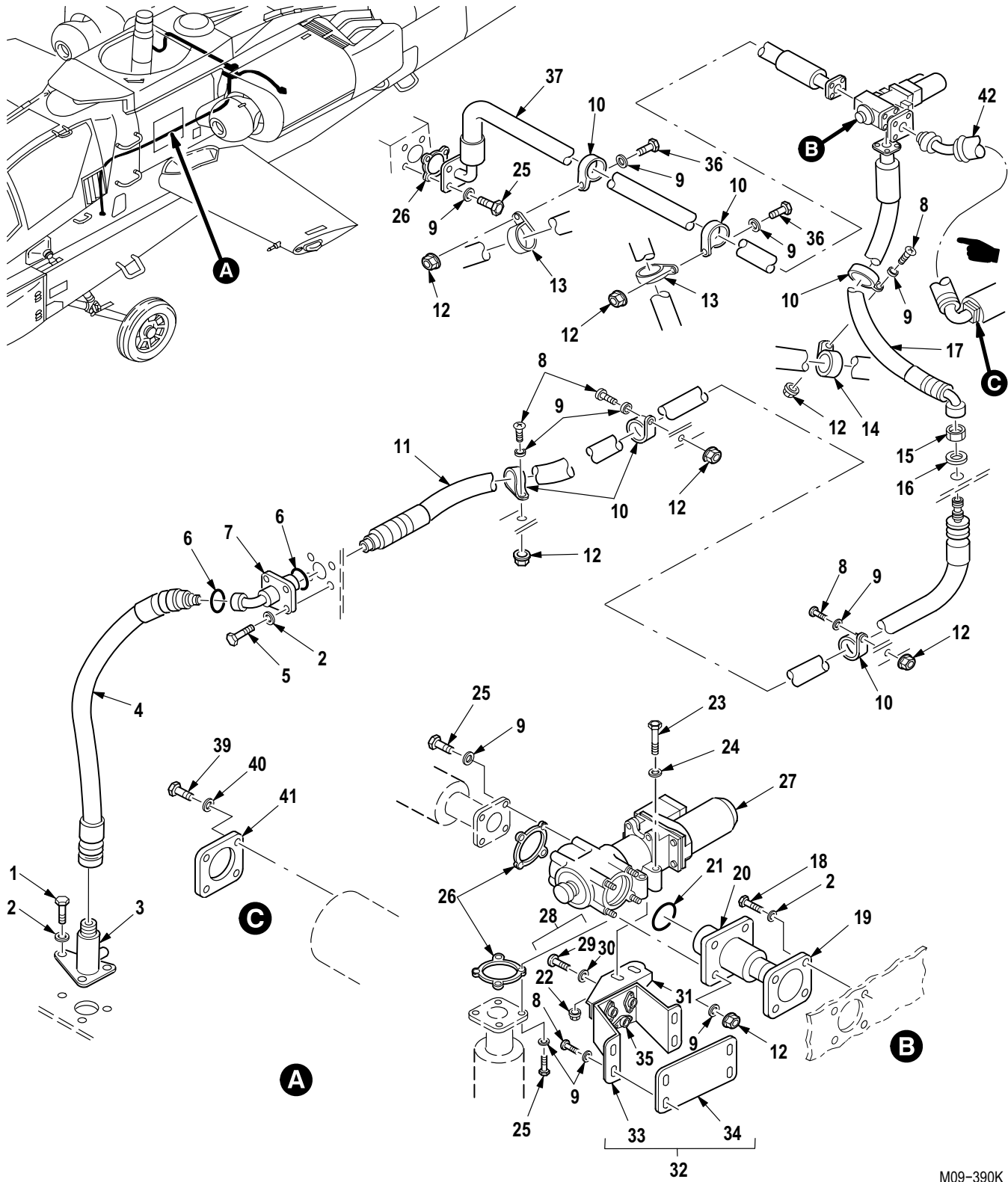


M09-406F

Figure 571. Group 10 Fuel Vent System (AFT Cell)  
7-31 1642050



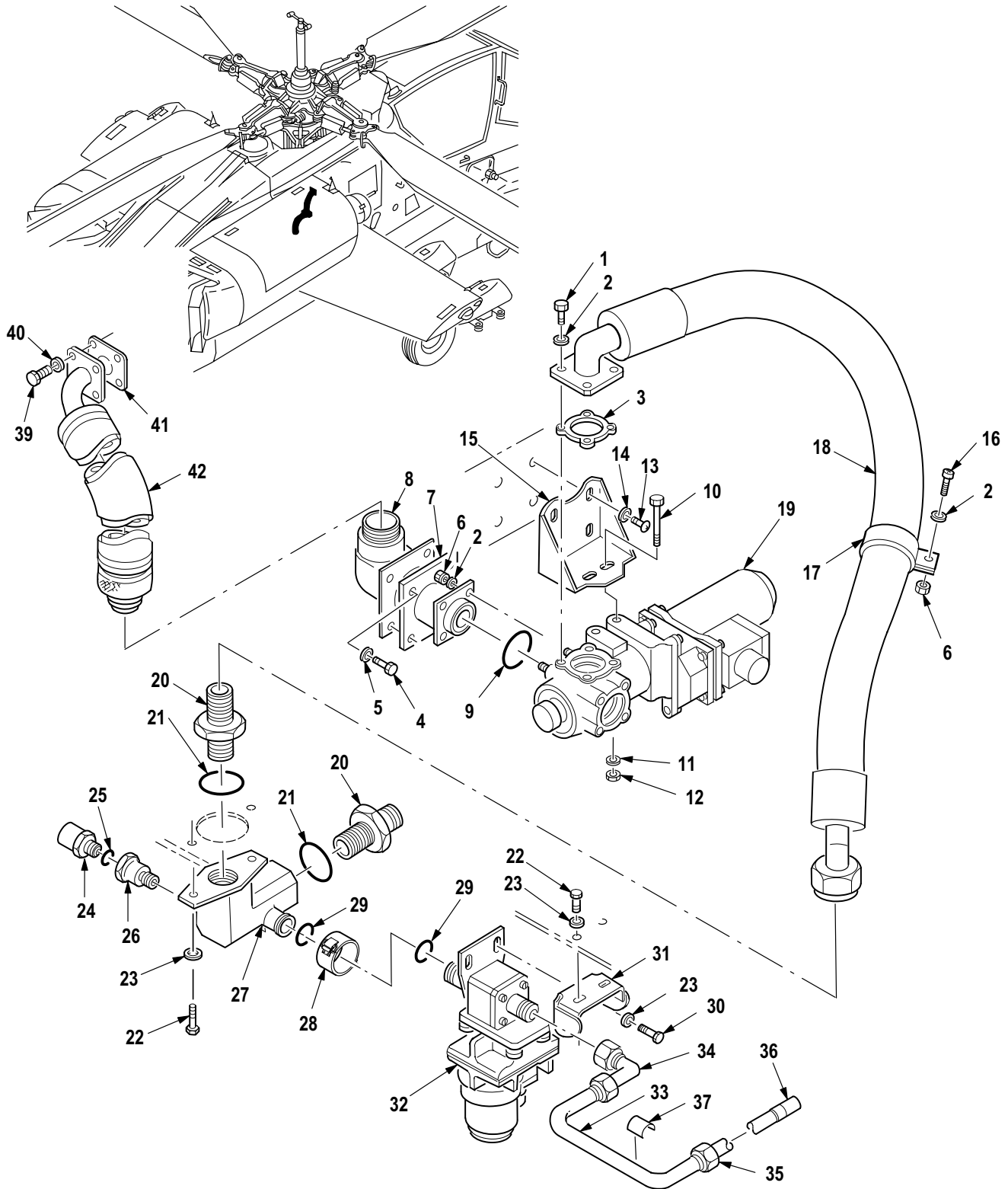
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 571 Fuel Vent System (AFT Cell)<br>7-31 1642050 |            |
| 1                  | PAOZZ              | 80205       | NAS1096-3-18       | • Screw, Machine .....   | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 2          |
| 3                  | PAOZZ              | 80205       | NAS43DD3-42        | • Spacer, Sleeve .....   | 2          |
| 4                  | PAOZZ              | 02731       | HS4181A24N         | • Clamp, Loop .....  | 2          |
| 5                  | PAOZZ              | 02731       | HS4724-24DE        | • Coupling, Clamp, Groo .....  | 2          |
| 6                  | PAOZZ              | 96906       | MS29513-222        | • O-Ring .....   | 4          |
| 7                  | PAOZZ              | 66295       | WWD48-58H          | • Clamp, Hose .....  | 2          |
| 8                  | PAOZZ              | 02731       | 7-21 1642029       | • Arrestor, Fuel Vent .....  | 1          |
| 9                  | PAOZZ              | 02731       | 7-21 1642028       | • Hose, Fuel Vent Syst .....   | 1          |
| 10                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....   | 2          |
| 11                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop .....  | 1          |
| 13                 | PAOZZ              | 02731       | 7-31 1642508       | • Tube Assembly, Metal .....   | 1          |
| 14                 | PAOZZ              | 80205       | NAS6604H-1         | • Bolt, Shear .....  | 6          |
| 15                 | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....   | 12         |
| 16                 | PAOZZ              | 02731       | 7-31 1642027-5     | • Adapter, Fuel Cell, V .....  | 1          |
| 17                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....   | 2          |
| 18                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear .....  | 6          |
| 19                 | PAOZZ              | 02731       | 7-31 1642402-5     | • Valve, Relief, Pressu .....  | 1          |
| 20                 | PAOZZ              | 02731       | 7-31 1642507       | • Tube Assembly, Metal .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-390K

Figure 572. Group 10 Engine Fuel Supply Installation (FS 172 to FS 222)  
7-31 1642070

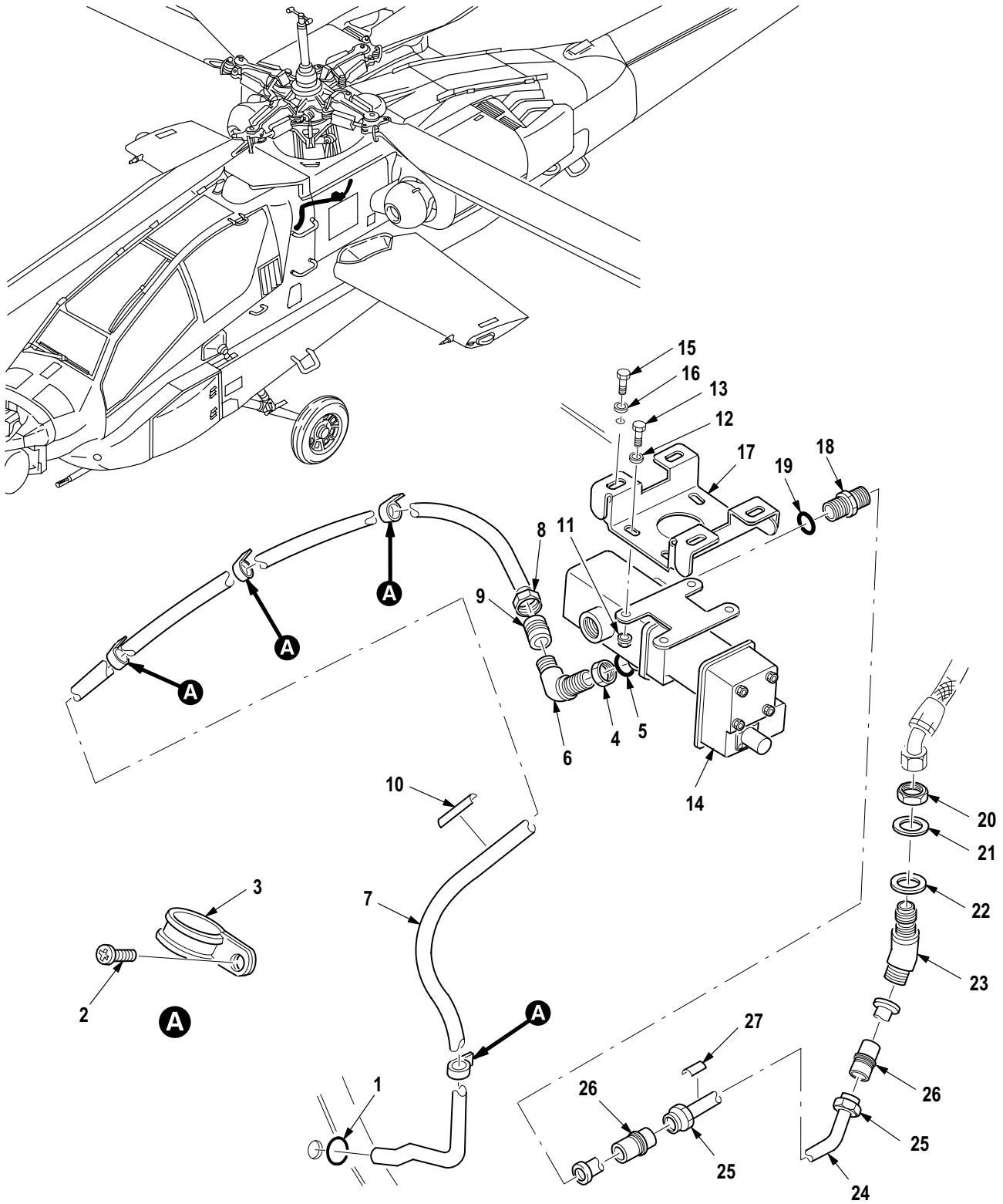
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 572 Engine Fuel Supply Installation<br>(FS 172 to FS 222)<br>7-31 1642070 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....  | 3          |
| 2                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....   | 28         |
| 3                  | PAOZZ              | 02731       | 7-21 1642032       | • Valve, Relief, Pressu .....  | 1          |
| 4                  | PAOZZ              | 02731       | 7-31 1642021       | • Hose Assembly, Nonme .....   | 1          |
| 5                  | PAOZZ              | 80205       | NAS6604-1          | • Bolt, Shear .....  | 14         |
| 6                  | PAOZZ              | 96906       | MS29513-226        | • O-Ring .....   | 1          |
| 7                  | PAOZZ              | 02731       | 7-21 1642042-3     | • Coupling Half, Self- .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS7703-4          | • Screw, Machine .....   | 9          |
| 9                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....   | 40         |
| 10                 | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....  | 6          |
| 11                 | PAOZZ              | 02731       | 7-21 1642034       | • Hose Assembly, Nonme .....   | 1          |
| 12                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 10         |
| 13                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop .....  | 2          |
| 14                 | PAOZZ              | 96906       | MS21919WDF25       | • Clamp, Loop .....  | 4          |
| 15                 | PAOZZ              | 88044       | AN924-12D          | • Nut, Plain, Hexagon .....  | 1          |
| 16                 | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....   | 1          |
| 17                 | PAOZZ              | 02731       | 7-21 1642023-7     | • Hose Assembly, Nonme .....   | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604-4          | • Bolt, Shear .....  | 3          |
| 19                 | MFFZZ              | 02731       | 7-1 17420064       | • Gasket .....   | 1          |
| 20                 | PAOZZ              | 02731       | 7-21 1642041-3     | • Valve, Fuel Subsyse .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....   | 1          |
| 22                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....  | 2          |
| 23                 | PAOZZ              | 80205       | NAS6604-19         | • Bolt, Shear .....  | 4          |
| 24                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....   | 4          |
| 25                 | PAOZZ              | 80205       | NAS6603-5          | • Bolt, Shear .....  | 12         |
| 26                 | PAOZZ              | 96906       | MS27194-12-16      | • Gasket .....   | 4          |
| 27                 | PAODD              | 02731       | 7-31 1642045       | • Actuator, Electro-Me .....   | 1          |
| 27                 | PAODD              | 02731       | 7-31 1642045-3     | • Valve Assembly<br>A/C With MWO 1-1520-238-50-40 Incorporated .....                                   | 1          |
| 28                 | PAOFF              | 02731       | 7-21 1642051       | • Support Assy, Valve .....  | 1          |
| 29                 | PAFZZ              | 80205       | NAS1403-3          | • Screw, Machine .....   | 3          |
| 30                 | PAFZZ              | 02731       | HS306-323H         | • Washer, Flat .....   | 3          |
| 31                 | XDFZZ              | 02731       | 7-21 1642094       | • Angle-Valve Sprt LH .....  | 1          |
| 32                 | XAFFZ              | 02731       | 7-21 1642093       | • Bracket Assy, Valve .....  | 1          |
| 33                 | XDFZZ              | 02731       | 7-21 1642093-3     | • Bracket .....  | 1          |
| 34                 | XDFZZ              | 02731       | 7-21 1642093-5     | • Base .....   | 1          |
| 35                 | PAFZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....  | 3          |
| 36                 | PAOZZ              | 80205       | NAS6603-3          | • Bolt, Shear .....  | 2          |
| 37                 | PAOZZ              | 02731       | 7-21 1642039       | • Hose Assembly, Nonme .....   | 1          |
| 38                 | XCOOO              | 02731       | 7-31 1642040-3     | System Instl, Eng LH (Not Illustrated-Installation Drawing)  | 1          |
| 39                 | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....   | 4          |
| 40                 | PAOZZ              | 88044       | AN960D10           | • Washer, Flat .....   | 4          |
| 41                 | PAOZZ              | 96906       | MS27194-12         | • Gasket .....   | 1          |
| 42                 | PAOZZ              | 02731       | 7-31 1642038-3     | • Hose Assembly, Nonme .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-391F

Figure 573. Group 10 Engine Fuel Supply Installation (FS 222 to FS 225)  
7-31 1642070

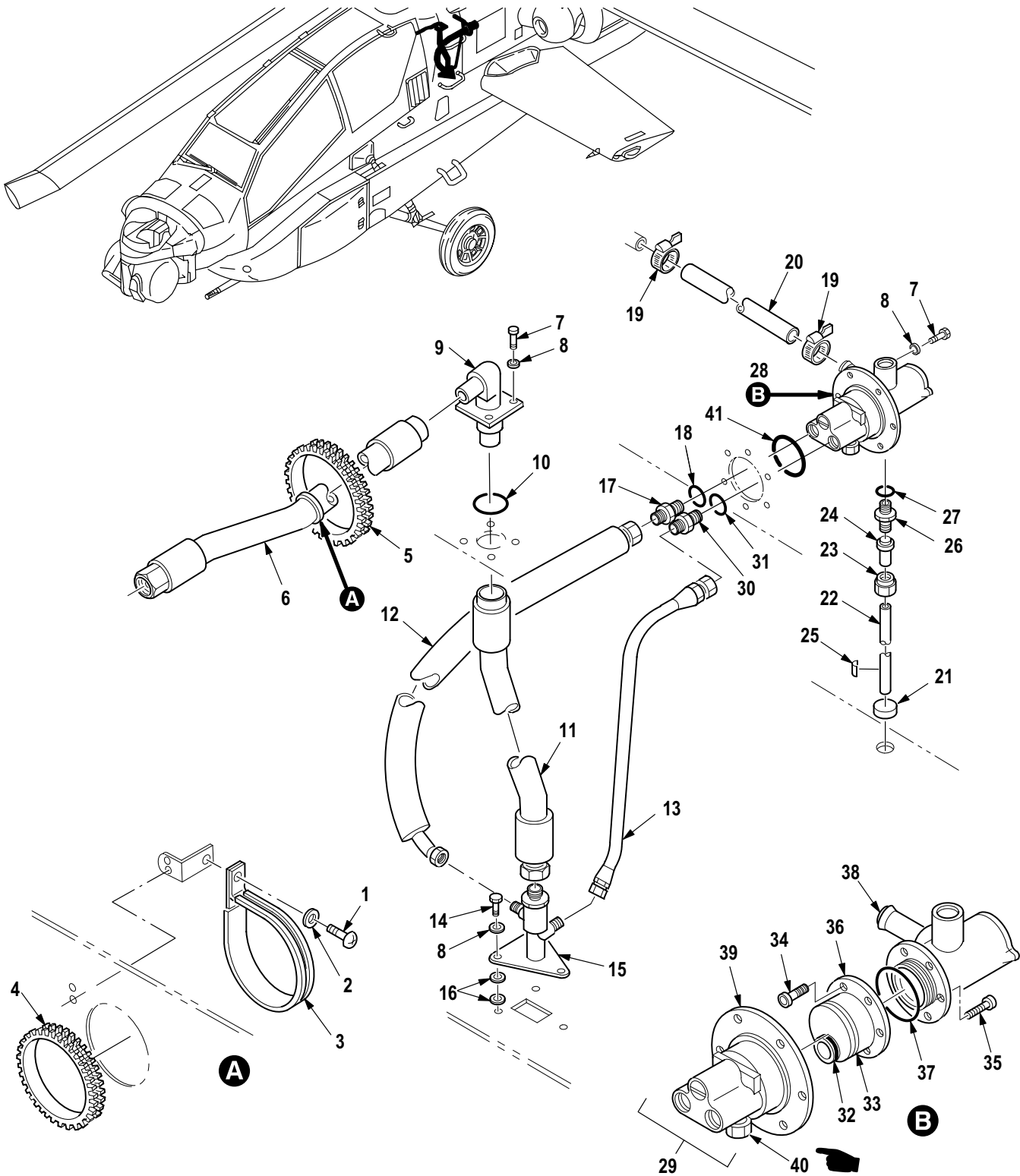
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 573 Engine Fuel Supply Installation<br>(FS 222 to FS 225)<br>7-31 1642070 |            |
| 1                  | PAOZZ              | 80205       | NAS6603-5          | • Bolt, Shear .....  | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....   | 40         |
| 3                  | PAOZZ              | 96906       | MS27194-12-16      | • Gasket .....   | 4          |
| 4                  | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....  | 4          |
| 5                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....   | 28         |
| 6                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 5          |
| 7                  | MFFZZ              | 02731       | 7-1 17420064       | • Gasket .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-21 1642044-3     | • Valve, Breakaway .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....   | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604-19         | • Bolt, Shear .....  | 4          |
| 11                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....  | 6          |
| 13                 | PAOZZ              | 02731       | HS4179-3-4         | • Screw, Machine .....   | 4          |
| 14                 | PAOZZ              | 02731       | HS306-323H         | • Washer, Flat .....   | 4          |
| 15                 | PAOZZ              | 02731       | 7-21 1642095       | • Bracket, Fuel Subsys .....   | 1          |
| 16                 | PAOZZ              | 80205       | NAS7703-4          | • Screw, Machine .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....  | 1          |
| 18                 | PAOZZ              | 02731       | 7-21 1642024       | • Hose Assembly, Nonme .....   | 1          |
| 19                 | PAODD              | 02731       | 7-31 1642045       | • Actuator, Electro-Me .....   | 1          |
| 19                 | PAODD              | 02731       | 7-31 1642045-3     | • Valve Assembly<br>A/C With MWO 1-1520-238-50-40 Incorporated .....                                   | 1          |
| 20                 | PAOZZ              | 96906       | MS21902D12         | • Nipple, Boss .....   | 2          |
| 21                 | PAOZZ              | 96906       | MS29512-12         | • O-Ring .....   | 2          |
| 22                 | PAOZZ              | 80205       | NAS6604-2          | • Bolt, Shear .....  | 8          |
| 23                 | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....   | 18         |
| 24                 | PAOZZ              | 02731       | 7-31 1642074       | • Switch, Pressure .....   | 1          |
| 25                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....   | 3          |
| 26                 | PAOZZ              | 02731       | 7-31 1642526       | • Adapter, Straight, Tu .....  | 1          |
| 27                 | PAOZZ              | 02731       | 7-31 1642047       | • Elbow, Fuel Supply .....   | 1          |
| 28                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....  | 1          |
| 29                 | PAOZZ              | 99207       | R1307P015          | • O-Ring .....   | 2          |
| 30                 | PAOZZ              | 80205       | NAS6604-3          | • Bolt, Shear .....  | 2          |
| 31                 | PAOZZ              | 02731       | 7-21 1642061       | • Bracket, Valve .....   | 1          |
| 32                 | PAODD              | 02731       | 7-21 1642059       | • Valve, Solenoid .....  | 2          |
| 33                 | MFOFF              | 02731       | 7-31 1642501       | • Tube Assembly, Metal .....   | 1          |
| 34                 | PAFZZ              | 02731       | HS4519-6D          | • Elbow, Tube .....  | 1          |
| 35                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....   | 1          |
| 36                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....   | 1          |
| 37                 | XDOZZ              | 8V613       | HS184-41           | • Identification Tape .....  | 1          |
| 38                 | XCOOO              | 02731       | 7-31 1642040-5     | System Instl, Eng RH<br>(Not Illustrated-Installation Drawing) .....                                   | 1          |
| 39                 | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....   | 4          |
| 40                 | PAOZZ              | 88044       | AN960D10           | • Washer, Flat .....   | 4          |
| 41                 | PAOZZ              | 96906       | MS27194-12         | • Gasket .....   | 1          |
| 42                 | PAOZZ              | 02731       | 7-21 1642037       | • Hose Assembly, Nonme .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-392C

Figure 574. Group 10 Engine Fuel Supply Installation (FS 230) RH  
7-31 1642070

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 574 Engine Fuel Supply Installation<br>(FS 230) RH<br>7-31 1642070 |            |
| 1                  | PAOZZ              | 96906       | MS35489-6          | • Grommet, Nonmetallic .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS6603-1          | • Bolt, Shear .....   | 4          |
| 3                  | PAOZZ              | 96906       | MS21919WDF4        | • Clamp, Loop .....   | 4          |
| 4                  | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS21907D4          | • Elbow, Tube .....   | 1          |
| 7                  | MFOFF              | 02731       | 7-31 1642511       | • Tube Assy .....   | 1          |
| 8                  | PAFZZ              | 96906       | MS21921D4          | • • Nut, Tube Coupling .....  | 2          |
| 9                  | PAFZZ              | 96906       | MS21922-4          | • • Sleeve, Clinch, Tube .....  | 1          |
| 10                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....  | 1          |
| 11                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 4          |
| 12                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....  | 40         |
| 13                 | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....   | 4          |
| 14                 | PAODD              | 02731       | 7-21 1642062-9     | • Pump, Fuel Booster, A .....   | 1          |
| 15                 | PAOZZ              | 80205       | NAS6604-2          | • Bolt, Shear .....   | 8          |
| 16                 | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....  | 18         |
| 17                 | PAOZZ              | 02731       | 7-21 1642063       | • Bracket, Pump .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....  | 1          |
| 19                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....  | 1          |
| 20                 | PAOZZ              | 81343       | AS5178J06          | • Nut, Fitting, Bulkhea .....   | 1          |
| 21                 | PAOZZ              | 80205       | NAS1523AA9F        | • Packing With Retain .....   | 1          |
| 22                 | PAOZZ              | 88044       | NAS1149D1790J      | • Washer, Flat .....  | V          |
| 23                 | PAOZZ              | 96906       | MS21907J6          | • Elbow, Tube .....   | 1          |
| 24                 | MFOFF              | 02731       | 7-31 1642502       | • Tube Assembly, Metal .....  | 1          |
| 25                 | PAFZZ              | 96906       | MS21921-6D         | • • Nut, Tube Coupling .....  | 2          |
| 26                 | PAFZZ              | 96906       | MS21922-6          | • • Sleeve, Clinch, Tube .....  | 2          |
| 27                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

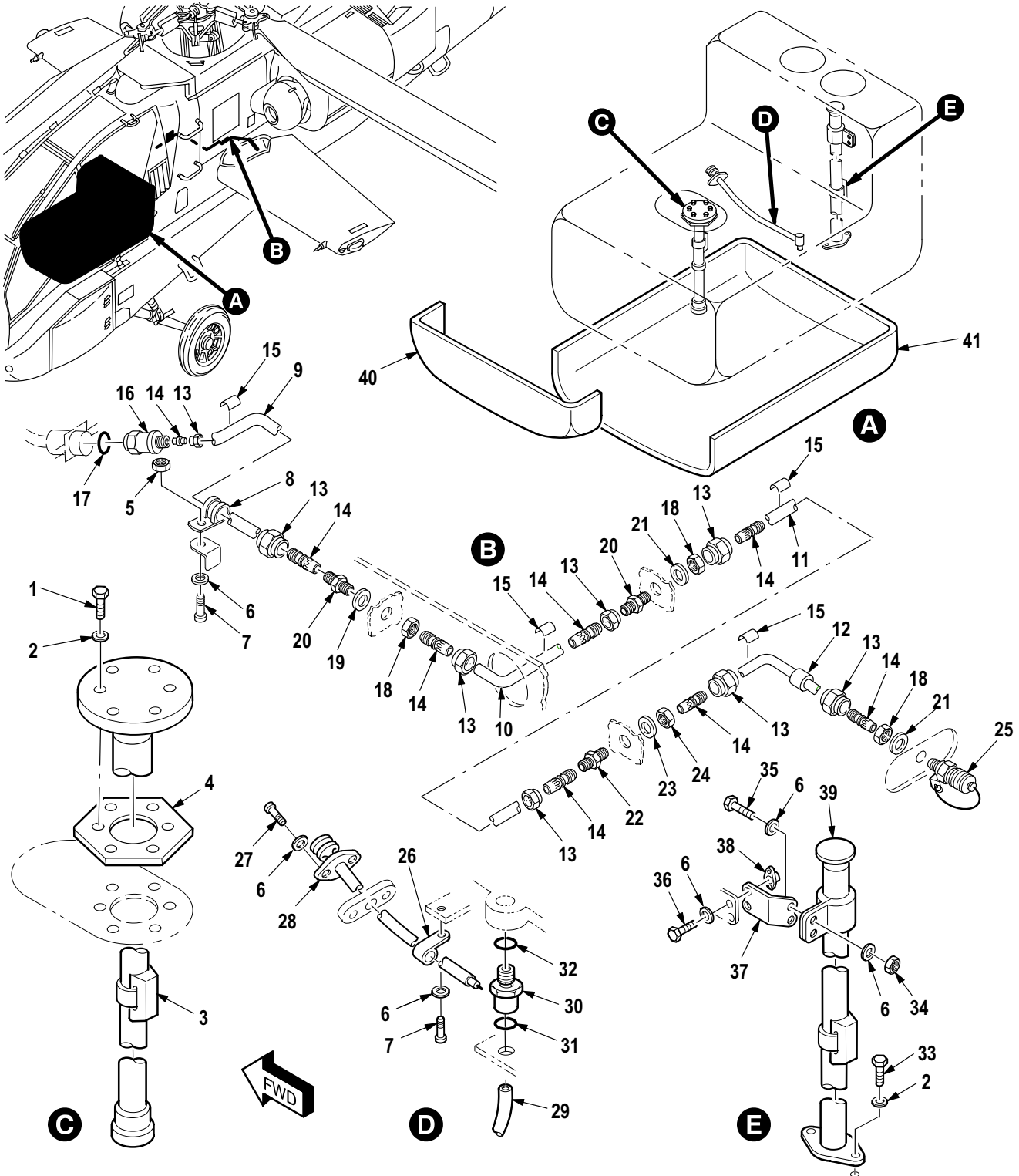


M09-393G

Figure 575. Group 10 Engine Fuel Supply Installation (FS 230 to FS 280)  
7-31 1642070



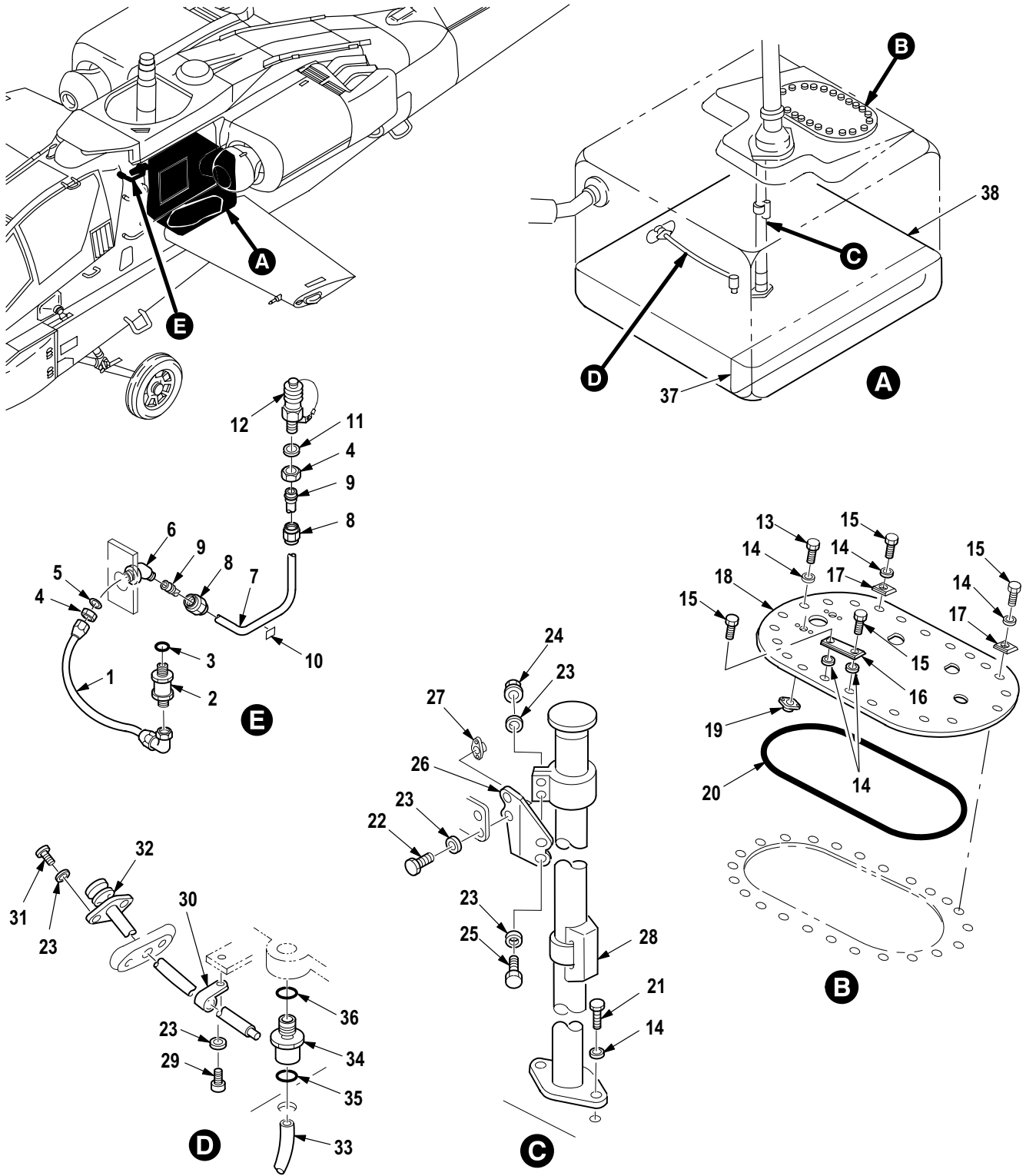
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 575 Engine Fuel Supply Installation<br>(FS 230 to FS 280)<br>7-31 1642070 |            |
| 1                  | PAOZZ              | 80205       | NAS7703-4          | • Screw, Machine .....   | 9          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....   | 40         |
| 3                  | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....  | 1          |
| 4                  | PAOZZ              | 96906       | MS21266-1T         | • Grommet, Nonmetallic .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS21266-2T         | • Grommet, Nonmetallic .....   | 1          |
| 6                  | PAOZZ              | 02731       | 7-21 1642022       | • Hose Assembly, Nonme .....   | 1          |
| 7                  | PAOZZ              | 80205       | NAS6604-1          | • Bolt, Shear .....  | 14         |
| 8                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....   | 28         |
| 9                  | PAOZZ              | 02731       | 7-21 1642043-3     | • Valve, Breakaway, Fu .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS29513-226        | • O-Ring .....   | 1          |
| 11                 | PAOZZ              | 02731       | 7-31 1642036       | • Hose Assembly, Nonme .....   | 1          |
| 12                 | PAOZZ              | 02731       | 7-31 1642035       | • Hose Assembly, Nonme .....   | 1          |
| 13                 | PAOZZ              | 02731       | 7-21 1642046       | • Hose Assembly, Nonme .....   | 1          |
| 14                 | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....  | 3          |
| 15                 | PAOZZ              | 02731       | 7-21 1642033       | • Valve, Check .....   | 1          |
| 16                 | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....   | 18         |
| 17                 | PAOZZ              | 96906       | MS21902D8          | • Nipple, Boss .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....   | 1          |
| 19                 | PAOZZ              | 66295       | AN737TW30          | • Clamp, Hose .....  | 2          |
| 20                 | PAOZZ              | 02731       | 7-1 17420078       | • Hose, Nonmetallic .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS35489-7          | • Grommet, Nonmetallic .....   | 1          |
| 22                 | MFOFF              | 02731       | 7-31 1642505       | • Tube Assembly, Metal .....   | 1          |
| 23                 | PAFZZ              | 96906       | MS21921D4          | • Nut, Tube Coupling .....   | 1          |
| 24                 | PAFZZ              | 96906       | MS21922-4          | • Sleeve, Clinch, Tube .....   | 1          |
| 25                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio .....   | 1          |
| 26                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....   | 1          |
| 27                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....   | 1          |
| 28                 | PAOOO              | 02731       | 7-21 1642078-1 1   | • Pump, Fuel Booster, E .....  | 1          |
| 29                 | XDOOO              | 33654       | 15321              | • Pump, Fuel Bstr Assy .....   | 1          |
| 30                 | PAOZZ              | 33654       | 15402              | • Fitting, Inlet Scree .....   | 1          |
| 31                 | PAOZZ              | 81349       | M83248/1-908       | • O-Ring .....   | 1          |
| 32                 | PAOZZ              | 81349       | M83248/1-018       | • Packing, Preformed .....   | 1          |
| 33                 | PAOZZ              | 81349       | M83248/1-034       | • O-Ring .....   | 1          |
| 34                 | PAOZZ              | 96906       | MS16995-17         | • Screw, Cap, Socket He .....  | 6          |
| 35                 | PAOZZ              | 80205       | NAS1352C06-10      | • Screw, Cap, Socket He .....  | 6          |
| 36                 | PAOZZ              | 33654       | 15322              | • Pump, Fuel, Metering .....   | 1          |
| 37                 | PAOZZ              | 81349       | M83248/1-032       | • O-Ring .....   | 1          |
| 38                 | PAOZZ              | 33654       | 15384              | • Motor Assembly, Pump .....   | 1          |
| 39                 | PAOOO              | 33654       | 15369              | • Canister Assembly, P .....   | 1          |
| 40                 | PAOZZ              | 33654       | 14877              | • Valve Assembly, Ther .....   | 1          |
| 41                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-400D

Figure 576. Group 10 Fuel Subsystem Installation (Forward Fuel Cell)  
7-31 1642100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 576 Fuel Subsystem Installation<br>(Forward Fuel Cell)<br>7-31 1642100 |            |
| 1                  | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....   | 6          |
| 2                  | PAOZZ              | 02731       | HS306-325          | • Washer, Flat .....  | 6          |
| 3                  | PAOZZ              | 02731       | 7-21 1642075       | • Transmitter, Liquid .....   | 1          |
| 4                  | PAOZZ              | 96906       | MS27194-40         | • Gasket .....  | 1          |
| 5                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 1          |
| 6                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 10         |
| 7                  | PAOZZ              | 80205       | NAS7703-1          | • Screw, Machine .....  | 3          |
| 8                  | XDOZZ              | 96906       | MS21919WDF8        | • Clamp, Loop .....   | 1          |
| 9                  | PAOZZ              | 02731       | 7-31 1642525       | • Tube Assembly, Metal .....  | 1          |
| 10                 | PAOZZ              | 02731       | 7-31 1642504       | • Tube Assembly, Metal .....  | 1          |
| 11                 | XDOZZ              | 02731       | 7-31 1642522       | • Tube Assy .....   | 1          |
| 12                 | PAOZZ              | 02731       | 7-31 1642523       | • Tube Assembly, Metal .....  | 1          |
| 13                 | XDOZZ              | 96906       | MS21921-8D         | • Nut, Tube Coupling .....  | 8          |
| 14                 | XDOZZ              | 96906       | MS21922-8          | • Sleeve, Clinch, Tube .....  | 8          |
| 15                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-31 1642163       | • Valve, Check .....  | 2          |
| 17                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....  | 2          |
| 18                 | PAOZZ              | 81352       | AN924-8D           | • Nut, Plain, Hexagon .....   | 4          |
| 19                 | PAOZZ              | 88044       | AN960PD1216L       | • Washer, Flat .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS21924D8          | • Adapter, Straight, Tu .....   | 2          |
| 21                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....  | 4          |
| 22                 | PAOZZ              | 96906       | MS21924J8          | • Adapter, Straight, Tu .....   | 1          |
| 23                 | PAOZZ              | 96906       | AN960C1216L        | • Washer, Flat .....  | 2          |
| 24                 | PAOZZ              | 88044       | AN924-8J           | • Nut, Plain, Hexagon .....   | 2          |
| 25                 | PAOZZ              | 02731       | 7-31 1642169-5     | • Coupling, Fuel Subsy .....  | 2          |
| 26                 | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop .....   | 2          |
| 27                 | PAOZZ              | 80205       | NAS7703-3          | • Screw, Close Toleran .....  | 4          |
| 28                 | PAOZZ              | 02731       | 7-1 17420027       | • Control Assembly .....  | 2          |
| 29                 | PAOZZ              | 02731       | 7-1 17420110       | • Hose, Nonmetallic .....   | 2          |
| 30                 | PAOOO              | 02731       | 7-1 17420026       | • Cock, Poppet Drain .....  | 2          |
| 31                 | PAOZZ              | 81349       | M83248/1-009       | • O-Ring .....  | 2          |
| 32                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....  | 2          |
| 33                 | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....   | 4          |
| 34                 | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....   | 4          |
| 35                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....   | 2          |
| 36                 | PAOZZ              | 81205       | BACB30LM3U3        | • Bolt, Shear .....   | 4          |
| 37                 | PAOOO              | 02731       | 7-21 1642016       | • Bracket, Fuel Subsys .....  | 1          |
| 38                 | PAOZZ              | 96906       | MS21076-3          | • Nut, Self-Locking, Pl .....   | 2          |
| 39                 | PAOZZ              | 02731       | 7-21 1642077       | • Transmitter, Liquid .....   | 1          |
| 40                 | PAOZZ              | 02731       | 7-21 1642058-5     | • Backing, Board Fuel .....   | 1          |
| 41                 | PAOZZ              | 02731       | 7-21 1642058-3     | • Backing Board, Fuel .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-399F

Figure 577. Group 10 Fuel Subsystem Installation (AFT Fuel Cell)  
7-31 1642100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 577 Fuel Subsystem Installation<br>(AFT Fuel Cell)<br>7-31 1642100 |            |
| 1                  | PAOZZ              | 02731       | 7-31 1642524       | • Hose Assembly .....   | 1          |
| 2                  | PAOZZ              | 02731       | 7-31 1642163       | • Valve, Check .....  | 2          |
| 3                  | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN924-8J           | • Nut, Plain, Hexagon .....   | 2          |
| 5                  | PAOZZ              | 96906       | AN960C1216L        | • Washer, Flat .....  | 2          |
| 6                  | PAOZZ              | 96906       | MS21907J8          | • Elbow, Tube .....   | 1          |
| 7                  | PAOZZ              | 02731       | 7-31 1642521       | • Tube Assembly, Metal .....  | 1          |
| 8                  | XDOZZ              | 96906       | MS21921-8D         | • Nut, Tube Coupling .....  | 2          |
| 9                  | XDOZZ              | 96906       | MS21922-8          | • Sleeve, Clinch, Tube .....  | 2          |
| 10                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio .....  | 1          |
| 11                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....  | 4          |
| 12                 | PAOZZ              | 02731       | 7-31 1642169-5     | • Coupling, Fuel Subsy .....  | 2          |
| 13                 | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....   | 20         |
| 14                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....  | 34         |
| 15                 | PAOZZ              | 80205       | NAS6204-4H         | • Bolt, Shear .....   | 4          |
| 16                 | PAOZZ              | 02731       | 7-31 1642423       | • Washer, Fuel Subsy .....  | 2          |
| 17                 | PAOZZ              | 02731       | 7-1 17420117-3     | • Washer, Bevel .....   | 2          |
| 18                 | PAOOO              | 02731       | 7-31 1641004       | • Cover, Fuel Cell .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS1474A4          | • Nut, Self-Locking, Pl .....   | 2          |
| 20                 | PAOZZ              | 02731       | 7-1 17410006       | • O-Ring .....  | 1          |
| 21                 | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....   | 4          |
| 22                 | PAOZZ              | 81205       | BACB30LM3U3        | • Bolt, Shear .....   | 4          |
| 23                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 19         |
| 24                 | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....   | 4          |
| 25                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....   | 2          |
| 26                 | PAOOO              | 02731       | 7-21 1642017       | • Bracket, Fuel Subsys .....  | 1          |
| 27                 | PAOZZ              | 96906       | MS21076-3          | • Nut, Self-Locking, Pl .....   | 2          |
| 28                 | PAOZZ              | 02731       | 7-21 1642076       | • Transmitter, Liquid .....   | 1          |
| 29                 | PAOZZ              | 80205       | NAS7703-1          | • Screw, Machine .....  | 3          |
| 30                 | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop .....   | 2          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | • Screw, Close Toleran .....  | 4          |
| 32                 | PAOZZ              | 02731       | 7-1 17420027       | • Control Assembly .....  | 2          |
| 33                 | PAOZZ              | 02731       | 7-1 17420110       | • Hose, Nonmetallic .....   | 2          |
| 34                 | PAOOO              | 02731       | 7-1 17420026       | • Cock, Poppet Drain .....  | 2          |
| 35                 | PAOZZ              | 81349       | M83248/1-009       | • O-Ring .....  | 2          |
| 36                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....  | 2          |
| 37                 | PAOZZ              | 02731       | 7-21 1642018-3     | • Backing Board .....   | 1          |
| 38                 | PAOZZ              | 02731       | 7-21 1642018-5     | • Backing Board .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

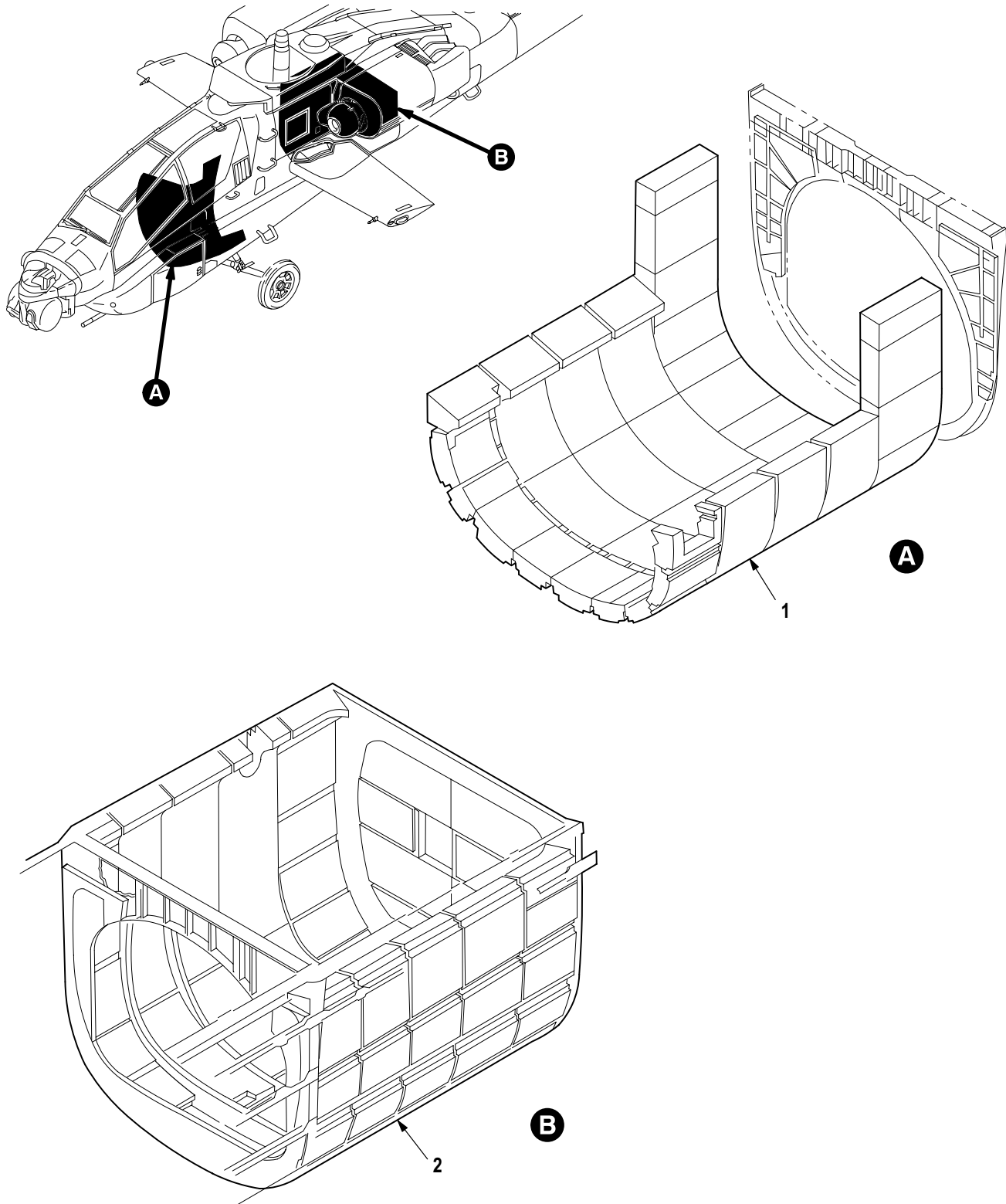
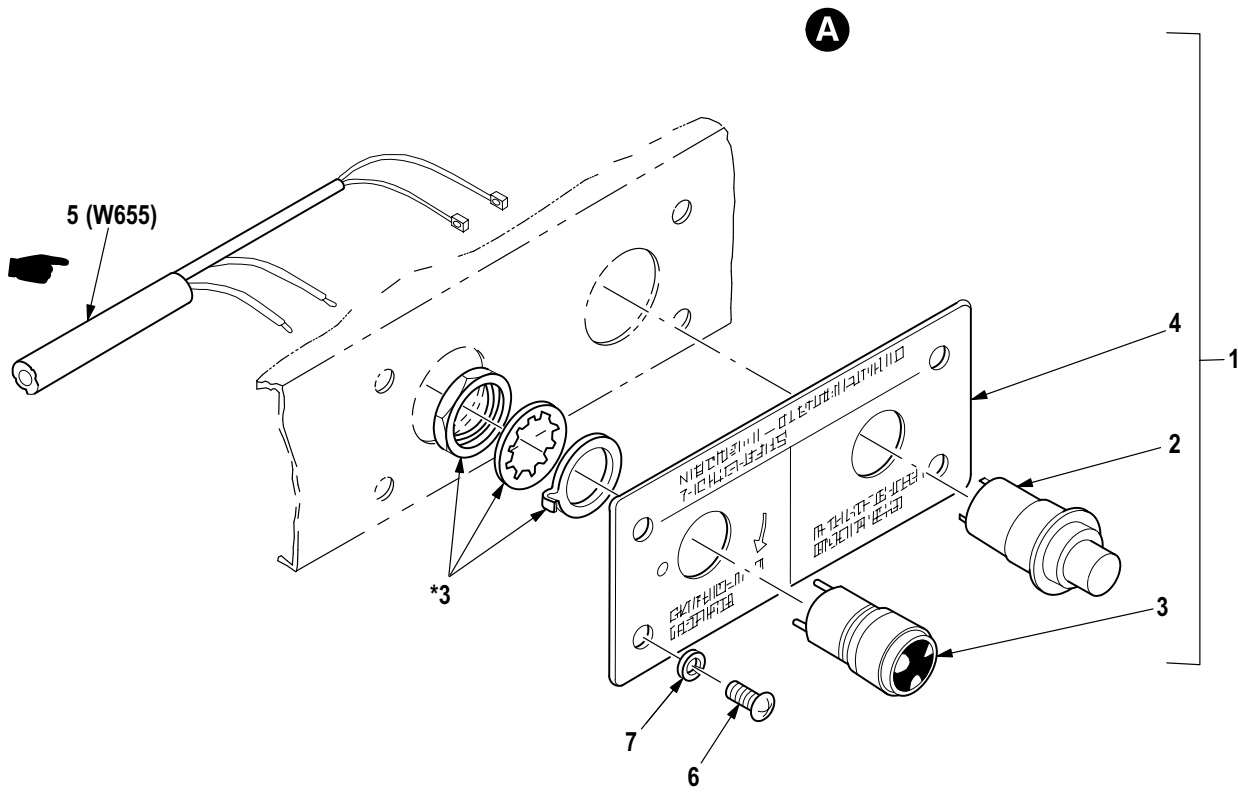
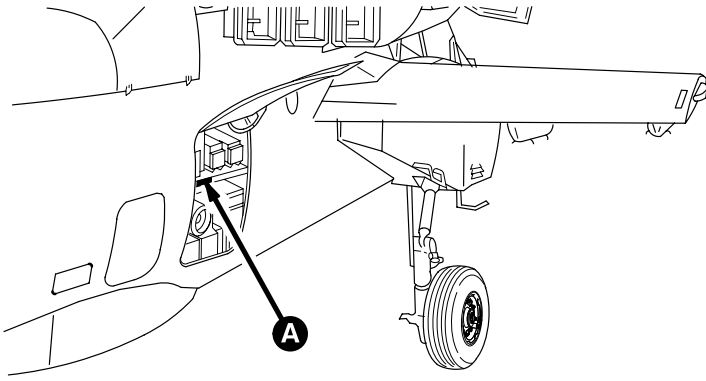


Figure 578. Group 10 Rigid Foam Armor, Fuel Cell  
7-31 1930041 (FWD)  
7-31 1930051 (AFT)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | MFOZZ              | 02731       | 7-31 1930040A      | Group 10 Fuel System<br>Fig. 578 Rigid Foam Armor, Fuel Cell<br>7-31 1930041 (FWD)<br>7-31 1930051 (AFT)<br>• Foam, Bal, Rgd, FWD Fwd (See Appendix D, Tm<br>1-1520-238-23 for<br>Filler Void Location, Repair and Bulk Material) ..... | 1          |
| 2                  | MFOZZ              | 02731       | 7-31 1930050A      | • Foam, Bal, Rgd, AFT Aft (See Appendix D, Tm<br>1-1520-238-23 for<br>Filler Void Location, Repair and Bulk Material) .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

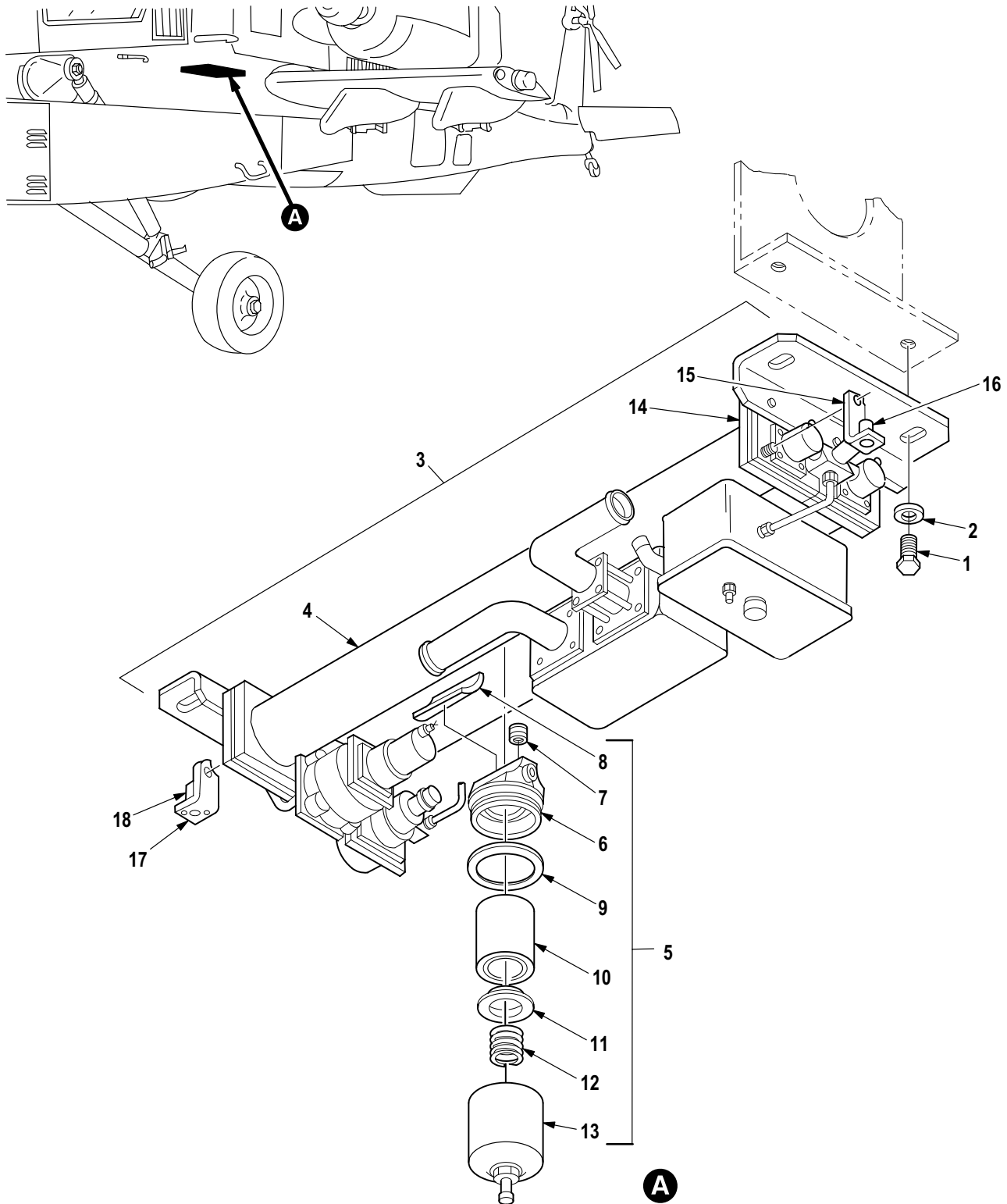


\* SUPPLIED WITH ATTACHED ITEM

Figure 579. Group 10 Panel Assembly, N2 Inerting



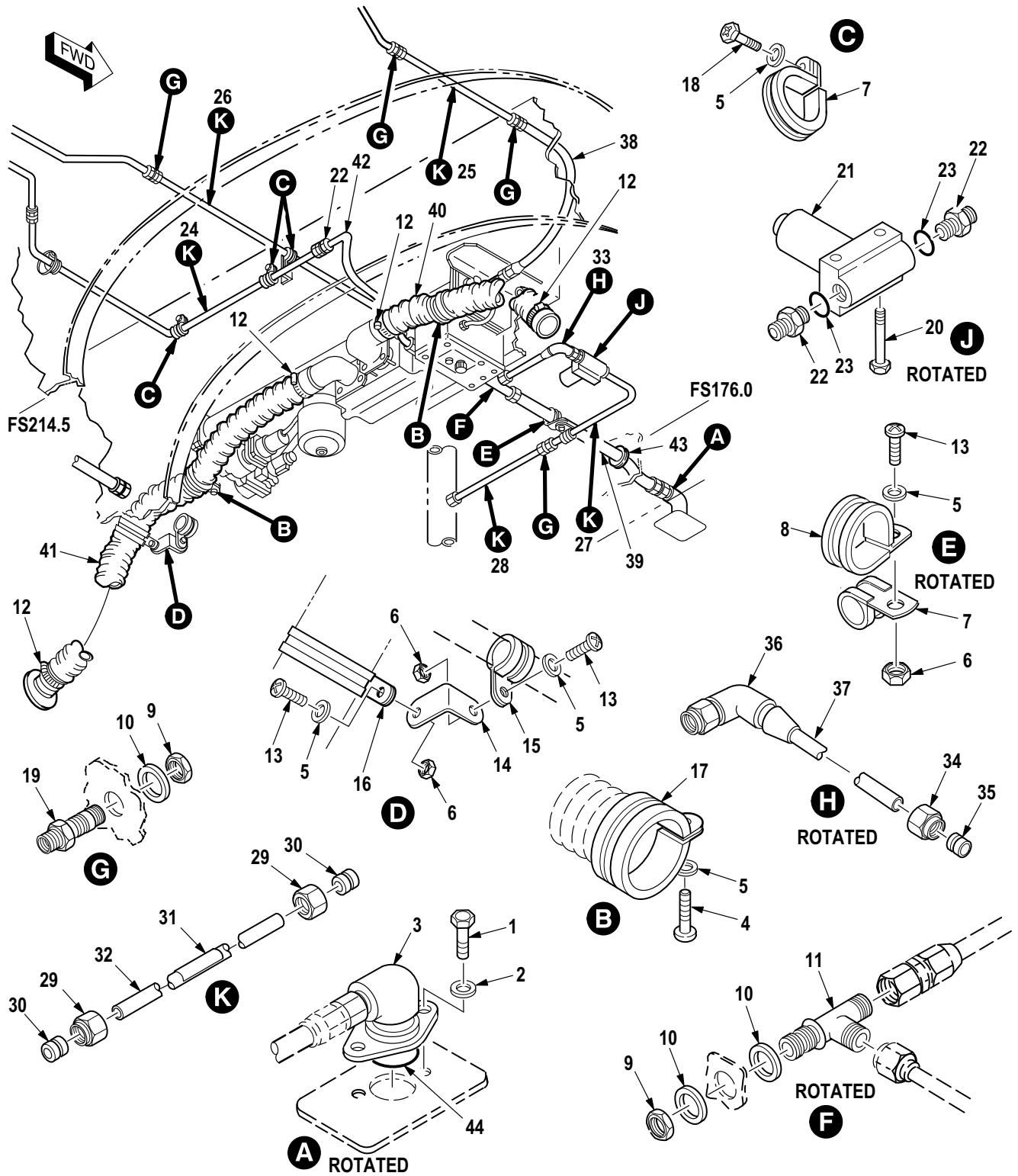
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 579 Panel Assembly, N2 Inerting |            |
| 1                  | PAOOO              | 02731       | 7-31 1642315       | • Panel, Fault-Functio .....                                 | 1          |
| 2                  | PAOZZ              | 96906       | MS25089-1G         | •• Switch, Push .....  | 1          |
| 3                  | PAOZZ              | 81349       | M83287-01-22       | •• Indicator, Fault Loc .....                                | 1          |
| 4                  | XAOZZ              | 02731       | 7-31 1642316       | •• Panel Detail .....  | 1          |
| 5                  | PAOZZ              | 02731       | 7-31 1B24655-003   | •• Wiring Harness .....                                      | 1          |
| 6                  | PAOZZ              | 96906       | MS51957-45         | • Screw, Machine .....                                       | 4          |
| 7                  | PAOZZ              | 88044       | AN960JD8L          | • Washer, Flat .....   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-953

Figure 580. Group 10 Nitrogen Inerting Unit System Installation (Part 1)  
7-31 1642400

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 580 Nitrogen Inerting Unit<br>System Installation (Part 1)<br>7-31 1642400 |            |
| 1                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....   | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....  | 22         |
| 3                  | PAODD              | 02731       | 7-31 1642401       | • Nitrogen Inerting U .....   | 1          |
| 4                  | XAODD              | 99251       | 1643700-1          | •• N2 Inerting Assy .....   | 1          |
| 5                  | PAOFF              | 99251       | 1643657-1          | ••• Filter Assembly, Int .....  | 1          |
| 6                  | XDOFF              | 99251       | 1643667-1          | •••• Housing, Filter .....  | 1          |
| 7                  | PAFZZ              | 96906       | MS51830-201        | ••••• Insert, Screw Thread .....  | 2          |
| 8                  | PAOZZ              | 99251       | 1643267-1          | ••••• Pad Damping, Filter .....   | 2          |
| 9                  | PAOZZ              | 96906       | MS9068-034         | ••••• O-Ring .....  | 1          |
| 10                 | PAOZZ              | 99251       | 1632971-1          | ••••• Filter Element, Flui .....  | 1          |
| 11                 | XDOZZ              | 99251       | 1632972-1          | ••••• Cap, Element .....  | 1          |
| 12                 | PAOZZ              | 99251       | 1632976-1          | ••••• Spring, Helical, Comp .....   | 1          |
| 13                 | PBOZZ              | 99251       | 1632999-1          | ••••• Can Assembly, Filter .....  | 1          |
| 14                 | PADDD              | 99251       | 1643680-1          | ••••• Module Assembly .....   | 1          |
| 15                 | XDFFF              | 99251       | 1643731-1          | ••••• Hose, Bracket Suppor .....  | 1          |
| 16                 | PAFZZ              | 80205       | NAS1329H3K80L      | ••••• Nut, Self-Locking, Bl .....   | 1          |
| 17                 | XDFFF              | 99251       | 1643730-1          | ••••• Bracket, Hose Suppor .....  | 1          |
| 18                 | PAFZZ              | 80205       | NAS1329H3K80L      | ••••• Nut, Self-Locking, Bl .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



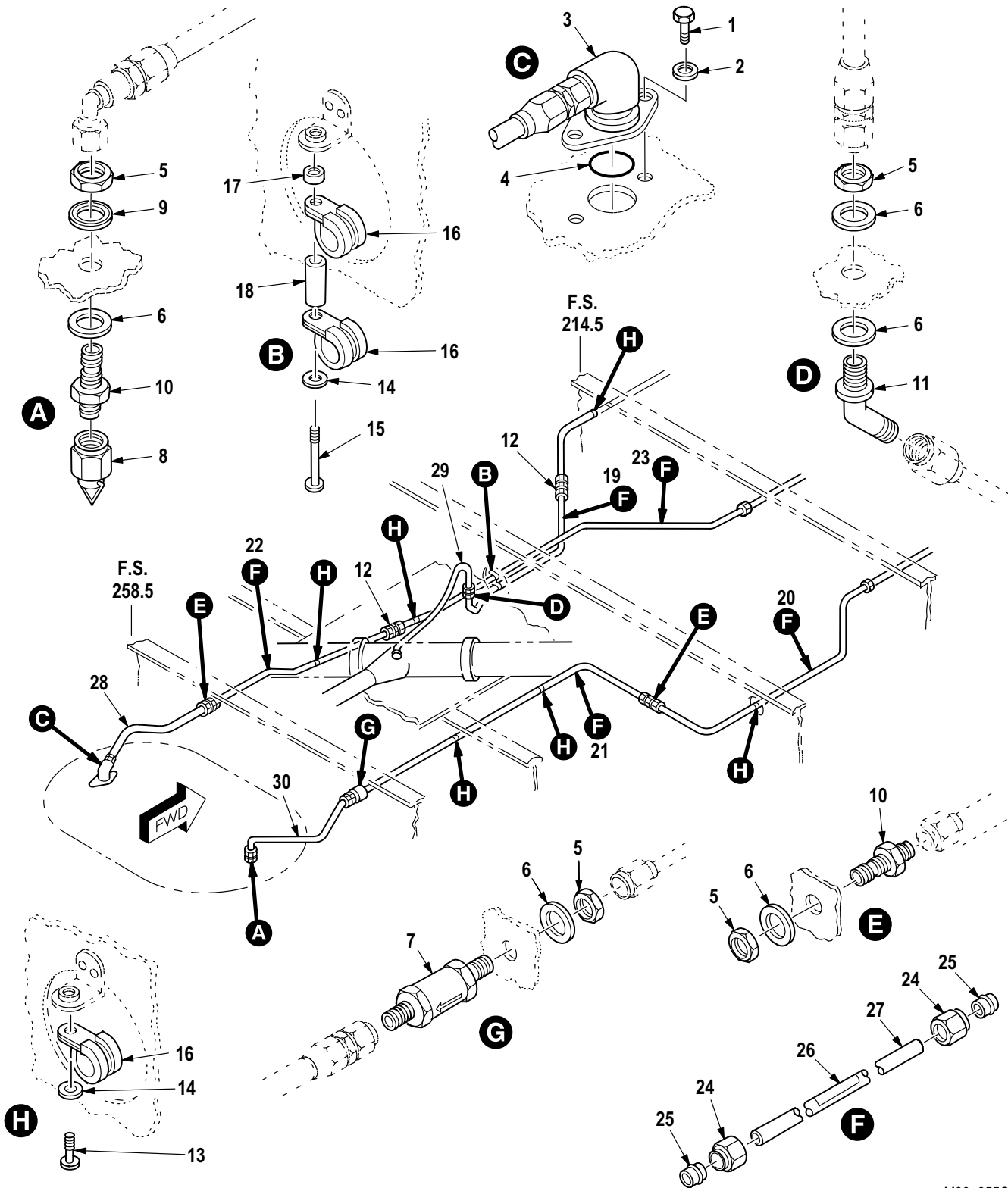
M09-954D

Figure 581. Group 10 Nitrogen Inerting Unit System Installation (Part 2)  
7-31 1642400

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 581 Nitrogen Inerting Unit<br>System Installation (Part 2)<br>7-31 1642400     |            |
| 1                  | PAOZZ              | 80205       | NAS1304-3          | • Bolt .....  | 2          |
| 2                  | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....  | 4          |
| 3                  | PAOZZ              | 02731       | 7-31 1642403-3     | • Valve, Breakaway .....  | 1          |
| 4                  | PAOZZ              | 80205       | NAS6603-13         | • Screw, Machine .....  | 2          |
| 5                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....  | 22         |
| 6                  | PAOZZ              | 96906       | MS21044N3          | • Nut, Self-Locking, He .....   | 3          |
| 7                  | PAOZZ              | 96906       | MS21919WDF6        | • Clamp, Loop .....   | 12         |
| 8                  | PAOZZ              | 96906       | MS21919WDF9        | • Clamp, Loop .....   | 1          |
| 9                  | PAOZZ              | 88044       | AN924-6D           | • Nut, Plain, Hexagon .....   | 5          |
| 10                 | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....  | 6          |
| 11                 | PAOZZ              | 96906       | MS21912D6          | • Tee, Tube .....   | 1          |
| 12                 | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....   | 4          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 3          |
| 14                 | PAOZZ              | 88044       | AN743-12           | • Bracket, Angle .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....   | 1          |
| 16                 | PAOZZ              | 96906       | MS21919WDG26       | • Clamp, Loop .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1713D26N        | • Clamp, Loop .....   | 1          |
| 18                 | PAOZZ              | 80205       | NAS1403-1          | • Screw, Machine .....  | 4          |
| 19                 | PAOZZ              | 96906       | MS21924D6          | • Adapter, Straight, Tu .....   | 4          |
| 20                 | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine .....  | 2          |
| 21                 | PAOZZ              | 02731       | 7-31 1642425       | • Valve, Solenoid .....   | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....  | 4          |
| 23                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....  | 2          |
| 24                 | MFOFF              | 02731       | 7-31 1642412       | • Tube Assy .....   | 1          |
| 25                 | MFOFF              | 02731       | 7-31 1642415       | • Tube Assy .....   | 1          |
| 26                 | MFOFF              | 02731       | 7-31 1642420       | • Tube Assy .....   | 1          |
| 27                 | MFOFF              | 02731       | 7-31 1642424       | • Tube Assy .....   | 1          |
| 28                 | MFOFF              | 02731       | 7-31 1642426-9     | • Tube Assy .....   | 1          |
| 29                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....  | 2          |
| 30                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....  | 2          |
| 31                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio (U/O P/N 7-311642412,<br>P/N 7-311642415, P/N 7-311642420,<br>P/N 7-311642424) ..... | 1          |
| 31                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio (U/O P/N 7-311642426-9) .....  | 1          |
| 32                 | MFFZZ              | 02731       | 7-31 1642412-3     | • Tube (U/W P/N 7-311642412 Tube) .....   | 1          |
| 32                 | MFFZZ              | 02731       | 7-31 1642420-3     | • Tube (U/W P/N 7-311642420 Tube) .....   | 1          |
| 32                 | MFFZZ              | 02731       | 7-31 1642424-3     | • Tube (U/W P/N 7-311642424 Tube) .....   | 1          |
| 32                 | MFFZZ              | 02731       | 7-31 1642426-1 1   | • Tube (U/W P/N 7-311642426-9 Tube) .....   | 1          |
| 33                 | MFOFF              | 02731       | 7-31 1642422       | • Tube Assy .....   | 1          |
| 34                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....  | 1          |
| 35                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....  | 1          |
| 36                 | PAFZZ              | 02731       | HS4519-6D          | • Elbow, Tube .....   | 1          |
| 37                 | MFFZZ              | 02731       | 7-31 1642422-3     | • Tube .....  | 1          |
| 38                 | PAOZZ              | 02731       | 7-31 1642410-7     | • Hose Assembly, Nonme .....  | 1          |
| 39                 | PAOZZ              | 02731       | 7-31 1642410-5     | • Hose Assembly, Nonme .....  | 1          |
| 40                 | PAOZZ              | 02731       | 7-31 1642407-3     | • Hose, Nonmetallic .....   | 1          |
| 41                 | PAOZZ              | 02731       | 7-31 1642407-5     | • Hose, Nonmetallic .....   | 1          |
| 42                 | PAOZZ              | 02731       | 7-31 1642421       | • Hose Assembly, Nonme .....  | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 43                 | PAOZZ              | 96906       | MS21266-2N         | • Grommet, Nonmetallic .....                | 1          |
| 44                 | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....                              | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



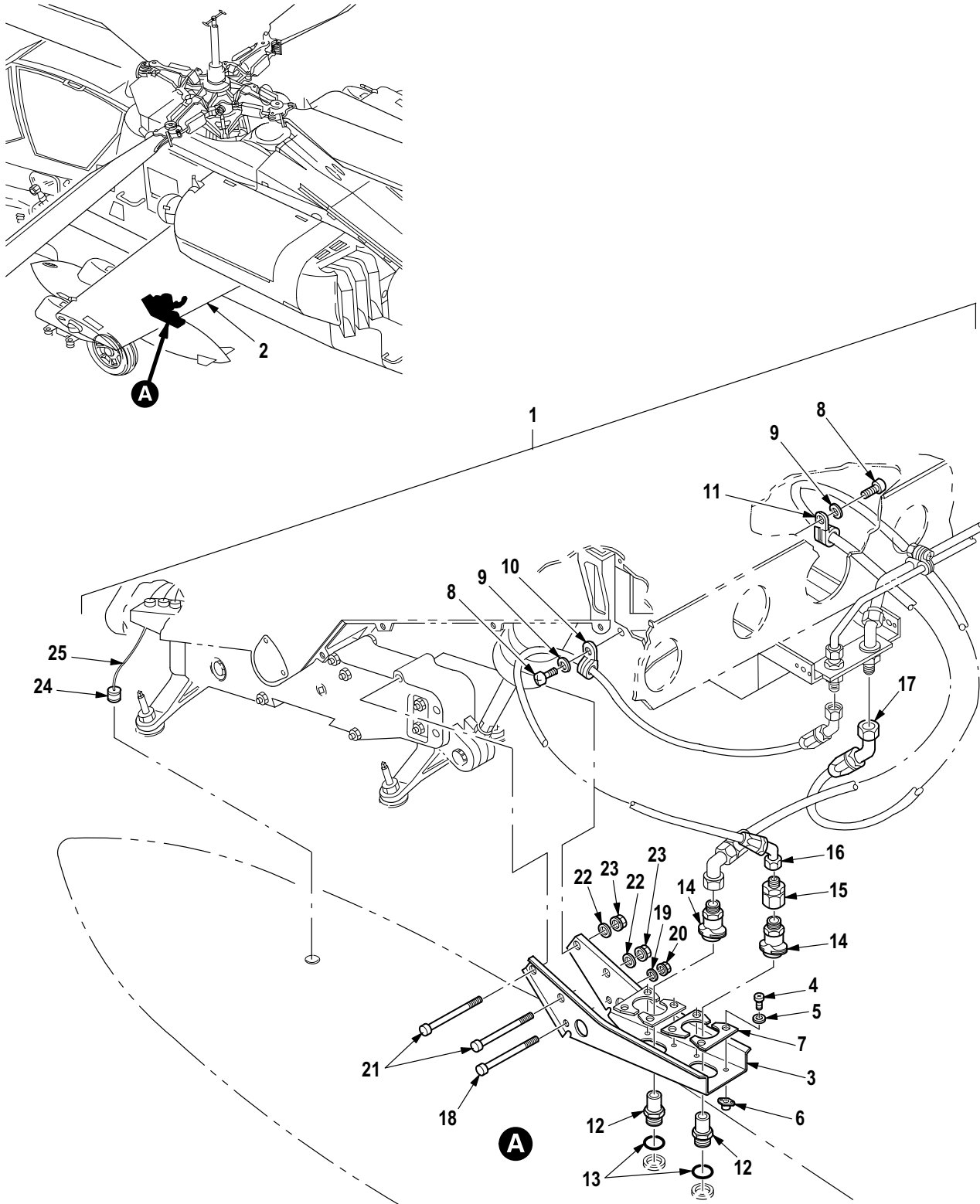


M09-955C

Figure 582. Group 10 Nitrogen Inerting Unit System Installation (Part 3)  
7-31 1642400



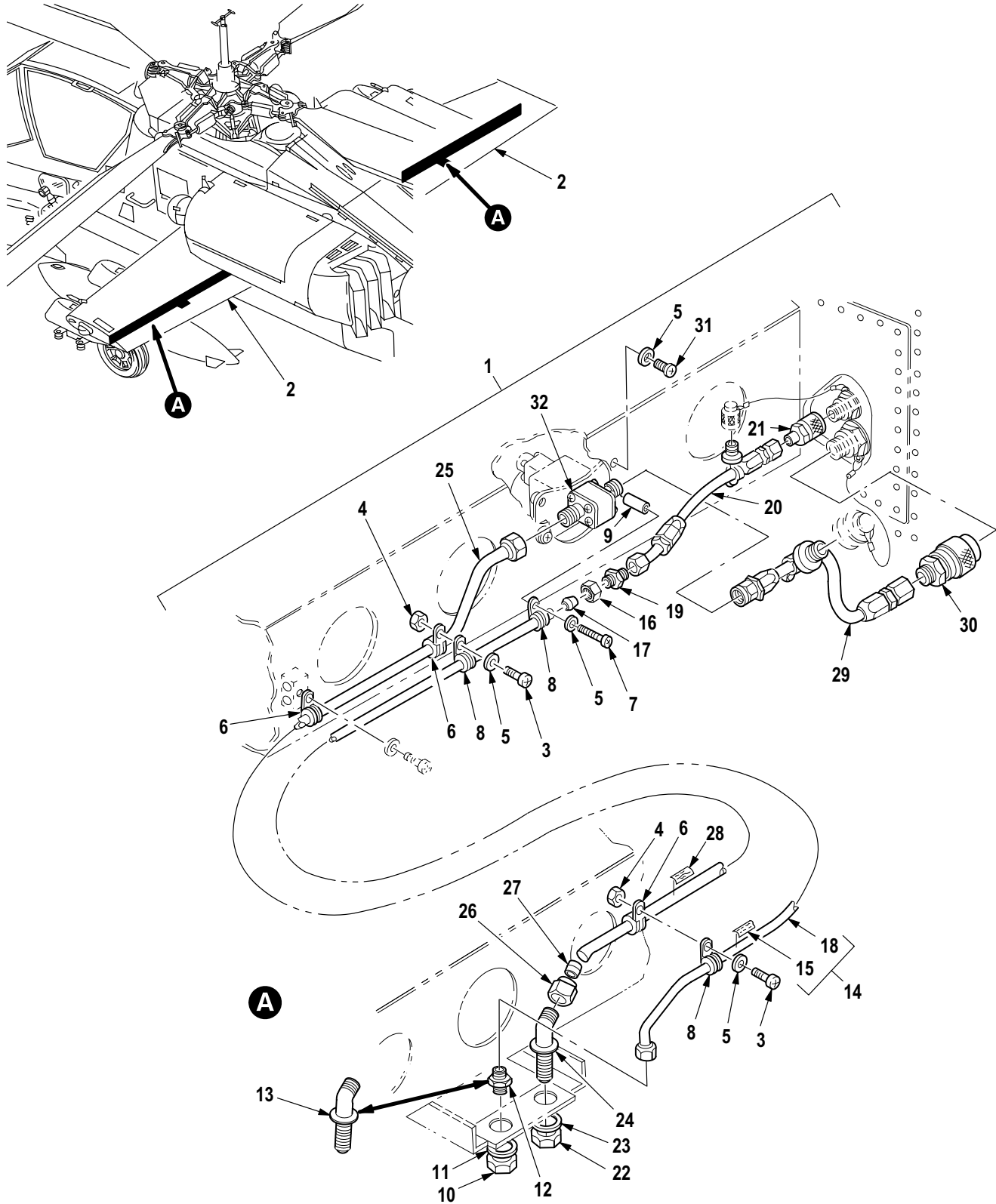
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 582 Nitrogen Inerting Unit<br>System Installation (Part 3)<br>7-31 1642400 |            |
| 1                  | PAOZZ              | 80205       | NAS1304-3          | • Bolt .....  | 2          |
| 2                  | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....  | 4          |
| 3                  | PAOZZ              | 02731       | 7-31 1642403-3     | • Valve, Breakaway .....  | 1          |
| 4                  | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....  | 1          |
| 5                  | PAOZZ              | 88044       | AN924-6D           | • Nut, Plain, Hexagon .....   | 5          |
| 6                  | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....  | 5          |
| 7                  | PAOZZ              | 02731       | 7-31 1642406-3     | • Valve, Check .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1642411       | • Orifice, Fuel Cell .....  | 1          |
| 9                  | PAOZZ              | 80205       | NAS1523AA9F        | • Packing With Retain .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS21924D6          | • Adapter, Straight, Tu .....   | 3          |
| 11                 | PAOZZ              | 96906       | MS21907J6          | • Elbow, Tube .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....  | 2          |
| 13                 | PAOZZ              | 80205       | NAS1403-1          | • Screw, Machine .....  | 5          |
| 14                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....  | 22         |
| 15                 | PAOZZ              | 80205       | NAS1403-16         | • Screw, Machine .....  | 1          |
| 16                 | PAOZZ              | 96906       | MS21919WDF6        | • Clamp, Loop .....   | 12         |
| 17                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....  | 1          |
| 18                 | PAOZZ              | 80205       | NAS43DD3-48        | • Spacer, Sleeve .....  | 1          |
| 19                 | MFOFF              | 02731       | 7-31 1642413       | • Tube Assy .....   | 1          |
| 20                 | MFOFF              | 02731       | 7-31 1642416       | • Tube Assy .....   | 1          |
| 21                 | MFOFF              | 02731       | 7-31 1642417       | • Tube Assy .....   | 1          |
| 22                 | MFOFF              | 02731       | 7-31 1642418       | • Tube Assy .....   | 1          |
| 23                 | MFOFF              | 02731       | 7-31 1642419       | • Tube Assy .....   | 1          |
| 24                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....  | 2          |
| 25                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....  | 2          |
| 26                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio .....  | 1          |
| 27                 | MFFZZ              | 02731       | 7-31 1642413-3     | • Tube (U/W P/N 7-311642413 Tube) .....   | 1          |
| 27                 | MFFZZ              | 02731       | 7-31 1642419-3     | • Tube (U/W P/N 7-311642419 Tube) .....   | 1          |
| 28                 | PAOZZ              | 02731       | 7-31 1642410-3     | • Hose Assembly, Nonme .....  | 1          |
| 29                 | PAOZZ              | 02731       | 7-31 1642409       | • Hose Assembly, Nonme .....  | 1          |
| 30                 | PAOZZ              | 02731       | 7-31 1642405       | • Hose Assembly, Nonme .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1210

Figure 583. Group 10 Kit, Auxiliary Wing Tanks (2 Tanks) (Part 1)

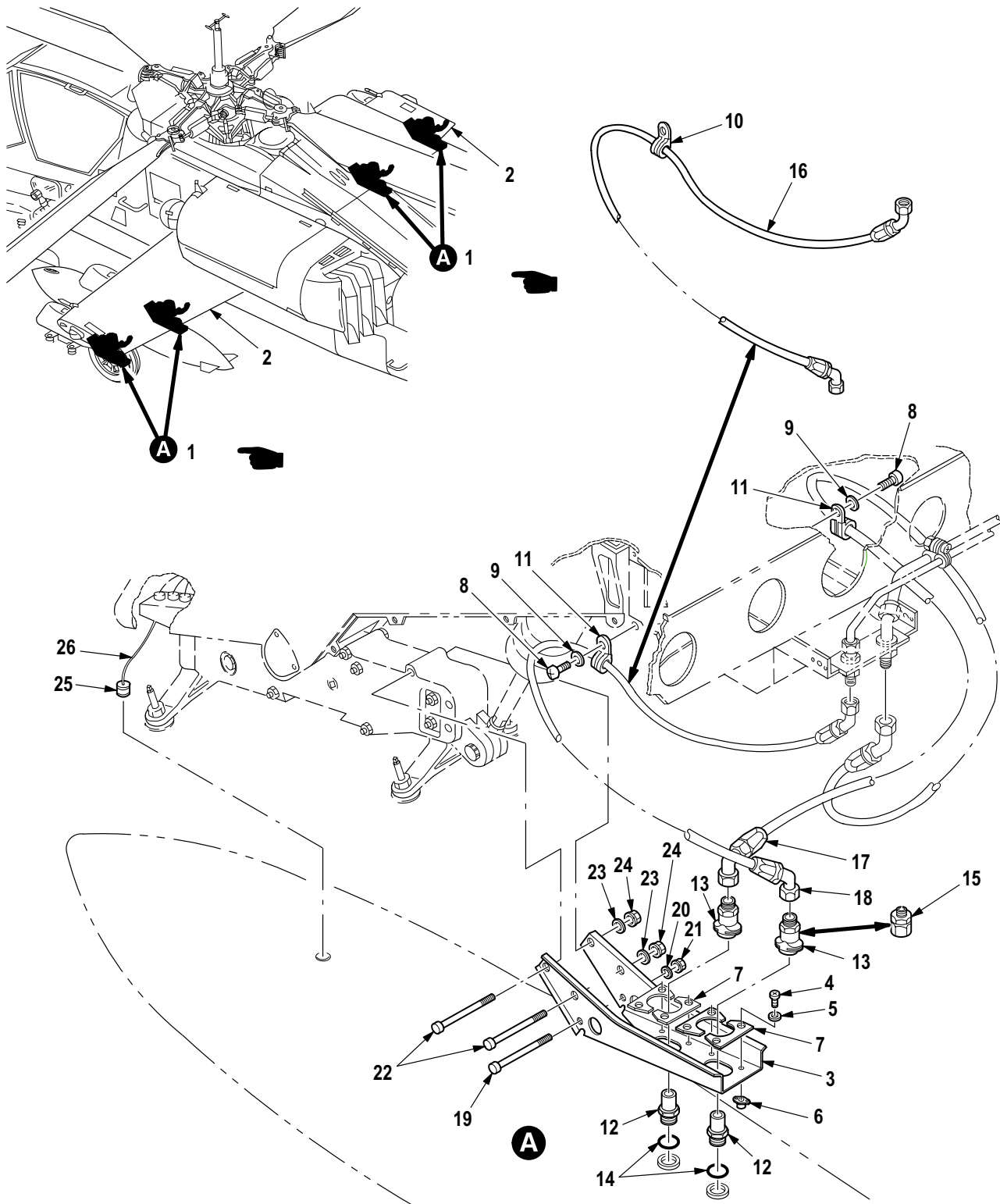
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 583 Kit, Auxiliary Wing Tanks<br>(2 Tanks) (Part 1) |            |
| 1                  | PDOFF              | 02731       | 7-367100000-13     | • Installation Kit, Je .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-17     | •• Wing Assy LH .....  | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-18     | •• Wing Assy RH .....  | 1          |
| 3                  | PBOOO              | 02731       | 7-367100101        | ••• Bracket, Mounting .....  | 2          |
| 4                  | PAOZZ              | 80205       | NAS1403-2          | •••• Screw, Machine .....  | 8          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | •••• Washer, Flat .....  | 8          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, PI .....   | 8          |
| 7                  | XDOZZ              | 02731       | 7-367100001-5      | •••• Retainer .....  | 4          |
| 8                  | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....   | 6          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....   | 9          |
| 10                 | PAOZZ              | 96906       | MS21919WDF7        | ••• Clamp, Loop .....  | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WDF10       | ••• Clamp, Loop .....  | 1          |
| 12                 | PAOZZ              | 02731       | 7-26710001 1-5     | ••• Coupling Assembly, Q .....   | 2          |
| 13                 | PAOZZ              | 96906       | MS29512-08         | ••• O-Ring .....   | 2          |
| 14                 | PAOZZ              | 02731       | 7-26710001 1-3     | ••• Coupling Assembly, Q .....   | 2          |
| 15                 | PAOZZ              | 00624       | W22832D0804        | ••• Reducer, Tube .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-367100012-3      | ••• Hose Assembly, Nonme LH .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-367100012-4      | ••• Hose Assembly, Nonme RH .....  | 1          |
| 17                 | PAOZZ              | 02731       | 7-367100013-3      | ••• Hose Assembly, Nonme LH .....  | 1          |
| 17                 | PAOZZ              | 02731       | 7-367100013-4      | ••• Hose Assembly, Nonme RH .....  | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604-46         | ••• Bolt, Shear .....  | 1          |
| 19                 | PAOZZ              | 88044       | AN960JD416         | ••• Washer, Flat .....   | 1          |
| 20                 | PAOZA              | 96906       | MS21043-4          | ••• Nut, Self-Locking, Ex .....  | 1          |
| 21                 | PAOZZ              | 80205       | NAS1305-46         | ••• Bolt, Shear .....  | 2          |
| 22                 | PAOZZ              | 88044       | AN960JD516         | ••• Washer, Flat .....   | 2          |
| 23                 | PAOZA              | 96906       | MS21043-5          | ••• Nut, Self-Locking, Ex .....  | 2          |
| 24                 | PAOZZ              | 02731       | 7-267100002-7      | •• Cable Assembly, Spec .....  | 2          |
| 25                 | XDOZZ              | 02731       | HS4910-9754        | ••• Marker, Tie .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1211C

Figure 584. Group 10 Kit, Auxiliary Wing Tanks (2 Tanks) (Part 2)

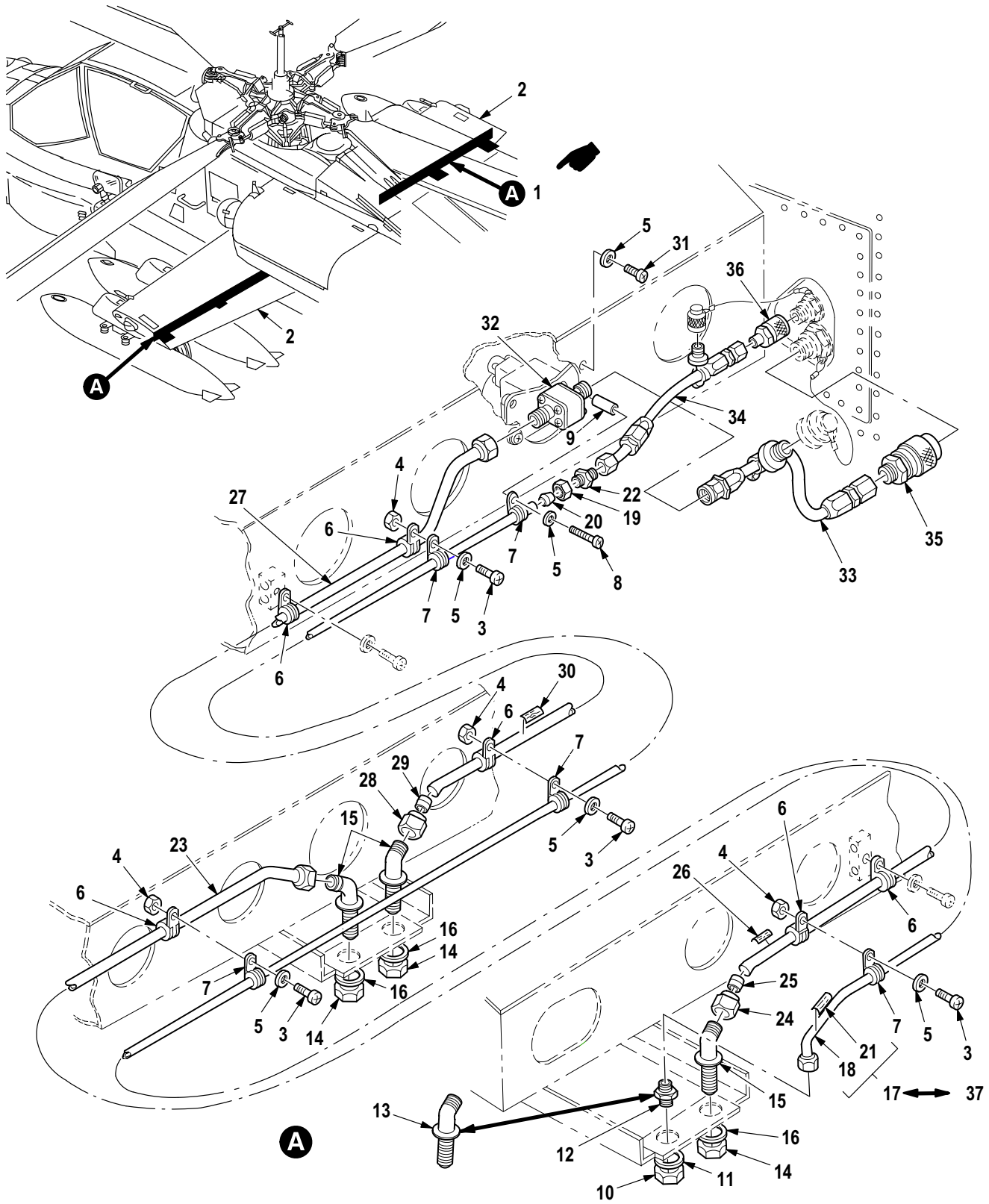
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 584 Kit, Auxiliary Wing Tanks<br>(2 Tanks) (Part 2) |            |
| 1                  | PDOFF              | 02731       | 7-367100000-13     | • Installation Kit, Je .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-17     | •• Wing Assy LH .....  | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-18     | •• Wing Assy RH .....  | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | ••• Screw, Machine .....   | 2          |
| 4                  | PAOZZ              | 96906       | MS21044N3          | ••• Nut, Self-Locking, He .....  | 2          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....   | 9          |
| 6                  | XDOZZ              | 96906       | MS21919WDF8        | ••• Clamp, Loop .....  | 3          |
| 7                  | PAOZZ              | 80205       | NAS623-3-32        | ••• Screw, Machine .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS21919WDF4        | ••• Clamp, Loop .....  | 3          |
| 9                  | PAOZZ              | 80205       | NAS43DD4-48        | ••• Spacer, Sleeve .....   | 1          |
| 10                 | PAOZZ              | 98897       | LS12906-184        | ••• Nut, Plain, Hexagon .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-367100009        | ••• Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 96906       | MS21924D4          | ••• Adapter, Straight,Tu LH .....  | 1          |
| 13                 | PAOZZ              | 96906       | MS21907D4          | ••• Elbow, Tube RH .....   | 1          |
| 14                 | MFOFF              | 02731       | 7-367100503-7      | ••• Tube Assy, Metal LH .....  | 1          |
| 14                 | MFOFF              | 02731       | 7-367100504        | ••• Tube Assy, Metal RH .....  | 1          |
| 15                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....  | 1          |
| 16                 | PAOZZ              | 96906       | MS21921D4          | •••• Nut, Tube Coupling .....  | 2          |
| 17                 | PAOZZ              | 96906       | MS21922-4          | •••• Sleeve, Clinch, Tube .....  | 2          |
| 18                 | MFOZZ              | 02731       | 7-367100503-5      | •••• Tube LH .....   | 1          |
| 18                 | MFOZZ              | 02731       | 7-367100504-3      | •••• Tube RH .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS21902D4          | ••• Nipple, Boss LH .....  | 1          |
| 20                 | PAOZZ              | 02731       | 7-367100004        | ••• Hose Assembly, Nonme .....   | 1          |
| 21                 | PAOZZ              | 02731       | 7-31 1710169-7     | ••• Coupling Half, Quick .....   | 1          |
| 22                 | PAOZZ              | 81352       | AN924-8D           | ••• Nut, Plain, Hexagon .....  | 1          |
| 23                 | PAOZZ              | 88044       | AN960PD1216L       | ••• Washer, Flat .....   | 1          |
| 24                 | PAOZZ              | 96906       | MS21907D8          | ••• Elbow, Tube .....  | 1          |
| 25                 | PAOOO              | 02731       | 7-367100507-7      | ••• Tube Assembly, Metal LH .....  | 1          |
| 25                 | PAOOO              | 02731       | 7-367100508-7      | ••• Tube Assembly, Metal RH .....  | 1          |
| 26                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....  | 2          |
| 27                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....  | 2          |
| 28                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....  | 1          |
| 29                 | PAOZZ              | 8V613       | 7-367100005-3      | ••• Hose Assembly, Nonme .....   | 1          |
| 30                 | PAOZZ              | 02731       | 7-31 1642169-3     | ••• Coupling Half, Self- .....   | 1          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....   | 6          |
| 32                 | PAOZZ              | 02731       | 7-367100015-3      | ••• Valve, Ball .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1212D

Figure 585. Group 10 Kit, Auxiliary Wing Tanks (4 Tanks) (Part 1)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 585 Kit, Auxiliary Wing Tanks<br>(4 Tanks) (Part 1) |            |
| 1                  | PDOFF              | 02731       | 7-367100000-1 1    | • Installation Kit, Je .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-15     | •• Wing Assy, LH .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-16     | •• Wing Assy, RH .....   | 1          |
| 3                  | PBOOO              | 02731       | 7-367100101        | ••• Bracket, Mounting .....  | 2          |
| 4                  | PAOZZ              | 80205       | NAS1403-2          | •••• Screw, Machine .....  | 8          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | •••• Washer, Flat .....  | 8          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, PI .....   | 8          |
| 7                  | XDOZZ              | 02731       | 7-367100001-5      | •••• Retainer .....  | 4          |
| 8                  | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....   | 4          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....   | 5          |
| 10                 | PAOZZ              | 96906       | MS21919WDF7        | ••• Clamp, Loop .....  | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WDF10       | ••• Clamp, Loop .....  | 3          |
| 12                 | PAOZZ              | 02731       | 7-26710001 1-5     | ••• Coupling Assembly, Q .....   | 4          |
| 13                 | PAOZZ              | 02731       | 7-26710001 1-3     | ••• Coupling Assembly, Q .....   | 4          |
| 14                 | PAOZZ              | 96906       | MS29512-08         | ••• O-Ring .....   | 4          |
| 15                 | PAOZZ              | 00624       | W22832D0804        | ••• Reducer, Tube .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-367100012-3      | ••• Hose Assembly, Nonme LH .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-367100012-4      | ••• Hose Assembly, Nonme RH .....  | 1          |
| 17                 | PAOZZ              | 02731       | 7-367100013-3      | ••• Hose Assembly, Nonme LH .....  | 2          |
| 17                 | PAOZZ              | 02731       | 7-367100013-4      | ••• Hose Assembly, Nonme RH .....  | 2          |
| 18                 | PAOZZ              | 02731       | 7-367100013-5      | ••• Hose Assembly, Nonme LH .....  | 1          |
| 18                 | PAOZZ              | 02731       | 7-367100013-6      | ••• Hose Assembly, Nonme RH .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS6604-46         | ••• Bolt, Shear .....  | 2          |
| 20                 | PAOZZ              | 88044       | AN960JD416         | ••• Washer, Flat .....   | 2          |
| 21                 | PAOZA              | 96906       | MS21043-4          | ••• Nut, Self-Locking, Ex .....  | 2          |
| 22                 | XDOZZ              | 80205       | NAS1305-46         | ••• Bolt, Shear .....  | 4          |
| 23                 | PAOZZ              | 88044       | AN960JD516         | ••• Washer, Flat .....   | 4          |
| 24                 | PAOZA              | 96906       | MS21043-5          | ••• Nut, Self-Locking, Ex .....  | 4          |
| 25                 | PAOZZ              | 02731       | 7-267100002-7      | •• Cable Assembly, Spec .....  | 2          |
| 26                 | XDOZZ              | 02731       | HS4910-9754        | ••• Marker, Tie .....  | 1          |
|                    |                    |             |                    | END OF FIGURE  |            |

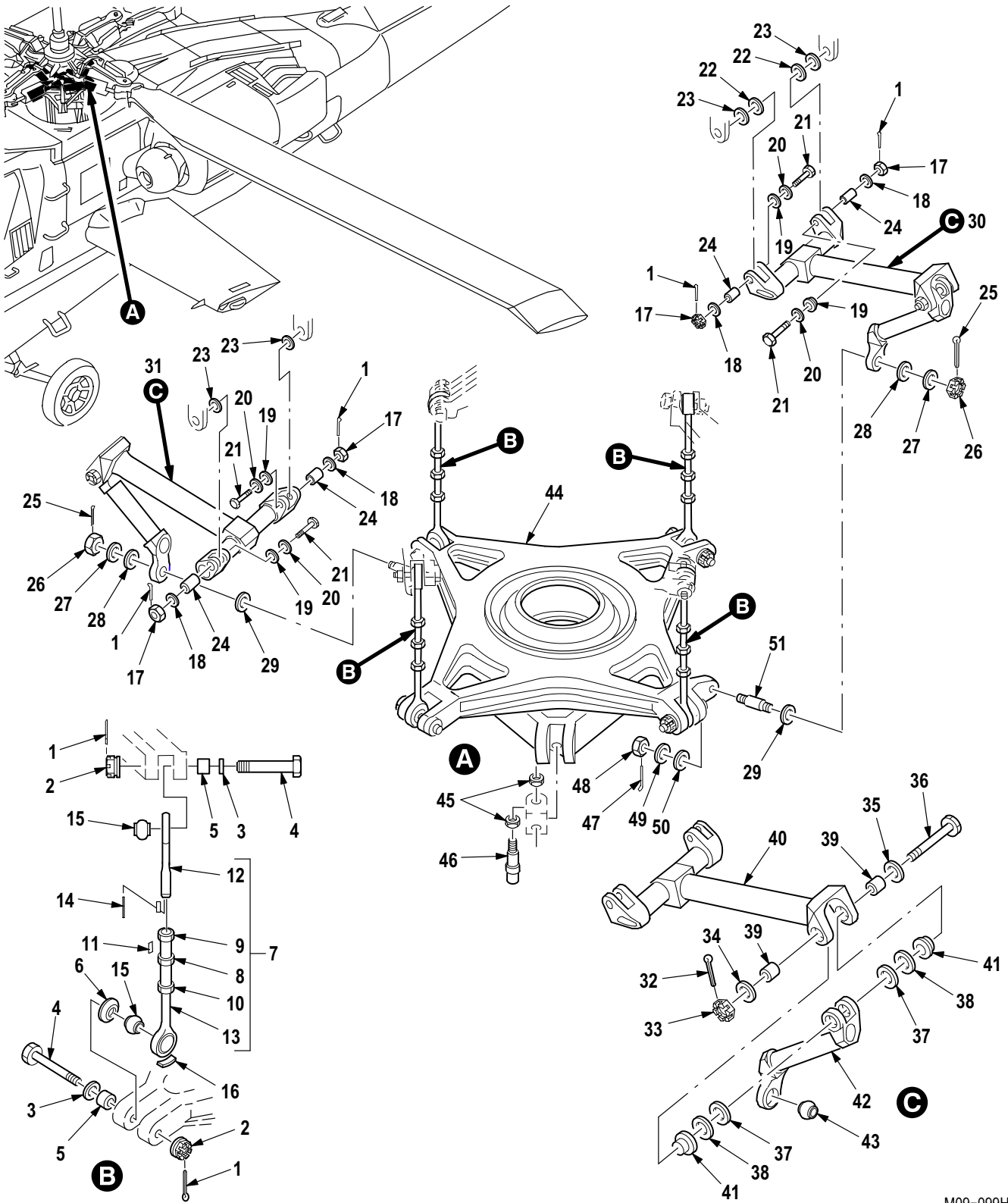


M09-1213D

Figure 586. Group 10 Kit, Auxiliary Wing Tanks (4 Tanks) (Part 2)



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 586 Kit, Auxiliary Wing Tanks<br>(4 Tanks) (Part 2) |            |
| 1                  | PDOFF              | 02731       | 7-367100000-1      | • Installation Kit, Je .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-15     | •• Wing Assy, LH .....   | 1          |
| 2                  | XDOOO              | 02731       | 7-367100000-16     | •• Wing Assy, RH .....   | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | ••• Screw, Machine .....   | 4          |
| 4                  | PAOZZ              | 96906       | MS21044N3          | ••• Nut, Self-Locking, He .....  | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....   | 8          |
| 6                  | XDOZZ              | 96906       | MS21919WDF8        | ••• Clamp, Loop .....  | 6          |
| 7                  | PAOZZ              | 96906       | MS21919WDF4        | ••• Clamp, Loop .....  | 5          |
| 8                  | PAOZZ              | 80205       | NAS623-3-32        | ••• Screw, Machine .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS43DD4-48        | ••• Spacer, Sleeve .....   | 1          |
| 10                 | PAOZZ              | 98897       | LS12906-184        | ••• Nut, Plain, Hexagon .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-367100009        | ••• Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 96906       | MS21924D4          | ••• Adapter, Straight,Tu .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS21907D4          | ••• Elbow, Tube RH .....   | 1          |
| 14                 | PAOZZ              | 81352       | AN924-8D           | ••• Nut, Plain, Hexagon .....  | 3          |
| 15                 | PAOZZ              | 96906       | MS21907D8          | ••• Elbow, Tube .....  | 3          |
| 16                 | PAOZZ              | 88044       | AN960PD1216L       | ••• Washer, Flat .....   | 3          |
| 17                 | MFOFF              | 02731       | 7-367100501-7      | ••• Tube Assy, Metal LH .....  | 1          |
| 17                 | MFOFF              | 02731       | 7-367100502        | ••• Tube Assy, Metal RH .....  | 1          |
| 18                 | MFOZZ              | 02731       | 7-367100501-5      | •••• Tube .....  | 1          |
| 19                 | PAOZZ              | 96906       | MS21921-4D         | •••• Nut, Tube Coupling .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS21922-4          | •••• Sleeve, Clinch, Tube .....  | 2          |
| 21                 | XDOZZ              | 02731       | HS4367-2           | •••• Plate, Identificatio .....  | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D4          | ••• Nipple, Boss RH .....  | 1          |
| 23                 | PAOOO              | 02731       | 7-367100505-7      | ••• Tube Assembly, Metal LH .....  | 1          |
| 23                 | PAOOO              | 02731       | 7-367100506-7      | ••• Tube Assembly, Metal RH .....  | 1          |
| 24                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....  | 2          |
| 25                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....  | 2          |
| 26                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....  | 1          |
| 27                 | PAOOO              | 02731       | 7-367100507-7      | ••• Tube Assembly, Metal LH .....  | 1          |
| 27                 | PAOOO              | 02731       | 7-367100508-7      | ••• Tube Assembly, Metal RH .....  | 1          |
| 28                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....  | 2          |
| 29                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....  | 2          |
| 30                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....  | 1          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....   | 4          |
| 32                 | PAOZZ              | 02731       | 7-367100015-3      | ••• Valve, Ball .....  | 1          |
| 33                 | PAOZZ              | 8V613       | 7-367100005-3      | ••• Hose Assembly, Nonme .....   | 1          |
| 34                 | PAOZZ              | 02731       | 7-367100004        | ••• Hose Assembly, Nonme .....   | 1          |
| 35                 | PAOZZ              | 02731       | 7-31 1642169-3     | ••• Coupling Half, Self- .....   | 1          |
| 36                 | PAOZZ              | 02731       | 7-31 1710169-7     | ••• Coupling Half, Quick .....   | 1          |
| 37                 | MFOFF              | 02731       | 7-367100503-7      | •• Tube Assy, Metal (For 2 Tanks Conversion) .....                               | 1          |
| 37                 | MFOFF              | 02731       | 7-367100504        | •• Tube Assy, Metal (For 2 Tanks Conversion) .....                               | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-099H

Figure 587. Group 11 Rotor Controls, Upper Main (Pitch Links and Scissors)  
7-31 1511100

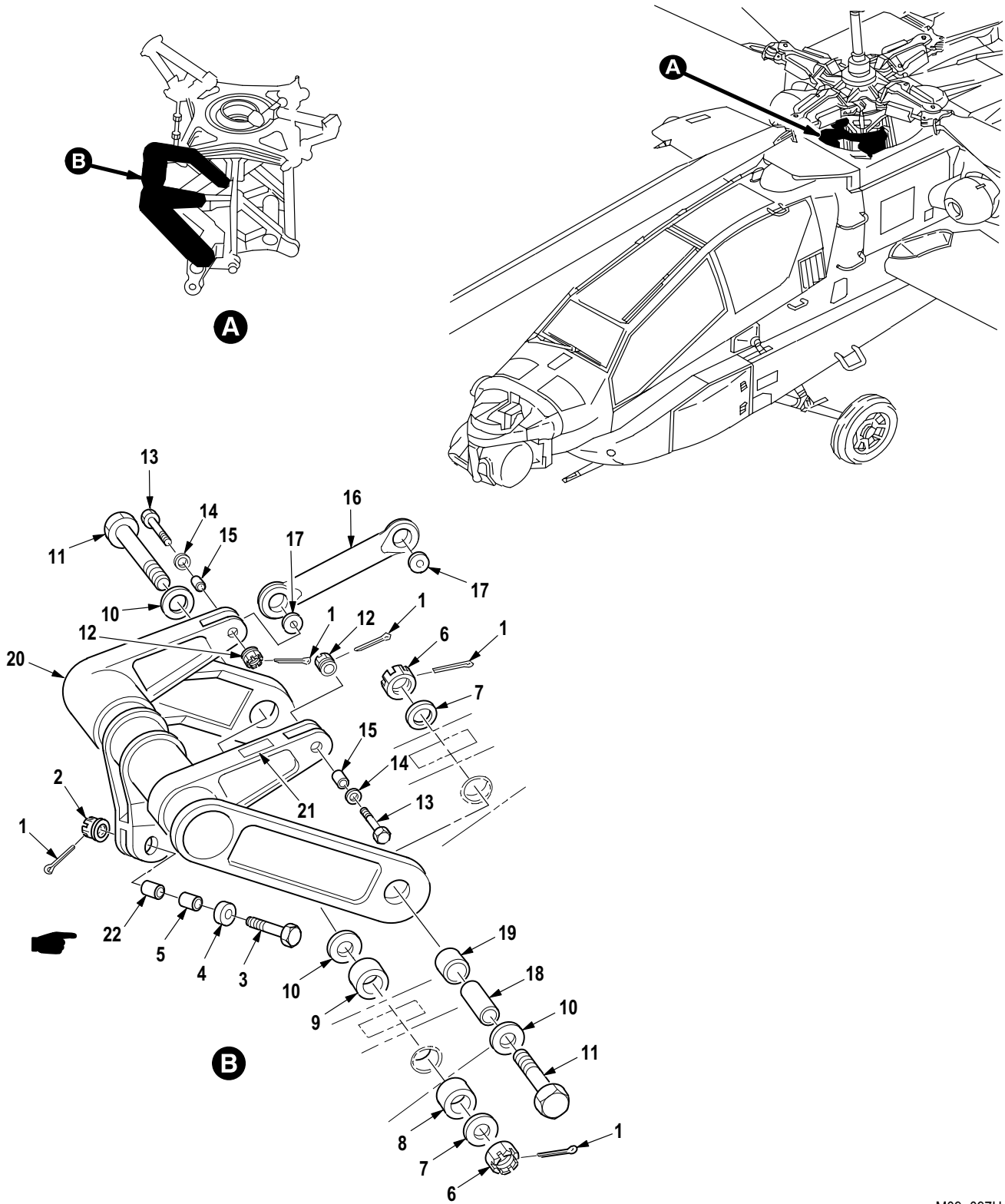
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 587 Rotor Controls, Upper Main<br>(Pitch Links and Scissors)<br>7-31 1511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....   | 16         |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....   | 8          |
| 3                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....  | V          |
| 4                  | PAOZZ              | 02731       | HS5039-0245        | • Bolt, Close Toleranc .....  | 8          |
| 5                  | PAOZZ              | 02731       | 7-31 1511202-9     | • Bushing, Sleeve .....   | 8          |
| 6                  | PAOZZ              | 02731       | 7-21 1511205       | • Limiter, Pitch Link .....   | 4          |
| 7                  | PAOFF              | 02731       | 7-31 1511135-7     | • Pitch Link Assy .....   | 4          |
| 8                  | PAOZZ              | 02731       | 7-31 1511136-9     | •• Connecting Link, Rig .....   | 1          |
| 9                  | XDOZZ              | 80205       | NAS509L14          | •• Nut, Plain, Hexagon .....  | 1          |
| 10                 | PAOZZ              | 80205       | NAS509-14          | •• Nut, Plain, Hexagon .....  | 1          |
| 11                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....   | 1          |
| 12                 | PAOFF              | 02731       | 7-31 1511137-31    | •• Rod End Assy .....   | 1          |
| 13                 | PAOFF              | 02731       | 7-31 1511137-33    | •• Rod End Assy .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS171604           | ••• Pin, Spring (U/O P/N 7-311511137-31) .....  | 1          |
| 15                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | ••• Bearing, Plain, Self- .....   | 2          |
| 16                 | XDOZZ              | 02731       | HS4951-1           | ••• Plate, Identificatio .....  | 1          |
| 17                 | PAOZZ              | 96906       | MS17826-9          | • Nut, Self-Locking, Ca .....   | 4          |
| 18                 | PAOZZ              | 96906       | MS20002-9          | • Washer, Flat .....  | 4          |
| 19                 | PAOZZ              | 96906       | MS20002C9          | • Washer, Recessed .....  | 4          |
| 20                 | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....  | V          |
| 21                 | PAOZZ              | 80205       | NAS6209-25D        | • Bolt, Shear .....   | 4          |
| 22                 | PAOZZ              | 02731       | 7-21 1511196       | • Washer, Flat .....  | 2          |
| 23                 | PAOZZ              | 02731       | 7-21 1511199-3     | • Bearing, Washer, Thru .....   | 4          |
| 24                 | PAOZZ              | 02731       | 7-21 1511197-5     | • Bushing, Sleeve .....   | 4          |
| 25                 | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....   | 2          |
| 26                 | PAOZZ              | 96906       | MS17826-10         | • Nut, Self-Locking, SI .....   | 2          |
| 27                 | PAOZZ              | 80205       | NAS1149D1063K      | • Washer, Flat .....  | 2          |
| 28                 | PAOZZ              | 02731       | 7-21 1511224       | • Washer, Flat .....  | 2          |
| 29                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....  | 2          |
| 30                 | PAODD              | 02731       | 7-31 1511158-3     | • Scissors Assy, Main .....   | 1          |
| 31                 | PAOFF              | 8V613       | 7-31 1511158-5     | • Scissors Assy, Main .....   | 1          |
| 32                 | PAOZZ              | 76005       | RS40-7             | •• Pin, Cotter .....  | 1          |
| 33                 | PAOZZ              | 96906       | MS17826-14         | •• Nut, Self-Locking, SI .....  | 1          |
| 34                 | PAOZZ              | 96906       | MS21206-14         | •• Washer, Flat .....   | 1          |
| 35                 | PAOZZ              | 96906       | MS21206-C14        | •• Washer, Recessed .....   | 1          |
| 36                 | PAOZZ              | 02731       | 7-21 1511160-3     | •• Bolt, Shear .....  | 1          |
| 37                 | PAOZZ              | 02731       | 7-21 1511195       | •• Spacer, Plate (U/O P/N 7-311511158-3) .....  | 2          |
| 38                 | PAOZZ              | 02731       | 7-21 1511166       | •• Bearing, Washer, Thru (U/O P/N 7-311511158-3) .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-21 1511167       | •• Bushing, Sleeve (U/O P/N 7-311511158-3) .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-21 1511167-3     | •• Bushing, Sleeve (U/O P/N 7-311511158-5) .....  | 2          |
| 40                 | PAOFF              | 02731       | 7-31 1511159       | •• Arm Assy, Flight Con .....   | 1          |
| 41                 | PAFZZ              | 02731       | HS5444-0003        | ••• Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511163) .....   | 2          |
| 41                 | PAFZZ              | 02731       | 7-21 1511163       | ••• Bearing, Sleeve .....   | 2          |
| 41                 | PAOZZ              | 02731       | HS5444-0004        | ••• Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511163) .....   | 2          |
| 42                 | PAODD              | 02731       | 7-31 1511161       | •• Arm Assy, Flight Con .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 43                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | ••• Bearing, Plain, Self- .....             | 1          |
| 44                 | PAODD              | 02731       | 7-31 1511101-23    | • Swashplate, Controll .....                | 1          |
| 45                 | PAOZZ              | 02731       | HS5284LN01         | •• Locknut, Special .....                   | 2          |
| 46                 | PAOZZ              | 02731       | HS5284-3001        | •• Transducer, Motional .....               | 1          |
| 47                 | PAOZZ              | 96906       | MS24665-302        | •• Pin, Cotter .....                        | 2          |
| 48                 | PAOZZ              | 96906       | MS17826-10         | •• Nut, Self-Locking, SI .....              | 2          |
| 49                 | PAOZZ              | 80205       | NAS1149D1063K      | •• Washer, Flat .....                       | 2          |
| 50                 | PAFZZ              | 88044       | AN960KD1016L       | •• Washer, Flat .....                       | V          |
| 51                 | PAOZZ              | 02731       | 7-21 1511201       | •• Pin, Shoulder, Headle .....              | 2          |
| END OF FIGURE      |                    |             |                    |   |            |





| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 588 Rotor Controls, Upper Main<br>(Torque and Lateral Links)<br>7-31 1511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....   | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....   | 3          |
| 3                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....  | V          |
| 4                  | PAOZZ              | 02731       | HS5039-0261        | • Bolt, Close Toleranc .....  | 1          |
| 5                  | PAOZZ              | 02731       | 7-31 1511155-3     | • Bushing, Sleeve .....   | 1          |
| 6                  | PAOZZ              | 96906       | MS17826-16         | • Nut, Self-Locking, Sl .....   | 2          |
| 7                  | PAOZZ              | 96906       | MS21206-16         | • Washer, Flat .....  | 2          |
| 8                  | PAOZZ              | 02731       | 7-21 1511211-3     | • Bolt, Self-Locking .....  | 2          |
| 9                  | PAOZZ              | 88044       | AN960-1616L        | • Washer, Flat .....  | V          |
| 10                 | PAOZZ              | 02731       | 7-31 1511122-3     | • Spacer, Sleeve .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-31 1511210-3     | • Bushing, Sleeve .....   | 2          |
| 12                 | PAOFF              | 02731       | 7-31 1511181-43    | • Connecting Link, Rig .....  | 1          |
| 13                 | PAFZZ              | 02731       | 7-21 1511193       | •• Plate, Retaining, Bea .....  | 1          |
| 14                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | •• Bearing, Plain, Self- .....  | 1          |
| 15                 | PAFZZ              | 02731       | 7-21 1511192       | •• Bushing, Mounting, To .....  | 1          |
| 16                 | PAFZZ              | 02731       | HS5508-13          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511121) .....  | 2          |
| 16                 | PAFZZ              | 02731       | HS5508-14          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511121) .....  | 2          |
| 16                 | PAFZZ              | 02731       | 7-31 1511121       | •• Bushing, Sleeve .....  | 2          |
| 17                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....   | 1          |
| 18                 | PAOZZ              | 02731       | HS5039-0264        | • Bolt, Close Toleranc .....  | 2          |
| 19                 | PAOZZ              | 02731       | 7-31 1511202-5     | • Bushing, Sleeve .....   | 2          |
| 20                 | PAOZZ              | 02731       | HS5039-0255        | • Bolt, Close Toleranc .....  | 2          |
| 21                 | PAOZZ              | 02731       | 7-31 1511155-15    | • Bushing, Sleeve .....   | 2          |
| 22                 | PAOZZ              | 02731       | 7-21 1511205-3     | • Limiter, Link, Contro .....   | 2          |
| 23                 | PAOFF              | 02731       | 7-31 1511182-17    | • Link Assy, Main Roto .....  | 2          |
| 24                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | •• Bearing, Plain, Self- .....  | 2          |
| 25                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-097H

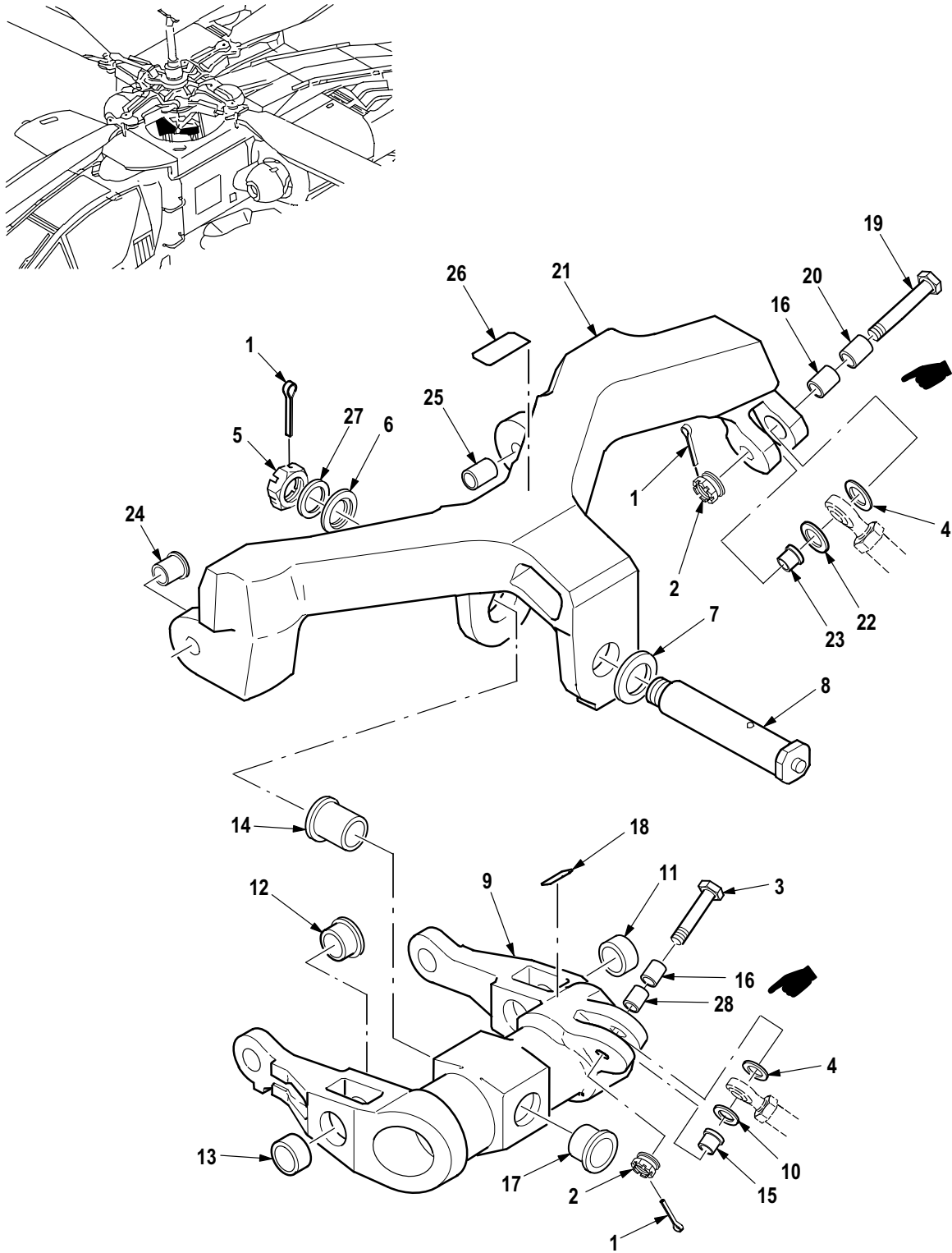
Figure 589. Group 11 Rotor Controls, Upper Main (Forward Longitudinals)  
7-31 1511100



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 589 Rotor Controls, Upper Main<br>(Forward Longitudinals)<br>7-31 1511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....  | 5          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....  | 1          |
| 3                  | PAOZZ              | 02731       | HS5039-0250        | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....   | V          |
| 5                  | PAOZZ              | 02731       | 7-31 1511155-13    | • Bushing, Sleeve .....  | 2          |
| 6                  | PAOZZ              | 96906       | MS17826-20         | • Nut, Self-Locking, Sl .....  | 2          |
| 7                  | PAOZZ              | 88044       | AN960-2016         | • Washer, Flat .....   | 2          |
| 8                  | PAOZZ              | 02731       | 7-31 1511122-9     | • Spacer, Sleeve .....   | 1          |
| 9                  | PAOZZ              | 02731       | 7-31 1511122-7     | • Spacer, Sleeve .....   | 1          |
| 10                 | PAOZZ              | 02731       | 7-21 1511177-3     | • Washer, Flat .....   | 3          |
| 11                 | PAOZZ              | 02731       | 7-21 1511133-3     | • Bolt, Self-Locking .....   | 2          |
| 12                 | PAOZZ              | 96906       | MS21224-9          | • Nut, Self-Locking, As .....  | 4          |
| 13                 | PAOZZ              | 96906       | MS27576-9-26       | • Bolt, Close Toleranc .....   | 2          |
| 14                 | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....   | V          |
| 15                 | PAOZZ              | 02731       | 7-31 1511155-7     | • Bushing, Sleeve .....  | 2          |
| 16                 | PAOFF              | 02731       | 7-31 1511130-15    | • Connecting Link, Rig .....   | 2          |
| 17                 | PAFZZ              | 02731       | 7-21 1511168       | •• Bearing, Plain, Self- .....   | 2          |
| 18                 | PAOZZ              | 02731       | 7-31 1511122-5     | • Spacer, Sleeve .....   | 1          |
| 19                 | PAOZZ              | 02731       | 7-31 1511155-9     | • Bushing, Sleeve .....  | 1          |
| 20                 | PAODD              | 02731       | 7-31 1511127-7     | • Bell Crank .....   | 1          |
| 21                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....  | 1          |
| 22                 | PAFZZ              | 02731       | 7-31 1511202-13    | •• Bushing, Sleeve .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 590 Rotor Controls, Upper Main<br>(AFT Longitudinals)<br>7-31 1511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....  | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-9          | • Nut, Self-Locking, As .....  | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-9-32       | • Bolt, Close Toleranc .....   | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....   | V          |
| 5                  | PAOZZ              | 02731       | 7-31 1511155-5     | • Bushing, Sleeve .....  | 2          |
| 6                  | PAOZZ              | 02731       | 7-21 1511216-9     | • Washer, Flat .....   | 2          |
| 7                  | PAOFF              | 02731       | 7-31 1511130-15    | • Connecting Link, Rig .....   | 2          |
| 8                  | PAFZZ              | 02731       | 7-21 1511168       | • • Bearing, Plain, Self- .....  | 2          |
| 9                  | PAOZZ              | 96906       | MS17826-16         | • Nut, Self-Locking, SI .....  | 2          |
| 10                 | PAOZZ              | 96906       | MS21206-16         | • Washer, Flat .....   | 2          |
| 11                 | PAOZZ              | 02731       | 7-21 1511209-3     | • Bolt, Internally Rel .....   | 2          |
| 12                 | PAOZZ              | 88044       | AN960-1616L        | • Washer, Flat .....   | V          |
| 13                 | PAOZZ              | 02731       | 7-31 1511122-3     | • Spacer, Sleeve .....   | 2          |
| 14                 | PAOZZ              | 02731       | 7-31 1511210-5     | • Bushing, Sleeve .....  | 2          |
| 15                 | PAOFF              | 02731       | 7-31 1511125-17    | • Bell Crank .....   | 1          |
| 16                 | PAFZZ              | 02731       | HS5507-23          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511207-5) .....  | 2          |
| 16                 | PAFZZ              | 02731       | HS5507-24          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511207-5) .....  | 2          |
| 16                 | PAFZZ              | 02731       | 7-31 1511207-5     | • • Bushing, Sleeve .....  | 2          |
| 17                 | PAFZZ              | 02731       | HS5504-15          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-19) .....                                       | 2          |
| 17                 | PAFZZ              | 02731       | HS5504-16          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-19) .....                                       | 2          |
| 17                 | PAFZZ              | 02731       | 7-31 1511202-19    | • • Bushing, Sleeve .....  | 2          |
| 18                 | PAFZZ              | 02731       | HS5443-1           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511146) .....  | 2          |
| 18                 | PAFZZ              | 02731       | HS5443-2           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511146) .....  | 2          |
| 18                 | PAFZZ              | 02731       | 7-21 1511146       | • • Bearing, Sleeve .....  | 2          |
| 19                 | PAFZZ              | 02731       | HS5445-1           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511147) .....  | 4          |
| 19                 | PAFZZ              | 02731       | HS5445-2           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511147) .....  | 2          |
| 19                 | PAFZZ              | 02731       | 7-21 1511147       | • • Bearing, Sleeve .....  | 4          |
| 20                 | PAFZZ              | 02731       | HS5443-3           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511148) .....  | 2          |
| 20                 | PAFZZ              | 02731       | HS5443-4           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511148) .....  | 2          |
| 20                 | PAFZZ              | 02731       | 7-21 1511148       | • • Bearing, Sleeve .....  | 2          |
| 21                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



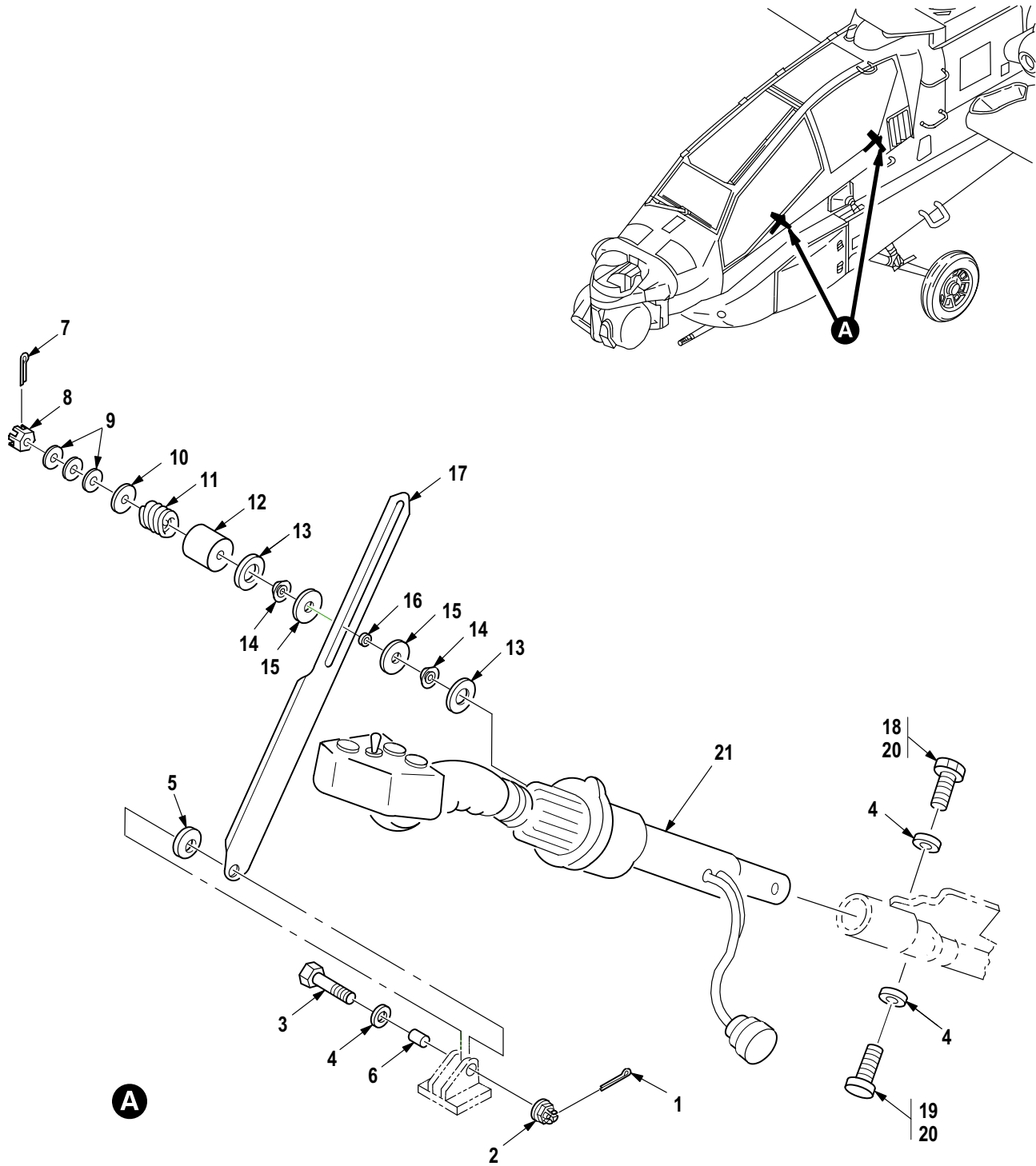
M09-096H

Figure 591. Group 11 Rotor Controls, Upper Main (Collective and Laterals)  
7-31 1511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 591 Rotor Controls, Upper Main<br>(Collective and Laterals)<br>7-31 1511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....  | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....  | 2          |
| 3                  | PAOZZ              | 02731       | HS5039-0250        | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....   | V          |
| 5                  | PAOZZ              | 96906       | MS17826-20         | • Nut, Self-Locking, Sl .....  | 1          |
| 6                  | PAOZZ              | 02731       | 7-21 1511217       | • Washer, Recessed .....   | 1          |
| 7                  | PAOZZ              | 02731       | 7-21 1511216       | • Washer, Flight Contr .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-21 1511134-3     | • Bolt, Rotor Controls .....   | 1          |
| 9                  | PAODD              | 02731       | 7-31 1511117-13    | • Bell Crank Collective .....  | 1          |
| 10                 | PAOZZ              | 02731       | 7-21 1511216-13    | •• Washer, Flat .....  | 1          |
| 11                 | PAFZZ              | 02731       | HS5504-23          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-1 1) .....   | 1          |
| 11                 | PAFZZ              | 02731       | HS5504-24          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-1 1) .....   | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1511202-1 1   | •• Bushing, Sleeve .....   | 1          |
| 12                 | PAFZZ              | 02731       | HS5443-7           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C031B) .....  | 1          |
| 12                 | PAFZZ              | 02731       | HS4618-26C031B     | •• Bearing, Sleeve .....   | 1          |
| 12                 | PAFZZ              | 02731       | HS5443-8           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C031B) .....  | 1          |
| 13                 | PAFZZ              | 02731       | HS5443-5           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C023B) .....  | 1          |
| 13                 | PAFZZ              | 02731       | HS4618-26C023B     | •• Bearing, Sleeve .....   | 1          |
| 13                 | PAFZZ              | 02731       | HS5443-6           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C023B) .....  | 1          |
| 14                 | PAFZZ              | 02731       | HS5513-3           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N 7-311511118-5) .....   | 1          |
| 14                 | PAFZZ              | 02731       | HS5513-4           | •• Bearing, Sleeve<br>(Oversize Bearing for P/N 7-311511118-5) .....   | 1          |
| 14                 | PAFZZ              | 02731       | 7-31 1511118-5     | •• Bearing, Sleeve .....   | 1          |
| 15                 | PAFZZ              | 02731       | HS5508-1 1         | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511120) .....   | 1          |
| 15                 | PAFZZ              | 02731       | HS5508-12          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511120) .....   | 1          |
| 15                 | PAFZZ              | 02731       | 7-31 1511120       | •• Bushing, Sleeve .....   | 1          |
| 16                 | PAFZZ              | 02731       | 7-31 1511202-13    | •• Bushing, Sleeve .....   | 1          |
| 17                 | PAFZZ              | 02731       | 7-31 1511118-3     | •• Bearing, Sleeve .....   | 1          |
| 18                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....  | 1          |
| 19                 | PAOZZ              | 02731       | HS5039-0257        | • Bolt, Close Toleranc .....   | 1          |
| 20                 | PAOZZ              | 02731       | 7-31 1511155-17    | • Bushing, Main Rotor .....  | 1          |
| 21                 | PAODD              | 02731       | 7-31 1511123-17    | • Bell Crank .....   | 1          |
| 22                 | PAOZZ              | 02731       | 7-21 1511216-13    | •• Washer, Flat .....  | 1          |
| 23                 | PAFZZ              | 02731       | HS5507-19          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511203-7) .....   | 1          |
| 23                 | PAFZZ              | 02731       | HS5507-20          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511203-7) .....   | 1          |
| 23                 | PAFZZ              | 02731       | 7-31 1511203-7     | •• Bushing, Sleeve .....   | 1          |
| 24                 | PAFZZ              | 02731       | HS5507-15          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511208) .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 24                 | PAFZZ              | 02731       | HS5507-16          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511208) .....    | 1          |
| 24                 | PAFZZ              | 02731       | 7-31 1511208       | •• Bushing, Sleeve .....  | 2          |
| 25                 | PAFZZ              | 02731       | HS5504-17          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-21) ..... | 1          |
| 25                 | PAFZZ              | 02731       | HS5504-18          | •• Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-21) ..... | 1          |
| 25                 | PAFZZ              | 02731       | 7-31 1511202-21    | •• Bushing, Sleeve .....  | 2          |
| 26                 | XDOZZ              | 02731       | HS4951-1           | •• Plate, Identificatio .....   | 1          |
| 27                 | PAOZZ              | 88044       | AN960-2016         | • Washer, Flat .....  | 1          |
| 28                 | PAFZZ              | 02731       | 7-31 1511155-13    | • Bushing, Sleeve .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



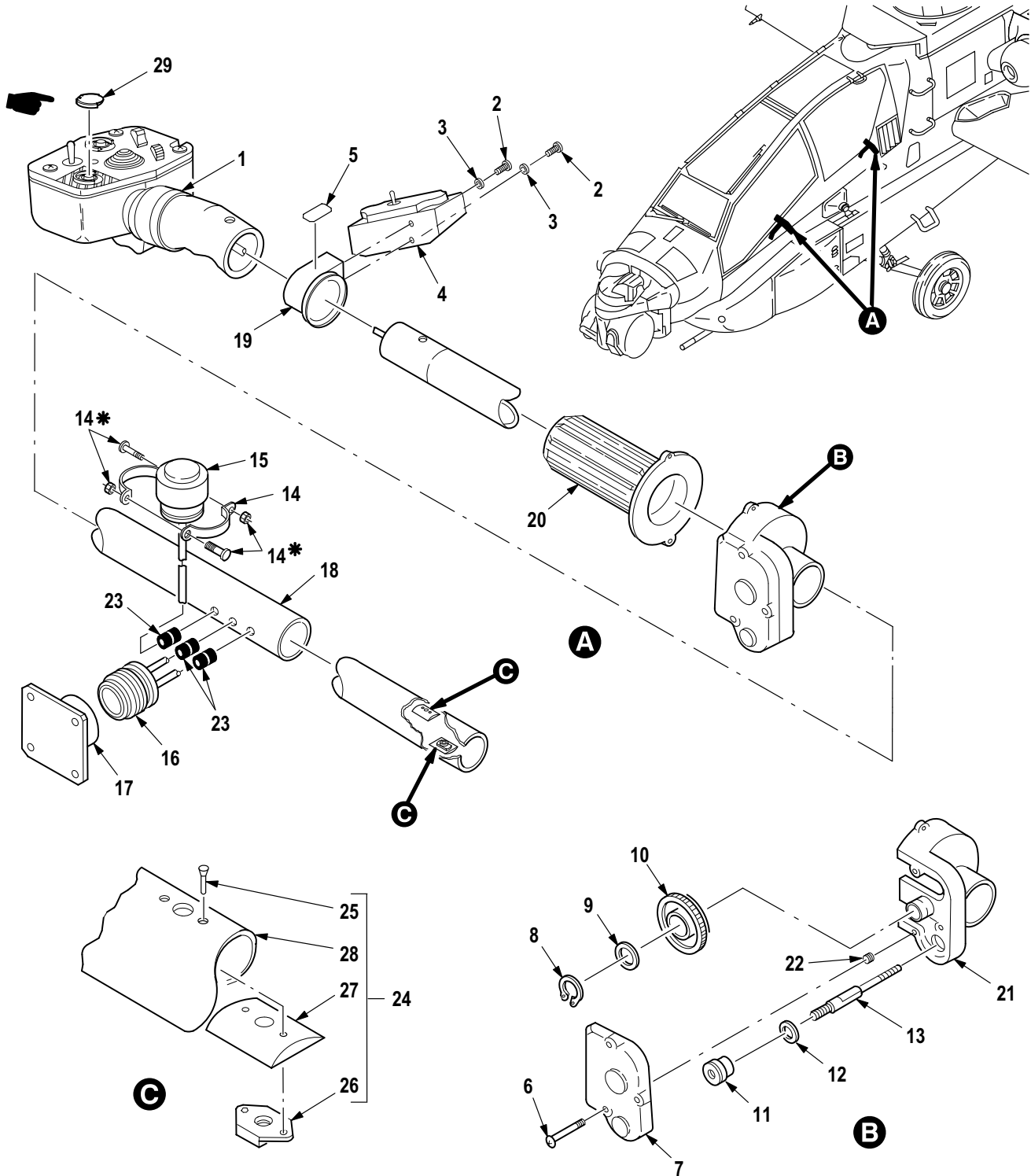


M09-956C

Figure 592. Group 11 Stick Installation, Collective  
7-31 1512000 (Pilot)  
7-31 1513000 (Copilot/Gunner)



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 592 Stick Installation, Collective<br>7-31 1512000 (Pilot)<br>7-31 1513000 (Copilot/Gunner) |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 2          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 3                  | PAOZZ              | 96906       | MS27576-4-08       | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 5          |
| 5                  | PAOZZ              | 88044       | AN960KD616         | • Washer, Flat .....   | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04022       | • Bushing, Sleeve .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS24665-88         | • Pin, Cotter .....  | 1          |
| 8                  | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, Sl .....  | 1          |
| 9                  | PAOZZ              | 88044       | AN960C416L         | • Washer, Flat .....   | V          |
| 10                 | PAOZZ              | 02731       | 7-1 15112042-3     | • Washer, Flat .....   | 1          |
| 11                 | PAOZZ              | 02731       | 7-1 15112044-3     | • Spring, Helical, Comp .....  | 1          |
| 12                 | PAOZZ              | 02731       | 7-1 15112043-3     | • Retainer, Helical Co .....   | 1          |
| 13                 | PAOZZ              | 02731       | 7-31 1512112-3     | • Washer, Concave .....  | 2          |
| 14                 | PAOZZ              | 02731       | 7-31 1512112-5     | • Washer, Shouldered A .....   | 2          |
| 15                 | PAOZZ              | 02731       | 7-31 1512111       | • Washer, Flat .....   | 2          |
| 16                 | PAOZZ              | 02731       | 7-31 1512113       | • Bushing, Sleeve .....  | 1          |
| 17                 | PAOZZ              | 02731       | 7-31 1512016-3     | • Guide, Friction Adju .....   | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604H5          | • Bolt, Shear .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....  | 1          |
| 20                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....  | 2          |
| 21                 | PAOFF              | 02731       | 7-31 1512001-3     | • Control Stick, Aircr (See Fig. 593 for Breakdown) .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

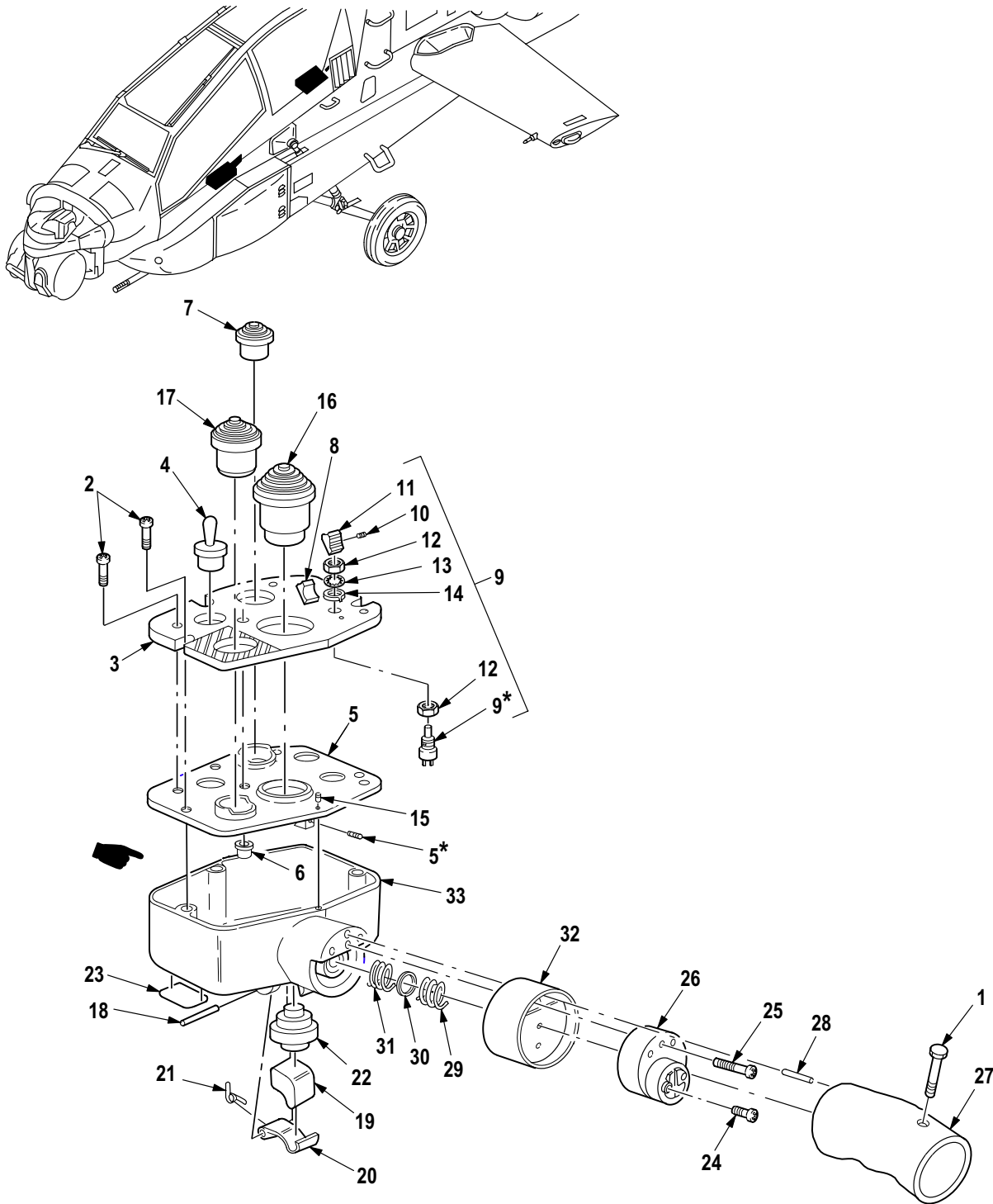


\* SUPPLIED WITH ATTACHED ITEM

M09-090F

Figure 593. Group 11 Control Stick, Aircraft (Pilot and Copilot/Gunner)  
7-31 1512001-3

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 593 Control Stick, Aircraft<br>(Pilot and Copilot/Gunner)<br>7-31 1512001-3<br>See Fig. 592 for NHA |            |
| 1                  | PAOOO              | 02731       | 7-21 1512007-101   | • Grip Assembly, Contr (See Fig. 594 for Breakdown) . . . . .  | 1          |
| 2                  | PAOZZ              | 88044       | AN503-6-6          | • Screw, Machine . . . . .   | 2          |
| 3                  | PAOZZ              | 96906       | MS35338-41         | • Washer, Lock . . . . .   | 2          |
| 4                  | XDOOO              | 02731       | 7-31 1D10015       | • Switch Assembly (See Fig. 595 for Breakdown) . . . . .   | 1          |
| 5                  | XDFZZ              | 02731       | 7-21 1512075       | • Decal . . . . .  | 1          |
| 6                  | PAFZZ              | 96906       | MS21097-04010      | • Screw, Cap, Socket He . . . . .  | 3          |
| 7                  | PAFZZ              | 02731       | 7-21 1512072       | • Cover, Support, Frict . . . . .  | 1          |
| 8                  | PAFZZ              | 96906       | MS16624-4046       | • Ring, Retaining . . . . .  | 1          |
| 9                  | PAFZZ              | 80205       | NAS1149D0816K      | • Washer, Flat . . . . .   | 1          |
| 9                  | PAFZZ              | 80205       | NAS1149C0816R      | • Washer, Flat . . . . .   | 1          |
| 9                  | PAFZZ              | 88044       | AN960C816L         | • Washer, Flat . . . . .   | 1          |
| 10                 | PAFZZ              | 02731       | 7-21 1512079       | • Gear Cluster . . . . .   | 1          |
| 11                 | PAFZZ              | 02731       | 7-21 1512069       | • Gear, Spur . . . . .   | 1          |
| 12                 | PAFZZ              | 02731       | HS306A34H          | • Washer, Flat . . . . .   | 1          |
| 13                 | PAFZZ              | 02731       | 7-21 1512070-3     | • Shaft, Friction Coll . . . . .   | 1          |
| 14                 | PAOZZ              | 81349       | M85049/49-2-16W    | • Clamp, Cable, Electri . . . . .  | 1          |
| 15                 | PAOZZ              | 96906       | MS27467T17B8P      | • Connector, Plug, Elec . . . . .  | 1          |
| 16                 | PAFZZ              | 96906       | MS27467T21B41PN    | • Connector, Plug, Elec . . . . .  | 1          |
| 17                 | XDFZZ              | 81349       | M85049/27-20W      | • Backshell . . . . .  | 1          |
| 18                 | PAFFF              | 02731       | 7-31 1512004       | • Tube Assy, Collectiv . . . . .   | 1          |
| 19                 | PAFZZ              | 02731       | 7-31 1512078       | • Retainer, Rotor Cont . . . . .   | 1          |
| 20                 | PAFZZ              | 02731       | 7-21 1512077       | • Handle, Gear, Flight . . . . .   | 1          |
| 21                 | PAFFF              | 02731       | 7-31 1512076       | • Housing Assy, Rotor . . . . .  | 1          |
| 22                 | PAFZZ              | 96906       | MS51830-102        | • Insert, Screw Thread . . . . .   | 3          |
| 23                 | PAFZZ              | 80205       | NAS557-6C          | • Grommet, Nonmetallic . . . . .   | 3          |
| 24                 | PAFFF              | 02731       | 7-21 1512034-3     | • Control Rod . . . . .  | 1          |
| 25                 | PAFZZ              | 02731       | HS4463-3-312       | • Rivet, Blind . . . . .   | 4          |
| 26                 | PAFZZ              | 96906       | MS21075L4E         | • Nut, Self-Locking, Pl . . . . .  | 2          |
| 27                 | XAFZZ              | 02731       | 7-21 1512034-5     | • Plate . . . . .  | 2          |
| 28                 | XAFZZ              | 02731       | 7-21 1512034       | • Tube . . . . .   | 1          |
| 29                 | PAOZZ              | 81996       | FCH0002121         | • Cover, Access . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

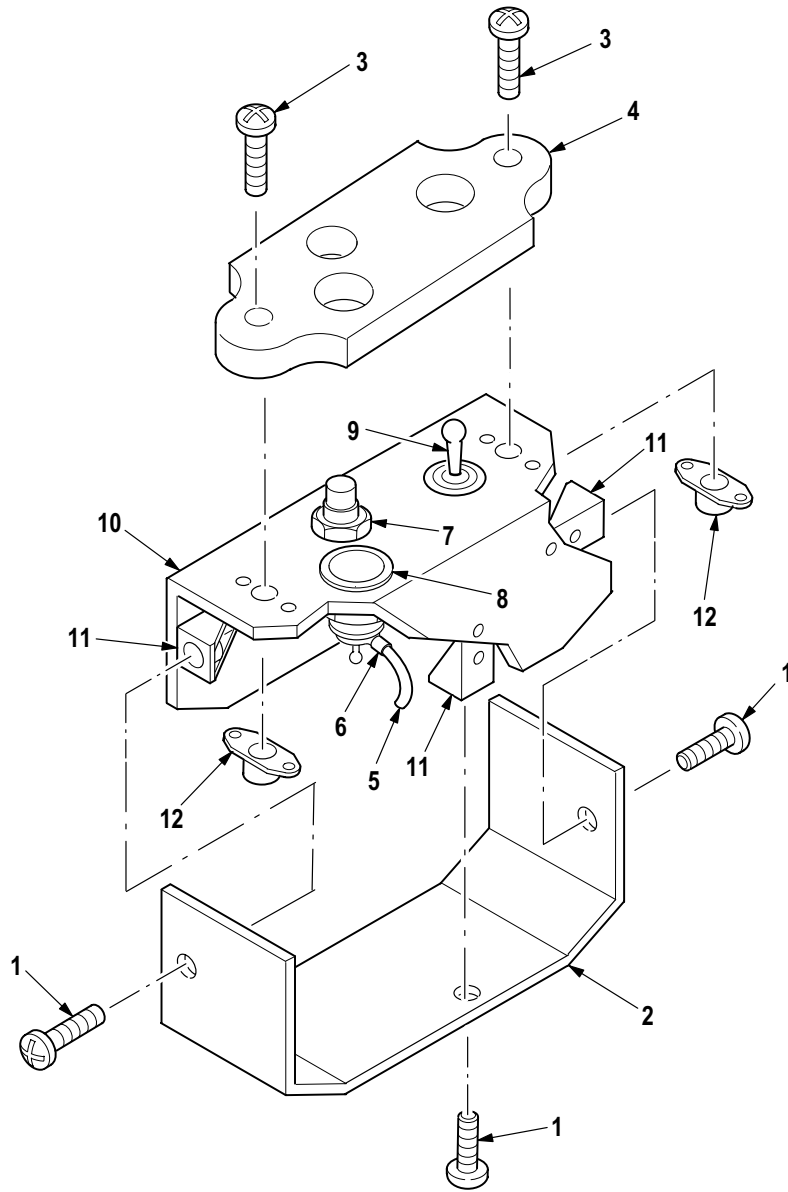
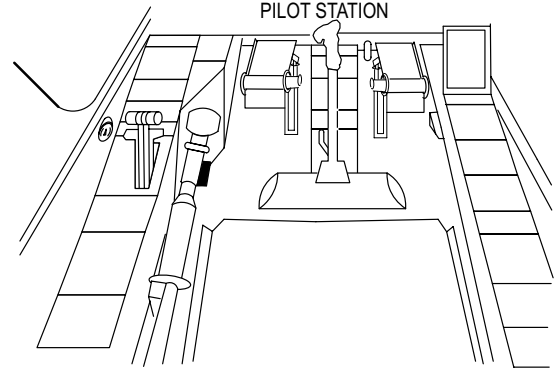
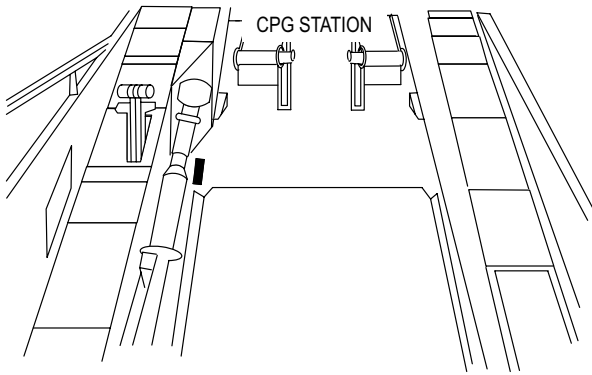


\*SUPPLIED WITH ATTACHED ITEM

M09-655D

Figure 594. Group 11 Grip Assembly, Control, Collective Stick (Pilot and Copilot/Gunner)  
7-21 1512007-101

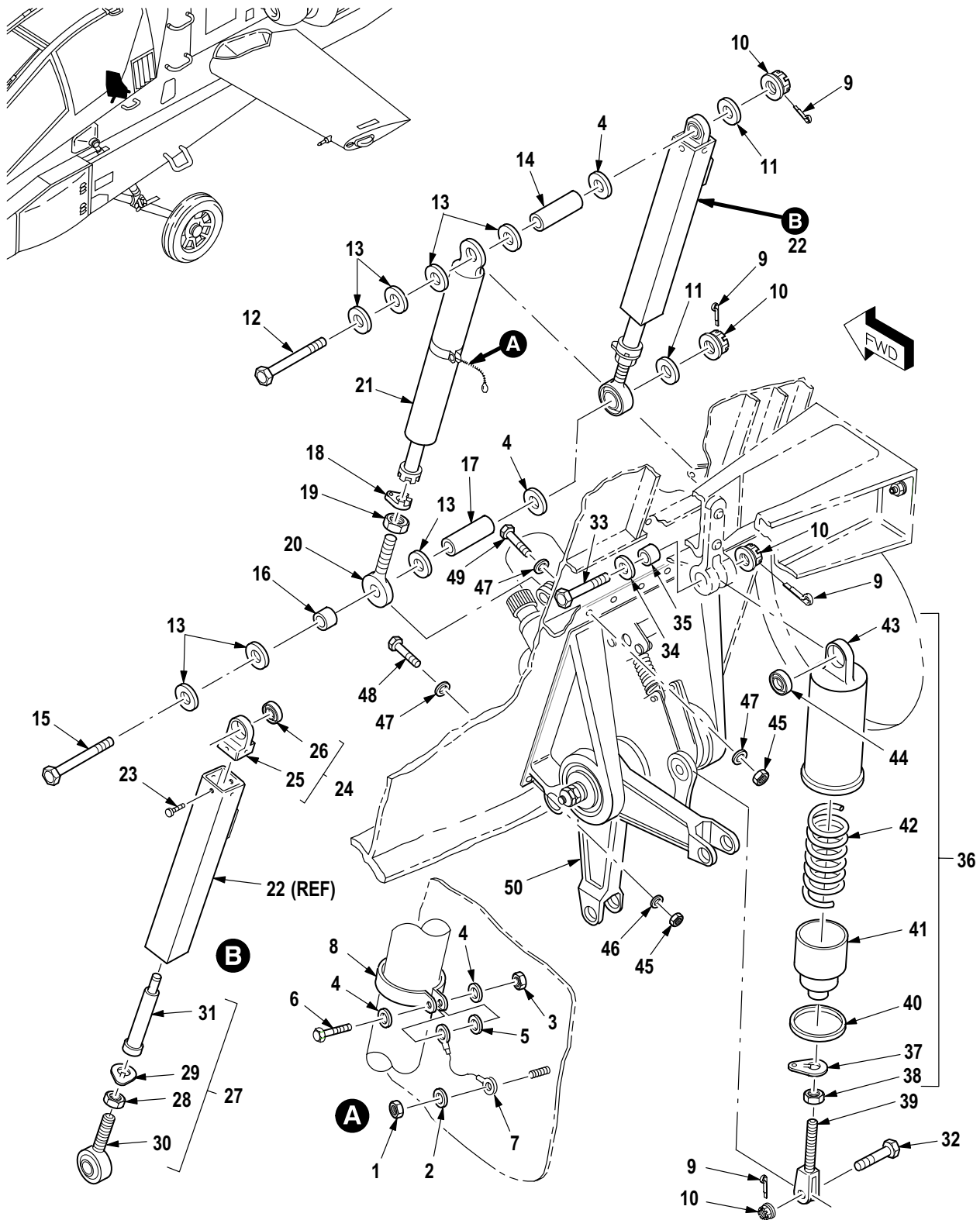
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 594 Grip Assembly, Control,<br>Collective Stick (Pilot and Copilot/Gunner)<br>7-21 1512007-101<br>See Fig. 593 for NHA |            |
| 1                  | PAOZZ              | 81579       | 724-277-1          | • Bolt, Grip Control  | 1          |
| 2                  | PAOZZ              | 96906       | MS51957-29B        | • Screw, Machine  | 6          |
| 3                  | PAOZZ              | 81579       | 724-0103-01        | • Panel, Indicating, Li   | 1          |
| 4                  | PAOZZ              | 96906       | MS90310-31 1       | • Switch, Toggle  | 1          |
| 5                  | PAOZZ              | 81579       | 724-0103-3         | • Plate, Switch, Grip C   | 1          |
| 6                  | PAOZZ              | 96906       | MS90335-6          | • Connector, Receptacl  | 1          |
| 7                  | PAOZZ              | 96906       | MS25089-1A         | • Switch, Push  | 1          |
| 8                  | PAOZZ              | 81579       | 997-0166           | • Switch, Toggle  | 1          |
| 9                  | PAOOO              | 81579       | 997-0034           | • Switch, Toggle  | 1          |
| 10                 | PAOZZ              | 96906       | MS51963-3          | • • Setscrew  | 1          |
| 11                 | PAOZZ              | 81579       | STD653-1           | • • Knob  | 1          |
| 12                 | XDOZZ              | 96906       | MS25082-8          | • • Nut, Hex  | 2          |
| 13                 | PAOZZ              | 96906       | MS35333-121        | • • Washer, Lock  | 1          |
| 14                 | XDOZZ              | 96906       | MS25081-4          | • • Washer, Key   | 1          |
| 15                 | PAOZZ              | 96906       | MS51963-1 1        | • Setscrew  | 1          |
| 16                 | PAOZZ              | 81579       | 400-4330           | • Switch, Toggle  | 1          |
| 17                 | PAOZZ              | 81579       | STD959-27          | • Switch, Push  | 1          |
| 18                 | PAOZZ              | 81579       | 724-244-1          | • Pin, Grip Control   | 1          |
| 19                 | PAOZZ              | 81579       | 724-223-1          | • Trigger, Grip Contro  | 1          |
| 20                 | PAOZZ              | 81579       | 724-216-1          | • Guard, Grip Control   | 1          |
| 21                 | PAOZZ              | 81579       | 724-231-1          | • Spring, Grip Control  | 1          |
| 22                 | PAOZZ              | 81579       | STD979-14          | • Switch, Push  | 1          |
| 23                 | XDOZZ              | 81579       | 724-0101-9         | • Plate, Ident  | 1          |
| 24                 | PAOZZ              | 96906       | MS51957-33B        | • Screw, Machine  | 2          |
| 25                 | PAOZZ              | 96906       | MS51959-34B        | • Screw, Machine  | 3          |
| 26                 | PAOZZ              | 81579       | 724-0101-04        | • Switch and Bracket  | 1          |
| 27                 | PAOZZ              | 81579       | 724-0101-05        | • Grip, Control   | 1          |
| 28                 | PAOZZ              | 96906       | MS16555-624        | • Pin, Straight, Headle   | 1          |
| 29                 | PAOZZ              | 84830       | LC038G1SS          | • Spring, Compression   | 1          |
| 30                 | PAOZZ              | 81579       | 724-0101-5         | • Washer, Grip Control  | 1          |
| 31                 | PAOZZ              | 81579       | 724-0101-2         | • Spring, Grip Control  | 1          |
| 32                 | PAOZZ              | 81579       | 724-0101-03        | • Collar, Grip Control  | 1          |
| 33                 | PAOZZ              | 81579       | 724-0101-02        | • Grip, Control   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1267

Figure 595. Group 11 Switch Assembly, Stabilator, Manual 7-31 1D10015

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 595 Switch Assembly, Stabilator, Manual<br>7-31 1D10015<br>See Fig. 593 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS600-3B          | • Screw, Machine .....   | 3          |
| 2                  | XAOZZ              | 02731       | 7-31 1D10016-5     | • Cover, Manual Switch .....   | 1          |
| 3                  | PAOZZ              | 80205       | NAS601-10P         | • Screw, Machine .....   | 2          |
| 4                  | PAOZZ              | 02731       | 7-31 1D10013       | • Panel, Indicating, Li .....  | 1          |
| 5                  | XDOOO              | 02731       | 7-31 1B24648-003   | • Harness .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS25036-148        | •• Terminal, Lug .....   | 1          |
| 7                  | PAOZZ              | 81349       | M8805/96-009       | • Switch, Push .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS90310-271        | • Switch, Toggle .....   | 1          |
| 10                 | XAOZZ              | 02731       | 7-31 1D10014-7     | • Channel Assy .....   | 1          |
| 11                 | PAOZZ              | 02731       | HS4177-04          | •• Nut, Self-Locking, PI .....   | 3          |
| 12                 | PAOZZ              | 80205       | MS21075L06N        | •• Nut, Self-Locking, PI .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-656K

Figure 596. Group 11 Stick Installation, Pilot Collective (Support)  
7-31 1512000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 596 Stick Installation, Pilot<br>Collective (Support)<br>7-31 1512000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .   | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 7                  | PAOZZ              | 96906       | MS25083-2AB5       | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 8                  | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 9                  | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter . . . . .  | 4          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .  | 4          |
| 11                 | PAOZZ              | 55284       | 2606588            | • Washer, Flat . . . . .   | 2          |
| 12                 | PAOZZ              | 96906       | MS27576-3-27       | • Bolt, Close Toleranc . . . . .   | 1          |
| 13                 | PAOZZ              | 88044       | AN960KD10          | • Washer, Flat . . . . .   | 7          |
| 14                 | PAOZZ              | 02731       | HS5542-03020       | • Bushing, Sleeve . . . . .  | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-3-28       | • Bolt, Close Toleranc . . . . .   | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-03012       | • Bushing, Sleeve . . . . .  | 1          |
| 17                 | PAOZZ              | 80205       | NAS43HT3-46        | • Spacer, Sleeve . . . . .   | 1          |
| 18                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .  | 1          |
| 19                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .  | 1          |
| 20                 | PAOZZ              | 02731       | 7-31 1512096       | • Connector, Rod End . . . . .   | 1          |
| 21                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .   | 1          |
| 21                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 22                 | PAOOO              | 02731       | 7-31 1660035       | • Transducer, Motional . . . . .   | 1          |
| 23                 | PAOZZ              | 08815       | 146-0039           | •• Screw, Machine . . . . .  | 10         |
| 24                 | PAOFF              | 08815       | 9-1 12-01 16       | •• Bearing Unit, Plain . . . . .   | 1          |
| 25                 | XDOZZ              | 08815       | 112-0452           | ••• Mounting Plate, Rear . . . . .   | 1          |
| 26                 | XDFZZ              | 21335       | KS3LFS160          | ••• Bearing, Ball, Airfra . . . . .  | 1          |
| 27                 | XDOFF              | 08815       | 9-122-0550         | •• Shaft Assembly . . . . .  | 1          |
| 28                 | PAOZZ              | 96906       | MS9882-10          | ••• Nut, Plain, Hexagon . . . . .  | 1          |
| 29                 | PAOZZ              | 80205       | NAS513-4           | ••• Washer, Key . . . . .  | 1          |
| 30                 | PAOZZ              | 96906       | MS21151-7C         | ••• Bearing, Ball, Rod En . . . . .  | 1          |
| 31                 | XAFZZ              | 08815       | 122-0969           | ••• Shaft . . . . .  | 1          |
| 32                 | PAOZZ              | 96906       | MS27576-3-06       | • Bolt, Close Toleranc . . . . .   | 1          |
| 33                 | PAOZZ              | 96906       | MS27576-3-16       | • Bolt, Close Toleranc . . . . .   | 1          |
| 34                 | PAOZZ              | 02731       | HS5079-2346        | • Shim . . . . .   | 1          |
| 35                 | PAOZZ              | 02731       | HS5542-03019       | • Bushing, Sleeve . . . . .  | 1          |
| 36                 | PAOFF              | 02731       | 7-31 1512067-5     | • Cylinder Assembly, A . . . . .   | 1          |
| 37                 | PAOZZ              | 80205       | NAS513-4           | •• Washer, Key . . . . .   | 1          |
| 38                 | XDOZZ              | 80205       | NAS509-4           | •• Nut, Plain, Hexagon . . . . .   | 1          |
| 39                 | PAOZZ              | 02731       | 7-31 1512063-3     | •• Clevis, Rod End . . . . .   | 1          |
| 40                 | PAFZZ              | 81349       | M27426-3132D       | •• Ring, Retaining . . . . .   | 1          |
| 41                 | PAFZZ              | 02731       | 7-31 1512066-3     | •• Piston, Flight Contr . . . . .  | 1          |
| 42                 | PAFZZ              | 02731       | 7-31 1512065       | •• Spring, Helical, Comp . . . . .   | 1          |
| 43                 | PAFFF              | 02731       | 7-31 1512064       | •• Cylinder Assy, Main . . . . .   | 1          |
| 44                 | PAFZZ              | 96906       | MS27645-3A         | ••• Bearing, Ball, Airfra . . . . .  | 1          |
| 45                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .  | 4          |
| 46                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .   | 5          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 47                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 6          |
| 48                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear .....   | 2          |
| 49                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....   | 2          |
| 50                 | PAOFF              | 02731       | 7-31 1512085-11    | • Support Assy, Collec (See Fig. 597 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....      | 1          |
| 50                 | PAOFF              | 02731       | 7-31 1512085-9     | • Support Asst, Collec (See Fig. 597 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) ..... | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



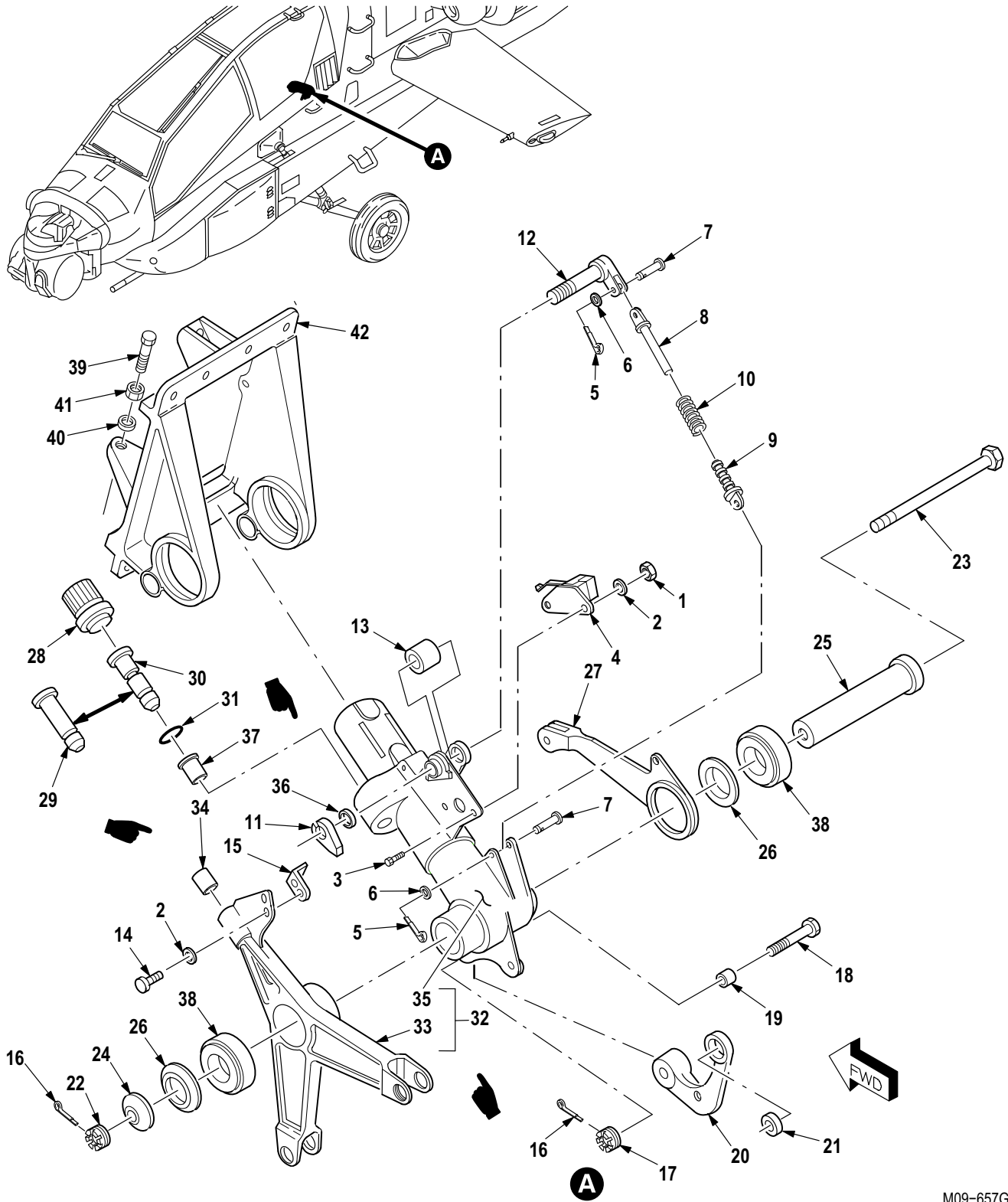
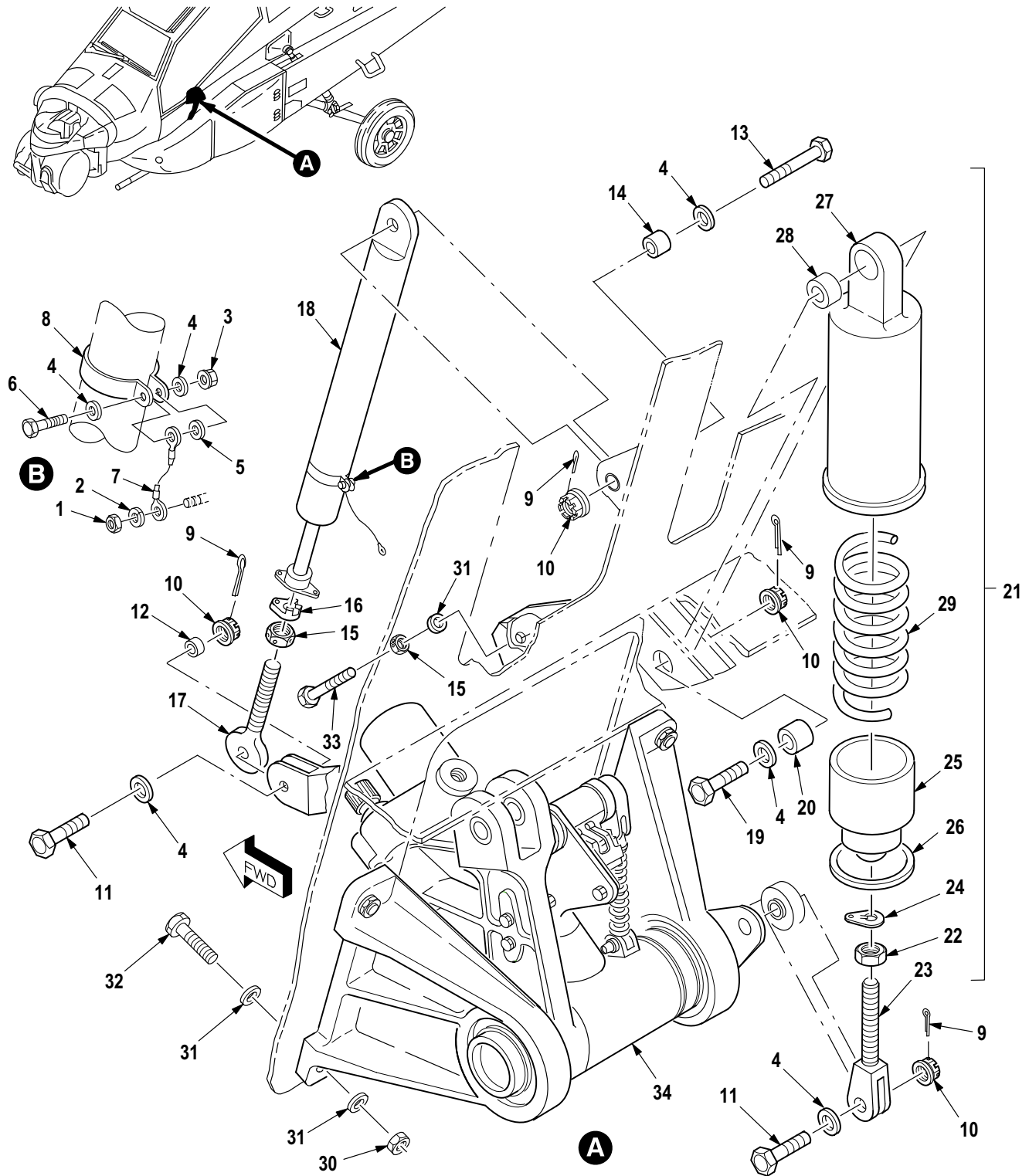


Figure 597. Group 11 Support Assembly, Collective Stick (Pilot)  
7-31 1512085-9 (Usbl Eff 82-23355 thru 88-0199)  
7-31 1512085-11 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 597 Support Assembly, Collective Stick (Pilot)<br>7-31 1512085-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1512085-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 596 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....   | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....  | 5          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....  | 2          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-13    | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) ...  | 1          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-17    | • Switch, Push (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....   | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat .....  | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed .....   | 2          |
| 8                  | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....   | 1          |
| 9                  | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....   | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....   | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....   | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1514084-3     | • Shaft, Actuator Swit .....  | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....  | 1          |
| 14                 | PAFZZ              | 96906       | MS35275-227        | • Screw, Machine .....  | 2          |
| 15                 | PAFZZ              | 02731       | 7-31 1514103-7     | • Detent, Sweep Lever .....   | 1          |
| 16                 | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 2          |
| 17                 | PAFZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As .....   | 1          |
| 18                 | PAFZZ              | 96906       | MS27576-3-17       | • Bolt, Close Toleranc .....  | 1          |
| 19                 | PAFZZ              | 02731       | HS5542-03008       | • Bushing, Sleeve .....   | 1          |
| 20                 | PAFFF              | 02731       | 7-31 1512107       | • Arm Assembly .....  | 1          |
| 21                 | PAFZZ              | 96906       | MS27645-3A         | • • Bearing, Ball, Airfra .....   | 1          |
| 22                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 1          |
| 23                 | PAFZZ              | 96906       | MS27576-4-09       | • Bolt, Close Toleranc .....  | 1          |
| 24                 | PAFZZ              | 02731       | 7-31 1512109       | • Retainer, Flight Con .....  | 1          |
| 25                 | PAFZZ              | 02731       | 7-21 1512089-3     | • Pin, Straight, Headed .....   | 1          |
| 26                 | PAFZZ              | 02731       | 7-21 1513007-5     | • Retainer, Flight Con .....  | 2          |
| 27                 | PAFZZ              | 02731       | 7-31 1512095-3     | • Lever, Remote Contro .....  | 1          |
| 28                 | PAFZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....   | 1          |
| 29                 | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 30                 | PAFZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 31                 | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed .....  | 1          |
| 32                 | PAFFF              | 02731       | 7-31 1512092-3     | • Arm Assy, Collective .....  | 1          |
| 33                 | XAFFF              | 02731       | 7-31 1512088       | • • Arm Assy, Output .....  | 1          |
| 34                 | PAFZZ              | 02731       | 7-31 1514096       | • • • Bushing, Sleeve .....   | 1          |
| 35                 | XAFFF              | 02731       | 7-31 1512087-5     | • • Arm Assembly, Input- .....  | 1          |
| 36                 | PAFZZ              | 02731       | 7-31 1514101       | • • • Bearing, Sleeve .....   | 2          |
| 37                 | PAFZZ              | 02731       | 7-21 1514095-3     | • • • Bearing, Sleeve .....   | 1          |
| 38                 | PAFZZ              | 96906       | MS27642-16         | • Bearing, Ball, Airfra .....   | 2          |
| 39                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine .....   | 2          |
| 40                 | PAFZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 2          |
| 41                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....   | 2          |
| 42                 | PAFZZ              | 02731       | 7-31 1512090-5     | • Support, Flight Cont .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-658E

Figure 598. Group 11 Stick Installation, Copilot/Gunner Collective (Support)  
7-31 1513000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 598 Stick Installation, Copilot/Gunner<br>Collective (Support)<br>7-31 1513000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 2                  | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat (Usbl Eff 82-23355 thru 88-0199) . . . . .   | 6          |
| 5                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 8                  | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 9                  | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter . . . . .   | 4          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .   | 4          |
| 11                 | PAOZZ              | 96906       | MS27576-3-07       | • Bolt, Close Toleranc . . . . .  | 2          |
| 12                 | PAOZZ              | 02731       | HS5542-03012       | • Bushing, Sleeve . . . . .   | 1          |
| 13                 | PAOZZ              | 96906       | MS27576-3-10       | • Bolt, Close Toleranc . . . . .  | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-03014       | • Bushing, Sleeve . . . . .   | 1          |
| 15                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .   | 2          |
| 16                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .   | 1          |
| 17                 | PAOZZ              | 02731       | 7-31 1512096       | • Connector, Rod End . . . . .  | 1          |
| 18                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .  | 1          |
| 18                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-3-1 1      | • Bolt, Close Toleranc . . . . .  | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-03015       | • Bushing, Sleeve . . . . .   | 1          |
| 21                 | PAOFF              | 02731       | 7-31 1512067-5     | • Cylinder Assembly, A . . . . .  | 1          |
| 22                 | XDOZZ              | 80205       | NAS509-4           | • • Nut, Plain, Hexagon . . . . .   | 1          |
| 23                 | PAOZZ              | 02731       | 7-31 1512063-3     | • • Clevis, Rod End . . . . .   | 1          |
| 24                 | PAOZZ              | 80205       | NAS513-4           | • • Washer, Key . . . . .   | 1          |
| 25                 | PAFZZ              | 02731       | 7-31 1512066-3     | • • Piston, Flight Contr . . . . .  | 1          |
| 26                 | PAFZZ              | 81349       | M27426-3132D       | • • Ring, Retaining . . . . .   | 1          |
| 27                 | PAFFF              | 02731       | 7-31 1512064       | • • Cylinder Assy, Main . . . . .   | 1          |
| 28                 | PAFZZ              | 96906       | MS27645-3A         | • • • Bearing, Ball, Airfra . . . . .   | 1          |
| 29                 | PAFZZ              | 02731       | 7-31 1512065       | • • Spring, Helical, Comp . . . . .   | 1          |
| 30                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .   | 4          |
| 31                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | 12         |
| 32                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine . . . . .   | 4          |
| 33                 | XDOZZ              | 80205       | NAS428H4-5         | • Bolt, Machine . . . . .   | 1          |
| 34                 | PAOFF              | 02731       | 7-31 1513001-5     | • Support, Structural (See Fig. 599 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                      | 1          |
| 34                 | PAOFF              | 02731       | 7-31 1513001-7     | • Support Assy, Collec (See Fig. 599 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .                          | 1          |
|                    |                    |             |                    | END OF FIGURE   |            |

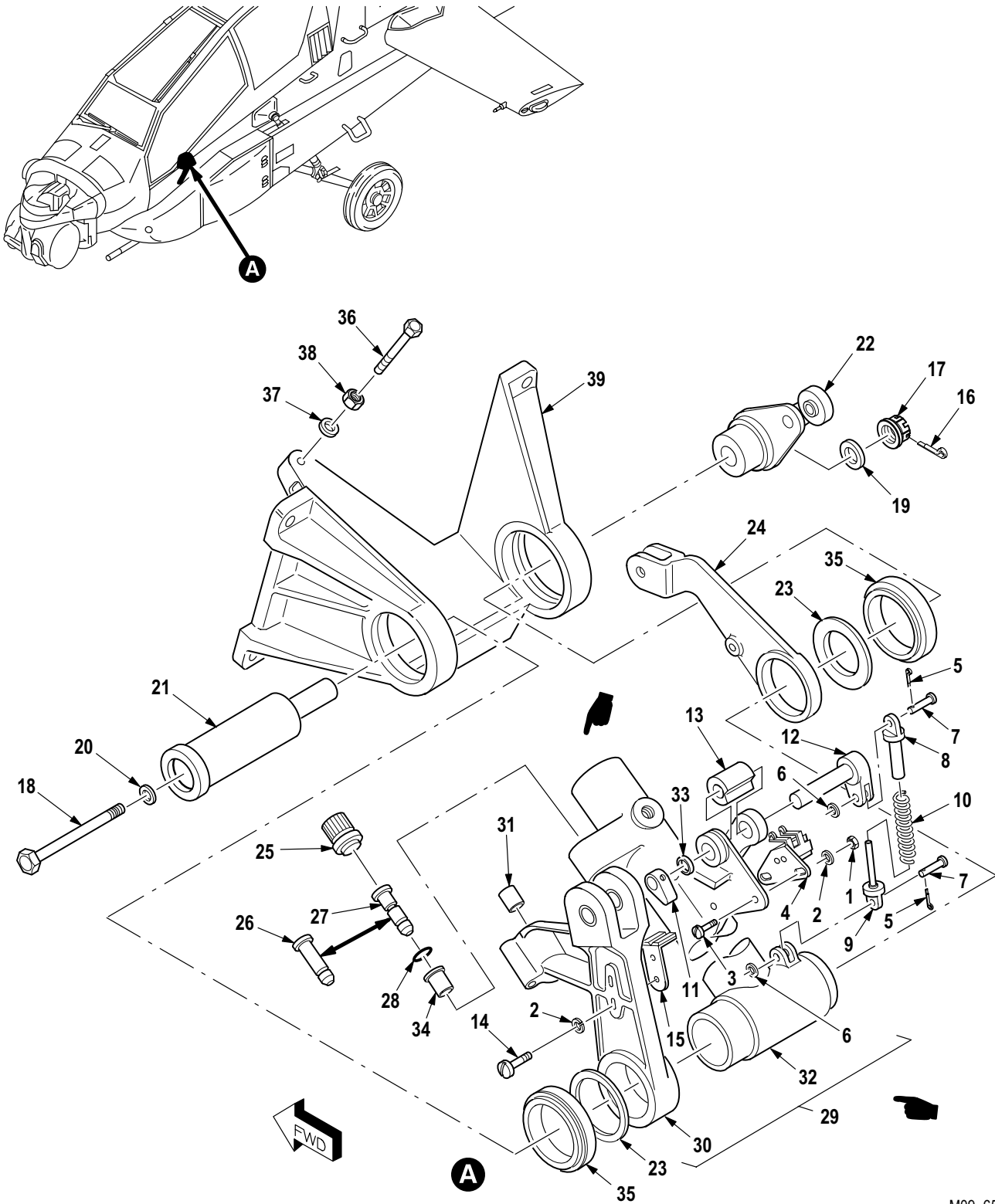
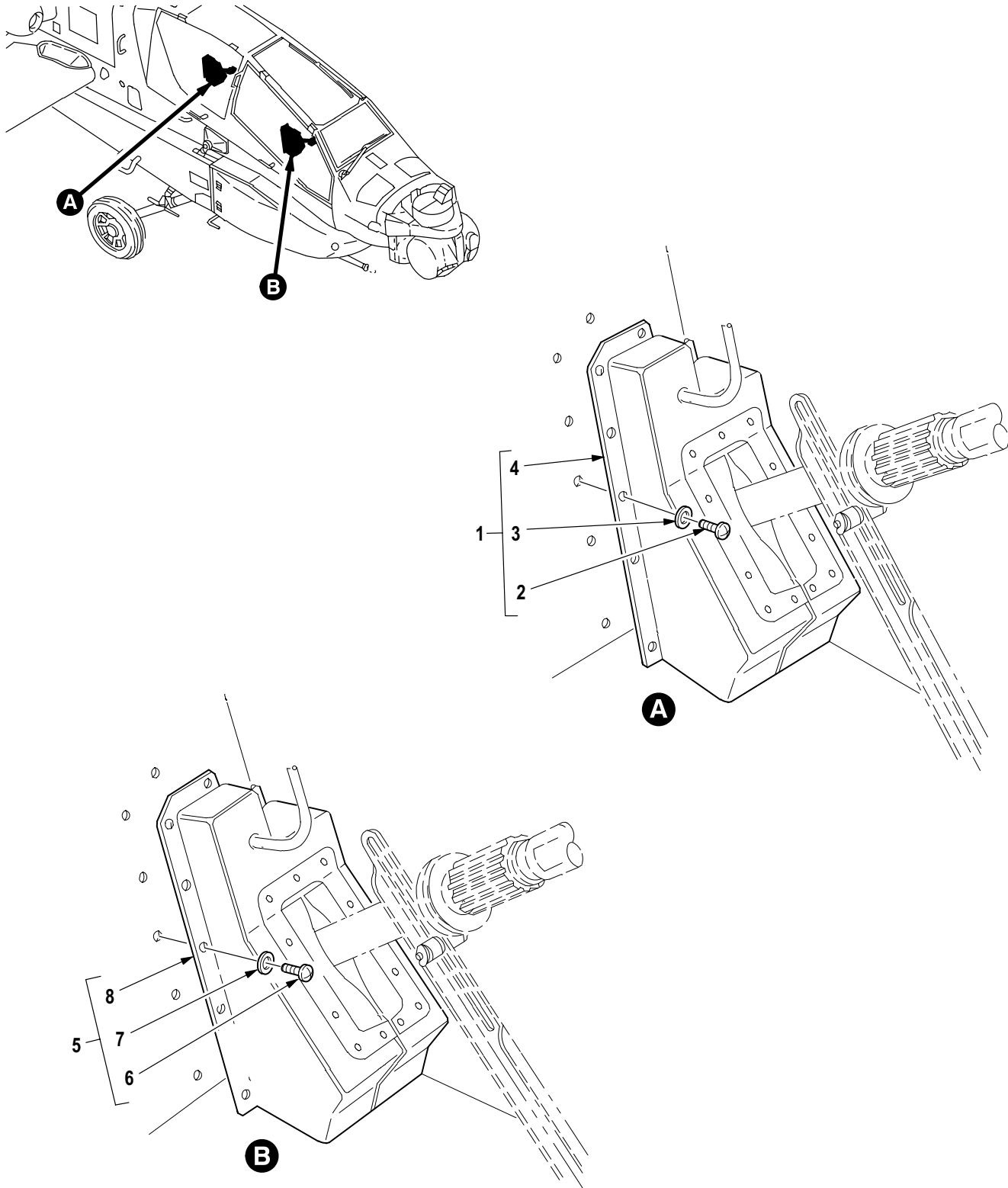


Figure 599. Group 11 Support Assembly, Collective Stick (Copilot/Gunner)  
 7-31 1513001-5 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1513001-7 (Usbl Eff 88-0200 and Subs)



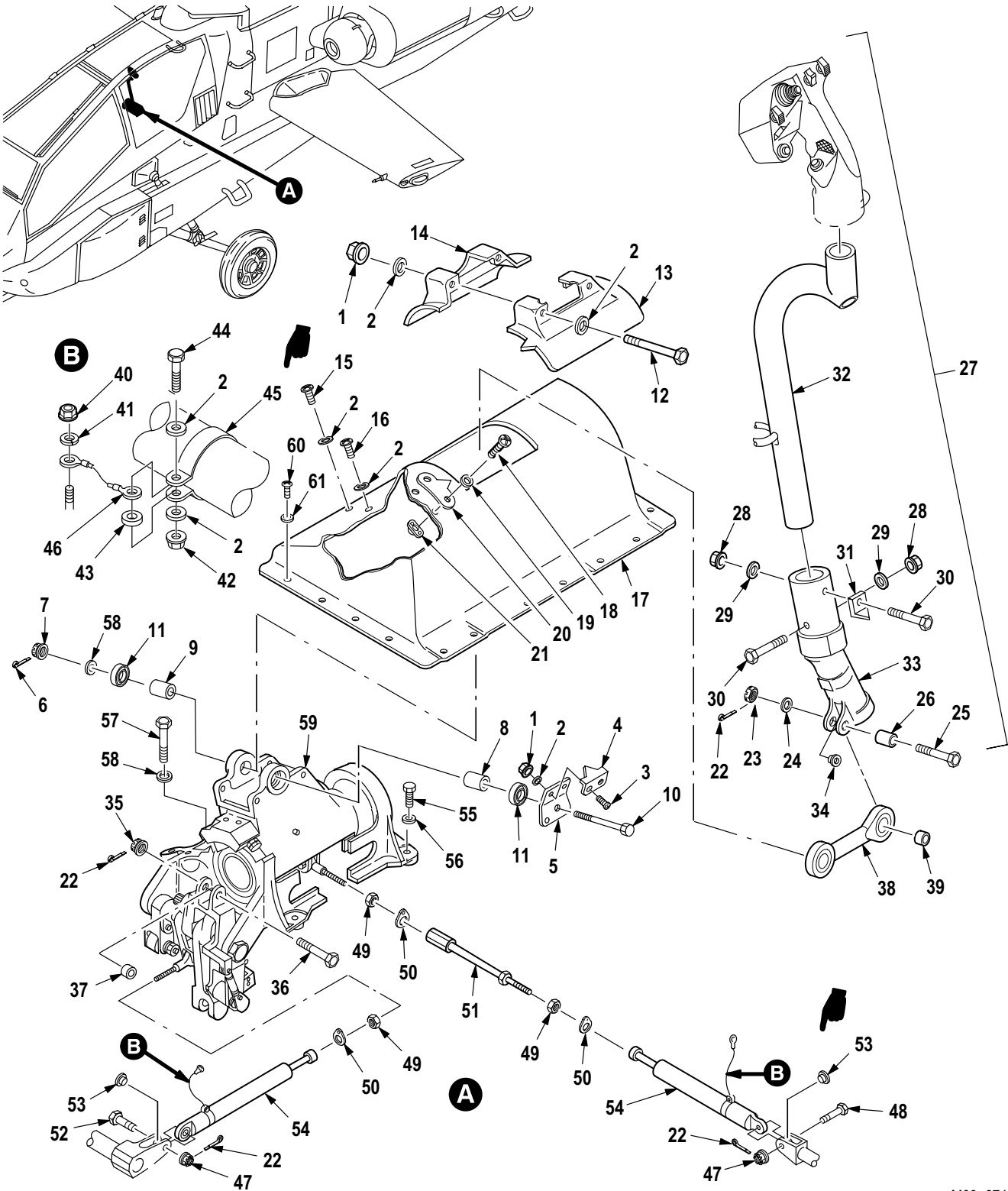
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 599 Support Assembly,<br>Collective Stick (Copilot/Gunner)<br>7-31 1513001-5<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1513001-7<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 598 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....  | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....   | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....   | 2          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-13    | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) ...   | 1          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-17    | • Switch, Push (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....  | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat .....   | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed .....  | 2          |
| 8                  | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....  | 1          |
| 9                  | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....  | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....  | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....  | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1514084-3     | • Shaft, Actuator Swit .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....   | 1          |
| 14                 | PAFZZ              | 96906       | MS35275-230        | • Screw, Machine .....   | 2          |
| 15                 | PAFZZ              | 02731       | 7-31 1514103-5     | • Detent, Sweep Lever .....  | 1          |
| 16                 | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 1          |
| 17                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 18                 | PAFZZ              | 96906       | MS27576-4-37       | • Bolt, Close Toleranc .....   | 1          |
| 19                 | PAFZZ              | 88044       | AN960KD616         | • Washer, Flat .....   | 1          |
| 20                 | PAFZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 1          |
| 21                 | PAFZZ              | 02731       | 7-31 1513008       | • Bushing, Sleeve .....  | 1          |
| 22                 | PAFZZ              | 02731       | 7-31 1513009-3     | • Drive Arm Assembly .....   | 1          |
| 23                 | PAFZZ              | 02731       | 7-21 1513007-5     | • Retainer, Flight Con .....   | 2          |
| 24                 | PAFZZ              | 02731       | 7-31 1513006       | • Lever, Remote Contro .....   | 1          |
| 25                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....  | 1          |
| 26                 | PAOZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 27                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed<br>(Usbl Eff 88-0200 and Subs) .....  | 1          |
| 28                 | PAOZZ              | 88044       | AN6227-4           | • Packing, Preformed .....   | 1          |
| 29                 | PAFFF              | 02731       | 7-31 1513005-5     | • Arm Assembly, Collec .....   | 1          |
| 30                 | XAFFF              | 02731       | 7-31 1513003-5     | •• Arm Assy .....  | 1          |
| 31                 | PAFZZ              | 02731       | 7-31 1514096       | ••• Bushing, Sleeve .....  | 1          |
| 32                 | XAFFF              | 02731       | 7-31 1513004-5     | •• Arm Assy .....  | 1          |
| 33                 | PAFZZ              | 02731       | 7-31 1514101       | ••• Bearing, Sleeve .....  | 2          |
| 34                 | PAFZZ              | 02731       | 7-21 1514095-3     | ••• Bearing, Sleeve .....  | 1          |
| 35                 | PAFZZ              | 96906       | MS27642-16         | • Bearing, Ball, Airfra .....  | 2          |
| 36                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine .....  | 1          |
| 37                 | PAFZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 1          |
| 38                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....  | 2          |
| 39                 | PAFZZ              | 02731       | 7-31 1513002       | • Base, Flight Control .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-984C

Figure 600. Group 11 Protective Cover Installation, Collective Stick

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 600 Protective Cover Installation,<br>Collective Stick |            |
| 1                  | XCOOO              | 02731       | 7-31 1512061-3     | • Cover, Cltv Stick AFT .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-3          | •• Screw, Machine .....   | 6          |
| 3                  | PAOZZ              | 88044       | AN960KD10          | •• Washer, Flat .....   | 6          |
| 4                  | PAOZZ              | 02731       | 7-31 1512100-19    | •• Cover, Collective St .....   | 1          |
| 5                  | XCOOO              | 02731       | 7-31 1512061-5     | • Cover, Cltv Stick FWD .....   | 1          |
| 6                  | PAOZZ              | 80205       | NAS1403-3          | •• Screw, Machine .....   | 5          |
| 7                  | PAOZZ              | 88044       | AN960KD10          | •• Washer, Flat .....   | 5          |
| 8                  | PAOZZ              | 02731       | 7-31 1512101-9     | •• Cover, Collective St .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-674H

Figure 601. Group 11 Stick Installation, Pilot Cyclic  
7-31 1514000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 601 Stick Installation, Pilot Cyclic<br>7-31 1514000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex . . . . .   | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat (Qty 10 Usbl Eff 82-23355 thru 88-0199) . . .                                | 10         |
| 3                  | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine . . . . .  | 2          |
| 4                  | PAOZZ              | 02731       | 7-21 1514068       | • Indicator, Cyclic La . . . . .  | 1          |
| 5                  | PAOZZ              | 02731       | 7-21 1514070-3     | • Bracket, Angle . . . . .  | 1          |
| 6                  | PAOZZ              | 96906       | MS24665-155        | • Pin, Cotter . . . . .   | 1          |
| 7                  | PAOZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As . . . . .   | 1          |
| 8                  | PAOZZ              | 80205       | NAS43HT5-4         | • Spacer, Ring . . . . .  | 1          |
| 9                  | PAOZZ              | 80205       | NAS43HT5-10        | • Spacer, Sleeve . . . . .  | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-5-39       | • Bolt, Close Toleranc . . . . .  | 1          |
| 11                 | PAOZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra . . . . .   | 1          |
| 12                 | PAOZZ              | 80205       | NAS1303-38         | • Bolt, Shear . . . . .   | 2          |
| 13                 | PAOZZ              | 02731       | 7-31 1514065-1     | • Shroud, Cyclic . . . . .  | 1          |
| 14                 | PAOZZ              | 02731       | 7-31 1514065-2     | • Shroud, Cyclic . . . . .  | 1          |
| 15                 | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine . . . . .  | 1          |
| 16                 | PAOZZ              | 80205       | NAS623-3-1         | • Screw, Machine . . . . .  | 3          |
| 17                 | PAOOO              | 02731       | 7-31 1514064-7     | • Cover, Access . . . . .   | 1          |
| 18                 | PAOZZ              | 80205       | NAS603-9P          | • • Screw, Machine . . . . .  | 2          |
| 19                 | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat . . . . .  | 2          |
| 20                 | PAOZZ              | 02731       | 7-21 1514067       | • • Indicator, Cyclic, L . . . . .  | 1          |
| 21                 | PAOZZ              | 80205       | MS21059L3          | • • Nut, Self-Locking, Pl . . . . .   | 2          |
| 22                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 4          |
| 23                 | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, Sl . . . . .   | 1          |
| 24                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | 1          |
| 25                 | PAOZZ              | 80205       | NAS6204-15D        | • Bolt, Shear . . . . .   | 1          |
| 26                 | PAOZZ              | 02731       | HS5542-04056       | • Bushing, Sleeve . . . . .   | 1          |
| 27                 | PAOOO              | 02731       | 7-31 1514001-9     | • Control Stick, Aircr<br>(See Fig. 602 for Further Breakdown) . . . . .                    | 1          |
| 28                 | PAOZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex . . . . .   | 2          |
| 29                 | PAOZZ              | 88044       | AN960KD416L        | • • Washer, Flat . . . . .  | 2          |
| 30                 | XDOZZ              | 80205       | NAS6604-24         | • • Bolt, Shear . . . . .   | 2          |
| 31                 | PAOZZ              | 02731       | 7-21 1514069       | • • Indicator, Position . . . . .   | 1          |
| 32                 | PAOZZ              | 02731       | 7-1 15114002-9     | • • Tube Assembly, Metal . . . . .  | 1          |
| 33                 | PAOOO              | 02731       | 7-31 1514005-9     | • • Base Assembly . . . . .   | 1          |
| 34                 | PAOZZ              | 02731       | HS606S4-7          | • • • Bushing, Sleeve . . . . .   | 1          |
| 35                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 1          |
| 36                 | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc . . . . .  | 1          |
| 37                 | PAOZZ              | 02731       | HS5542-04037       | • Bushing, Sleeve . . . . .   | 1          |
| 38                 | PAOFF              | 02731       | 7-1 15114052       | • Connecting Link, Rig . . . . .  | 1          |
| 39                 | PAFZZ              | 77896       | SA4-16A41          | • • Bearing, Roller, Airf . . . . .   | 1          |
| 40                 | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                               | 2          |
| 41                 | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 2          |
| 42                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                               | 2          |
| 43                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 2          |
| 44                 | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                      | 2          |
| 45                 | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .   | 2          |
| 46                 | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                    | 2          |
| 47                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .   | 2          |
| 48                 | PAOZZ              | 96906       | MS27576-3-08       | • Bolt, Close Toleranc . . . . .  | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 49                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....   | 3          |
| 50                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key .....   | 3          |
| 51                 | PAOZZ              | 02731       | 7-1 15114060       | • Post, Electrical-Mec .....  | 1          |
| 52                 | PAOZZ              | 96906       | MS27576-3-10       | • Bolt, Close Toleranc .....  | 1          |
| 53                 | PAOZZ              | 02731       | HS5542-03042       | • Bushing, Sleeve .....   | 2          |
| 54                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) .....                              | 2          |
| 54                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) .....                                      | 2          |
| 55                 | PAOZZ              | 80205       | NAS6204-8D         | • Bolt, Shear .....   | 3          |
| 56                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 4          |
| 57                 | PAOZZ              | 80205       | NAS6204-10         | • Bolt, Shear .....   | 1          |
| 58                 | PAOZZ              | 80205       | NAS1149C0532R      | • Washer, Flat .....  | 1          |
| 59                 | PAOFF              | 02731       | 7-31 1514075-11    | • Housing Assembly, Cy (See Fig. 603 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....      | 1          |
| 59                 | PAOFF              | 02731       | 7-31 1514075-9     | • Housing Assembly, Cy (See Fig. 603 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) ..... | 1          |
| 60                 | PAOZZ              | 80205       | NAS1403-5          | Screw, Machine .....  | 18         |
| 61                 | PAOZZ              | 88044       | AN960JD10          | Washer, Flat .....  | 18         |
| END OF FIGURE      |                    |             |                    |   |            |



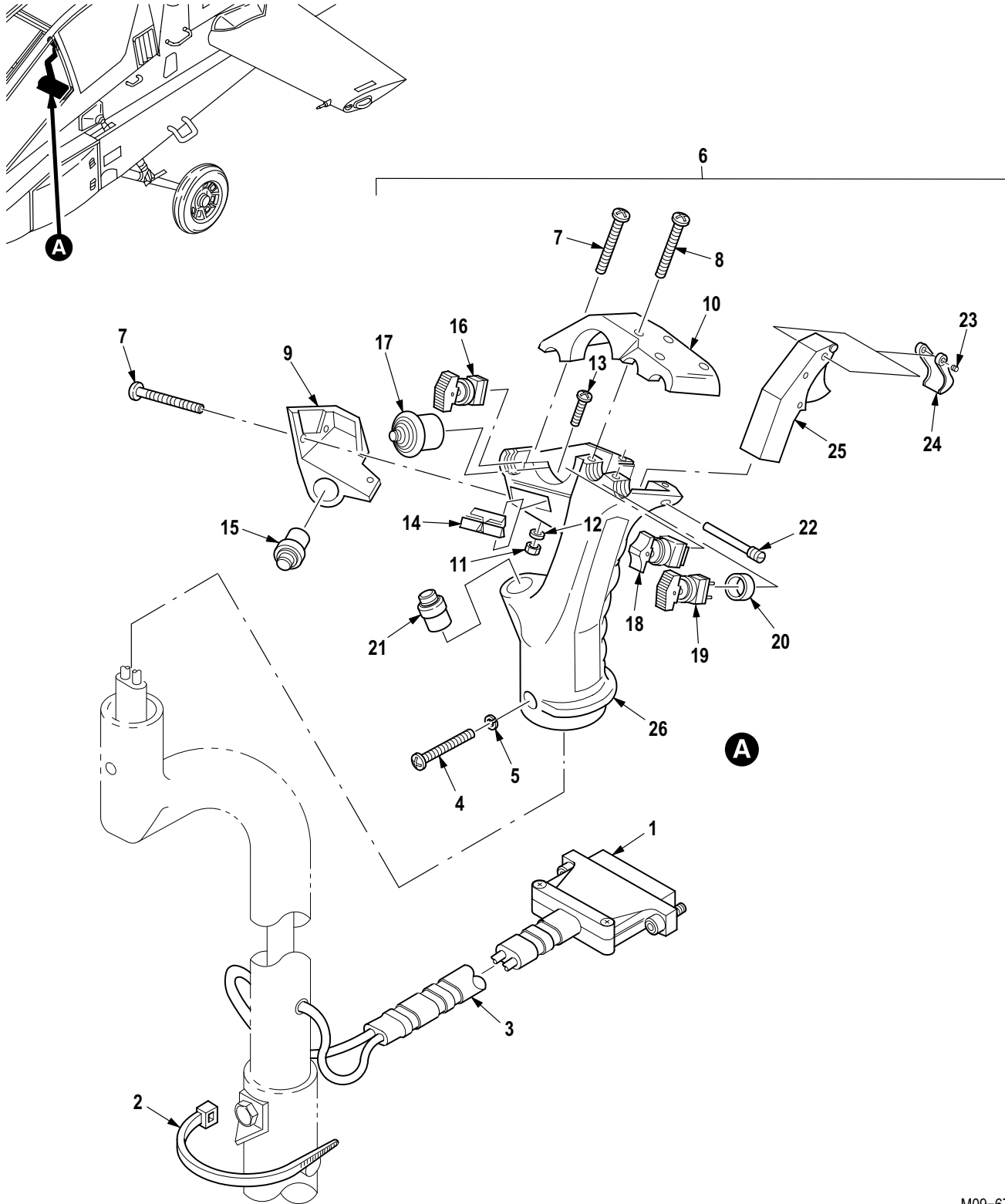
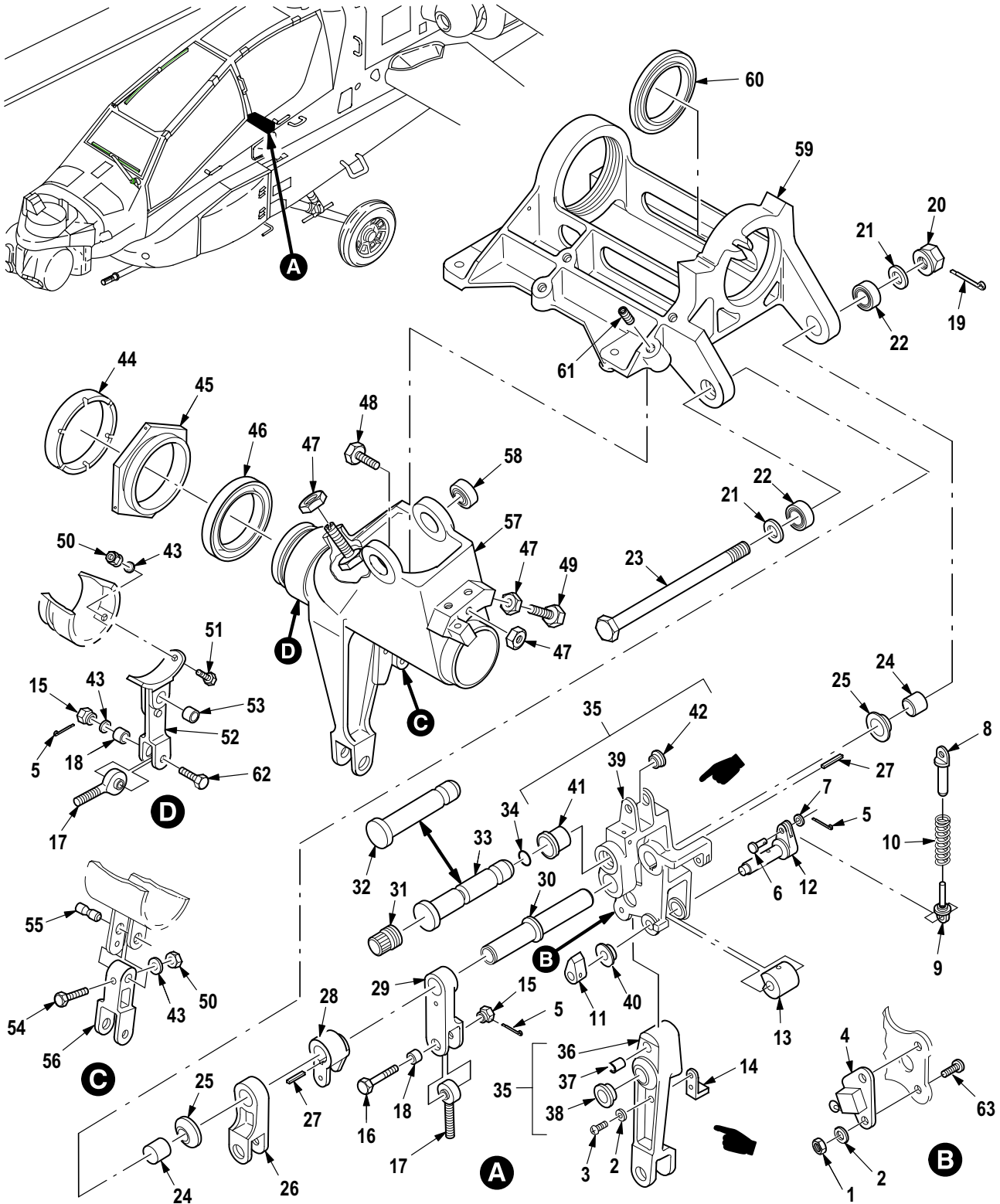


Figure 602. Group 11 Control Stick, Aircraft  
7-31 1514001-9



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 602 Control Stick, Aircraft<br>7-31 1514001-9<br>See Fig. 601 for NHA |            |
| 1                  | XDOZZ              | 02731       | HS5239A1120        | • Connector, Receptacl . . . . .   | 1          |
| 2                  | PAOZZ              | 96906       | MS3367-2-0         | • Strap, Tiedown, Elect . . . . .  | 1          |
| 3                  | XDOZZ              | 02731       | HS4800-220         | • Terminal Junction B . . . . .  | 1          |
| 4                  | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine . . . . .   | 1          |
| 5                  | PAOZZ              | 96906       | MS35333-39         | • Washer, Lock . . . . .   | 1          |
| 6                  | PAOOO              | 02731       | 7-21 1514006       | • Grip Assembly, Contr . . . . .   | 1          |
| 7                  | PAOZZ              | 96906       | MS51957-15B        | •• Screw, Machine . . . . .  | 4          |
| 8                  | PAOZZ              | 96906       | MS51957-16B        | •• Screw, Machine . . . . .  | 5          |
| 9                  | PAOZZ              | 81579       | 714-261-1          | •• Adapter, Switch Actu . . . . .  | 1          |
| 10                 | PAOZZ              | 81579       | 714-201-205        | •• Cap, Grip Control . . . . .   | 1          |
| 11                 | PAOZZ              | 96906       | MS35649-224        | •• Nut, Plain, Hexagon . . . . .   | 2          |
| 12                 | PAOZZ              | 96906       | MS35333-69         | •• Washer, Lock . . . . .  | 2          |
| 13                 | PAOZZ              | 96906       | MS51957-3          | •• Screw, Machine . . . . .  | 2          |
| 14                 | PAOZZ              | 81579       | 997-0002           | •• Switch, Grip Control . . . . .  | 1          |
| 15                 | PAOZZ              | 96906       | MS25089-1A         | •• Switch, Push . . . . .  | 1          |
| 16                 | PAOZZ              | 81579       | 997-0144           | •• Switch, Toggle . . . . .  | 1          |
| 17                 | PAOZZ              | 81579       | 404-4310           | •• Switch, Toggle . . . . .  | 1          |
| 18                 | PAOZZ              | 81579       | 997-0145           | •• Switch, Toggle . . . . .  | 1          |
| 19                 | PAOZZ              | 81579       | 997-0105           | •• Switch, Toggle . . . . .  | 1          |
| 20                 | PAOZZ              | 81579       | 714-206-1          | •• Spacer, Grip Control . . . . .  | 1          |
| 21                 | PAOZZ              | 96906       | MS25089-2A         | •• Switch, Push . . . . .  | 1          |
| 22                 | PAOZZ              | 81579       | 714-279-1          | •• Pin, Grip Control . . . . .   | 1          |
| 23                 | PAOZZ              | 81579       | 714-231-1          | •• Spring, Helical, Tors . . . . .   | 1          |
| 24                 | PAOZZ              | 81579       | 714-216-1          | •• Guard, Grip Control . . . . .   | 1          |
| 25                 | PAOZZ              | 81579       | 405-4300           | •• Switch, Trigger . . . . .   | 1          |
| 26                 | PAOZZ              | 81579       | 714-040-8          | •• Grip Control . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



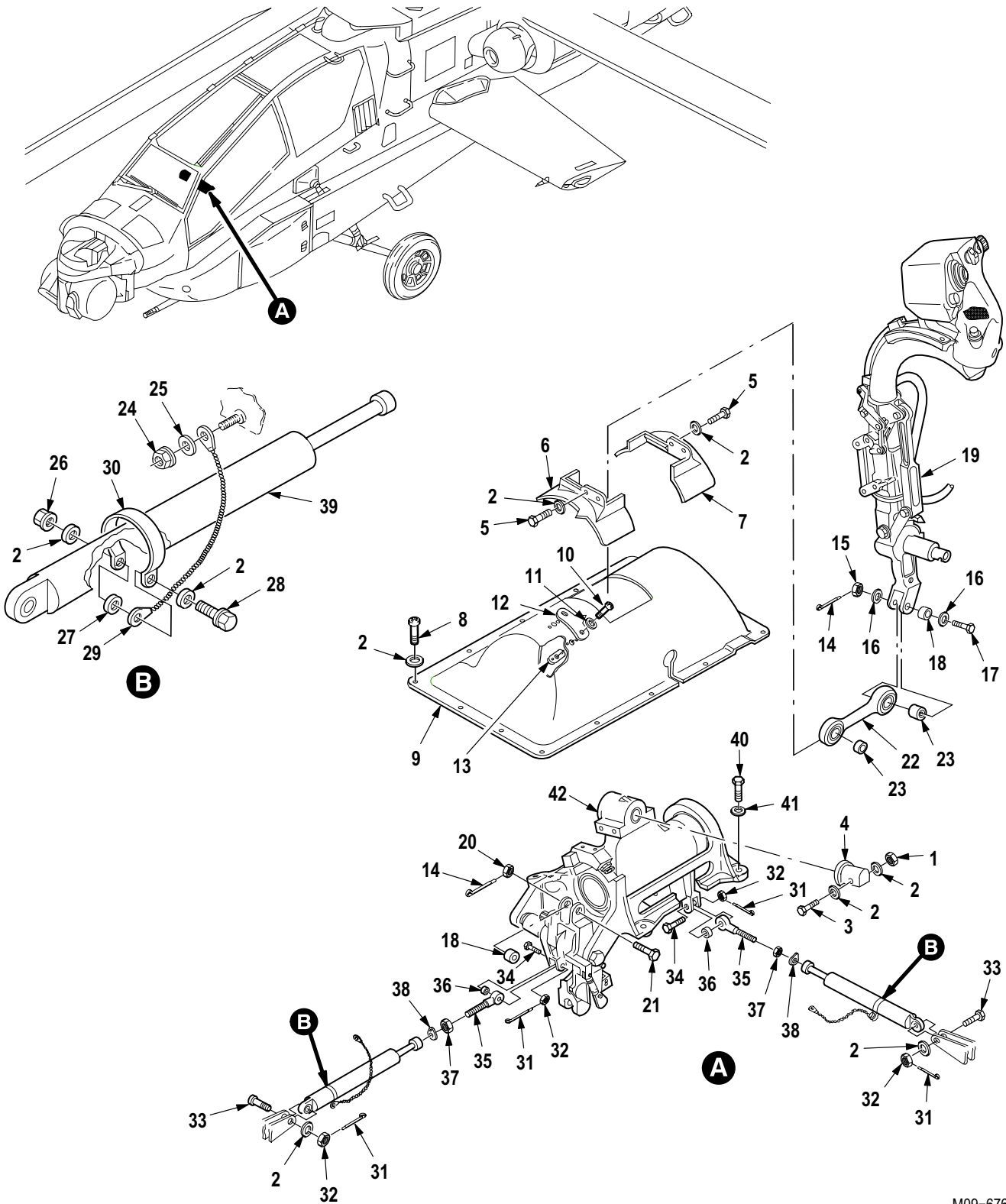
M09-675G

Figure 603. Group 11 Housing Assembly, Cyclic Stick (Pilot)  
 7-31 1514075-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1514075-11 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 603 Housing Assembly, Cyclic Stick (Pilot)<br>7-31 1514075-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1514075-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 601 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35649-262        | • Nut, Plain, Hexagon .....   | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....  | 6          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....  | 2          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-11    | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-15    | • Switch Sub Assembly<br>(Usbl Eff 88-0200 and Subs) .....  | 1          |
| 5                  | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter .....   | 4          |
| 6                  | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....   | 2          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....  | 2          |
| 8                  | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....   | 1          |
| 9                  | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....   | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....   | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....   | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1514084-5     | • Shaft, Actuator, Swit .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....  | 1          |
| 14                 | PAFZZ              | 02731       | 7-31 1514103-5     | • Detent, Sweep Lever .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As .....   | 2          |
| 16                 | PAOZZ              | 96906       | MS27576-3-1 1      | • Bolt, Close Toleranc .....  | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En .....   | 2          |
| 18                 | PAFZZ              | 02731       | HS5542-03013       | • Bushing, Sleeve .....   | 2          |
| 19                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 1          |
| 20                 | PAFZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As .....   | 1          |
| 21                 | PAFZZ              | 88044       | AN960KD516         | • Washer, Flat .....  | 2          |
| 22                 | PAFZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra .....   | 2          |
| 23                 | PAFZZ              | 96906       | MS27576-5-83       | • Bolt, Close Toleranc .....  | 1          |
| 24                 | PAFZZ              | 80205       | NAS43HT5-6         | • Spacer, Ring .....  | 2          |
| 25                 | PAFZZ              | 02731       | 7-21 1514094-3     | • Retainer, Output Arm .....  | 2          |
| 26                 | PAFZZ              | 02731       | 7-31 1514091-3     | • Lever, Remote Contro .....  | 1          |
| 27                 | PAFZZ              | 96906       | MS20066-77         | • Key, Machine .....  | 2          |
| 28                 | PAFZZ              | 02731       | 7-21 1514092-3     | • Collar, Drive Trim U .....  | 1          |
| 29                 | PAFZZ              | 02731       | 7-21 1514090-3     | • Arm, Input, Transduce .....   | 1          |
| 30                 | PAFZZ              | 02731       | 7-21 1514093       | • Shaft, Output Arm, La .....   | 1          |
| 31                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....   | 1          |
| 32                 | PAOZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 33                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed<br>(Usbl Eff 88-0200 and Subs) .....   | 1          |
| 34                 | PAFZZ              | 96906       | MS28775-009        | • O-Ring .....  | 1          |
| 35                 | PAFFF              | 02731       | 7-31 1514097-7     | • Arm Assy, Flight Con .....  | 1          |
| 36                 | XAOFF              | 02731       | 7-31 1514089-1 1   | •• Arm Assy .....   | 1          |
| 37                 | PAFZZ              | 02731       | 7-31 1514096       | ••• Bushing, Sleeve .....   | 1          |
| 38                 | PAFZZ              | 02731       | HS606B9-28         | ••• Bushing, Sleeve .....   | 2          |
| 39                 | XAOFF              | 02731       | 7-31 1514088-19    | •• Arm Assy .....   | 1          |
| 40                 | PAFZZ              | 02731       | 7-31 1514101       | ••• Bearing, Sleeve .....   | 2          |
| 41                 | PAFZZ              | 02731       | 7-21 1514095-3     | ••• Bearing, Sleeve .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 42                 | PAFZZ              | 02731       | HS606S4-6          | ••• Bushing, Sleeve .....                   | 1          |
| 43                 | PAFZZ              | 88044       | AN960KD10LL        | • Washer, Flat .....                        | 4          |
| 44                 | PAFZZ              | 02731       | 7-1 15114025-3     | • Retainer Bearing, Cy .....                | 1          |
| 45                 | PAFZZ              | 02731       | 7-1 15114022       | • Retainer, Main Rotor .....                | 1          |
| 46                 | PAFZZ              | 21335       | MB545DD (FS 464)   | • Bearing, Ball, Airfra .....               | 1          |
| 47                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....                 | 4          |
| 48                 | PAFZZ              | 80205       | NAS428KH4-13       | • Bolt, Machine .....                       | 2          |
| 49                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine .....                       | 2          |
| 50                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....               | 4          |
| 51                 | PAFZZ              | 80205       | NAS6203-6          | • Bolt, Shear .....                         | 2          |
| 52                 | PAOFF              | 02731       | 7-21 1514079       | • Arm Assy, Input, Cycl .....               | 1          |
| 53                 | PAFZZ              | 02731       | HS5542-0301 1      | •• Bushing, Sleeve .....                    | 1          |
| 54                 | PAFZZ              | 80205       | NAS6203-1 1        | • Bolt, Shear .....                         | 1          |
| 55                 | PAFZZ              | 02731       | 7-21 1514078       | • Shaft Pivot, Input .....                  | 1          |
| 56                 | PAFZZ              | 02731       | 7-31 1514077       | • Clevis, Rod End .....                     | 1          |
| 57                 | PAFFF              | 02731       | 7-31 1514076-9     | • Housing Assembly, Cy .....                | 1          |
| 58                 | PAFZZ              | 96906       | MS27641-5          | •• Bearing, Ball, Airfra .....              | 1          |
| 59                 | PAFFF              | 02731       | 7-31 1514023       | • Support Assy, Cyclic .....                | 1          |
| 60                 | PAFZZ              | 21335       | MB545DD (FS 464)   | •• Bearing, Ball, Airfra .....              | 1          |
| 61                 | PAFZZ              | 96906       | MS21209F1-15L      | •• Insert, Screw Thread .....               | 4          |
| 62                 | PAFZZ              | 96906       | MS27576-3-12       | • Bolt, Close Toleranc .....                | 1          |
| 63                 | PAFZZ              | 80205       | NAS1191-06P6LH     | • Screw, Cap, Socket He .....               | 2          |
| END OF FIGURE      |                    |             |                    |   |            |





M09-676E

Figure 604. Group 11 Stick Installation, Copilot/Gunner Cyclic  
7-31 1515000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 604 Stick Installation, Copilot/Gunner Cyclic<br>7-31 1515000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....  | 1          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 26         |
| 3                  | PAOZZ              | 80205       | NAS6203-12         | • Bolt, Shear .....  | 1          |
| 4                  | PAOZZ              | 02731       | 7-21 1515053-3     | • Retainer, Base, Cycli .....  | 1          |
| 5                  | PAOZZ              | 80205       | NAS6203-2          | • Bolt, Shear .....  | 4          |
| 6                  | PAOZZ              | 02731       | 7-31 1515052-5     | • Cover, Cyclic Stick .....  | 1          |
| 7                  | PAOZZ              | 02731       | 7-31 1515052-4     | • Cover, Access .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS603-9           | • Screw, Machine .....   | 14         |
| 9                  | PAOOO              | 02731       | 7-21 1515072-7     | • Cover Assy, Support .....  | 1          |
| 10                 | PAOZZ              | 80205       | NAS603-9P          | • • Screw, Machine .....   | 2          |
| 11                 | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 02731       | 7-21 1514067       | • • Cindicator, Cyclic, L .....  | 1          |
| 13                 | PAOZZ              | 80205       | MS21059L3          | • • Nut, Self-Locking, Pl .....  | 2          |
| 14                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 2          |
| 15                 | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, Sl .....  | 1          |
| 16                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-13D        | • Bolt, Shear .....  | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04038       | • Bushing, Sleeve .....  | 2          |
| 19                 | PAOOO              | 02731       | 7-31 1515001-7     | • Control Stick, Aircr<br>(See Figs. 605 and 606 for Breakdown) .....                                | 1          |
| 20                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....   | 1          |
| 22                 | PAOFF              | 02731       | 7-1 15114052       | • Connecting Link, Rig .....   | 1          |
| 23                 | PAFZZ              | 77896       | SA4-16A41          | • • Bearing, Roller, Airf .....  | 2          |
| 24                 | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....  | 2          |
| 25                 | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat .....   | 2          |
| 26                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 2          |
| 27                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....   | 2          |
| 28                 | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine .....   | 2          |
| 29                 | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical .....   | 2          |
| 30                 | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop .....  | 2          |
| 31                 | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter .....  | 4          |
| 32                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As .....  | 4          |
| 33                 | PAOZZ              | 96906       | MS27576-3-09       | • Bolt, Close Toleranc .....   | 2          |
| 34                 | PAOZZ              | 96906       | MS27576-3-1 1      | • Bolt, Close Toleranc .....   | 2          |
| 35                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En .....  | 2          |
| 36                 | PAOZZ              | 02731       | HS5542-03013       | • Bushing, Sleeve .....  | 2          |
| 37                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....  | 2          |
| 38                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) .....                                     | 2          |
| 39                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) .....   | 2          |
| 40                 | PAOZZ              | 80205       | NAS6204-9          | • Bolt, Shear .....  | 4          |
| 41                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 4          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 42                 | PAOFF              | 02731       | 7-31 1515074-1 1   | <ul style="list-style-type: none"> <li>• Housing Assembly, Cy<br/>(See Figs. 607 and 608 for Breakdown)<br/>(Usbl Eff 88-0200 and Subs) .....</li> </ul>   | 1          |
| 42                 | PAOFF              | 02731       | 7-31 1515074-9     | <ul style="list-style-type: none"> <li>• Housing Assembly, Cy<br/>(See Figs. 607 and 608 for Breakdown)<br/>(Usbl Eff 82-23355 thru 88-0199) .....</li> </ul> <p style="text-align: center;">END OF FIGURE</p> | 1          |





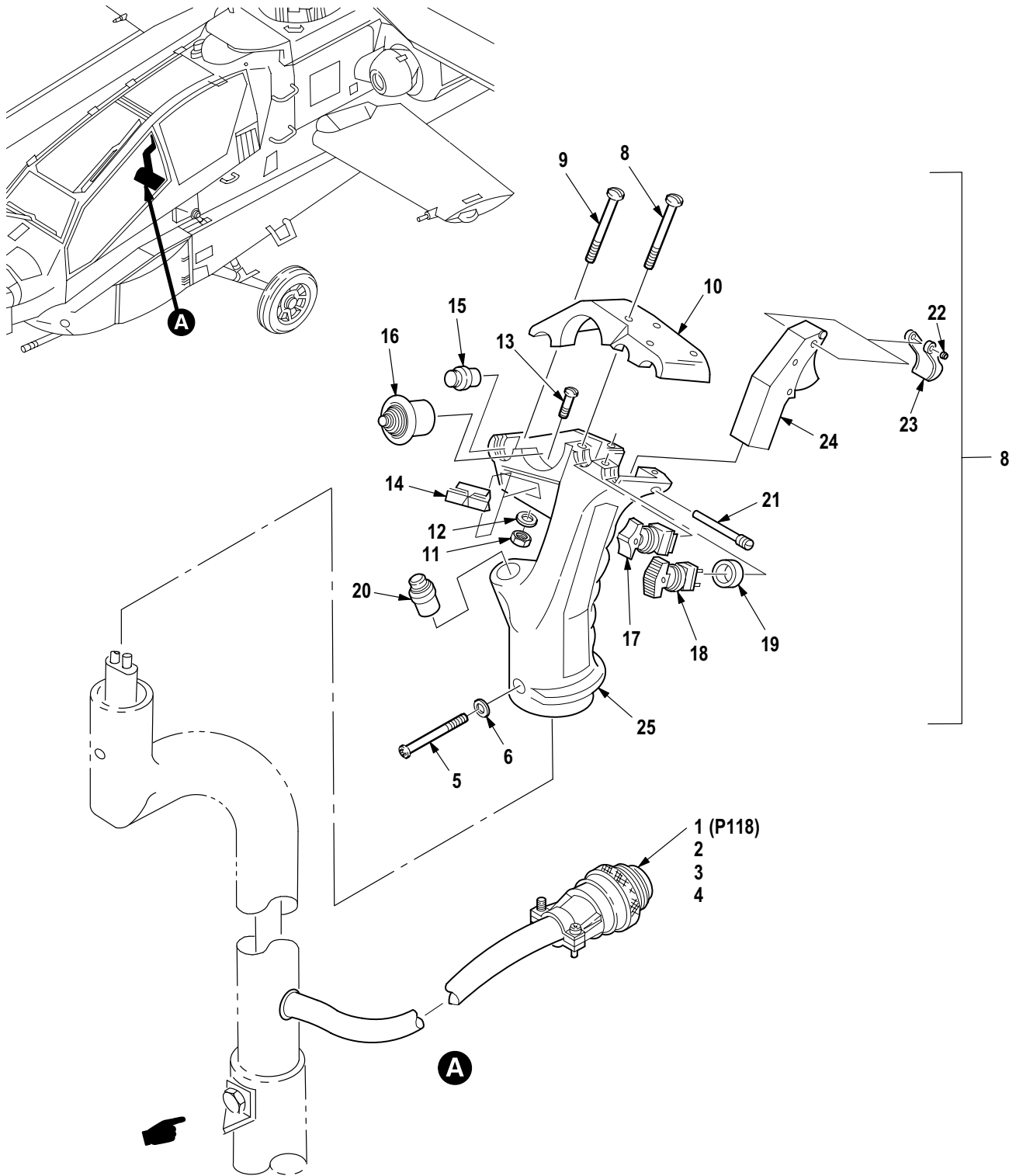


Figure 605. Group 11 Control Stick, Aircraft (Part 1)  
7-31 1515001-7

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 605 Control Stick, Aircraft (Part 1)<br>7-31 1515001-7<br>See Fig. 604 for NHA |            |
| 1                  | PAOZA              | 81349       | M83723/76R1831N    | • Connector, Plug, Elec .....   | 1          |
| 2                  | PAOZZ              | 81349       | M85049/31-18W      | • Adapter, Cable Clamp .....  | 1          |
| 3                  | PAOZA              | 81349       | M39029/4-1 10      | • Contact, Electrical .....   | 31         |
| 4                  | PAOZZ              | 96906       | MS27488-20         | • Plug, End Seal, Elect .....   | 2          |
| 5                  | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS35333-39         | • Washer, Lock .....  | 1          |
| 7                  | PAOOO              | 02731       | 7-21 1515008       | • Grip Assembly, Contr .....  | 1          |
| 8                  | PAOZZ              | 96906       | MS51957-16B        | •• Screw, Machine .....   | 5          |
| 9                  | PAOZZ              | 96906       | MS51957-15B        | •• Screw, Machine .....   | 1          |
| 10                 | PAOZZ              | 81579       | 714-201-206        | •• Cap, Grip, Engraved .....  | 1          |
| 11                 | PAOZZ              | 96906       | MS35649-224        | •• Nut, Plain, Hexagon .....  | 2          |
| 12                 | PAOZZ              | 96906       | MS35333-69         | •• Washer, Lock .....   | 2          |
| 13                 | PAOZZ              | 96906       | MS51957-3          | •• Screw, Machine .....   | 2          |
| 14                 | PAOZZ              | 81579       | 997-0002           | •• Switch, Grip Control .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS25089-1A         | •• Switch, Push .....   | 1          |
| 16                 | PAOZZ              | 81579       | 404-4310           | •• Switch, Toggle .....   | 1          |
| 17                 | PAOZZ              | 81579       | 997-0145           | •• Switch, Toggle .....   | 1          |
| 18                 | PAOZZ              | 81579       | 997-0105           | •• Switch, Toggle .....   | 1          |
| 19                 | PAOZZ              | 81579       | 714-206-1          | •• Spacer, Grip Control .....   | 1          |
| 20                 | PAOZZ              | 96906       | MS25089-2A         | •• Switch, Push .....   | 1          |
| 21                 | PAOZZ              | 81579       | 714-279-1          | •• Pin, Grip Control .....  | 1          |
| 22                 | PAOZZ              | 81579       | 714-231-1          | •• Spring, Helical, Tors .....  | 1          |
| 23                 | PAOZZ              | 81579       | 714-216-1          | •• Guard, Grip Control .....  | 1          |
| 24                 | PAOZZ              | 81579       | 405-4300           | •• Switch, Trigger .....  | 1          |
| 25                 | PAOZZ              | 81579       | 714-040-9          | •• Grip Assembly, Contr .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

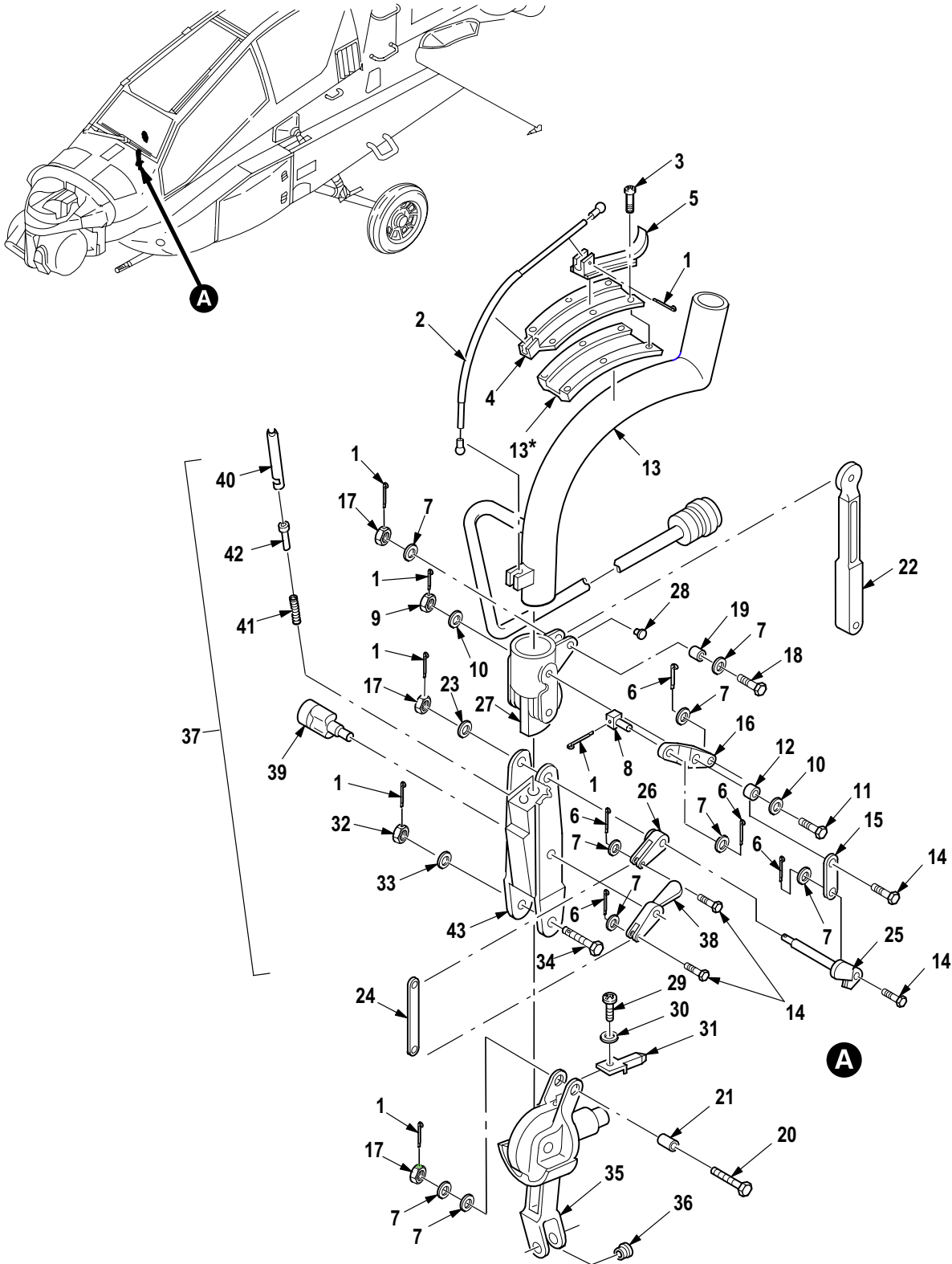
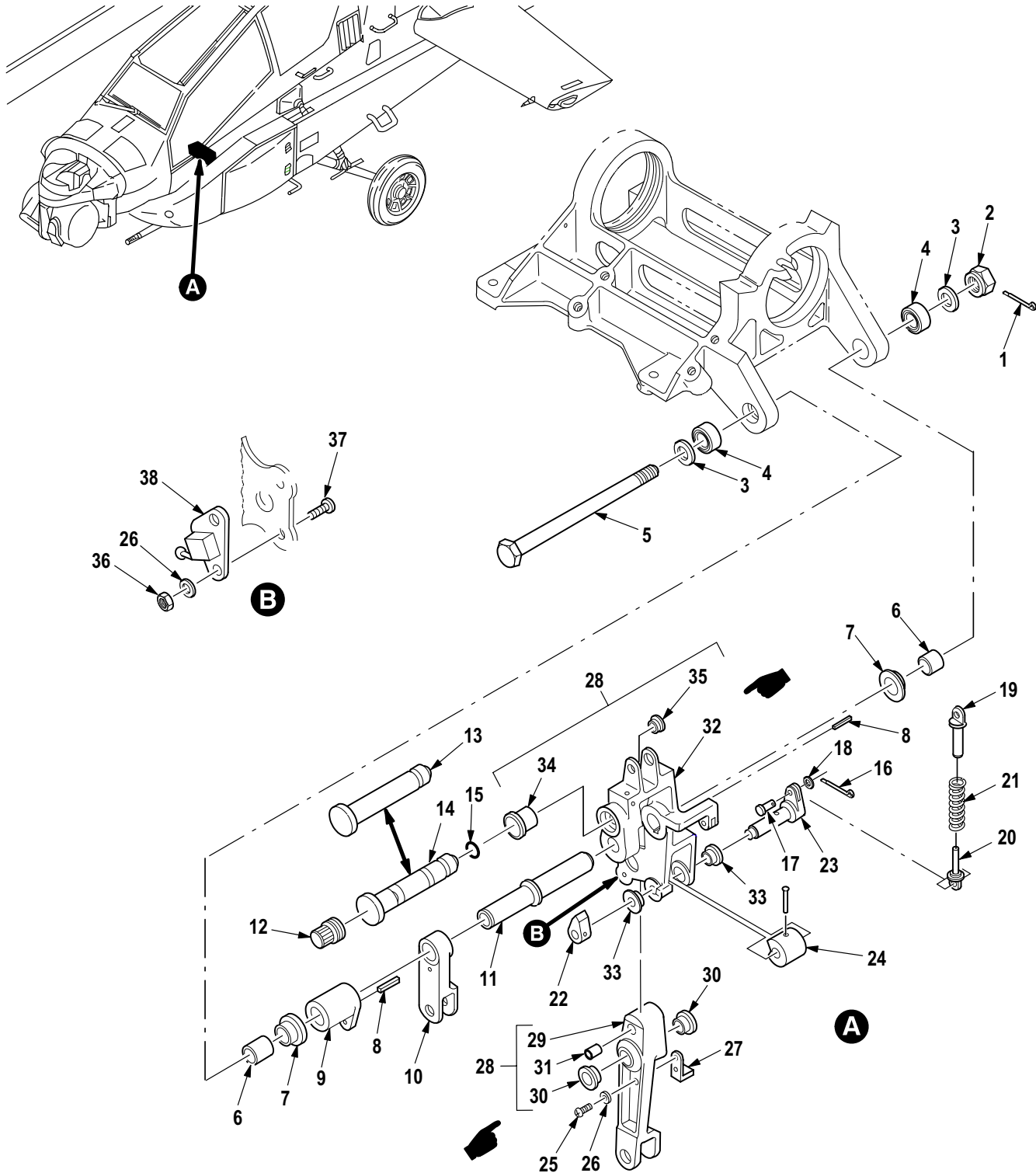


Figure 606. Group 11 Control Stick, Aircraft (Part 2)  
7-31 1515001-7

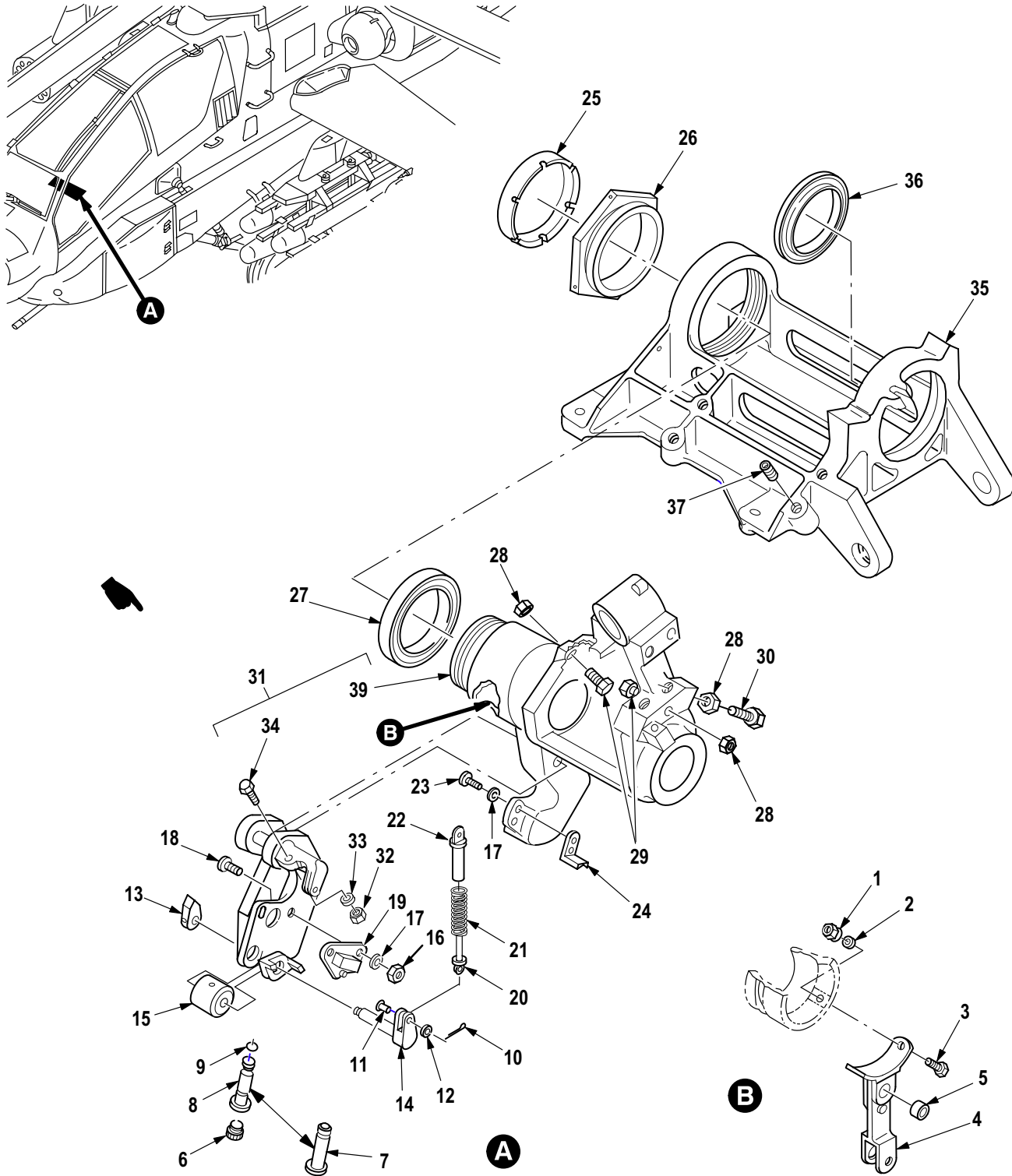
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER      | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|-------------------------|---|------------|
|                    |                    |             |                         | Group 11 Flight Control System<br>Fig. 606 Control Stick, Aircraft (Part 2)<br>7-31 1515001-7<br>See Fig. 604 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS24665-153             | • Pin, Cotter .....   | 7          |
| 2                  | PAOZZ              | 02731       | 7-21 1515067-5          | • Wire Rope Assembly, .....   | 1          |
| 3                  | PAOZZ              | 80205       | NAS1190-04P-6           | • Screw, Cap, Socket He .....   | 6          |
| 4                  | PAOZZ              | 02731       | 7-21 1515070-3          | • Retainer, Lever, Cycl .....   | 1          |
| 5                  | XDOZZ              | 02731       | 7-21 1515069-3          | • Lever, Lock-Release .....   | 1          |
| 6                  | PAOZZ              | 96906       | MS24665-151             | • Pin, Cotter .....   | 5          |
| 7                  | PAOZZ              | 59875       | TX90790-34              | • Washer, Flat .....  | 9          |
| 8                  | PAOZZ              | 02731       | 7-21 1515066            | • Fitting, Cable to Le .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS17826-4               | • Nut, Self-Locking, Sl .....   | 1          |
| 10                 | PAOZZ              | 88044       | AN960PD416              | • Washer, Flat .....  | 2          |
| 11                 | PAOZZ              | 80205       | NAS6204-32D             | • Bolt, Shear .....   | 1          |
| 12                 | PAOZZ              | 02731       | HS610SP3745R250X4<br>06 | • Bushing, Sleeve .....   | 1          |
| 13                 | PAOZZ              | 02731       | 7-21 1515056-19         | • Tube Assy, Cyclic .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS9463-06               | • Pin, Straight, Hea .....  | 4          |
| 15                 | XDOZZ              | 02731       | 7-21 1515062-5          | • Connecting Link, Rig .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-21 1515065            | • Lever, Remote Contro .....  | 1          |
| 17                 | PAOZZ              | 96906       | MS17826-3               | • Nut, Self-Locking, Sl .....   | 3          |
| 18                 | PAOZZ              | 80205       | NAS6203-11D             | • Bolt, Shear .....   | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-03023            | • Bushing, Sleeve .....   | 1          |
| 20                 | PAOZZ              | 80205       | NAS6203-16D             | • Bolt, Shear .....   | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-03024            | • Bushing, Sleeve .....   | 1          |
| 22                 | PAOZZ              | 02731       | 7-21 1515057            | • Connecting Link, Rig .....  | 1          |
| 23                 | PAOZZ              | 88044       | AN960PD10               | • Washer, Flat .....  | 1          |
| 24                 | XDOZZ              | 02731       | 7-21 1515062-3          | • Connecting Link, Rig .....  | 1          |
| 25                 | PAOZZ              | 02731       | 7-21 1515064            | • Lever, Lock-Release .....   | 1          |
| 26                 | PAOZZ              | 02731       | 7-21 1515063            | • Lever, Lock-Release .....   | 1          |
| 27                 | PAOOO              | 02731       | 7-31 1515055            | • Fitting Assembly .....  | 1          |
| 28                 | PAOZZ              | 02731       | HS4173C3-0.09           | • Bushing, Sleeve .....   | 1          |
| 29                 | PAOZZ              | 80205       | NAS1190-04P4L           | • Screw, Cap, Socket He .....   | 1          |
| 30                 | PAOZZ              | 88044       | AN960-4L                | • Washer, Flat .....  | 1          |
| 31                 | PAOZZ              | 02731       | 7-21 1515084            | • Indicator, Position .....   | 1          |
| 32                 | PAOZZ              | 96906       | MS17826-5               | • Nut, Self-Locking, Sl .....   | 1          |
| 33                 | PAOZZ              | 88044       | AN960PD516              | • Washer, Flat .....  | 1          |
| 34                 | PAOZZ              | 02731       | 7-21 1515071            | • Bolt, Shoulder .....  | 1          |
| 35                 | PAOOO              | 02731       | 7-31 1515005-9          | • Base Assy, Cyclic .....   | 1          |
| 36                 | PAOZZ              | 02731       | HS606S4-6               | • Bushing, Sleeve .....   | 1          |
| 37                 | PAOOO              | 02731       | 7-21 1515073            | • Lock Assy, Cyclic, Ad .....   | 1          |
| 38                 | PAOZZ              | 02731       | 7-21 1515061            | • Handle, Lock Release .....  | 1          |
| 39                 | PAOZZ              | 02731       | 7-21 1515060            | • Pin, Eccentric .....  | 1          |
| 40                 | PAOZZ              | 02731       | 7-21 1515058            | • Pin, Grooved, Headles .....   | 2          |
| 41                 | PAOZZ              | 96906       | MS24585-121 1           | • Spring, Helical, Comp .....   | 2          |
| 42                 | PAOZZ              | 02731       | 7-21 1515083            | • Stop, Flight Control .....  | 2          |
| 43                 | PAOZZ              | 02731       | 7-21 1515054            | • Housing, Flight Cont .....  | 1          |
| END OF FIGURE      |                    |             |                         |   |            |



M09-678F

Figure 607. Group 11 Housing Assembly, Cyclic, Copilot/Gunner (Part 1)  
 7-31 1515074-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1515074-1 1 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 607 Housing Assembly, Cyclic,<br>Copilot/Gunner (Part 1)<br>7-31 1515074-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1515074-1 1<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 604 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .  | 1          |
| 2                  | PAFZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As . . . . .  | 1          |
| 3                  | PAFZZ              | 88044       | AN960KD516         | • Washer, Flat . . . . .   | 2          |
| 4                  | PAFZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra . . . . .  | 2          |
| 5                  | PAFZZ              | 96906       | MS27576-5-83       | • Bolt, Close Toleranc . . . . .   | 1          |
| 6                  | PAFZZ              | 80205       | NAS43HT5-6         | • Spacer, Ring . . . . .   | 2          |
| 7                  | PAFZZ              | 02731       | 7-21 1514094-3     | • Retainer, Output Arm . . . . .   | 2          |
| 8                  | PAFZZ              | 96906       | MS20066-77         | • Key, Machine . . . . .   | 2          |
| 9                  | PAFZZ              | 02731       | 7-21 1515080-3     | • Collar, Drive, Transd . . . . .  | 1          |
| 10                 | PAFZZ              | 02731       | 7-21 1514090-3     | • Arm, Input, Transduce . . . . .  | 1          |
| 11                 | PAFZZ              | 02731       | 7-21 1514093       | • Shaft, Output Arm, La . . . . .  | 1          |
| 12                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin . . . . .  | 1          |
| 13                 | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .   | 1          |
| 14                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 15                 | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed . . . . .   | 1          |
| 16                 | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter . . . . .  | 2          |
| 17                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed . . . . .  | 2          |
| 18                 | PAFZZ              | 88044       | AN960C4            | • Washer, Flat . . . . .   | 2          |
| 19                 | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern . . . . .  | 1          |
| 20                 | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern . . . . .  | 1          |
| 21                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp . . . . .  | 1          |
| 22                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight . . . . .  | 1          |
| 23                 | PAFZZ              | 02731       | 7-31 1514084-5     | • Shaft, Actuator, Swit . . . . .  | 1          |
| 24                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control . . . . .   | 1          |
| 25                 | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine . . . . .   | 2          |
| 26                 | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat . . . . .   | 4          |
| 27                 | PAFZZ              | 02731       | 7-31 1514103-5     | • Detent, Sweep Lever . . . . .  | 1          |
| 28                 | PAFFF              | 02731       | 7-31 1514097-9     | • Arm Assy, Flight Con . . . . .   | 1          |
| 29                 | XAFFF              | 02731       | 7-31 1514089-13    | •• Arm Assy . . . . .  | 1          |
| 30                 | PAFZZ              | 02731       | HS606B9-28         | ••• Bushing, Sleeve . . . . .  | 2          |
| 31                 | PAFZZ              | 02731       | 7-31 1514096       | ••• Bushing, Sleeve . . . . .  | 1          |
| 32                 | XAFFF              | 02731       | 7-31 1514088-23    | •• Arm Assy . . . . .  | 1          |
| 33                 | PAFZZ              | 02731       | 7-31 1514101       | ••• Bearing, Sleeve . . . . .  | 2          |
| 34                 | PAFZZ              | 02731       | 7-21 1514095-3     | ••• Bearing, Sleeve . . . . .  | 1          |
| 35                 | PAFZZ              | 02731       | HS606S4-6          | ••• Bushing, Sleeve . . . . .  | 1          |
| 36                 | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .  | 4          |
| 37                 | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine (Usbl Eff 82-23355 thru 88-0199) . . . . .  | 2          |
| 37                 | PAFZZ              | 80205       | NAS1190-06P7       | • Screw, Cap, Socket He (Usbl Eff 88-0200 and Subs) . . . . .  | 2          |
| 38                 | PAFZZ              | 02731       | 7-31 1514104-1 1   | • Switch Sub Assembly (Usbl Eff 82-23355 thru 88-0199) . . . . .   | 1          |
| 38                 | PAFZZ              | 02731       | 7-31 1514104-15    | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

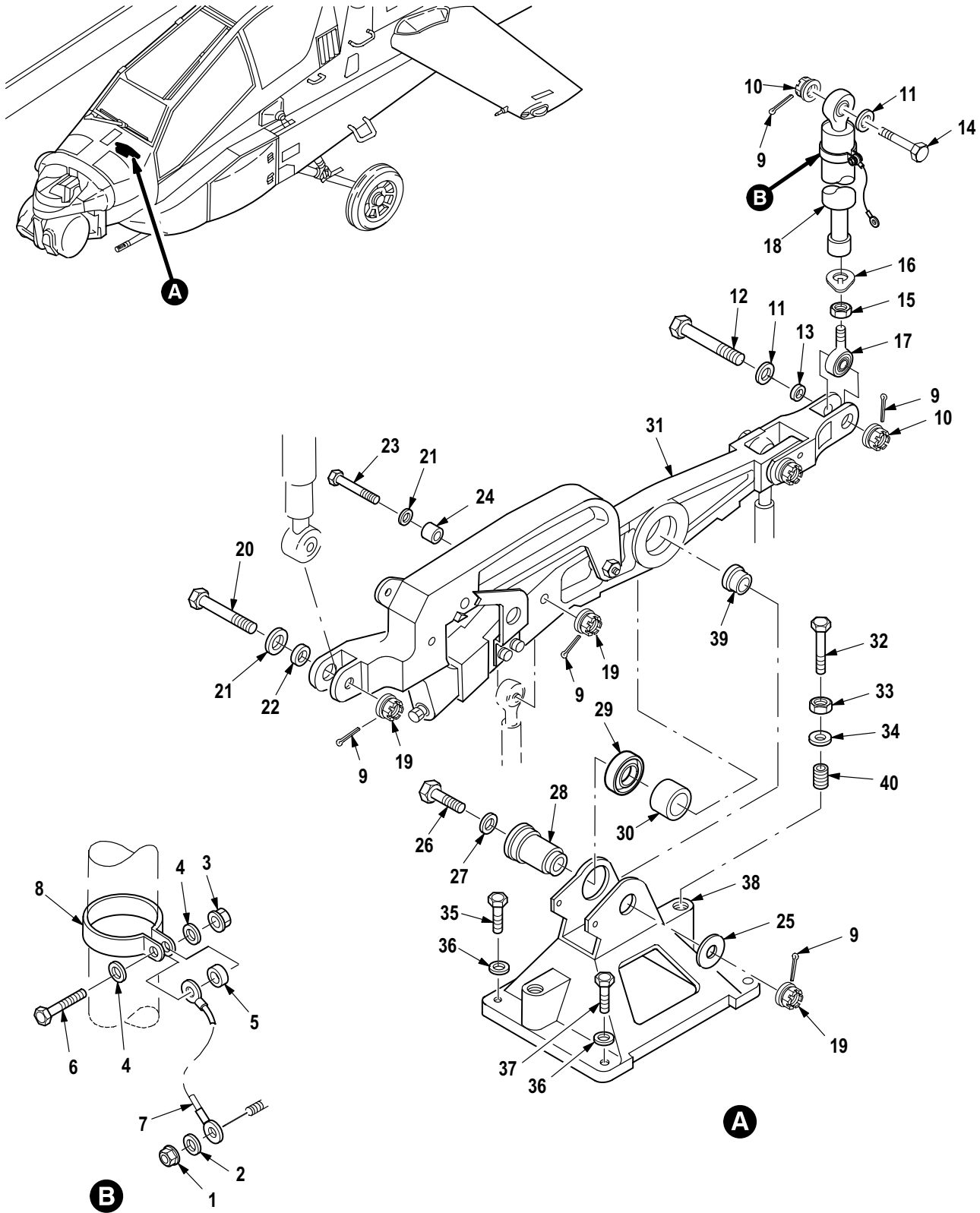


M09-951D

Figure 608. Group 11 Housing Assembly, Cyclic, Copilot/Gunner (Part 2)  
 7-31 1515074-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1515074-11 (Usbl Eff 88-0200 and Subs)



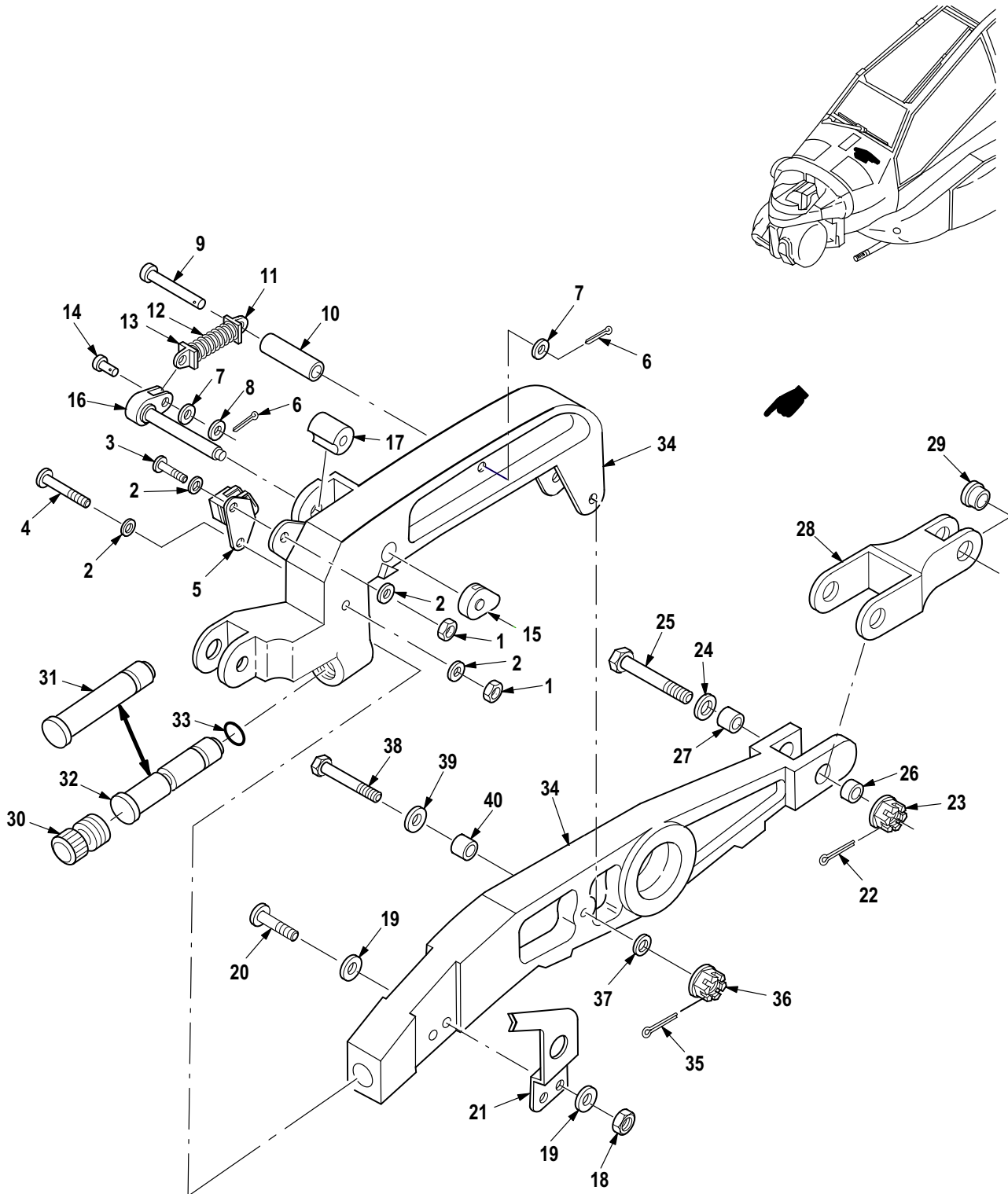
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 608 Housing Assembly, Cyclic,<br>Copilot/Gunner (Part 2)<br>7-31 1515074-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1515074-1 1<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 604 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 2          |
| 2                  | PAFZZ              | 88044       | AN960JD10LL        | • Washer, Flat .....   | 6          |
| 3                  | PAFZZ              | 80205       | NAS6203-6          | • Bolt, Shear .....  | 2          |
| 4                  | PAOFF              | 02731       | 7-21 1514079       | • Arm Assy, Input, Cycl .....  | 1          |
| 5                  | PAFZZ              | 02731       | HS5542-0301 1      | • • Bushing, Sleeve .....  | 1          |
| 6                  | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....  | 1          |
| 7                  | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 9                  | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed .....   | 1          |
| 10                 | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....  | 2          |
| 11                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....  | 2          |
| 12                 | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....   | 2          |
| 13                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....  | 1          |
| 14                 | PAOZZ              | 02731       | 7-31 1514084-3     | • Shaft, Actuator Swit .....   | 1          |
| 15                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....   | 1          |
| 16                 | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....  | 4          |
| 17                 | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....   | 7          |
| 18                 | PAFZZ              | 80205       | NAS1190-06P7       | • Screw, Cap, Socket He (Usbl Eff 88-0200 and Subs) .....  | 2          |
| 19                 | PAFZZ              | 02731       | 7-31 1514104-13    | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 19                 | PAFZZ              | 02731       | 7-31 1514104-17    | • Switch, Push (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 20                 | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....  | 1          |
| 21                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....  | 1          |
| 22                 | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....  | 1          |
| 23                 | PAFZZ              | 96906       | MS35275-227        | • Screw, Machine .....   | 2          |
| 24                 | PAFZZ              | 02731       | 7-31 1515085       | • Detent, Rotor Contro .....   | 1          |
| 25                 | PAOZZ              | 02731       | 7-1 15114025-3     | • Retainer Bearing, Cy .....   | 1          |
| 26                 | PAOZZ              | 02731       | 7-1 15114022       | • Retainer, Main Rotor .....   | 1          |
| 27                 | PAFZZ              | 21335       | MB545DDFS464       | • Bearing, Ball, Airfra .....  | 1          |
| 28                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....  | 4          |
| 29                 | PAFZZ              | 80205       | NAS428K4-13        | • Bolt, Machine .....  | 2          |
| 30                 | PAFZZ              | 80205       | NAS428H4-10        | • Bolt, Machine .....  | 2          |
| 31                 | PAFDD              | 02731       | 7-31 1515082-5     | • SPAD Assy, Co-Pilot .....  | 1          |
| 32                 | PAFZZ              | 80205       | MS21042L3          | • • Nut, Self-Locking, Ex .....  | 1          |
| 33                 | PAFZZ              | 59875       | TX90790-34         | • • Washer, Flat .....   | 1          |
| 34                 | XDFZZ              | 80205       | NAS6203-9          | • • Bolt, Shear .....  | 1          |
| 35                 | PAFFF              | 02731       | 7-31 1514023       | • Support Assy, Cyclic .....   | 1          |
| 36                 | PAFZZ              | 21335       | MB545DD (FS 464)   | • • Bearing, Ball, Airfra .....  | 1          |
| 37                 | PAFZZ              | 96906       | MS21209F1-15L      | • • Insert, Screw Thread .....   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-708D

Figure 609. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 1) 7-311516000

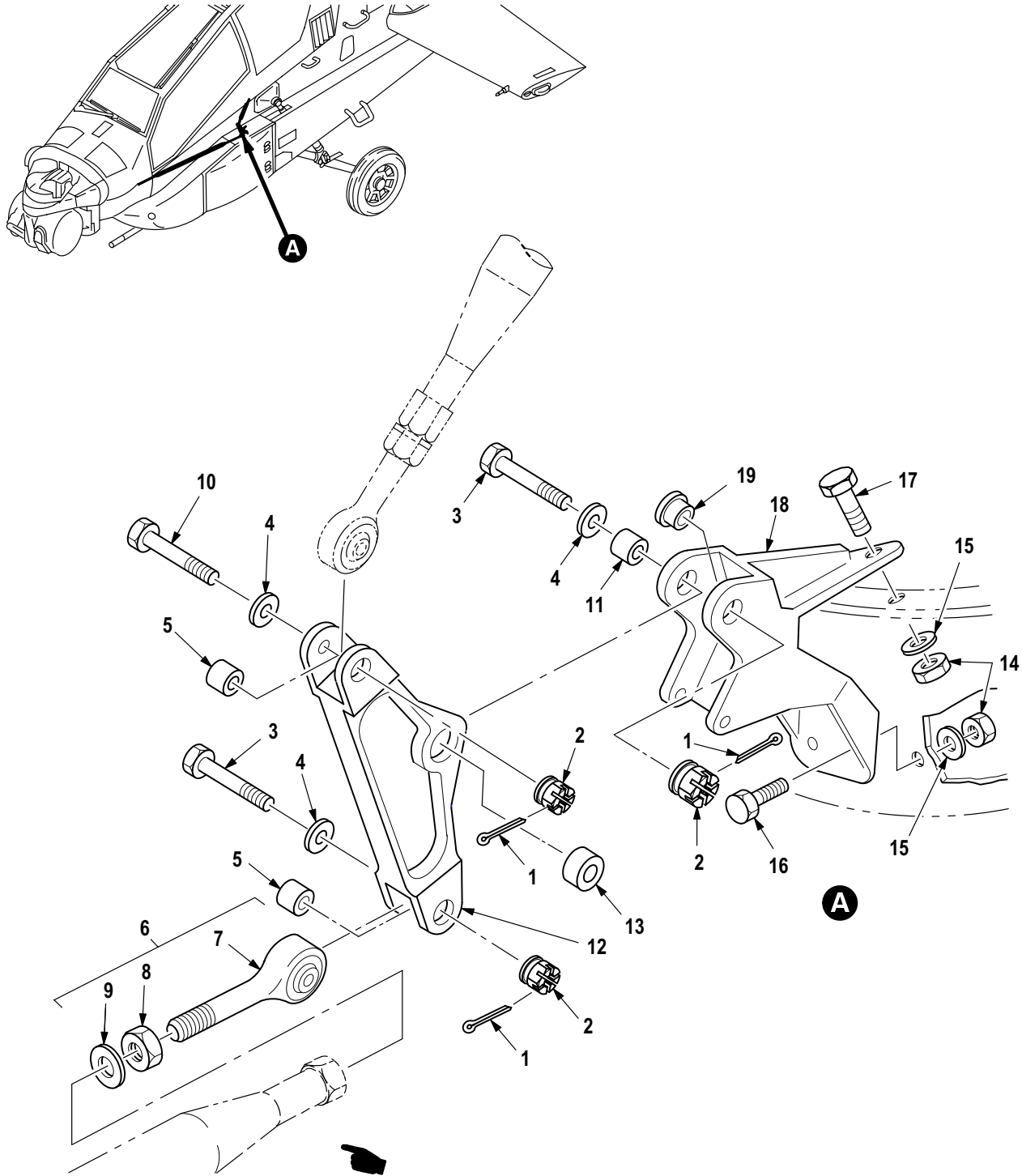
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 609 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 1)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 2                  | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 2          |
| 5                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 8                  | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 9                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 5          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .   | 2          |
| 11                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat . . . . .  | 2          |
| 12                 | PAOZZ              | 96906       | MS27576-3-14       | • Bolt, Close Toleranc . . . . .  | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-03026       | • Bushing, Sleeve . . . . .   | 1          |
| 14                 | PAOZZ              | 96906       | MS27576-3-08       | • Bolt, Close Toleranc . . . . .  | 1          |
| 15                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .   | 1          |
| 16                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .   | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En . . . . .   | 1          |
| 18                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .  | 1          |
| 18                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 19                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 3          |
| 20                 | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .  | 1          |
| 21                 | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | V          |
| 22                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 1          |
| 23                 | PAOZZ              | 96906       | MS27576-4-19       | • Bolt, Close Toleranc . . . . .  | 1          |
| 24                 | PAOZZ              | 02731       | HS5542-04106       | • Bushing, Sleeve . . . . .   | 1          |
| 25                 | PAOZZ              | 02731       | 7-31 1512109       | • Retainer, Flight Con . . . . .  | 1          |
| 26                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc . . . . .  | 1          |
| 27                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .  | V          |
| 28                 | PAOZZ              | 02731       | 7-21 1516069       | • Shaft, Input Arm, Rot . . . . .   | 1          |
| 29                 | PAOZZ              | 81343       | MS27646-40         | • Bearing, Ball, Airfra . . . . .   | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-14003       | • Bushing, Sleeve . . . . .   | 1          |
| 31                 | PAOFF              | 02731       | 7-31 1516077-5     | • SPAD Assembly, Direc (See Fig. 610 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .   | 1          |
| 31                 | PAOFF              | 02731       | 7-31 1516077-7     | • SPAD Assembly, Direc (See Fig. 610 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 32                 | PAOZZ              | 80205       | NAS428H5-10        | • Bolt, Machine . . . . .   | 2          |
| 33                 | PAOZZ              | 80205       | NAS509-5           | • Nut, Plain, Hexagon . . . . .   | 2          |
| 34                 | PAOZZ              | 88044       | AN960KD516L        | • Washer, Flat . . . . .  | 2          |
| 35                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear . . . . .   | 1          |
| 36                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | V          |
| 37                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear . . . . .   | 2          |
| 38                 | PAOFF              | 02731       | 7-31 1516065-9     | • Bracket Assy, Direct . . . . .  | 1          |
| 39                 | PAFZZ              | 02731       | HS606S10-12        | • Bushing, Sleeve . . . . .   | 1          |
| 40                 | PAFZZ              | 96906       | MS51830A203L       | • Insert, Screw Thread . . . . .  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-709J

Figure 610. Group 11 SPAD Assembly, Directional (Copilot/Gunner)  
7-31 1516077-5 (Usbl Eff 82-23355 thru 88-0199)  
7-31 1516077-7 (Usbl Eff 88-0200 and Subs)

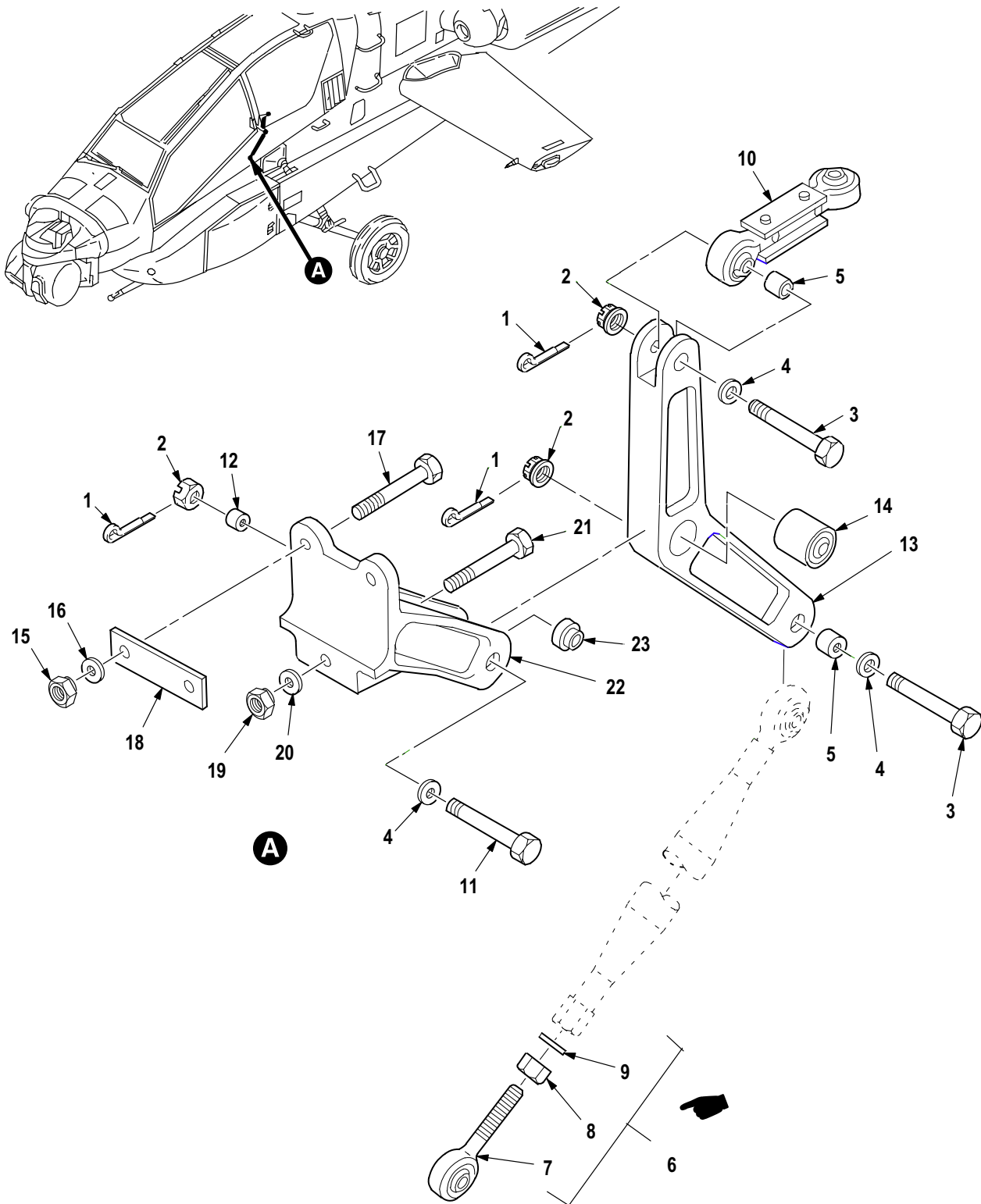
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 610 SPAD Assembly, Directional<br>(Copilot/Gunner)<br>7-31 1516077-5<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1516077-7<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 609 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....  | 2          |
| 2                  | PAFZZ              | 88044       | AN960JD6           | • Washer, Flat .....   | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-230        | • Screw, Machine .....   | 1          |
| 4                  | PAFZZ              | 96906       | MS35275-236        | • Screw, Machine .....   | 1          |
| 5                  | PAFZZ              | 02731       | 7-31 1514104-11    | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 5                  | PAFZZ              | 02731       | 7-31 1514104-15    | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 6                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter .....  | 2          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....   | V          |
| 8                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat .....   | V          |
| 9                  | PAFZZ              | 96906       | MS20392-1C59       | • Pin, Straight, Headed .....  | 1          |
| 10                 | PAFZZ              | 02731       | HS5542-02002       | • Bushing, Sleeve .....  | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....  | 1          |
| 12                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....  | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....  | 1          |
| 14                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....  | 1          |
| 15                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....  | 1          |
| 16                 | PAFZZ              | 02731       | 7-31 1514084-9     | • Shaft, Actuator Swit .....   | 1          |
| 17                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....   | 1          |
| 18                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 2          |
| 19                 | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 4          |
| 20                 | PAFZZ              | 80205       | NAS623-3-12        | • Screw, Machine .....   | 2          |
| 21                 | PAFZZ              | 02731       | 7-31 1516082       | • Detent, Switch .....   | 1          |
| 22                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 1          |
| 23                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 24                 | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | 1          |
| 25                 | PAFZZ              | 96906       | MS27576-4-25       | • Bolt, Close Toleranc .....   | 1          |
| 26                 | PAFZZ              | 02731       | HS5542-04092       | • Bushing, Sleeve .....  | 1          |
| 27                 | PAFZZ              | 02731       | HS5542-04108       | • Bushing, Sleeve .....  | 1          |
| 28                 | PAFFF              | 02731       | 7-31 1516078-5     | • Connecting Link, Rig .....   | 1          |
| 29                 | PAFZZ              | 02731       | HS606S3-5          | • Bushing, Sleeve .....  | 1          |
| 30                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....  | 1          |
| 31                 | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 32                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 33                 | PAOZZ              | 88044       | AN6227-4           | • Packing, Preformed .....   | 1          |
| 34                 | PAFDD              | 02731       | 7-31 1516079-7     | • Arm Assy, Directional (Matched Set) .....  | 1          |
| 35                 | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 1          |
| 36                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 37                 | PAFZZ              | 80205       | NAS1149F0463P      | • Washer, Flat .....   | 1          |
| 38                 | PAFZZ              | 96906       | MS27576-4-23       | • Bolt, Close Toleranc .....   | 1          |
| 39                 | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....   | 1          |
| 40                 | PAFZZ              | 02731       | HS606S4-84         | • Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-962C

Figure 611. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 2)  
7-31 1516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 611 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 2)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .  | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-541   | • Push-Pull Rod Assy . . . . .  | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En . . . . .   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon . . . . .   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key . . . . .   | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-4-18       | • Bolt, Close Toleranc . . . . .  | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04034       | • Bushing, Sleeve . . . . .   | 1          |
| 12                 | PAOFF              | 02731       | 7-1 15116046-9     | • Bell Crank . . . . .  | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra . . . . .   | 1          |
| 14                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .   | 2          |
| 15                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .  | V          |
| 16                 | PAOZZ              | 80205       | NAS6204-4H         | • Bolt, Shear . . . . .   | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-5H         | • Bolt, Shear . . . . .   | 2          |
| 18                 | PAOFF              | 02731       | 7-31 1516047       | • Bracket Control, Dir . . . . .  | 1          |
| 19                 | PAFZZ              | 02731       | HS606S4-8          | • • Bushing, Sleeve . . . . .   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

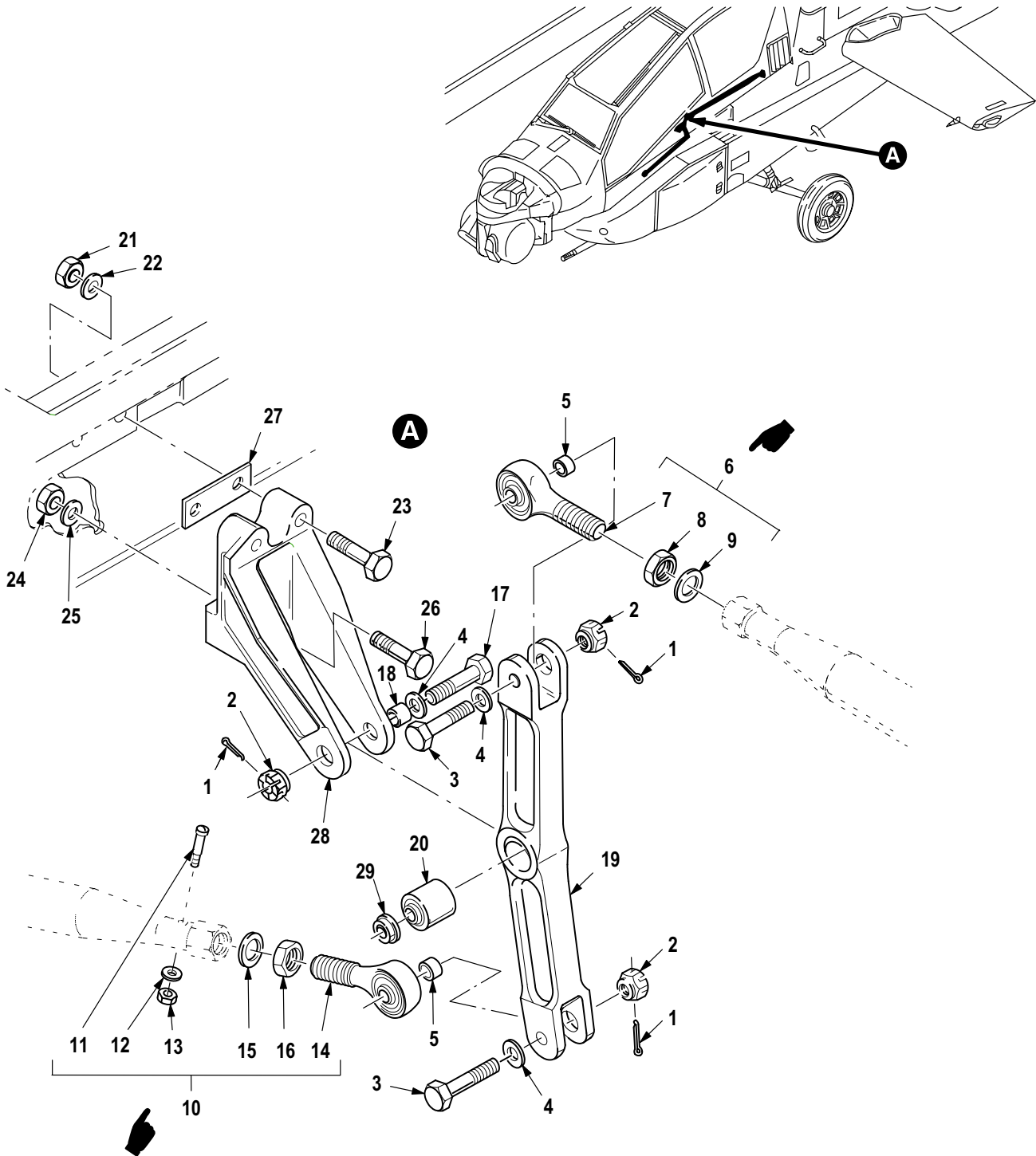


M09-963B

Figure 612. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional)  
(Part 3) 7-311516000



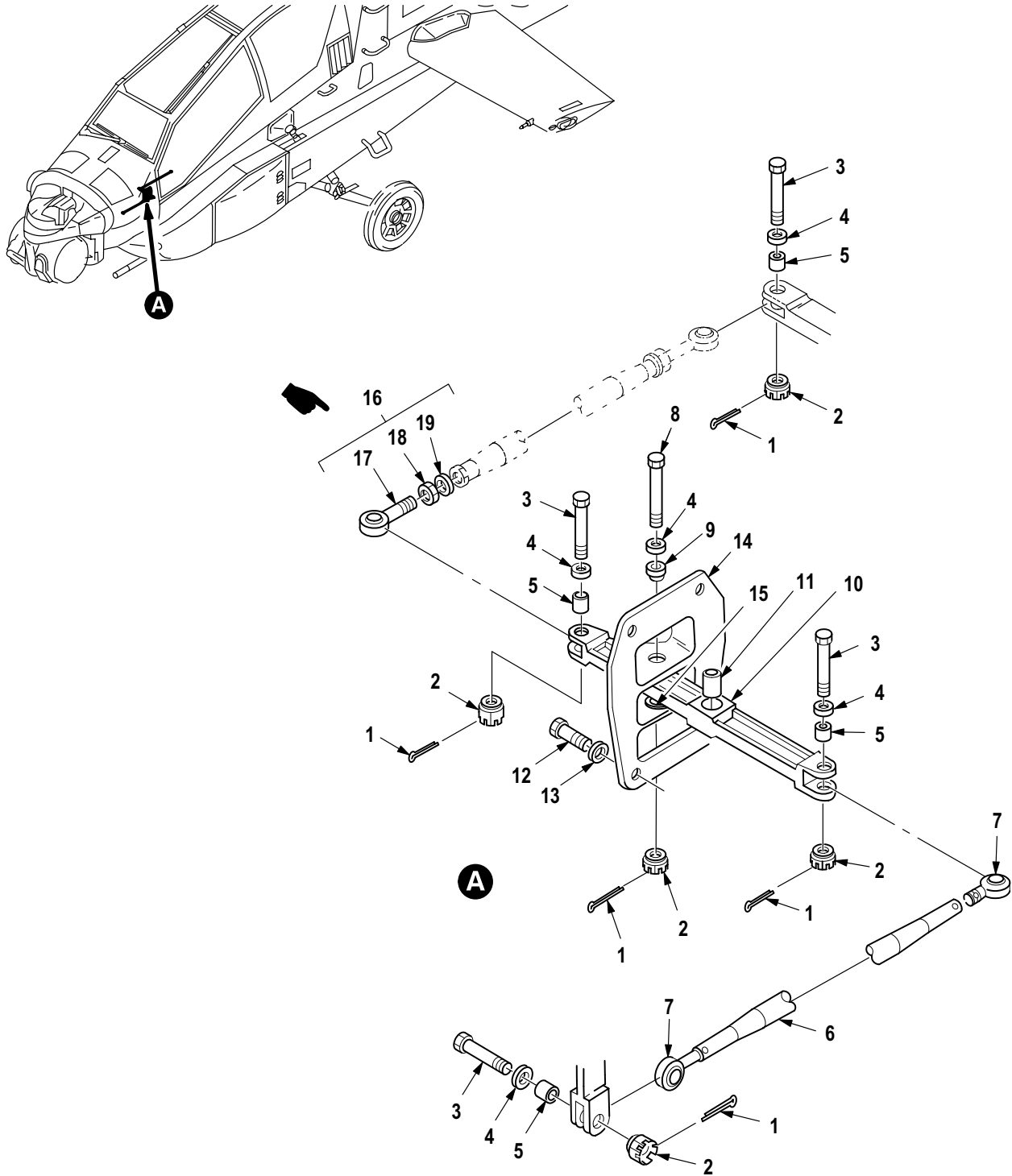
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 612 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 3)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-543   | • Push-Pull Rod Assy .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....   | 1          |
| 10                 | PAOZZ              | 02731       | 7-31 1516053       | • Connecting Link, Rig .....  | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....  | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....   | 1          |
| 13                 | PAOFF              | 02731       | 7-1 15116048-5     | • Bell Crank .....  | 1          |
| 14                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 15                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 2          |
| 16                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | V          |
| 17                 | PAOZZ              | 80205       | NAS6204-14         | • Bolt, Shear .....   | 4          |
| 18                 | PAOZZ              | 02731       | 7-1 15116058-7     | • Spacer, Plate .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex .....   | 1          |
| 20                 | PAOZZ              | 88044       | AN960KD516         | • Washer, Flat .....  | 1          |
| 21                 | PAOZZ              | 80205       | NAS6205-27         | • Bolt, Shear .....   | 1          |
| 22                 | PAOFF              | 02731       | 7-1 15116049-5     | • Bracket, Support, Rot .....   | 1          |
| 23                 | PAFZZ              | 02731       | HS606S4-1 1        | • • Bushing, Sleeve .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-964B

Figure 613. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Collective)  
7-31 1516000

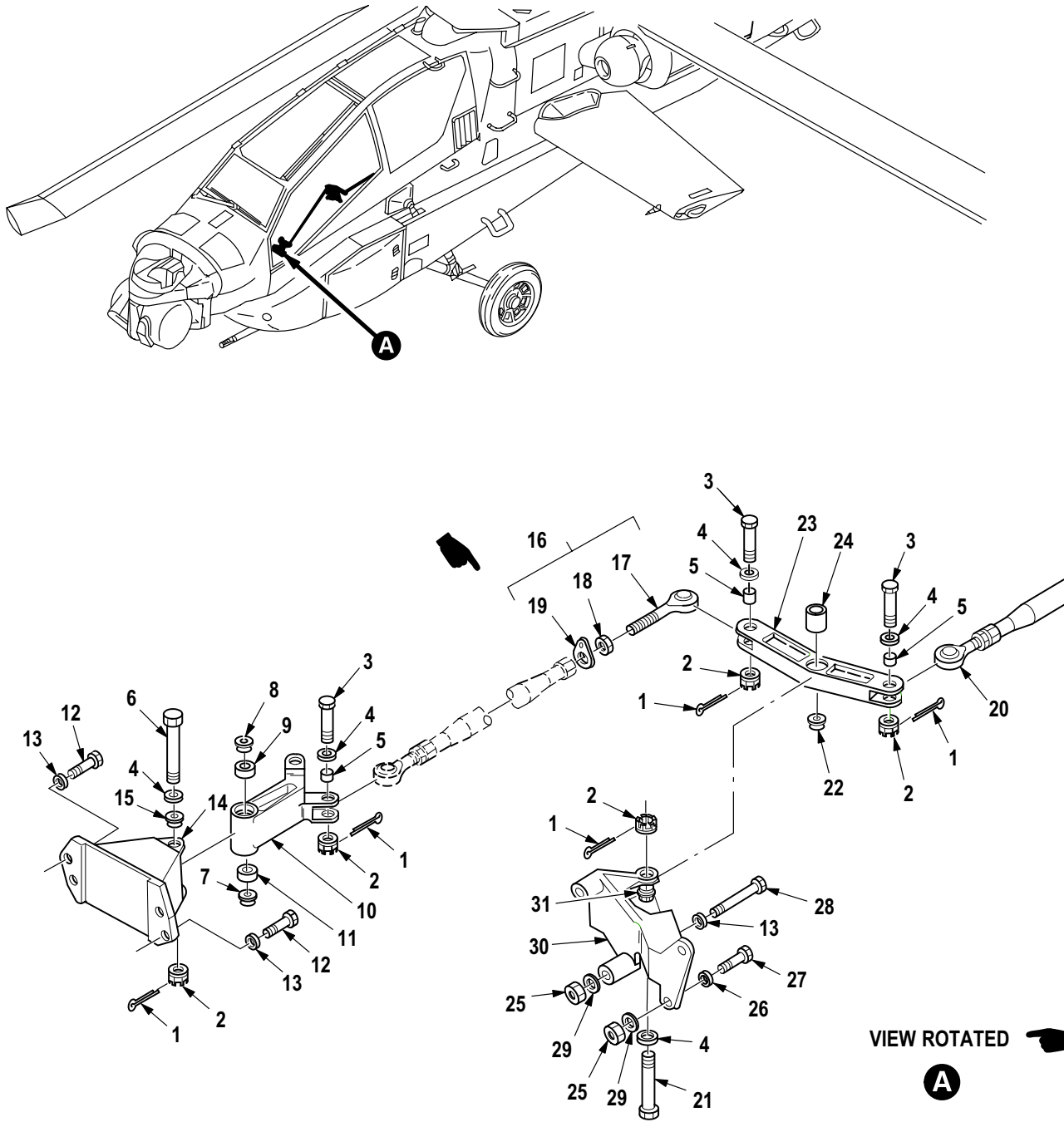
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 613 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Collective)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .  | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-547   | • Push-Pull Rod Assy . . . . .  | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En . . . . .   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon . . . . .   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key . . . . .   | 1          |
| 10                 | PAOOO              | 02731       | 7-21 1524001-573   | • Push-Pull Rod Assy . . . . .  | 1          |
| 11                 | PAOZZ              | 88044       | AN21-14            | • • Bolt, Clevis . . . . .  | 2          |
| 12                 | PAOZZ              | 80205       | NAS1149DN632K      | • • Washer, Flat . . . . .  | 2          |
| 13                 | PAOZZ              | 88044       | AN320-1            | • • Nut, Plain, Slotted H . . . . .   | 2          |
| 14                 | PAOZZ              | 02731       | 7-1 15116059-3     | • • Bearing, Plain, Rod E . . . . .   | 2          |
| 15                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key . . . . .   | 2          |
| 16                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon . . . . .   | 2          |
| 17                 | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc . . . . .  | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve . . . . .   | 1          |
| 19                 | PAOFF              | 02731       | 7-1 15116050-5     | • Bell Crank . . . . .  | 1          |
| 20                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra . . . . .   | 1          |
| 21                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .   | 2          |
| 22                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | V          |
| 23                 | PAOZZ              | 80205       | NAS6204-21         | • Bolt, Shear . . . . .   | 1          |
| 24                 | PAOZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex . . . . .   | 1          |
| 25                 | PAOZZ              | 88044       | AN960KD516         | • Washer, Flat . . . . .  | 1          |
| 26                 | PAOZZ              | 80205       | NAS6205-25         | • Bolt, Shear . . . . .   | 1          |
| 27                 | PAOZZ              | 02731       | 7-1 15116058-5     | • Spacer, Plate . . . . .   | 1          |
| 28                 | PAOFF              | 02731       | 7-1 15116051-5     | • Bracket, Support, Rot . . . . .   | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve . . . . .   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-965D

Figure 614. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 1) 7-311516000

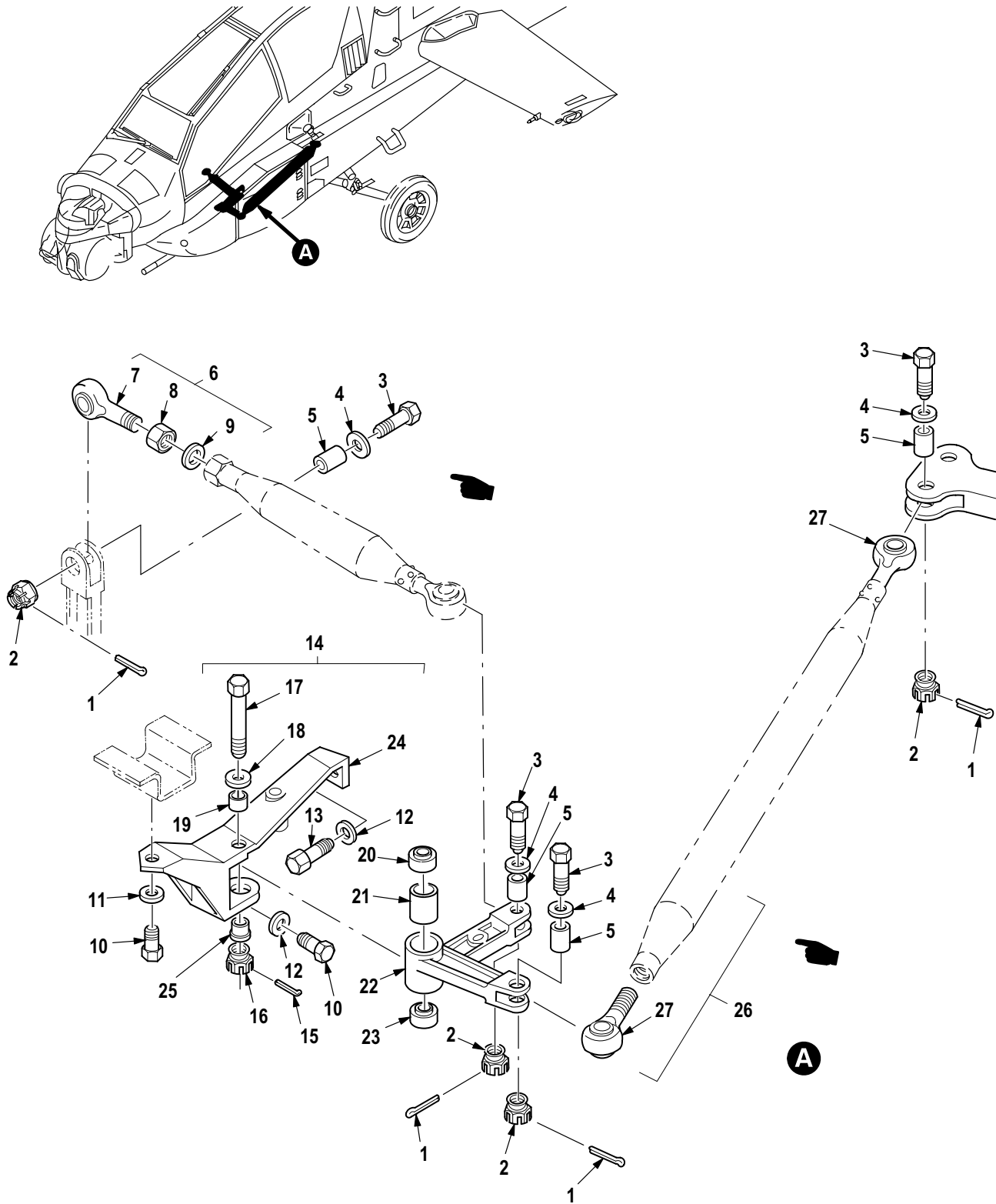
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 614 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Longitudinal) (Part 1)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 5          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 5          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 4          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 4          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-533   | • Push-Pull Rod Assy .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....  | 2          |
| 8                  | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....   | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-04036       | • Bushing, Sleeve .....  | 1          |
| 10                 | PAOFF              | 02731       | 7-1 15116040-15    | • Bell Crank .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS6204-7H         | • Bolt, Shear .....  | 4          |
| 13                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | V          |
| 14                 | PAOFF              | 02731       | 7-31 1516041       | • Bracket, Mounting .....  | 1          |
| 15                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....  | 1          |
| 16                 | PAOOO              | 02731       | 7-21 1524001-535   | • Push-Pull Rod Assy .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....  | 1          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-966E

Figure 615. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal)  
(Part 2) 7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 615 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Longitudinal) (Part 2)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 5          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 5          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 3          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 3          |
| 6                  | PAOZZ              | 96906       | MS27576-4-34       | • Bolt, Close Toleranc .....   | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04102       | • Bushing, Sleeve .....  | 1          |
| 8                  | PAOZZ              | 02731       | HS5542-04110       | • Bushing, Sleeve .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....  | 1          |
| 10                 | PAOFF              | 02731       | 7-21 1516063-5     | • Bell Crank .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....  | 4          |
| 13                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | V          |
| 14                 | PAOFF              | 02731       | 7-31 1516062       | • Bracket Assembly .....   | 1          |
| 15                 | PAFZZ              | 02731       | HS606S4-9          | • • Bushing, Sleeve .....  | 1          |
| 16                 | PAOOO              | 02731       | 7-21 1524001-537   | • Push-Pull Rod Assy .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....  | 1          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....  | 1          |
| 20                 | PAOOO              | 02731       | 7-21 1524001-539   | • Push-Pull Rod Assy .....   | 1          |
| 21                 | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....   | 1          |
| 22                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....  | 1          |
| 23                 | PAOFF              | 02731       | 7-1 15116042-5     | • Bell Crank .....   | 1          |
| 24                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 25                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....  | 4          |
| 26                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | V          |
| 27                 | PAOZZ              | 80205       | NAS6204-12H        | • Bolt, Shear .....  | 2          |
| 28                 | PAOZZ              | 80205       | NAS6204-22         | • Bolt, Shear .....  | 1          |
| 29                 | PAOZZ              | 02731       | 7-1 15116058-1 1   | • Spacer, Plate .....  | V          |
| 30                 | PAOFF              | 02731       | 7-31 1516064       | • Bracket Assy, Flight .....   | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-10         | • • Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

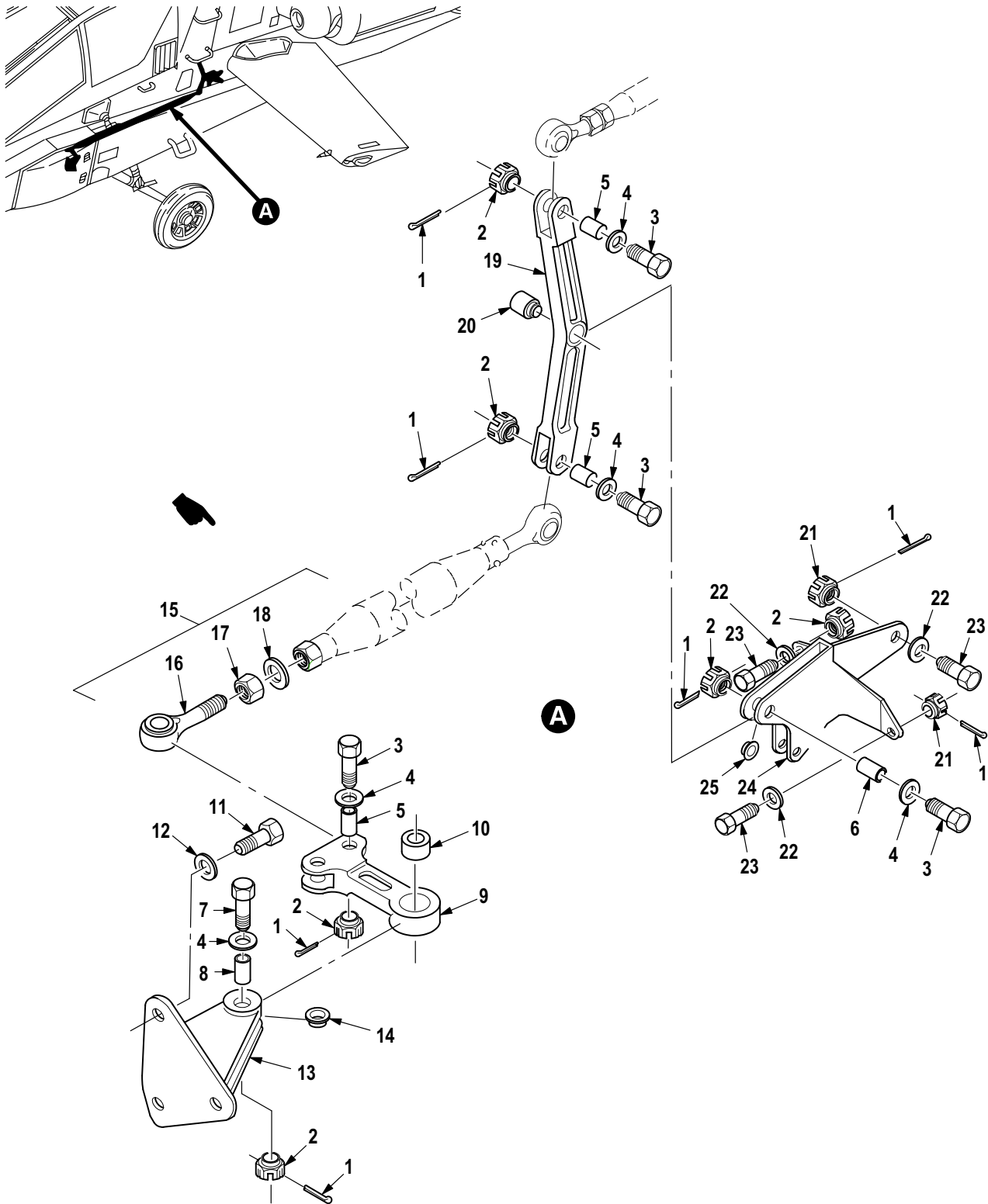


M09-967D

Figure 616. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 1)  
7-31 1516000



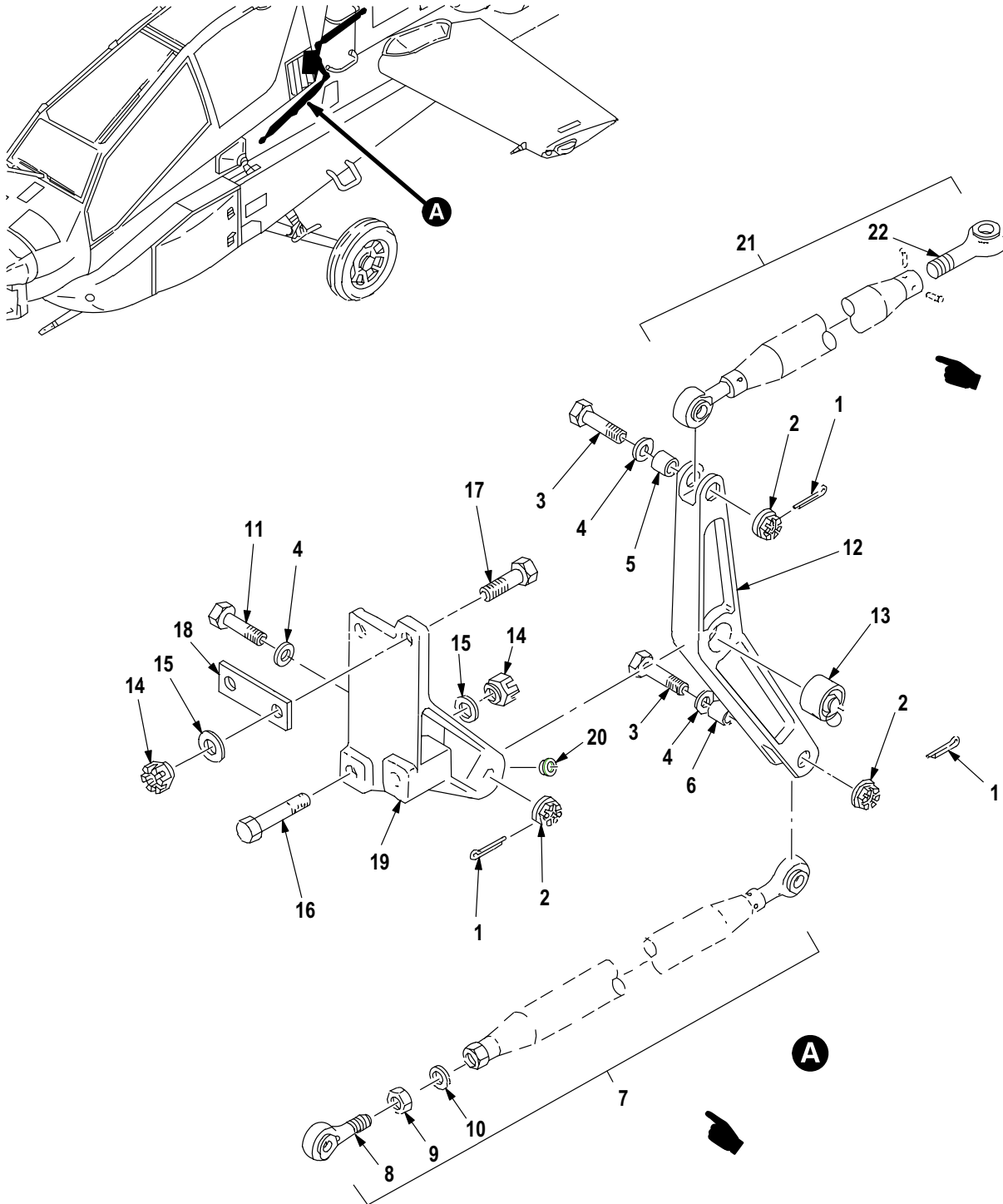
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 616 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 1)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 4          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .  | 4          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 4          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-523   | • Push-Pull Rod Assy . . . . .  | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En . . . . .   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon . . . . .   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key . . . . .   | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear . . . . .   | 2          |
| 11                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .  | V          |
| 12                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | V          |
| 13                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear . . . . .   | 2          |
| 14                 | PAOFF              | 02731       | 7-31 1516080       | • Bracket Assembly, Co . . . . .  | 1          |
| 15                 | PAOZZ              | 96906       | MS24665-153        | • • Pin, Cotter . . . . .   | 1          |
| 16                 | PAOZZ              | 96906       | MS21224-4          | • • Nut, Self-Locking, As . . . . .   | 1          |
| 17                 | PAOZZ              | 96906       | MS27576-4-31       | • • Bolt, Close Toleranc . . . . .  | 1          |
| 18                 | PAOZZ              | 88044       | AN960-416L         | • • Washer, Flat . . . . .  | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-04059       | • • Bushing, Sleeve . . . . .   | 1          |
| 20                 | PAOZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra . . . . .   | 1          |
| 21                 | PAOZZ              | 80205       | NAS43DD4-48        | • • Spacer, Sleeve . . . . .  | 1          |
| 22                 | PAOFF              | 02731       | 7-31 1516061       | • • Bell Crank . . . . .  | 1          |
| 23                 | PAFZZ              | 96906       | MS27641-4          | • • • Bearing, Ball, Airfra . . . . .   | 1          |
| 24                 | PAOFF              | 02731       | 7-31 1516060       | • • Bracket Assembly, Be . . . . .  | 1          |
| 25                 | PAFZZ              | 02731       | HS606S4-13         | • • • Bushing, Sleeve . . . . .   | 1          |
| 26                 | PAOOO              | 02731       | 7-21 1524001-525   | • Push-Pull Rod Assy . . . . .  | 1          |
| 27                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En . . . . .   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-968F

Figure 617. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 2)  
7-31 1516000

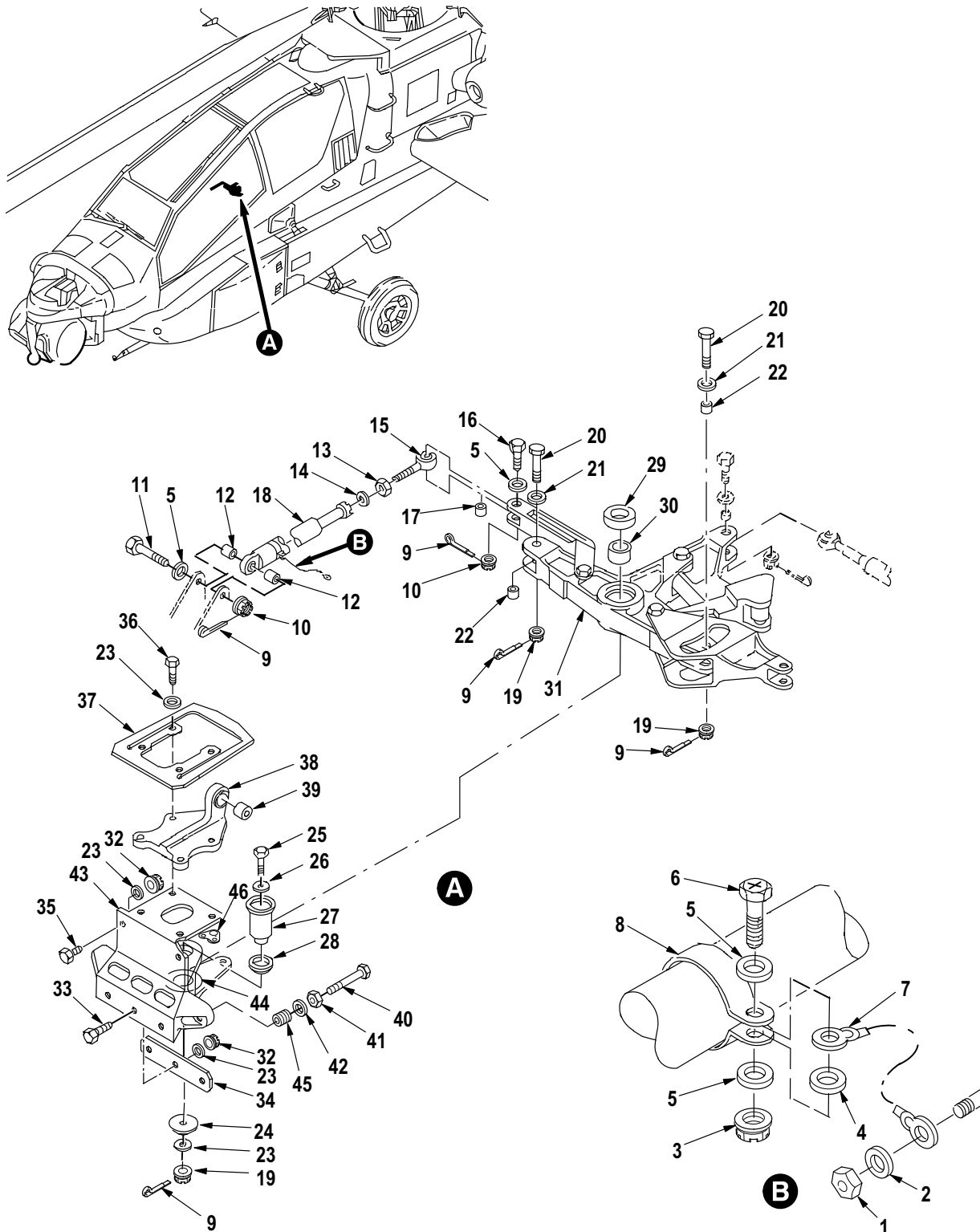
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 617 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 2)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 9          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 6          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .  | 5          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 2          |
| 6                  | PAOZZ              | 02731       | HS5542-04033       | • Bushing, Sleeve . . . . .   | 1          |
| 7                  | PAOZZ              | 96906       | MS27576-4-18       | • Bolt, Close Toleranc . . . . .  | 1          |
| 8                  | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve . . . . .   | 1          |
| 9                  | PAOFF              | 02731       | 7-1 15116034-5     | • Bell Crank . . . . .  | 1          |
| 10                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra . . . . .   | 1          |
| 11                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear . . . . .   | 3          |
| 12                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | V          |
| 13                 | PAOFF              | 02731       | 7-1 15116035       | • Bracket, Support Rot . . . . .  | 1          |
| 14                 | PAFZZ              | 02731       | HS606S4-8          | • • Bushing, Sleeve . . . . .   | 1          |
| 15                 | PAOOO              | 02731       | 7-21 1524001-527   | • Push-Pull Rod Assy . . . . .  | 1          |
| 16                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En . . . . .   | 1          |
| 17                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon . . . . .   | 1          |
| 18                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key . . . . .   | 1          |
| 19                 | PAOFF              | 02731       | 7-1 15116036-5     | • Bell Crank . . . . .  | 1          |
| 20                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra . . . . .   | 1          |
| 21                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .   | 3          |
| 22                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .  | V          |
| 23                 | PAOZZ              | 80205       | NAS6204-6H         | • Bolt, Shear . . . . .   | 3          |
| 24                 | PAOFF              | 02731       | 7-31 1516037       | • Bracket Assembly, La . . . . .  | 1          |
| 25                 | PAFZZ              | 02731       | HS606S4-6          | • • Bushing, Sleeve . . . . .   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



MM09-969E

Figure 618. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 3)  
7-31 1516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 618 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 3)<br>7-31 1516000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....  | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04033       | • Bushing, Sleeve .....   | 1          |
| 7                  | PAOOO              | 02731       | 7-21 1524001-529   | • Push-Pull Rod Assy .....  | 1          |
| 8                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....   | 1          |
| 10                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....   | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-21       | • Bolt, Close Toleranc .....  | 1          |
| 12                 | PAOFF              | 02731       | 7-21 1516038-5     | • Bell Crank .....  | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 14                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 3          |
| 15                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | V          |
| 16                 | PAOZZ              | 80205       | NAS6204-24         | • Bolt, Shear .....   | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-14         | • Bolt, Shear .....   | 4          |
| 18                 | PAOZZ              | 02731       | 7-1 15116058-3     | • Spacer, Plate .....   | 1          |
| 19                 | PAOFZ              | 02731       | 7-21 1516039       | • Bracket Assy, Latera .....  | 1          |
| 20                 | PAFZZ              | 02731       | HS606S4-6          | • • Bushing, Sleeve .....   | 1          |
| 21                 | PAOOO              | 02731       | 7-21 1524001-531   | • Push-Pull Rod Assy .....  | 1          |
| 22                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-726D

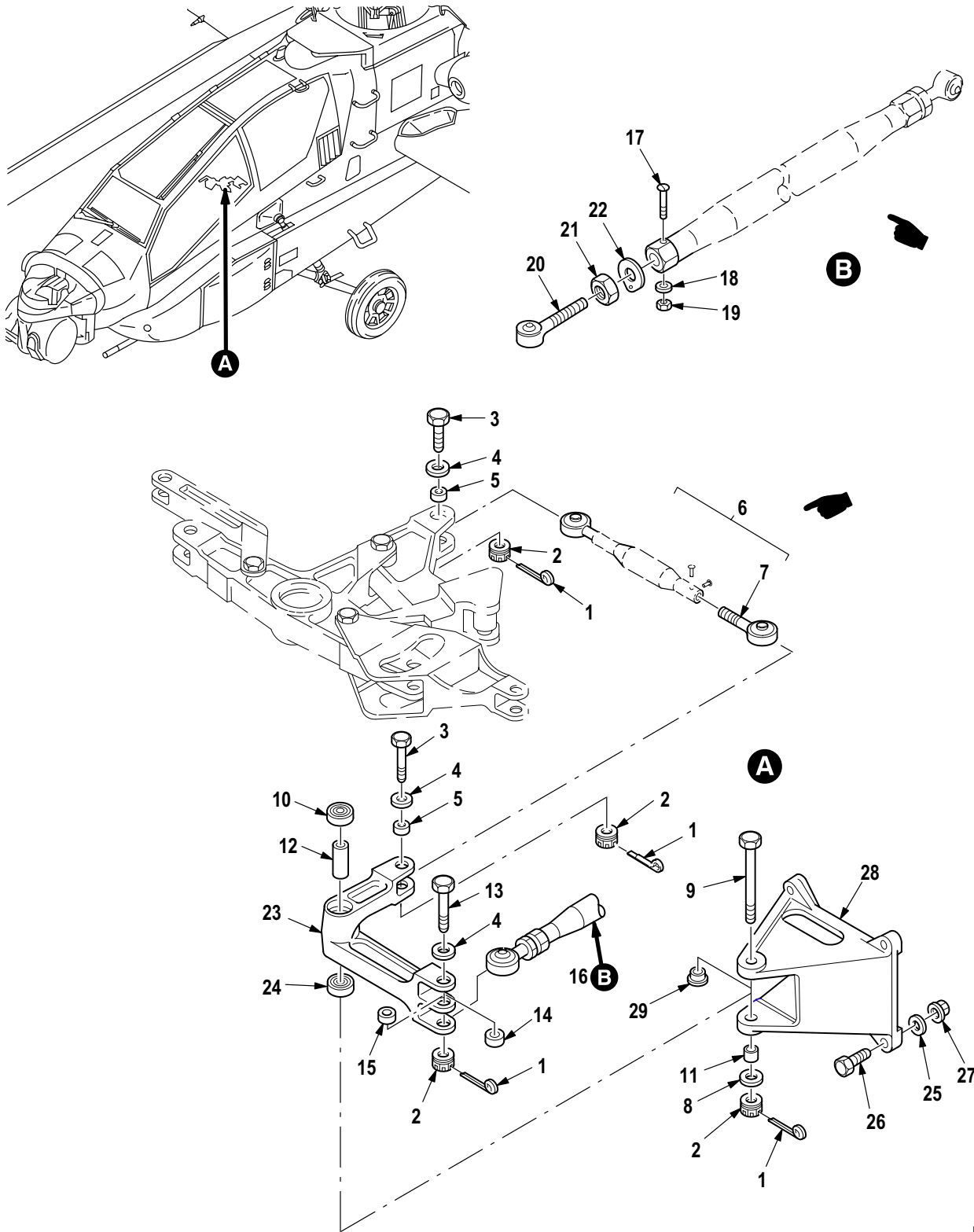
Figure 619. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 1)  
7-31 1517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 619 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 1)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 2                  | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 4                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat . . . . .  | 3          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 8                  | PAOZZ              | 88044       | AN735-12           | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 9                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .   | 5          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .   | 2          |
| 11                 | PAOZZ              | 96906       | MS27576-3-22       | • Bolt, Close Toleranc . . . . .  | 1          |
| 12                 | PAOZZ              | 80205       | NAS43DD3-32N       | • Spacer, Sleeve . . . . .  | 2          |
| 13                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .   | 1          |
| 14                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .   | 1          |
| 15                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En . . . . .   | 1          |
| 16                 | PAOZZ              | 96906       | MS27576-3-13       | • Bolt, Close Toleranc . . . . .  | 1          |
| 17                 | PAOZZ              | 02731       | HS5542-03025       | • Bushing, Sleeve . . . . .   | 1          |
| 18                 | PAOZZ              | 02731       | 7-1 15200106-3     | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .  | 1          |
| 18                 | PAOZZ              | 02731       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .  | 1          |
| 19                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .   | 3          |
| 20                 | PAOZZ              | 96906       | MS27576-4-19       | • Bolt, Close Toleranc . . . . .  | 2          |
| 21                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .  | 2          |
| 22                 | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve . . . . .   | 2          |
| 23                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .  | 8          |
| 24                 | PAOZZ              | 02731       | 7-31 1512109       | • Retainer, Flight Con . . . . .  | 1          |
| 25                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc . . . . .  | 1          |
| 26                 | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .  | 4          |
| 27                 | PAOZZ              | 02731       | 7-21 1516069       | • Shaft, Input Arm, Rot . . . . .   | 1          |
| 28                 | PAOZZ              | 02731       | HS5542-14003       | • Bushing, Sleeve . . . . .   | 1          |
| 29                 | PAOZZ              | 81343       | MS27646-40         | • Bearing, Ball, Airfra . . . . .   | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .   | 1          |
| 31                 | PAOFF              | 02731       | 7-31 1517067-7     | • SPAD Assembly (See Fig. 622 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .  | 1          |
| 31                 | PAOFF              | 02731       | 7-31 1517067-9     | • SPAD Assembly (See Fig. 622 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 32                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .   | 4          |
| 33                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear . . . . .   | 3          |
| 34                 | PAOZZ              | 02731       | 7-1 15116058-15    | • Spacer, Tail Rotor . . . . .  | 1          |
| 35                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine . . . . .   | 2          |
| 36                 | PAOZZ              | 80205       | NAS6604-12         | • Bolt, Shear . . . . .   | 4          |
| 37                 | PAOZZ              | 02731       | 7-21 1521049-3     | • Sring, Pedal Engagem . . . . .  | 1          |
| 38                 | PAOFF              | 02731       | 7-31 1521007       | • Support Assy, Pedal . . . . .   | 1          |
| 39                 | PAFZZ              | 02731       | HS4608-4           | • • Bearing, Plain, Self- . . . . .   | 1          |
| 40                 | PAOZZ              | 80205       | NAS428H5-10        | • Bolt, Machine . . . . .   | 2          |
| 41                 | PAOZZ              | 80205       | NAS509-5           | • Nut, Plain, Hexagon . . . . .   | 1          |
| 42                 | PAOZZ              | 88044       | AN960KD516L        | • Washer, Flat . . . . .  | 2          |
| 43                 | PAOOO              | 02731       | 7-31 1517057       | • Bracket Assy, Bellcr . . . . .  | 1          |
| 44                 | PAOZZ              | 02731       | HS606S10-12        | • • Bushing, Sleeve . . . . .   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 45                 | PAOZZ              | 96906       | MS51830A203L       | •• Insert, Screw Thread .....               | 2          |
| 46                 | PAOZZ              | 02731       | HS4153-048         | •• Nut, Self-Locking, PI .....              | 4          |
| END OF FIGURE      |                    |             |                    |   |            |







M09-1219E

Figure 620. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 2)  
7-31 1517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 620 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 2)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 4          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 3          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-557   | • Push-Pull Rod Assy .....  | 1          |
| 7                  | XAOZZ              | 96906       | MS21151-8          | •• Bearing, Ball, Rod En .....  | 2          |
| 8                  | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS27576-4-39       | • Bolt, Close Toleranc .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....   | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04066       | • Bushing, Sleeve .....   | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04074       | • Bushing, Sleeve .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS27576-4-28       | • Bolt, Close Toleranc .....  | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....   | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....   | 1          |
| 16                 | PAOOO              | 02731       | 7-21 1524001-545   | • Push-Pull Rod Assy .....  | 1          |
| 17                 | PAOZZ              | 88044       | AN21-14            | •• Bolt, Clevis .....   | 2          |
| 18                 | PAOZZ              | 80205       | NAS1149DN632K      | •• Washer, Flat .....   | 2          |
| 19                 | PAOZZ              | 88044       | AN320-1            | •• Nut, Plain, Slotted H .....  | 2          |
| 20                 | PAOZZ              | 02731       | 7-1 15116059-3     | •• Bearing, Plain, Rod E .....  | 2          |
| 21                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 2          |
| 22                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 2          |
| 23                 | PAOFF              | 02731       | 7-31 1517061       | • Bell Crank .....  | 1          |
| 24                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 25                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....  | 4          |
| 26                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....   | 4          |
| 27                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 4          |
| 28                 | PAOFF              | 02731       | 7-31 1517060       | • Bracket Assy, Bellcr .....  | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-18         | •• Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 621 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 3)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 8          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 8          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 5          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 5          |
| 6                  | PAOZZ              | 02731       | HS306-327H         | • Washer, Flat .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS27576-4-85       | • Bolt, Close Toleranc .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1517072       | • Bushing, Sleeve .....   | 1          |
| 9                  | PAOZZ              | 02731       | 7-31 1517071       | • Pivot, Rotor Control .....  | 1          |
| 10                 | PAOFF              | 02731       | 7-31 1517012       | • Bell Crank .....  | 1          |
| 11                 | PAFZZ              | 81343       | MS27646-38         | • • Bearing, Ball, Airfra .....   | 2          |
| 12                 | PAFZZ              | 80205       | NAS43DD10-14       | • • Spacer, Sleeve .....  | 1          |
| 13                 | PAOOO              | 02731       | 7-21 1524001-569   | • Push-Pull Rod Assy .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....   | 2          |
| 15                 | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....  | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04060       | • Bushing, Sleeve .....   | 1          |
| 17                 | PAOFF              | 02731       | 7-1 15116040-17    | • Bell Crank .....  | 1          |
| 18                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 19                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 7          |
| 20                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 8          |
| 21                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....   | 7          |
| 22                 | PAOFF              | 02731       | 7-1 15117047-5     | • Bracket, Directional .....  | 1          |
| 23                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....   | 1          |
| 24                 | PAOOO              | 02731       | 7-21 1524001-583   | • Push-Pull Rod Assy .....  | 1          |
| 25                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....   | 1          |
| 26                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....   | 1          |
| 27                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....   | 1          |
| 28                 | XDOZZ              | 96906       | MS27576-4-47       | • Bolt, Close Toleranc .....  | 1          |
| 29                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....   | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-04062       | • Bushing, Sleeve .....   | 1          |
| 31                 | PAOZZ              | 02731       | HS5542-04077       | • Bushing, Sleeve .....   | 1          |
| 32                 | PAOFF              | 02731       | 7-31 1517052       | • Bell Crank .....  | 1          |
| 33                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 34                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....   | 1          |
| 35                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....   | 1          |
| 36                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....   | 2          |
| 37                 | PAOFF              | 02731       | 7-31 1517020       | • Bracket Assy, Flight .....  | 1          |
| 38                 | PAFZZ              | 02731       | HS606S4-15         | • • Bushing, Sleeve .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

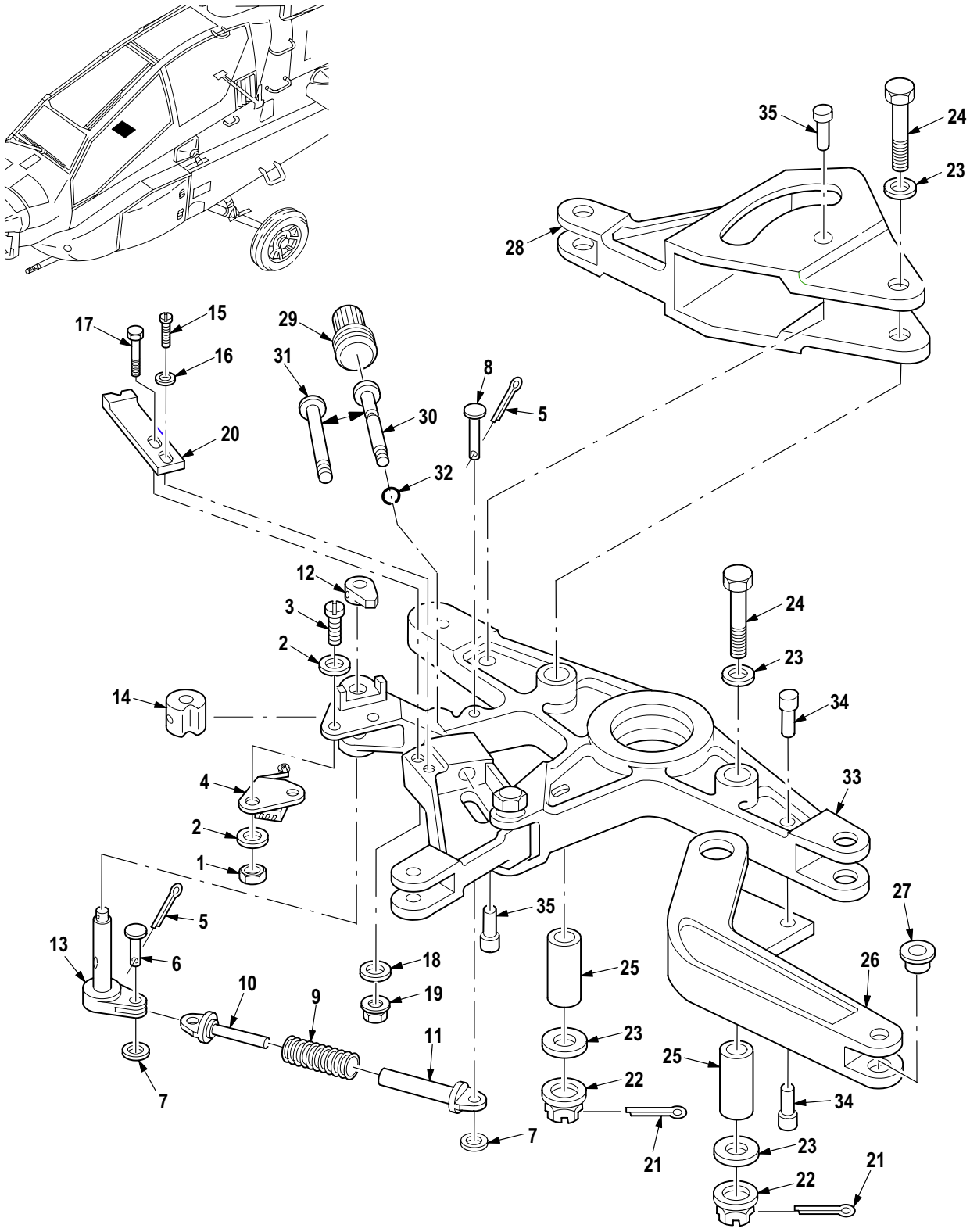
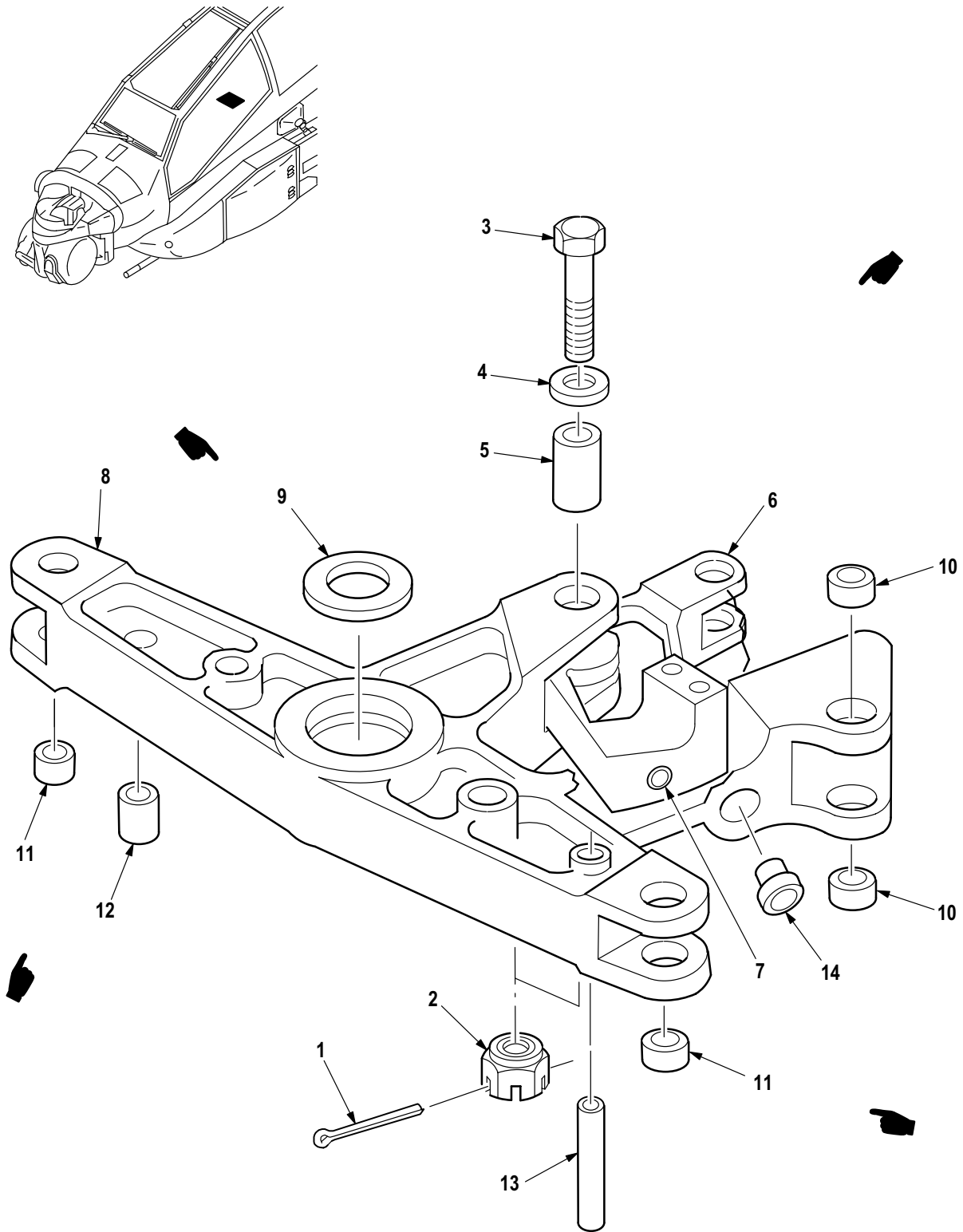


Figure 622. Group 11 SPAD Assembly, Control, Pilot (Directional)  
 7-31 1517067-7 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1517067-9 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 622 SPAD Assembly, Control,<br>Pilot (Directional)<br>7-31 1517067-7 (Usbl Eff 82-23355 thru 88-0199)<br>7-31 1517067-9 (Usbl Eff 88-0200 and Subs)<br>See Fig. 619 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35649-264        | • Nut, Plain, Hexagon .....  | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....   | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine .....   | 2          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-11    | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-15    | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter .....  | 2          |
| 6                  | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....  | 1          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....   | 2          |
| 8                  | PAFZZ              | 96906       | MS9462-21          | • Pin, Straight, Headed .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....  | 1          |
| 10                 | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern .....  | 1          |
| 11                 | XDFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern .....  | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight .....  | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514084-11    | • Shaft, Actuator, Swit .....  | 1          |
| 14                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control .....   | 1          |
| 15                 | PAFZZ              | 96906       | MS35275-244        | • Screw, Machine .....   | 2          |
| 16                 | PAFZZ              | 88044       | AN960KD8           | • Washer, Flat .....   | 2          |
| 17                 | PAFZZ              | 80205       | NAS6603H26         | • Bolt, Shear (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 18                 | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 19                 | PAFZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 20                 | XDFZZ              | 02731       | 7-31 1517073       | • Detent (Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 20                 | XDFZZ              | 02731       | 7-31 1517073-3     | • Detent (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 21                 | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 2          |
| 22                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 2          |
| 23                 | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | 4          |
| 24                 | PAFZZ              | 96906       | MS27576-4-22       | • Bolt, Close Toleranc .....   | 2          |
| 25                 | PAFZZ              | 02731       | HS5542-04076       | • Bushing, Sleeve .....  | 2          |
| 26                 | PAFFF              | 02731       | 7-31 1516076       | • Arm Assembly, Direct .....   | 1          |
| 27                 | PAFZZ              | 02731       | HS606S3-4          | • Bushing, Sleeve .....  | 1          |
| 28                 | PAOZZ              | 02731       | 7-31 1516068       | • Lever, Remote Contro .....   | 1          |
| 29                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin .....  | 1          |
| 30                 | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....   | 1          |
| 31                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 32                 | PAOZZ              | 96906       | MS28775-009        | • O-Ring .....   | 1          |
| 33                 | PAOFF              | 02731       | 7-31 1517070-13    | • Bell Crank (See Fig. 623 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 33                 | PAOFF              | 02731       | 7-31 1517070-17    | • Bell Crank (See Fig. 623 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....   | 1          |
| 34                 | PAFZZ              | 96906       | MS20470AD4-12      | • Rivet, Solid .....   | 1          |
| 35                 | PAFZZ              | 96906       | MS20470AD3-27      | • Rivet, Solid .....   | 3          |
| END OF FIGURE      |                    |             |                    |  |            |

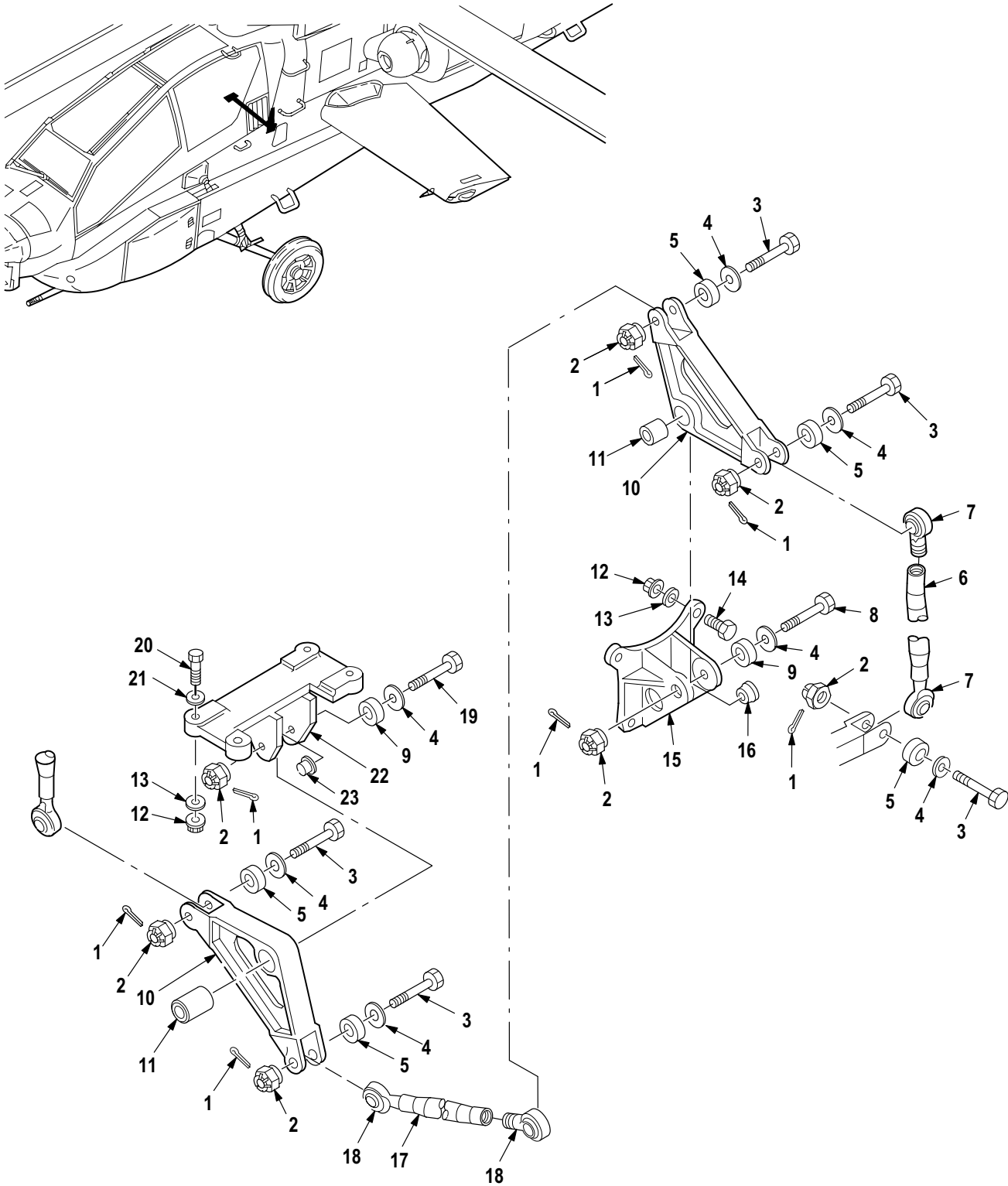


M09-1169A

Figure 623. Group 11 Bellcrank Assembly  
7-31 1517070-13 (Usbl Eff 82-23355 thru 88-0199)  
7-31 1517070-17 (Usbl Eff 88-0200 and Subs)



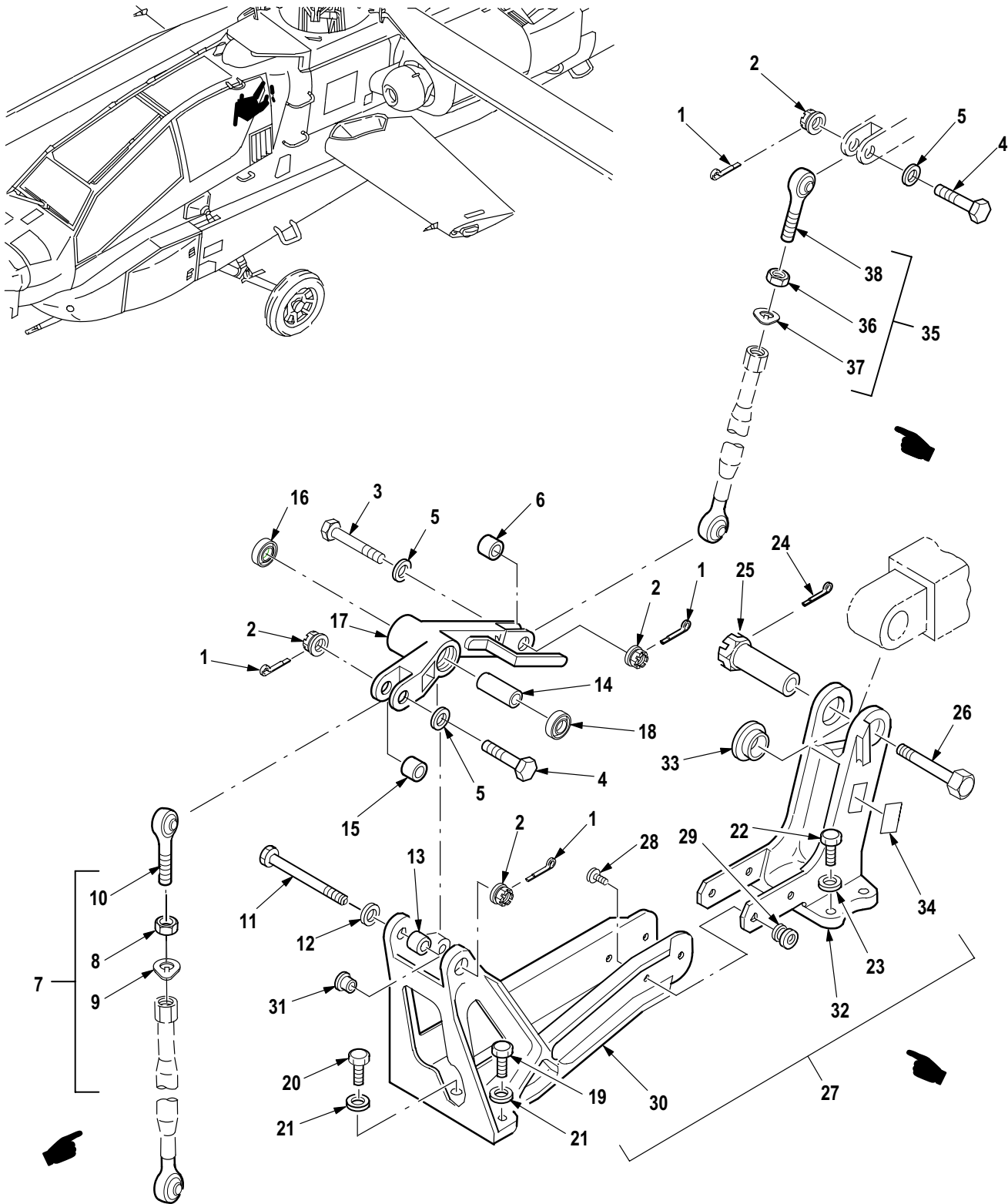
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 623 Bellcrank Assembly<br>7-31 1517070-13<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-31 1517070-17<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 622 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 1          |
| 2                  | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 1          |
| 3                  | PAFZZ              | 96906       | MS27576-4-21       | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | 1          |
| 5                  | PAFZZ              | 02731       | HS5542-041 16      | • Bushing, Sleeve .....  | 1          |
| 6                  | XAFFF              | 02731       | 7-31 1517059-9     | • Bellcrank Assy (Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 6                  | XAFFF              | 02731       | 7-31 1517059-13    | • Bellcrank Assy (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 7                  | XAFZZ              | 02731       | 7-31 1514096       | •• Bushing, Sleeve .....   | 1          |
| 8                  | XAFFF              | 02731       | 7-31 1517058-17    | • Bellcrank Assy .....   | 1          |
| 9                  | PAFZZ              | 81343       | MS27646-40         | •• Bearing, Ball, Airfra .....   | 1          |
| 10                 | PAFZZ              | 02731       | 7-31 1514101       | •• Bearing, Sleeve .....   | 2          |
| 11                 | XDFZZ              | 02731       | HS606S4-12         | •• Bushing, Sleeve .....   | 2          |
| 12                 | PAFZZ              | 02731       | HS5542-02004       | •• Bushing, Sleeve .....   | 1          |
| 13                 | PAFZZ              | 02731       | HS5542-02003       | •• Bushing, Sleeve .....   | 1          |
| 14                 | PAFZZ              | 02731       | 7-21 1514095-3     | •• Bearing, Sleeve .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-720D

Figure 624. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 1)  
7-31 1517000

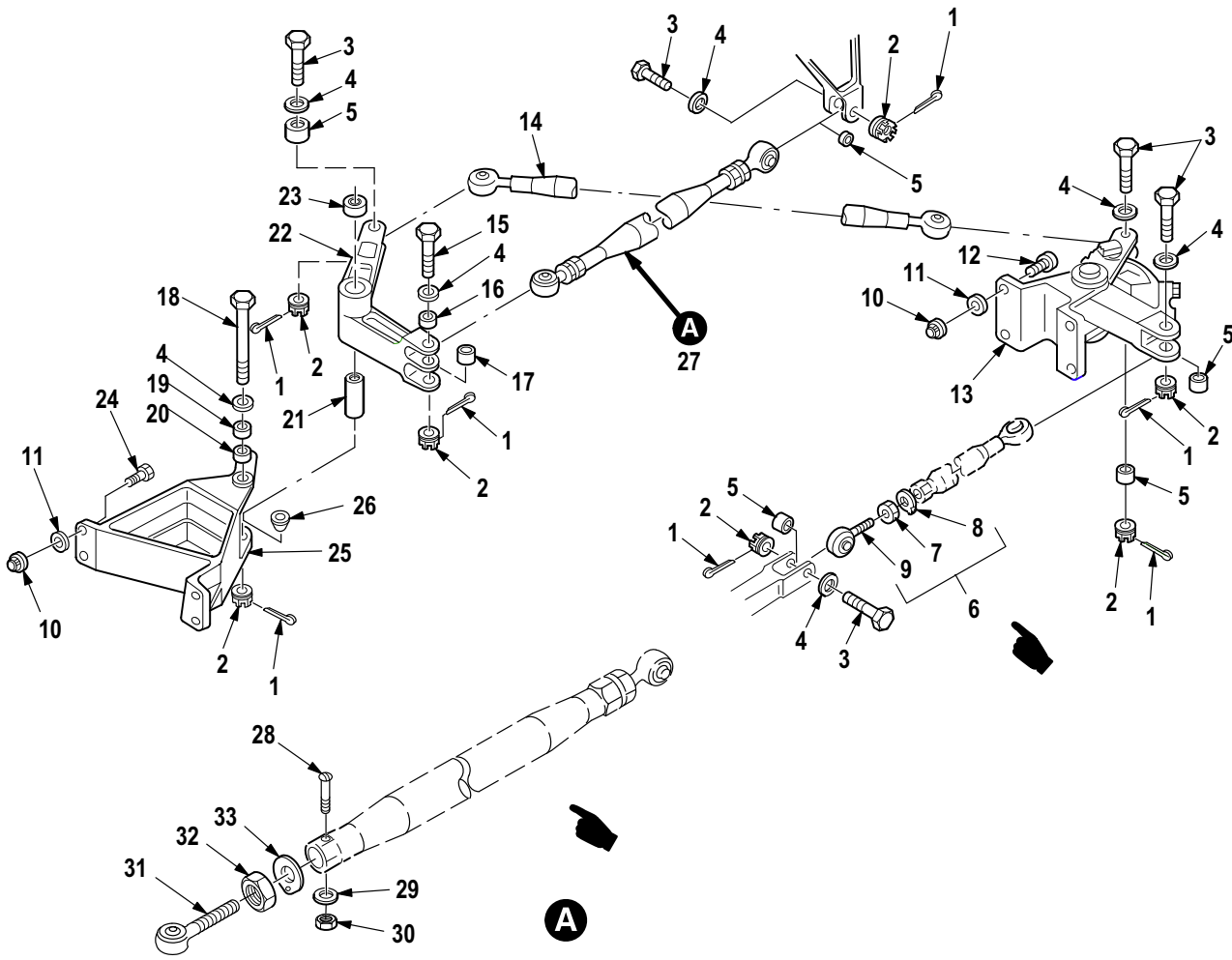
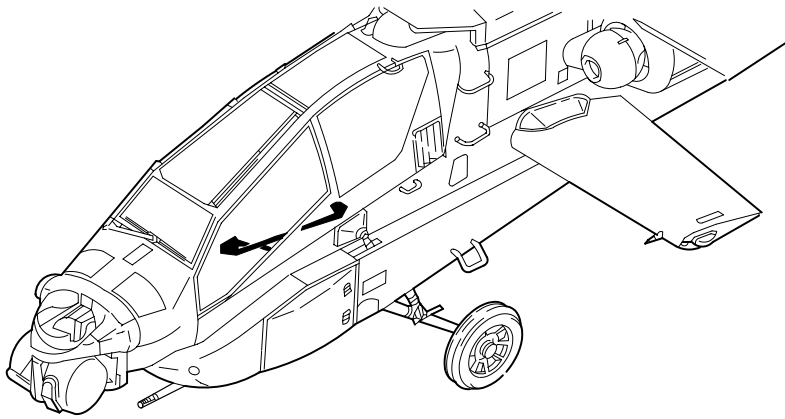
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 624 Linkage Installation, Control<br>(FS 115 to FS 176) (Collective) (Part 1)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 7          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 7          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 5          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 7          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 5          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-575   | • Push-Pull Rod Assy .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....  | 2          |
| 8                  | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....   | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve .....  | 2          |
| 10                 | PAOFF              | 02731       | 7-1 15117041-5     | • Bell Crank .....   | 2          |
| 11                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 12                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....  | 8          |
| 13                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 8          |
| 14                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....  | 4          |
| 15                 | PAOFF              | 02731       | 7-1 15117042-5     | • Bracket Assy, Bellcr .....   | 1          |
| 16                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....  | 1          |
| 17                 | PAOOO              | 02731       | 7-21 1524001-577   | • Push-Pull Rod Assy .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....  | 2          |
| 19                 | PAOZZ              | 96906       | MS27576-4-25       | • Bolt, Close Toleranc .....   | 1          |
| 20                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....  | 4          |
| 21                 | PAOZZ              | 76301       | 7M128-015-4E       | • Packing With Retain .....  | 4          |
| 22                 | PAOFF              | 02731       | 7-31 1517043       | • Bracket Assy, Bellcr .....   | 1          |
| 23                 | PAFZZ              | 02731       | HS606S4-18         | • • Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-970H

Figure 625. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 2)  
7-31 1517000

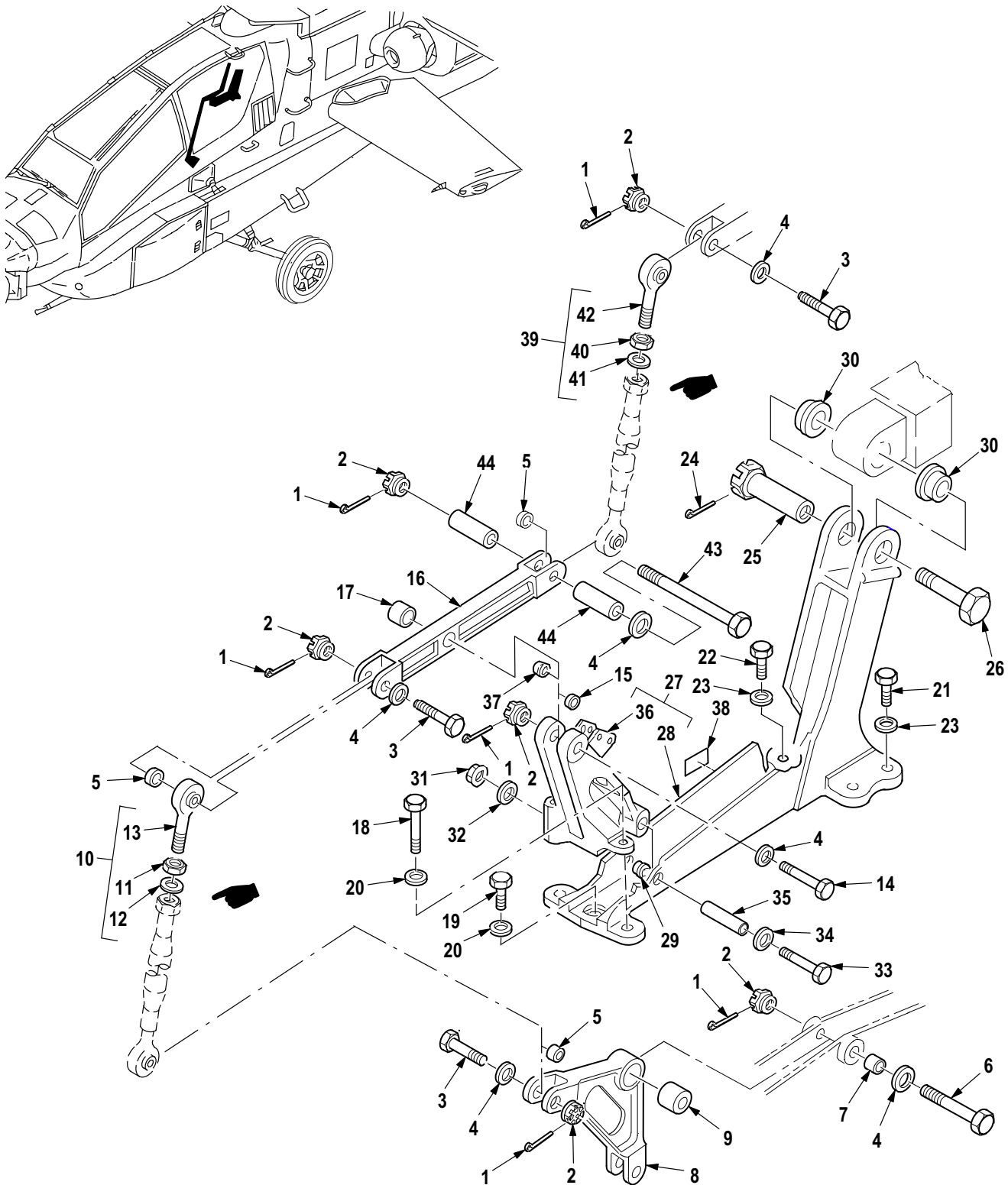
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 625 Linkage Installation, Control<br>(FS 115 to FS 176) (Collective) (Part 2)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 4          |
| 3                  | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc .....   | 3          |
| 4                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 2          |
| 5                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 3          |
| 6                  | PAOZZ              | 02731       | HS5542-04094       | • Bushing, Sleeve .....  | 1          |
| 7                  | PAOOO              | 02731       | 7-21 1524001-579   | • Push-Pull Rod Assy .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-42       | • Bolt, Close Toleranc .....   | 1          |
| 12                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve .....  | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-04122       | • Bushing, Sleeve .....  | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 1          |
| 16                 | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....  | 1          |
| 17                 | PAOFF              | 02731       | 7-1 15117044-9     | • Bell Crank .....   | 1          |
| 18                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS21250H04008      | • Bolt, Shear .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS21250-04010      | • Bolt, Shear .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS21206C4          | • Washer, Recessed .....   | 3          |
| 22                 | PAOZZ              | 80205       | NAS626H15          | • Bolt, Shear .....  | 4          |
| 23                 | PAOZZ              | 96906       | MS21206C6          | • Washer, Recessed .....   | 4          |
| 24                 | PAOZZ              | 96906       | MS24665-306        | • Pin, Cotter .....  | 1          |
| 25                 | PAOZZ              | 02731       | 7-21 1511215       | • Pin, Grooved, Headed .....   | 1          |
| 26                 | PAOZZ              | 02731       | 7-21 1511213       | • Bolt, Shear .....  | 1          |
| 27                 | PAOFF              | 02731       | 7-31 1511176-7     | • Control Assembly, Qu .....   | 1          |
| 28                 | PAFZZ              | 02731       | HS5602-8-5         | •• Pin-Rivet, Threaded .....   | 4          |
| 29                 | PAFZZ              | 02731       | HS5582-8           | •• Collar, Pin-Rivet, Th .....   | 4          |
| 30                 | XDFFF              | 02731       | 7-31 1511187       | •• Bracket, Crank Colle .....  | 1          |
| 31                 | PAFZZ              | 02731       | HS5515-1           | ••• Bushing, Sleeve<br>(Oversize Bushing for P/N HS606S4-11) .....   | 1          |
| 31                 | XDFZZ              | 02731       | HS606S4-11         | ••• Bushing, Sleeve .....  | 1          |
| 32                 | XDFFF              | 02731       | 7-31 1511186-19    | •• Bracket, Mounting .....   | 1          |
| 33                 | PAFZZ              | 02731       | HS5442-0001        | ••• Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511198-7) .....  | 2          |
| 33                 | PAFZZ              | 02731       | 7-21 1511198-7     | ••• Bushing, Sleeve .....  | 2          |
| 34                 | XDFZZ              | 02731       | HS4951-1           | ••• Plate, Identificatio .....   | 1          |
| 35                 | PAOOO              | 02731       | 7-21 1524001-519   | • Push-Pull Rod Assy .....   | 1          |
| 36                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 37                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 1          |
| 38                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
|                    |                    |             |                    | END OF FIGURE  |            |



M09-724D

Figure 626. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 1) 7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 626 Linkage Installation, Control<br>(FS 115 to FS 176) (Longitudinal) (Part 1)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 7          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 7          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 5          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 5          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-559   | • Push-Pull Rod Assy .....   | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....  | 6          |
| 11                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 6          |
| 12                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....  | 5          |
| 13                 | PAOFF              | 02731       | 7-31 1517069-5     | • SPAD Assembly, Contr (See Fig. 628 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 13                 | PAOFF              | 02731       | 7-31 1517069-7     | • SPAD Assembly, Contr (See Fig. 628 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....   | 1          |
| 14                 | PAOZZ              | 02731       | 7-21 1524001-561   | • Push-Pull Rod Assy .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-4-28       | • Bolt, Close Toleranc .....   | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....  | 1          |
| 17                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS27576-4-41       | • Bolt, Close Toleranc .....   | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-04062       | • Bushing, Sleeve .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....  | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-04078       | • Bushing, Sleeve .....  | 1          |
| 22                 | PAOFF              | 02731       | 7-21 1517056-5     | • Bell Crank .....   | 1          |
| 23                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....   | 1          |
| 24                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....  | 4          |
| 25                 | PAOFF              | 02731       | 7-31 1517055       | • Bracket Assy, Bellcr .....   | 1          |
| 26                 | PAFZZ              | 02731       | HS606S4-1 1        | •• Bushing, Sleeve .....   | 1          |
| 27                 | PAOOO              | 02731       | 7-21 1524001-563   | • Push-Pull Rod Assy .....   | 1          |
| 28                 | PAOZZ              | 88044       | AN21-14            | •• Bolt, Clevis .....  | 2          |
| 29                 | PAOZZ              | 80205       | NAS1149DN632K      | •• Washer, Flat .....  | 2          |
| 30                 | PAOZZ              | 88044       | AN320-1            | •• Nut, Plain, Slotted H .....   | 2          |
| 31                 | PAOZZ              | 02731       | 7-1 15116059-3     | •• Bearing, Plain, Rod E .....   | 2          |
| 32                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 2          |
| 33                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |

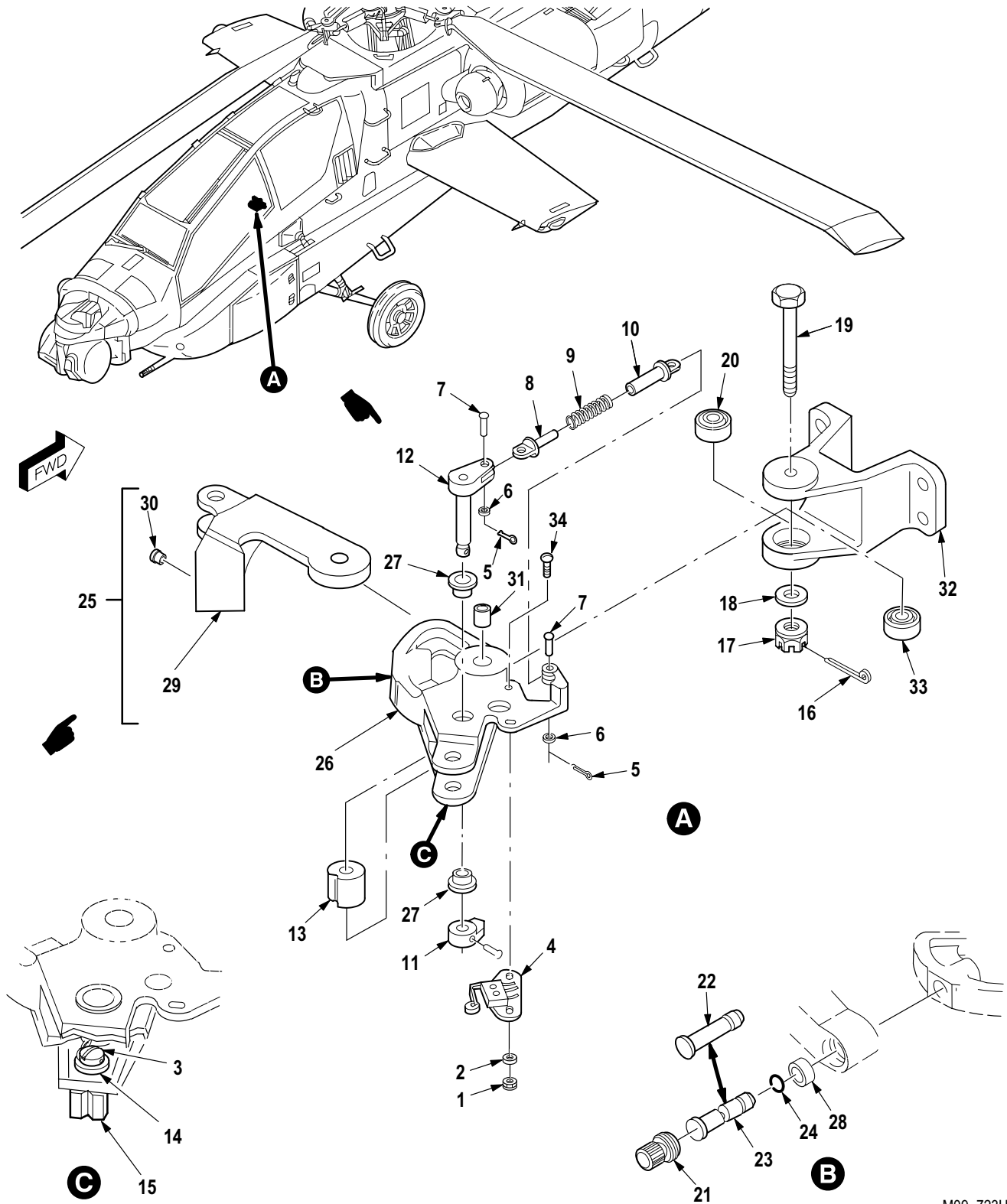


M09-971G

Figure 627. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 2)  
7-311517000



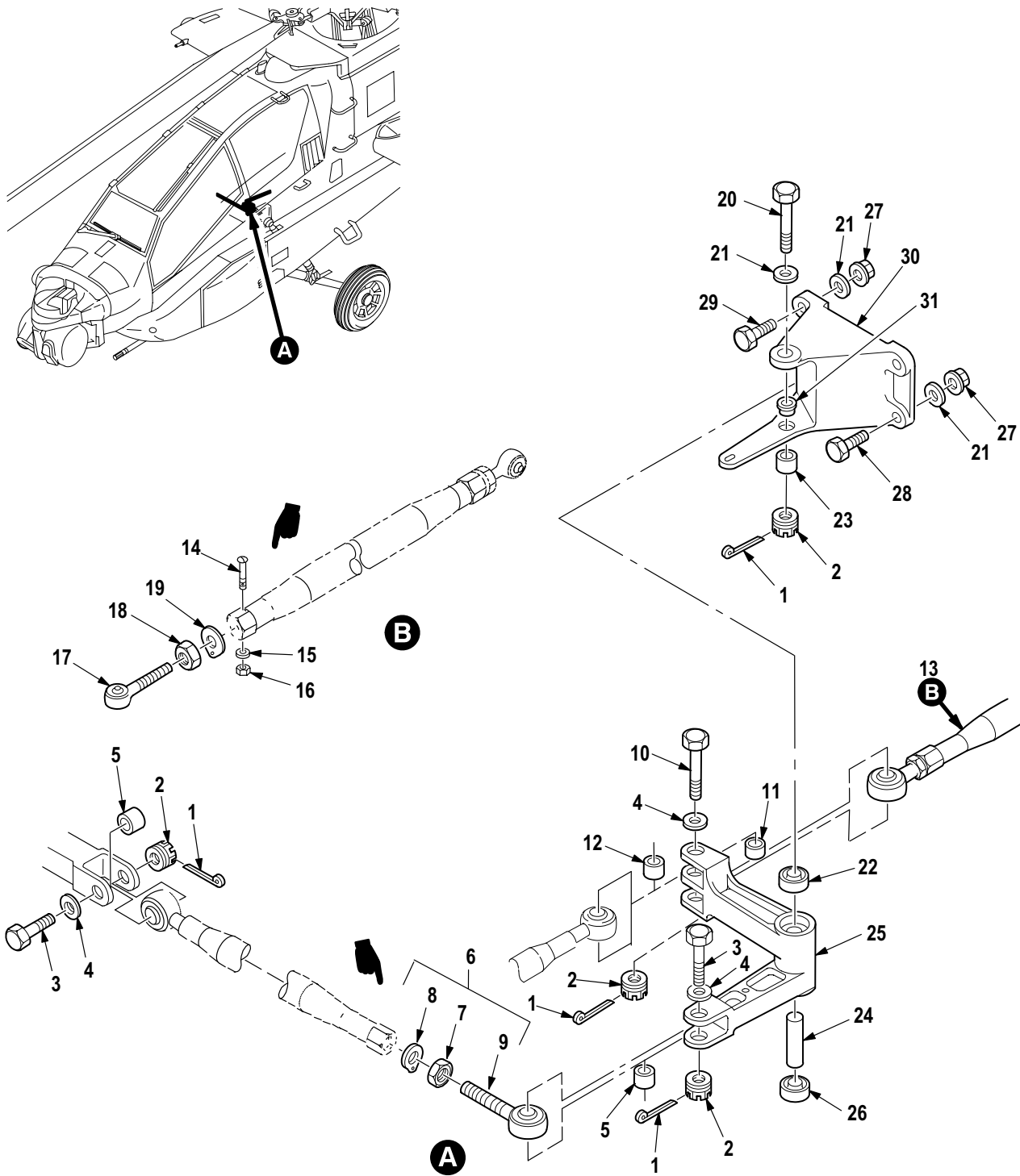
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 627 Linkage Installation, Control<br>(FS 115 to FS 176) (Longitudinal) (Part 2)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 6          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 6          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 3          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 3          |
| 6                  | PAOZZ              | 96906       | MS27576-4-29       | • Bolt, Close Toleranc .....   | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04072       | • Bushing, Sleeve .....  | 1          |
| 8                  | PAOFF              | 02731       | 7-1 15117005-5     | • Bell Crank .....   | 1          |
| 9                  | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 10                 | PAOOO              | 02731       | 7-21 1524001-565   | • Push-Pull Rod Assy .....   | 1          |
| 11                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....  | 1          |
| 13                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS27576-4-26       | • Bolt, Close Toleranc .....   | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04073       | • Bushing, Sleeve .....  | 1          |
| 16                 | PAOFF              | 02731       | 7-1 15117030-5     | • Bell Crank .....   | 1          |
| 17                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS21250-04024      | • Bolt, Shear .....  | 2          |
| 19                 | PAOZZ              | 96906       | MS21250H04008      | • Bolt, Shear .....  | 3          |
| 20                 | PAOZZ              | 96906       | MS21206C4          | • Washer, Recessed .....   | 6          |
| 21                 | PAOZZ              | 80205       | NAS626H15          | • Bolt, Shear .....  | 6          |
| 22                 | PAOZZ              | 80205       | NAS626H14          | • Bolt, Shear .....  | 6          |
| 23                 | PAOZZ              | 96906       | MS21206C6          | • Washer, Recessed .....   | 12         |
| 24                 | PAOZZ              | 96906       | MS24665-306        | • Pin, Cotter .....  | 3          |
| 25                 | PAOZZ              | 02731       | 7-21 1511215       | • Pin, Grooved, Headed .....   | 3          |
| 26                 | PAOZZ              | 02731       | 7-21 1511213       | • Bolt, Shear .....  | 3          |
| 27                 | PAOFF              | 02731       | 7-31 1511175-17    | • Bracket Assy, Actuat .....   | 1          |
| 28                 | XAFFF              | 02731       | 7-31 1511175-19    | • • Bracket, Structural .....  | 1          |
| 29                 | PAFZZ              | 02731       | HS5517-1           | • • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311517075) .....  | 1          |
| 29                 | PAFZZ              | 02731       | 7-31 1517075       | • • • Bushing, Sleeve .....  | 1          |
| 30                 | PAFZZ              | 02731       | 7-21 1511198-7     | • • • Bushing, Sleeve .....  | 2          |
| 31                 | PAFZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex .....  | 1          |
| 32                 | PAFZZ              | 02731       | HS306-225H         | • • Washer, Flat .....   | 1          |
| 33                 | PAFZZ              | 80205       | NAS1304-27         | • • Bolt, Shear .....  | 1          |
| 34                 | PAFZZ              | 80205       | NAS1587-4C         | • • Washer, Recessed .....   | 1          |
| 35                 | PAFZZ              | 02731       | HS5542-04032       | • • Bushing, Sleeve .....  | 1          |
| 36                 | XAFFF              | 02731       | 7-31 1517074       | • • Bracket Assy .....   | 1          |
| 37                 | PAFZZ              | 02731       | HS606S4-18         | • • • Bushing, Sleeve .....  | 1          |
| 38                 | XDOZZ              | 02731       | HS4726-2           | • • Plate, Ident .....   | 1          |
| 39                 | PAOOO              | 02731       | 7-21 1524001-521   | • Push-Pull Rod Assy .....   | 1          |
| 40                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....  | 1          |
| 41                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....  | 1          |
| 42                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....  | 1          |
| 43                 | PAOZZ              | 96906       | MS27576-4-64       | • Bolt, Close Toleranc .....   | 1          |
| 44                 | PAOZZ              | 02731       | 7-31 1517076       | • Weight, Balance .....  | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-723H

Figure 628. Group 11 SPAD Assembly, Control, Pilot (Longitudinal)  
 7-31 1517069-5 (Usbl Eff 82-23355 thru 88-0199)  
 7-31 1517069-7 (Usbl Eff 88-0200 and Subs)

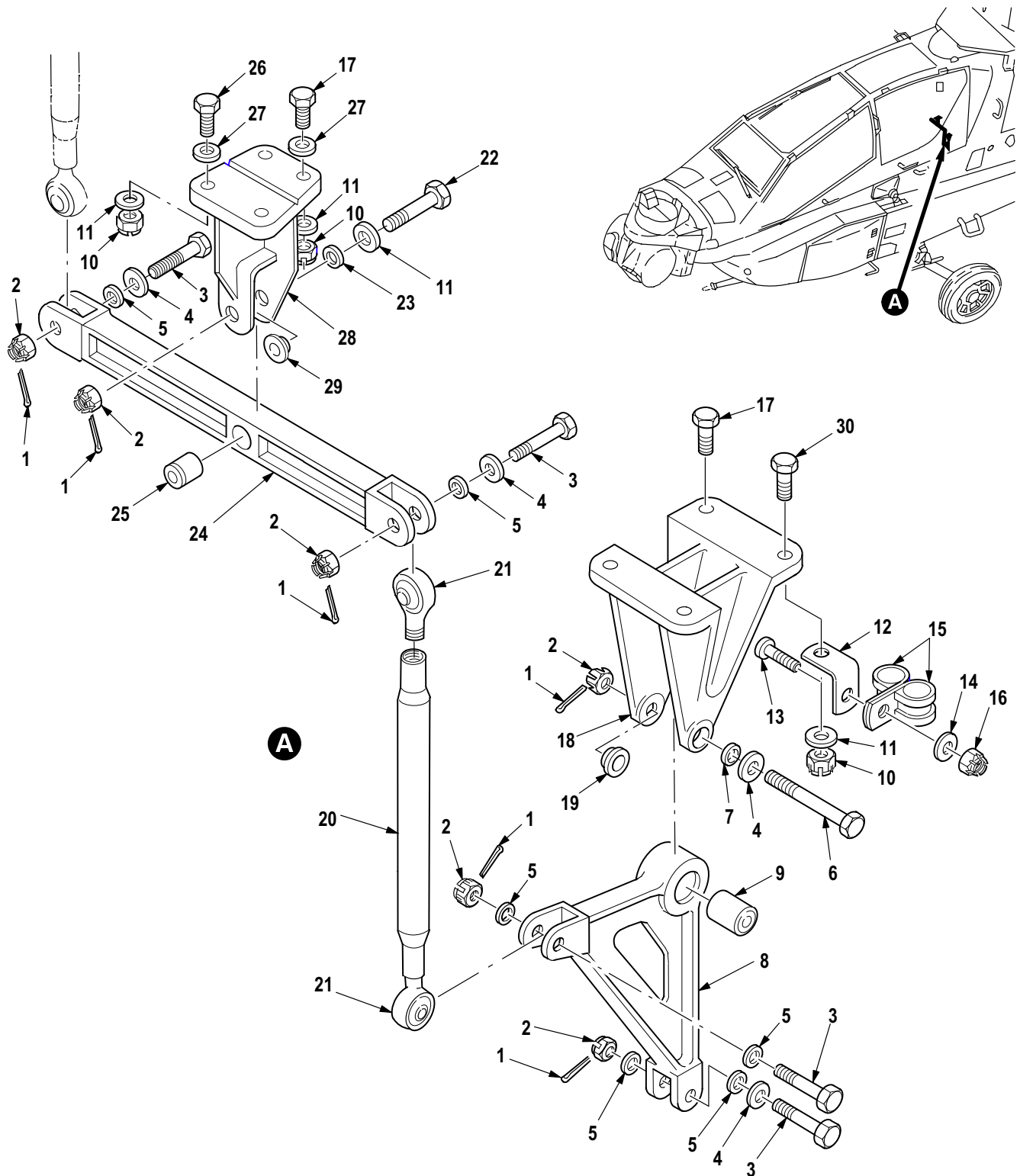
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 628 SPAD Assembly, Control, Pilot (Longitudinal)<br>7-31 1517069-5 (Usbl Eff 82-23355 thru 88-0199)<br>7-31 1517069-7 (Usbl Eff 88-0200 and Subs)<br>See Fig. 626 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .  | 2          |
| 2                  | PAFZZ              | 88044       | AN960KD6L          | • Washer, Flat . . . . .   | 2          |
| 3                  | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine . . . . .   | 2          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-13    | • Switch Assy, SPAD(Usbl Eff 82-23355 thru 88-0199) . . . .  | 1          |
| 4                  | PAFZZ              | 02731       | 7-31 1514104-17    | • Switch, Push (Usbl Eff 88-0200 and Subs) . . . . .   | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter . . . . .  | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat . . . . .   | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed . . . . .  | 2          |
| 8                  | PAFZZ              | 02731       | 7-31 1514087       | • Guide, Spring, Intern . . . . .  | 1          |
| 9                  | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp . . . . .  | 1          |
| 10                 | PAFZZ              | 02731       | 7-31 1514086       | • Guide, Spring, Extern . . . . .  | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1514085       | • Shaft, Straight . . . . .  | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1514084-7     | • Shaft, Actuator, Swit . . . . .  | 1          |
| 13                 | PAFZZ              | 02731       | 7-31 1514102       | • Cam, Control . . . . .   | 1          |
| 14                 | PAFZZ              | 88044       | AN960KD8L          | • Washer, Flat (Usbl Eff 82-23355 thru 88-0199) . . . . .  | 2          |
| 14                 | PAFZZ              | 80205       | NAS620-6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .   | 2          |
| 15                 | XDFZZ              | 02731       | 7-31 1514103-3     | • Detent . . . . .   | 1          |
| 16                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .  | 1          |
| 17                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .  | 1          |
| 18                 | PAFZZ              | 88044       | AN960-416          | • Washer, Flat . . . . .   | 1          |
| 19                 | PAFZZ              | 96906       | MS27576-4-32       | • Bolt, Close Toleranc . . . . .   | 1          |
| 20                 | PAFZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra . . . . .  | 1          |
| 21                 | PAOZZ              | 02731       | 7-21 1514083       | • Retainer, Shear Pin . . . . .  | 1          |
| 22                 | PAFZZ              | 02731       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .   | 1          |
| 23                 | PAOZZ              | 02731       | 7-21 1514082       | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) . . . .   | 1          |
| 24                 | PAOZZ              | 96906       | MS28775-009        | • O-Ring . . . . .   | 1          |
| 25                 | PAFFF              | 02731       | 7-31 1517063-3     | • SPAD Assembly, Contr . . . . .   | 1          |
| 26                 | XAFFF              | 02731       | 7-31 1517064-5     | • • Lever . . . . .  | 1          |
| 27                 | PAFZZ              | 02731       | 7-31 1514101       | • • • Bearing, Sleeve . . . . .  | 2          |
| 28                 | PAFZZ              | 02731       | 7-31 1514096       | • • • Bushing, Sleeve . . . . .  | 1          |
| 29                 | XAFFF              | 02731       | 7-31 1517065-5     | • • Lever . . . . .  | 1          |
| 30                 | PAFZZ              | 02731       | 7-21 1514095-3     | • • • Bearing, Sleeve . . . . .  | 1          |
| 31                 | XAFZZ              | 02731       | 7-21 1517066       | • • Bushing . . . . .  | 1          |
| 32                 | PAFFF              | 02731       | 7-31 1517062       | • Bracket Assembly, Pi . . . . .   | 1          |
| 33                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra . . . . .  | 1          |
| 34                 | PAFZZ              | 80205       | NAS1190E06P6L      | • Screw, Cap, Socket He (Usbl Eff 88-0200 and Subs) . . . .  | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-727C

Figure 629. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 1)  
7-31 1517000

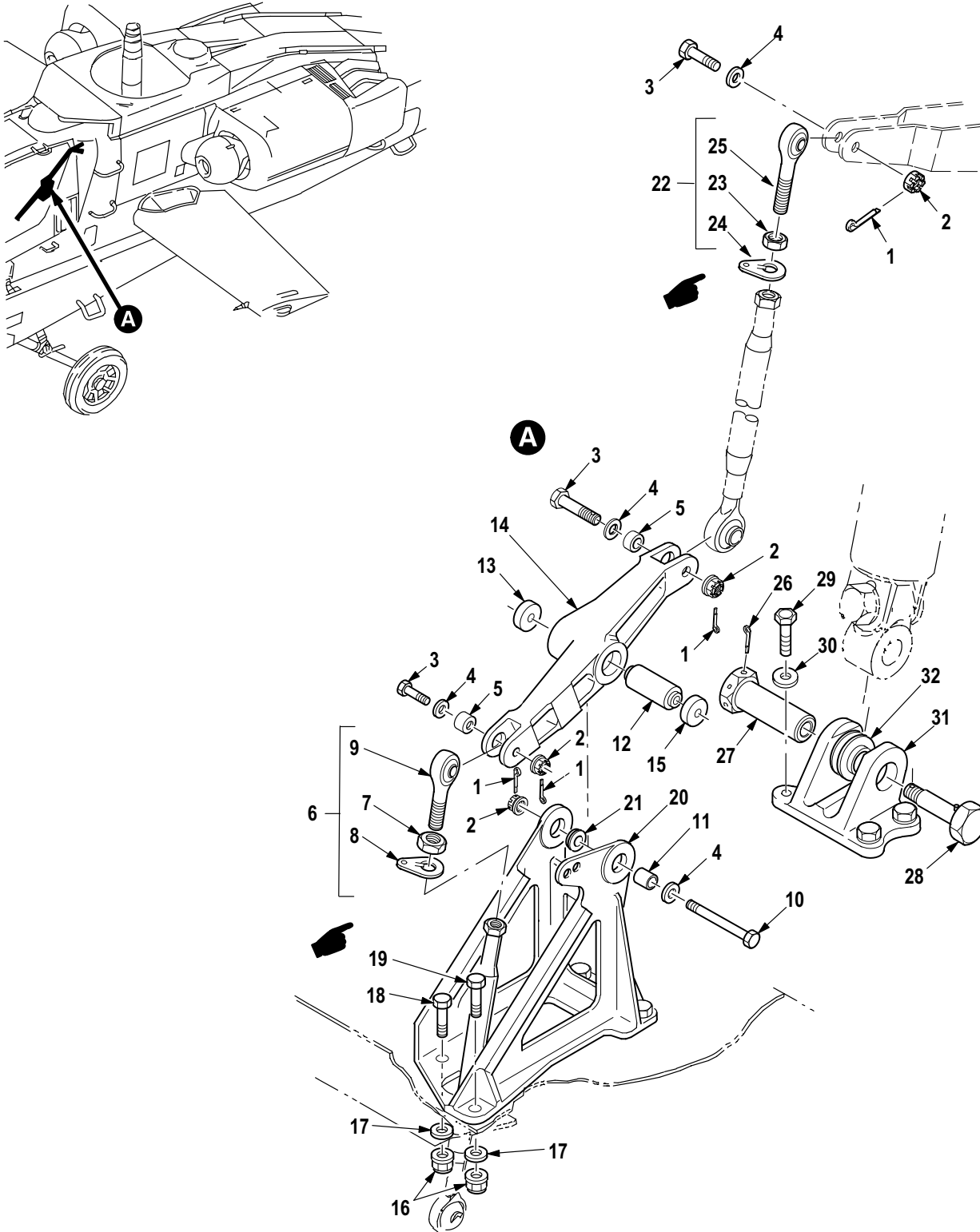
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 629 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 1)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 4          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 3          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-549   | • Push-Pull Rod Assy .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-4-28       | • Bolt, Close Toleranc .....  | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....   | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....   | 1          |
| 13                 | PAOOO              | 02731       | 7-21 1524001-551   | • Push-Pull Rod Assy .....  | 1          |
| 14                 | PAOZZ              | 88044       | AN21-14            | •• Bolt, Clevis .....   | 2          |
| 15                 | PAOZZ              | 80205       | NAS1149DN632K      | •• Washer, Flat .....   | 2          |
| 16                 | PAOZZ              | 88044       | AN320-1            | •• Nut, Plain, Slotted H .....  | 2          |
| 17                 | PAOZZ              | 02731       | 7-1 15116059-3     | •• Bearing, Plain, Rod E .....  | 2          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 2          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS27576-4-39       | • Bolt, Close Toleranc .....  | 1          |
| 21                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 5          |
| 22                 | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....   | 1          |
| 23                 | PAOZZ              | 02731       | HS5542-04053       | • Bushing, Sleeve .....   | 1          |
| 24                 | PAOZZ              | 02731       | HS5542-04078       | • Bushing, Sleeve .....   | 1          |
| 25                 | PAOFF              | 02731       | 7-21 1517054-5     | • Bell Crank .....  | 1          |
| 26                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 27                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 4          |
| 28                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....   | 2          |
| 29                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....   | 2          |
| 30                 | PAOFF              | 02731       | 7-31 1517053       | • Bracket Assy, Flight .....  | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-9          | •• Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-721F

Figure 630. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 2)  
7-31 1517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 630 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 2)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 6          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 6          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 3          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 4          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 6          |
| 6                  | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....  | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04063       | • Bushing, Sleeve .....   | 1          |
| 8                  | PAOFF              | 02731       | 7-31 1517002       | • Bell Crank .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 8          |
| 11                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 8          |
| 12                 | PAOZZ              | 96906       | MS9597-009         | • Bracket, Angle .....  | 1          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 1          |
| 14                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WCG6        | • Clamp, Loop .....   | 2          |
| 16                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....   | 3          |
| 18                 | PAOFF              | 02731       | 7-31 1517003       | • Bracket Assembly, La .....  | 1          |
| 19                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve .....   | 1          |
| 19                 | PAFZZ              | 02731       | HS5515-1           | • • Bushing, Sleeve<br>(Oversize Bushing for P/N HS606S4-11) .....  | 1          |
| 20                 | PAOOO              | 02731       | 7-21 1524001-553   | • Push-Pull Rod Assy .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....   | 2          |
| 22                 | PAOZZ              | 96906       | MS27576-4-17       | • Bolt, Close Toleranc .....  | 1          |
| 23                 | PAOZZ              | 02731       | HS5542-04052       | • Bushing, Sleeve .....   | 1          |
| 24                 | PAOFF              | 02731       | 7-1 15117037-5     | • Bell Crank .....  | 1          |
| 25                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....   | 1          |
| 26                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....   | 3          |
| 27                 | PAOZZ              | 76301       | 7M128-015-4E       | • Packing With Retain .....   | 4          |
| 28                 | PAOFF              | 02731       | 7-31 1517038       | • Bracket Assy, Bellcr .....  | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-7          | • • Bushing, Sleeve .....   | 1          |
| 30                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....   | 3          |
| END OF FIGURE      |                    |             |                    |   |            |

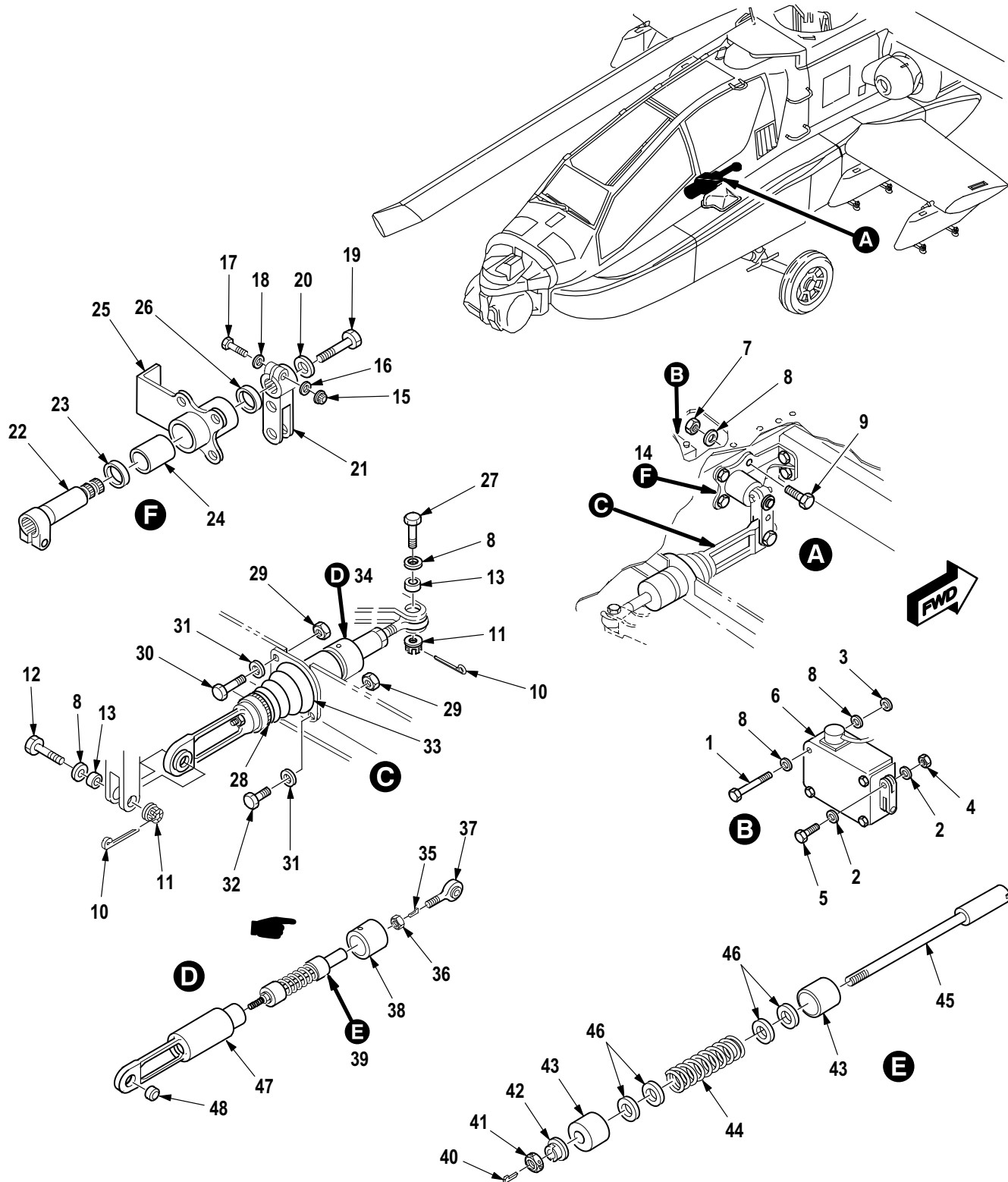


MM09-972D

Figure 631. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 3)  
7-31 1517000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 631 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 3)<br>7-31 1517000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 4          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 3          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 4          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....   | 2          |
| 6                  | PAOOO              | 02731       | 7-21 1524001-555   | • Push-Pull Rod Assy .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-4-40       | • Bolt, Close Toleranc .....  | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04056       | • Bushing, Sleeve .....   | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04079       | • Bushing, Sleeve .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....   | 1          |
| 14                 | PAOFF              | 02731       | 7-31 1517039       | • Bell Crank .....  | 1          |
| 15                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 16                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 4          |
| 17                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 4          |
| 18                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....   | 1          |
| 19                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....   | 11         |
| 20                 | PAOFF              | 02731       | 7-31 1517040-5     | • Bracket Assy, Bellor .....  | 1          |
| 21                 | PAFZZ              | 02731       | HS606S4-7          | •• Bushing, Sleeve .....  | 1          |
| 22                 | PAOOO              | 02731       | 7-21 1524001-517   | • Push-Pull Rod Assy .....  | 1          |
| 23                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 24                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 1          |
| 25                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 26                 | PAOZZ              | 96906       | MS24665-306        | • Pin, Cotter .....   | 1          |
| 27                 | PAOZZ              | 02731       | 7-21 1511215       | • Pin, Grooved, Headed .....  | 1          |
| 28                 | PAOZZ              | 02731       | 7-21 1511213       | • Bolt, Shear .....   | 1          |
| 29                 | PAOZZ              | 80205       | NAS626H14          | • Bolt, Shear .....   | 4          |
| 30                 | PAOZZ              | 96906       | MS21206C6          | • Washer, Recessed .....  | 4          |
| 31                 | XBOFF              | 02731       | 7-31 1511139-9     | • Bracket Assy, Actuat .....  | 1          |
| 32                 | PAFZZ              | 02731       | HS5442-0001        | •• Bushing, Sleeve<br>(Oversize Bearing for P/N 7-211511198-7) .....  | 2          |
| 32                 | PAFZZ              | 02731       | 7-21 1511198-7     | •• Bushing, Sleeve .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



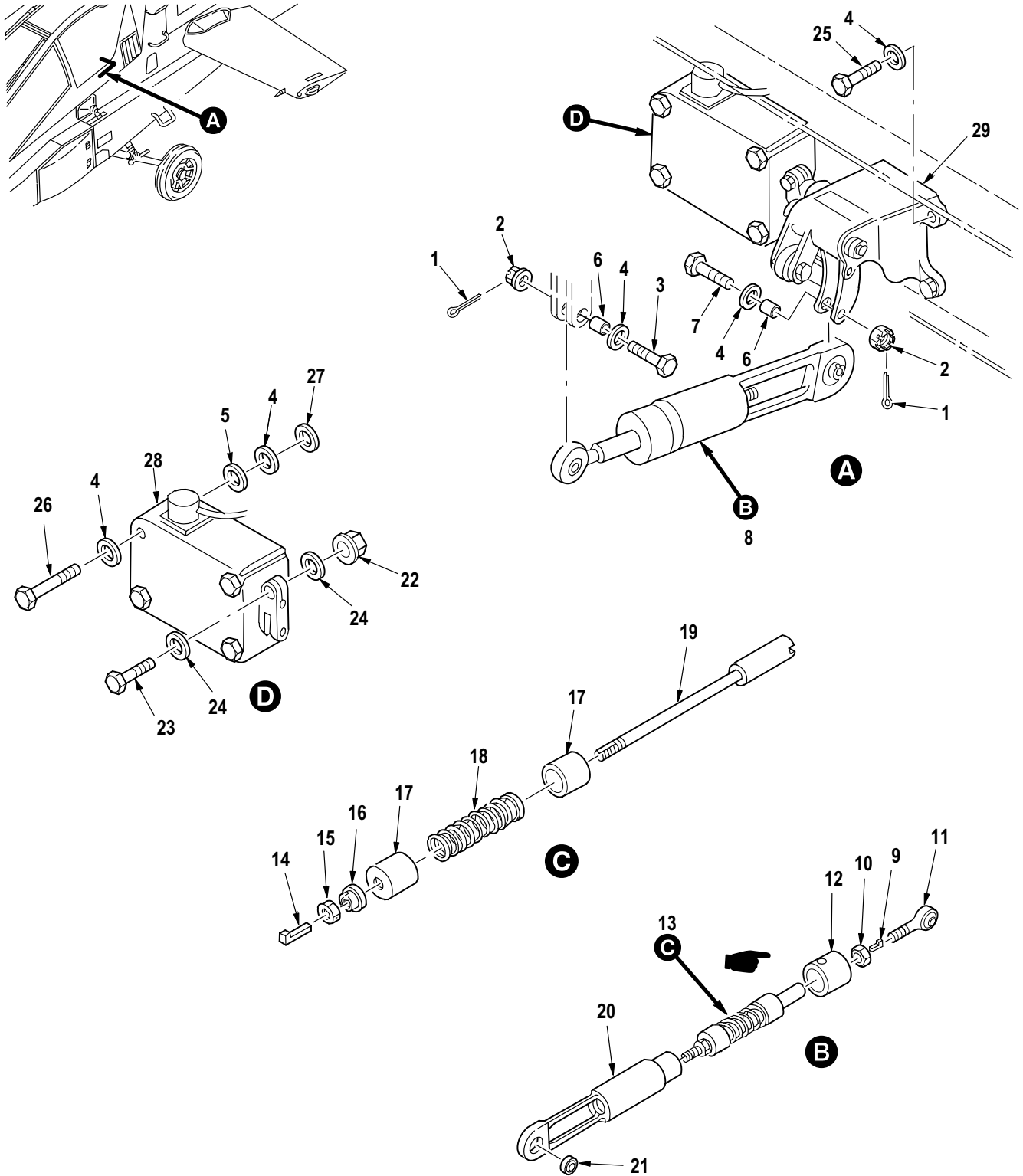
M09-981D

Figure 632. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Directional)  
7-31 1518000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 632 Feel Spring Cartridge and<br>Magnetic Brake Installation (Directional)<br>7-31 1518000 |            |
| 1                  | XDOZZ              | 80205       | NAS6603-31         | • Bolt, Shear .....   | 4          |
| 2                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....  | 10         |
| 3                  | PAOZZ              | 02731       | HS5079-2746        | • Shim .....  | V          |
| 4                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 1          |
| 5                  | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....   | 1          |
| 6                  | PAOFF              | 02731       | 7-31 1518001       | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....   | 3          |
| 7                  | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....   | 6          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....  | 8          |
| 9                  | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....   | 6          |
| 10                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 2          |
| 11                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 2          |
| 12                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....  | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....   | 6          |
| 14                 | PAOFF              | 02731       | 7-31 1518016-3     | • Bell Crank and Supp .....   | 1          |
| 15                 | PAFZZ              | 02731       | HS5763-3           | •• Nut, Self-Locking, Do .....  | 1          |
| 16                 | PAFZZ              | 96906       | MS21299-3          | •• Washer, Flat .....   | 1          |
| 17                 | PAFZZ              | 96906       | MS21250H03012      | •• Bolt, Shear .....  | 1          |
| 18                 | PAFZZ              | 96906       | MS21206C3          | •• Washer, Recessed .....   | 1          |
| 19                 | PAFZZ              | 80205       | NAS563-19          | •• Bolt, Machine .....  | 1          |
| 20                 | PAFZZ              | 02731       | HS306-124H         | •• Washer, Flat .....   | 1          |
| 21                 | PAFZZ              | 02731       | 7-31 1518005-3     | •• Bell Crank .....   | 1          |
| 22                 | PAFZZ              | 02731       | 7-31 1518004       | •• Shaft, Shouldered .....  | 1          |
| 23                 | PAFZZ              | 81343       | MS27646-38         | •• Bearing, Ball, Airfra .....  | 1          |
| 24                 | PAFZZ              | 80205       | NAS43DD10-78N      | •• Spacer, Sleeve .....   | 1          |
| 25                 | PAFFF              | 02731       | 7-31 1518003       | •• Support Assy .....   | 1          |
| 26                 | PAFZZ              | 81343       | MS27646-38         | ••• Bearing, Ball, Airfra .....   | 1          |
| 27                 | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 1          |
| 28                 | PAOZZ              | 66295       | WWD48-58H          | • Clamp, Hose .....   | 1          |
| 29                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 2          |
| 30                 | PAOZZ              | 80205       | NAS1096-3-1 1      | • Screw, Machine .....  | 1          |
| 31                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 2          |
| 32                 | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....  | 1          |
| 33                 | PAOZZ              | 02731       | 7-31 1518023       | • Boot, Aircraft Comp .....   | 1          |
| 34                 | PAOFF              | 02731       | 7-31 1518002-7     | • Spring, Helical, Comp .....   | 1          |
| 35                 | PAFZZ              | 80205       | NAS559-2           | •• Lock, Rod End .....  | 1          |
| 36                 | PAFZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 37                 | PAFZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 38                 | PAFZZ              | 02731       | 7-31 1518008       | •• Cap, Feel Spring Fli .....   | 1          |
| 39                 | PAFFF              | 02731       | 7-31 1518009-7     | •• Spring, Helical, Comp .....  | 1          |
| 40                 | PAFZZ              | 80205       | NAS559-1           | ••• Retainer, Rod End Lo .....  | 1          |
| 41                 | XDFZZ              | 80205       | NAS509-4           | ••• Nut, Plain, Hexagon .....   | 1          |
| 42                 | PAFZZ              | 02731       | 7-31 1518022       | ••• Stop, Spring .....  | 1          |
| 43                 | PAFZZ              | 02731       | 7-31 1518012-7     | ••• Cup, Spring, Flight C .....   | 2          |
| 44                 | PAFZZ              | 02731       | 7-31 1518013       | ••• Spring, Helical, Comp .....   | 1          |
| 45                 | XAFZZ              | 02731       | 7-31 1518011       | ••• Rod .....   | 1          |
| 46                 | PAFZZ              | 88044       | AN960KD816         | ••• Washer, Flat .....  | 4          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 47                 | PAFFF              | 02731       | 7-31 1518007       | .. Housing Assy, Flight .....               | 1          |
| 48                 | PAFZZ              | 96906       | MS27645-4          | ... Bearing, Ball, Airfra .....             | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

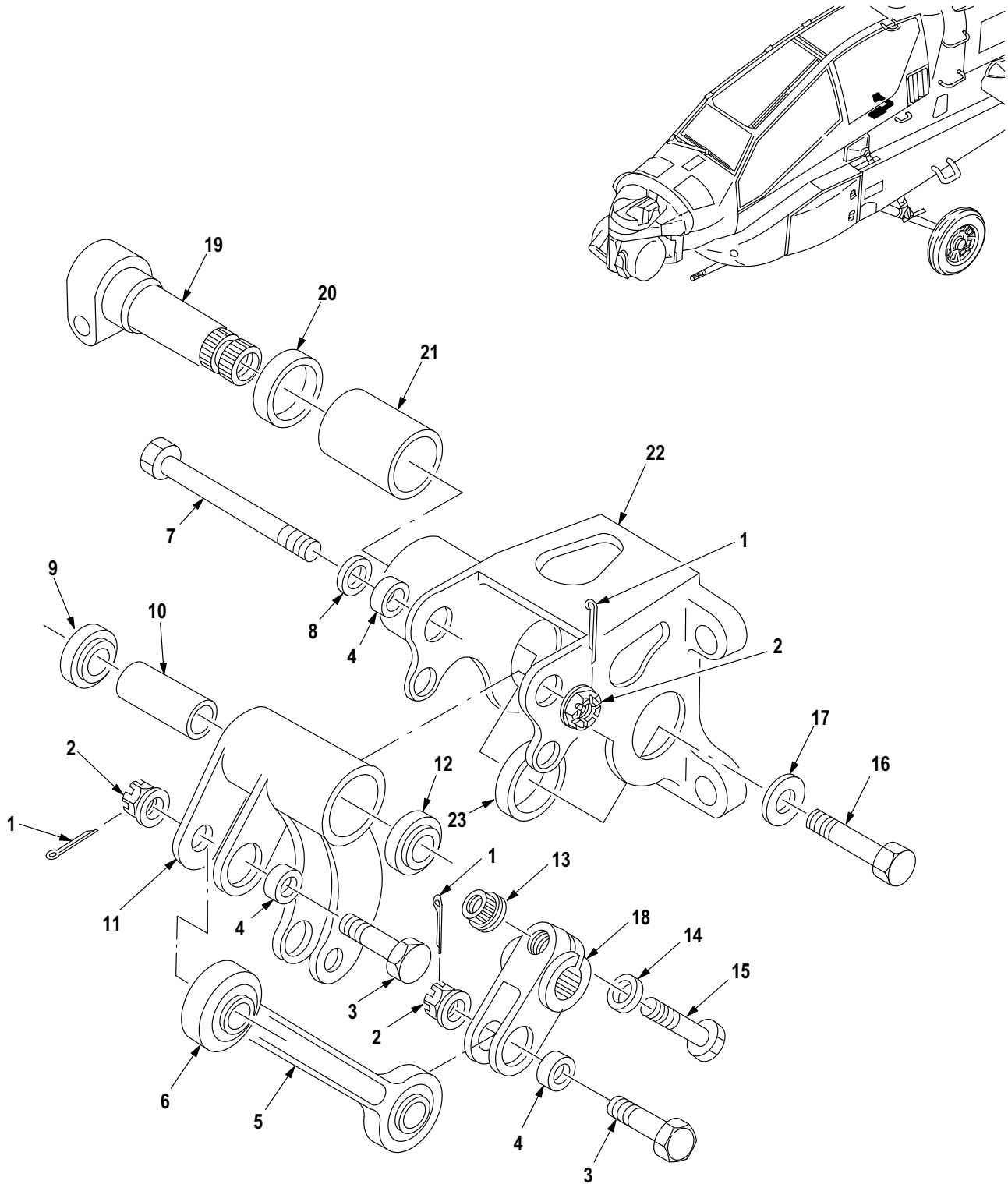




M09-982E

Figure 633. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Longitudinal)  
7-31 1518000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 633 Feel Spring Cartridge and<br>Magnetic Brake Installation (Longitudinal)<br>7-31 1518000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 2          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....   | 16         |
| 5                  | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....   | 4          |
| 6                  | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....  | 6          |
| 7                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....   | 1          |
| 8                  | PAOFF              | 02731       | 7-31 1518002-5     | • Spring, Helical, Comp .....  | 1          |
| 9                  | PAFZZ              | 80205       | NAS559-2           | •• Lock, Rod End .....   | 1          |
| 10                 | PAFZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
| 12                 | PAFZZ              | 02731       | 7-31 1518008       | •• Cap, Feel Spring Fli .....  | 1          |
| 13                 | PAFFF              | 02731       | 7-31 1518009-5     | •• Spring, Helical, Comp .....   | 1          |
| 14                 | PAFZZ              | 80205       | NAS559-1           | ••• Retainer, Rod End Lo .....   | 1          |
| 15                 | XDFZZ              | 80205       | NAS509-4           | ••• Nut, Plain, Hexagon .....  | 1          |
| 16                 | PAFZZ              | 02731       | 7-31 1518022       | ••• Stop, Spring .....   | 1          |
| 17                 | PAFZZ              | 02731       | 7-31 1518012-5     | ••• Cup, Spring, Flight C .....  | 2          |
| 18                 | PAFZZ              | 02731       | 7-31 1518033       | ••• Spring, Helical, Comp .....  | 1          |
| 19                 | XAFZZ              | 02731       | 7-31 1518011       | ••• Rod .....  | 1          |
| 20                 | PAFFF              | 02731       | 7-31 1518007       | •• Housing Assy, Flight .....  | 1          |
| 21                 | PAFZZ              | 96906       | MS27645-4          | ••• Bearing, Ball, Airfra .....  | 1          |
| 22                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 1          |
| 23                 | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....  | 1          |
| 24                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....   | 2          |
| 25                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....  | 4          |
| 26                 | PAOZZ              | 80205       | NAS1304-32         | • Bolt, Shear .....  | 2          |
| 27                 | PAOZZ              | 02731       | HS5079-2746        | • Shim .....   | V          |
| 28                 | PAOFF              | 02731       | 7-31 1518001       | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....  | 3          |
| 29                 | PAOFF              | 02731       | 7-31 1518018-3     | • Mechanism Assy Spri (See Fig. 634 for Breakdown) .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

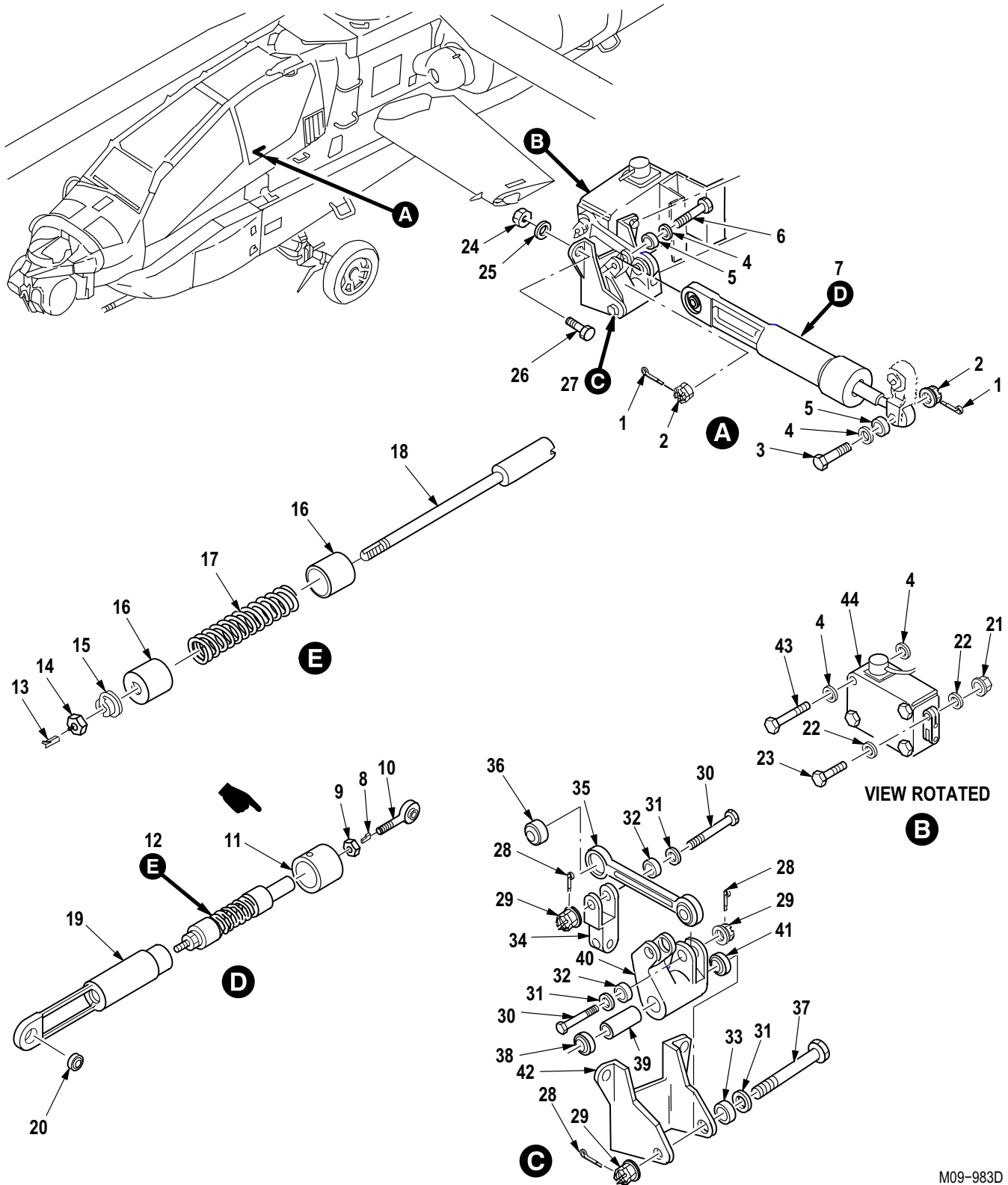


M09-1202

Figure 634. Group 11 Mechanism Assembly, Trim Feel Spring Cartridge (Longitudinal)  
7-31 1518018-3



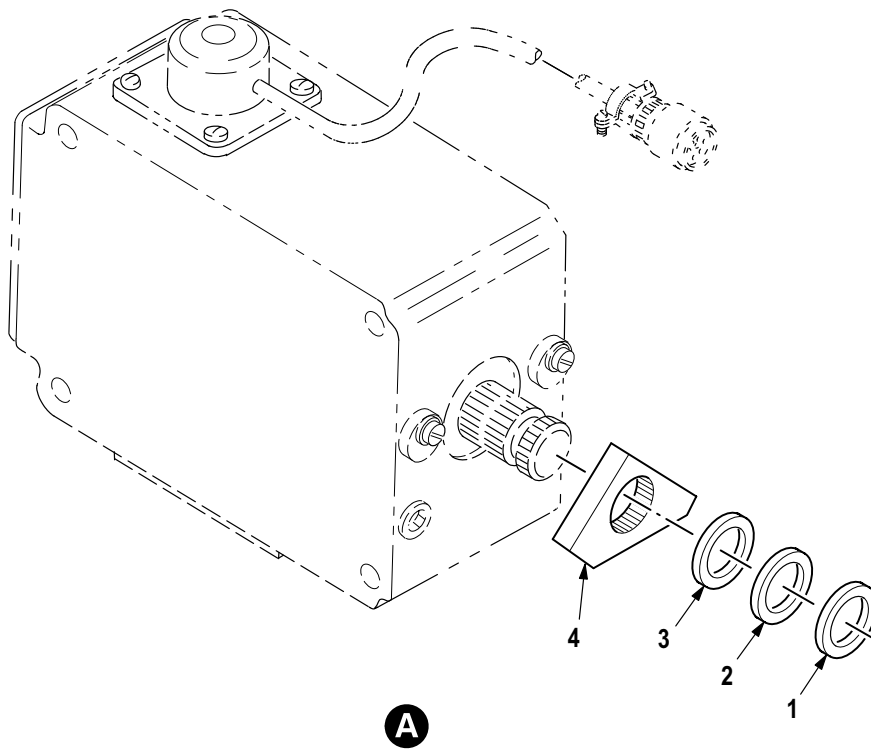
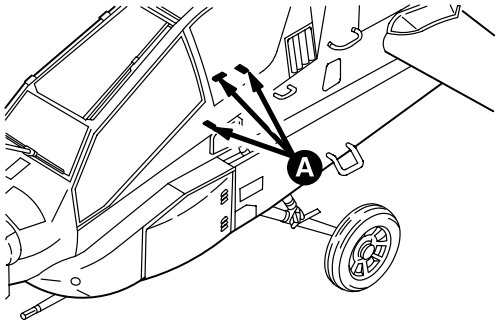
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 634 Mechanism Assembly,<br>Trim Feel Spring Cartridge (Longitudinal)<br>7-31 1518018-3<br>See Fig. 633 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 3          |
| 2                  | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-1 1      | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAFZZ              | 02731       | HS5542-04086       | • Bushing, Sleeve .....   | 3          |
| 5                  | PAFFF              | 02731       | 7-31 1518010       | • Connecting Link, Rig .....  | 1          |
| 6                  | PAFZZ              | 96906       | MS14104-4K         | • • Bearing, Plain, Self- .....   | 2          |
| 7                  | PAFZZ              | 96906       | MS27576-4-31       | • Bolt, Close Toleranc .....  | 1          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....   | 1          |
| 10                 | PAFZZ              | 80205       | NAS43DD4-68N       | • Spacer, Sleeve .....  | 1          |
| 11                 | PAFFF              | 02731       | 7-31 1518020-5     | • Bell Crank .....  | 1          |
| 12                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra .....   | 1          |
| 13                 | PAFZZ              | 02731       | HS5763-3           | • Nut, Self-Locking, Do .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS21206C3          | • Washer, Recessed .....  | 1          |
| 15                 | PAFZZ              | 96906       | MS21250H03010      | • Bolt, Shear .....   | 1          |
| 16                 | PAOZZ              | 80205       | NAS563-19          | • Bolt, Machine .....   | 1          |
| 17                 | PAOZZ              | 02731       | HS306-124H         | • Washer, Flat .....  | 1          |
| 18                 | PAOZZ              | 02731       | 7-31 1518019       | • Lever, Remote Contro .....  | 1          |
| 19                 | PAFZZ              | 02731       | 7-31 1518004       | • Shaft, Shouldered .....   | 1          |
| 20                 | PAFZZ              | 81343       | MS27646-38         | • Bearing, Ball, Airfra .....   | 1          |
| 21                 | PAFZZ              | 80205       | NAS43DD10-80N      | • Spacer, Sleeve .....  | 1          |
| 22                 | PAFFF              | 02731       | 7-31 1518021-5     | • Housing, Mechanical .....   | 1          |
| 23                 | PAFZZ              | 81343       | MS27646-38         | • • Bearing, Ball, Airfra .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-983D

Figure 635. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Lateral)  
7-31 1518000

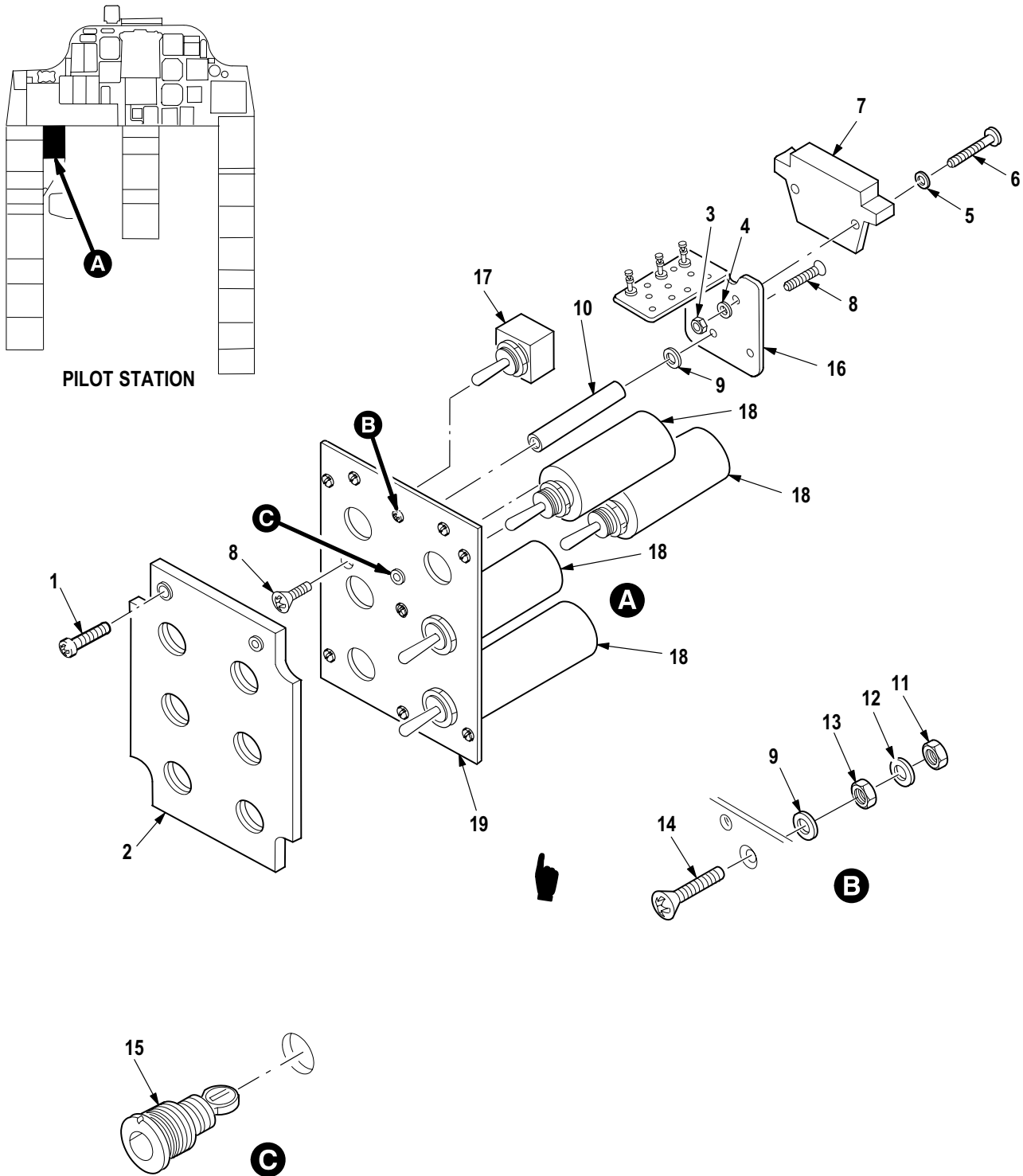
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 635 Feel Spring Cartridge and<br>Magnetic Brake Installation (Lateral)<br>7-31 1518000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 2          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 1          |
| 4                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....  | 8          |
| 5                  | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....   | 6          |
| 6                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....  | 1          |
| 7                  | PAOFF              | 02731       | 7-31 1518002-3     | • Spring, Helical, Comp .....   | 1          |
| 8                  | PAFZZ              | 80205       | NAS559-2           | •• Lock, Rod End .....  | 1          |
| 9                  | PAFZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 10                 | PAFZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1518008       | •• Cap, Feel Spring Fli .....   | 1          |
| 12                 | PAFFF              | 02731       | 7-31 1518009-3     | •• Spring, Helical, Comp .....  | 1          |
| 13                 | PAFZZ              | 80205       | NAS559-1           | ••• Retainer, Rod End Lo .....  | 1          |
| 14                 | XDFZZ              | 80205       | NAS509-4           | ••• Nut, Plain, Hexagon .....   | 1          |
| 15                 | PAFZZ              | 02731       | 7-31 1518022       | ••• Stop, Spring .....  | 1          |
| 16                 | PAFZZ              | 02731       | 7-31 1518012-3     | ••• Cup, Spring, Flight C .....   | 2          |
| 17                 | PAFZZ              | 02731       | 7-31 1518013       | ••• Spring, Helical, Comp .....   | 1          |
| 18                 | XAFZZ              | 02731       | 7-31 1518011       | ••• Rod .....   | 1          |
| 19                 | PAFFF              | 02731       | 7-31 1518007       | •• Housing Assy, Flight .....   | 1          |
| 20                 | PAFZZ              | 96906       | MS27645-4          | ••• Bearing, Ball, Airfra .....   | 1          |
| 21                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 1          |
| 22                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....  | 2          |
| 23                 | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....   | 1          |
| 24                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....   | 4          |
| 25                 | PAOZZ              | 88044       | AN960-D416         | • Washer, Flat .....  | 4          |
| 26                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....   | 4          |
| 27                 | PAOFF              | 02731       | 7-31 1518017       | • Mechanism Assy .....  | 1          |
| 28                 | PAOZZ              | 96906       | MS24665-153        | •• Pin, Cotter .....  | 3          |
| 29                 | PAOZZ              | 96906       | MS21224-4          | •• Nut, Self-Locking, As .....  | 3          |
| 30                 | PAOZZ              | 96906       | MS27576-4-1 1      | •• Bolt, Close Toleranc .....   | 2          |
| 31                 | PAOZZ              | 88044       | AN960-416L         | •• Washer, Flat .....   | 2          |
| 32                 | PAOZZ              | 02731       | HS5542-04086       | •• Bushing, Sleeve .....  | 2          |
| 33                 | PAOZZ              | 02731       | HS5542-04088       | •• Bushing, Sleeve .....  | 1          |
| 34                 | PAFZZ              | 02731       | 7-31 1518015       | •• Arm, Lateral Trim .....  | 1          |
| 35                 | PAFFF              | 02731       | 7-31 1518010       | •• Connecting Link, Rig .....   | 1          |
| 36                 | PAFZZ              | 96906       | MS14104-4K         | ••• Bearing, Plain, Self .....  | 2          |
| 37                 | PAOZA              | 96906       | MS27576-4-33       | •• Bolt, Close Toleranc .....   | 1          |
| 38                 | PAFZZ              | 96906       | MS27641-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 39                 | PAFZZ              | 80205       | NAS43DD4-68N       | •• Spacer, Sleeve .....   | 1          |
| 40                 | PAFFF              | 02731       | 7-31 1518006       | •• Bell Crank .....   | 1          |
| 41                 | PAFZZ              | 96906       | MS27641-4          | ••• Bearing, Ball, Airfra .....   | 1          |
| 42                 | PAOZZ              | 02731       | 7-31 1518014       | •• Bracket Assy .....   | 1          |
| 43                 | PAFZZ              | 80205       | NAS6604-29         | • Bolt, Shear .....   | 4          |
| 44                 | PAOFF              | 02731       | 7-31 1518001       | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....   | 3          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-732D

Figure 636. Group 11 Brake Assembly, Magnetic  
7-31 1518001

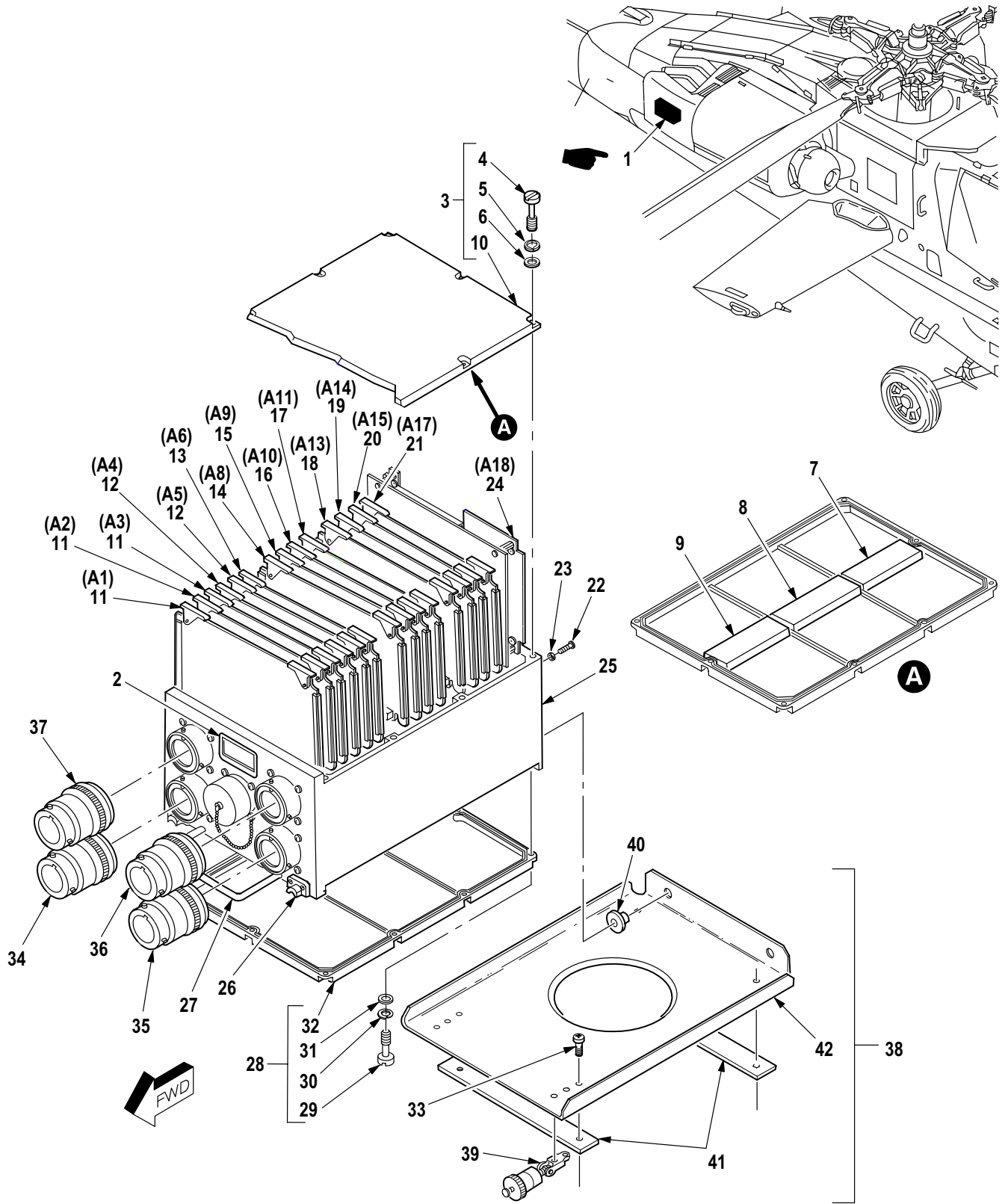
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 636 Brake Assembly, Magnetic<br>7-31 1518001<br>See Figs. 632 thru 635 for NHA |            |
| 1                  | PAFZZ              | 19200       | 10557426-3         | • Shim .....  | V          |
| 2                  | PAFZZ              | 24681       | MP504-1            | • Spacer, Ring .....  | 1          |
| 3                  | PAFZZ              | 24681       | MP504-2            | • Spacer, Ring .....  | 2          |
| 4                  | PAFZZ              | 24681       | MP481              | • Stop, Limit, Brake .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-508B

Figure 637. Group 11 Panel Assembly, Automatic Stabilization Equipment  
7-31 1D00015

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 637 Panel Assembly,<br>Automatic Stabilization Equipment<br>7-31 1D00015<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-8P          | • Screw, Machine .....  | 3          |
| 2                  | PAFZZ              | 02731       | 7-31 1D00013       | • Light, Indicator .....  | 1          |
| 3                  | PAFZZ              | 80205       | MS21042L04         | • Nut, Self-Locking, Ex .....   | 2          |
| 4                  | PAFZZ              | 96906       | MS35338-40         | • Washer, Lock .....  | 2          |
| 5                  | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat .....  | 2          |
| 6                  | PAFZZ              | 80205       | NAS600-1 1P        | • Screw, Machine .....  | 2          |
| 7                  | PAFZZ              | 02731       | 7-31 1B24611-003   | • Wiring Harness .....  | 1          |
| 8                  | PAFZZ              | 96906       | MS24693S25         | • Screw, Machine .....  | 6          |
| 9                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....  | 3          |
| 10                 | PAFZZ              | 80205       | NAS1786-06-52      | • Post, Electrical-Mec .....  | 3          |
| 11                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....   | 1          |
| 12                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....  | 3          |
| 13                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....   | 1          |
| 14                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....  | 1          |
| 15                 | PAFZA              | 96906       | MS90335-3          | • Connector, Receptacl .....  | 1          |
| 16                 | PAFFF              | 02731       | 7-31 1D00027       | • Circuit Card Assemb .....   | 1          |
| 17                 | PAFZZ              | 96906       | MS21353-341        | • Switch, Toggle .....  | 1          |
| 18                 | PAFZZ              | 81349       | M5594-1-3          | • Switch, Toggle .....  | 5          |
| 19                 | XAFZZ              | 02731       | 7-31 1D00014       | • Support, Panel .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-752D

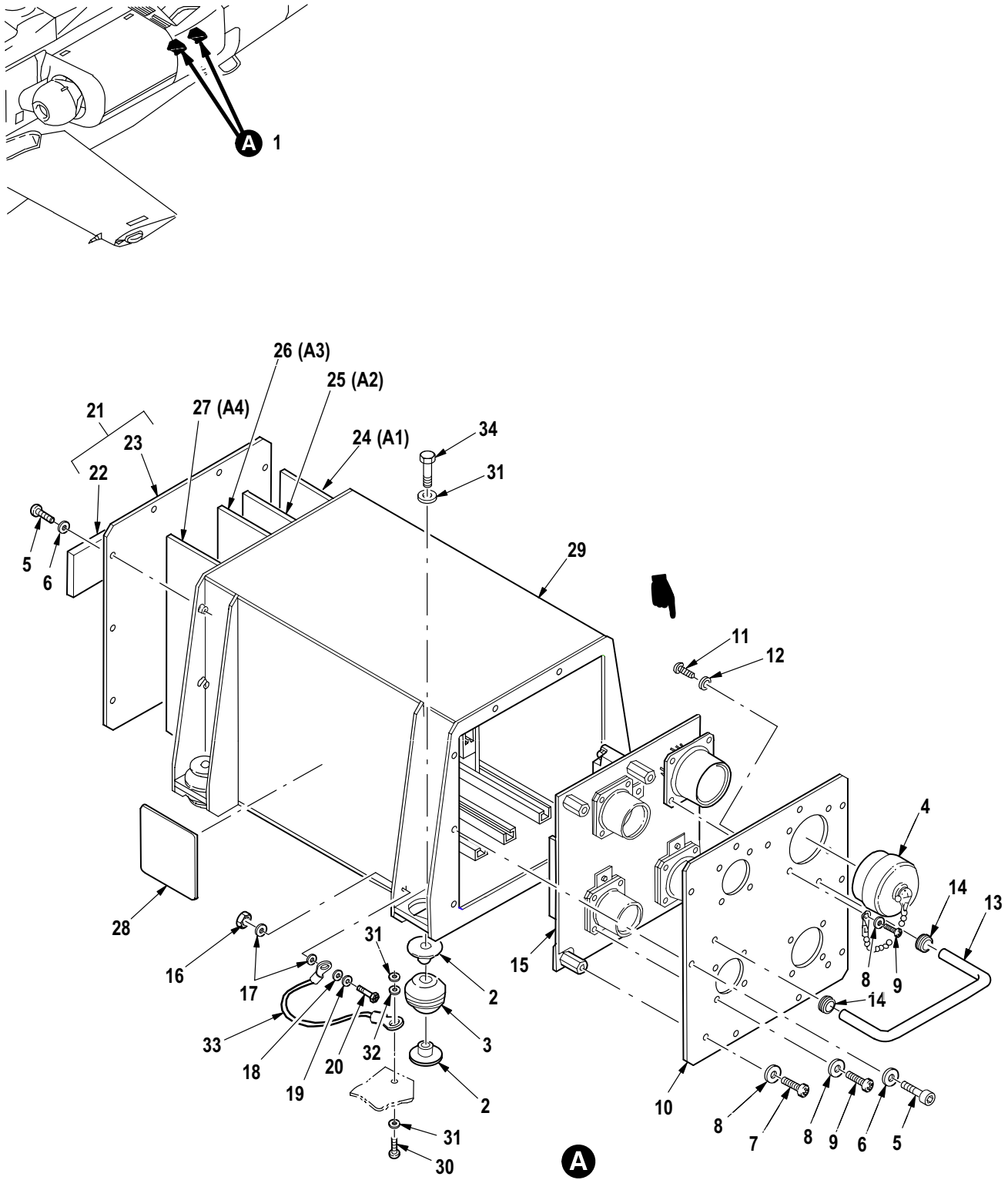
Figure 638. Group 11 Computer, Dase



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 638 Computer, Dase |            |
| 1                  | PAODD              | 02731       | 7-21 1D00005-23    | • Computer, Stabilizat .....                              | 1          |
| 2                  | XDFZZ              | 07187       | 4021482-14         | •• Plate, Ident .....                                     | 1          |
| 3                  | PAFFF              | 07187       | 4042511-954        | •• Cover Assembly .....                                   | 1          |
| 4                  | PAFZZ              | 07187       | 2500091-102        | ••• Screw, Externally Re .....                            | 10         |
| 5                  | PAFZZ              | 96906       | MS35338-136        | ••• Washer, Lock .....                                    | 10         |
| 6                  | PAFZZ              | 80205       | NAS620C6L          | ••• Washer, Flat .....                                    | 10         |
| 7                  | MFFZZ              | 07187       | 4044650-3          | ••• Seal, Rubber Special .....                            | 1          |
| 8                  | MFFZZ              | 07187       | 4044650-4          | ••• Seal, Rubber Special .....                            | 1          |
| 9                  | MFFZZ              | 07187       | 4044650-5          | ••• Seal, Rubber Special .....                            | 1          |
| 10                 | XDFZZ              | 07187       | 4044742            | ••• Cover .....   | 1          |
| 11                 | PAFZZ              | 07187       | 4041103-951        | •• Circuit Card Assemb .....                              | 3          |
| 12                 | PAFZZ              | 07187       | 4041101-951        | •• Circuit Card Assemb .....                              | 2          |
| 13                 | PAFZZ              | 07187       | 4041103-952        | •• Circuit Card Assemb .....                              | 1          |
| 14                 | PAFDD              | 07187       | 4041105-951        | •• Circuit Card Assemb .....                              | 1          |
| 15                 | PAFZZ              | 07187       | 4041104-951        | •• Circuit Card Assemb .....                              | 1          |
| 16                 | PAFZZ              | 07187       | 8000803-952        | •• Circuit Card Assemb .....                              | 1          |
| 17                 | PAFZZ              | 07187       | 4041102-951        | •• Circuit Card Assemb .....                              | 1          |
| 18                 | PAFZZ              | 07187       | 4032306-951        | •• Circuit Card Assemb .....                              | 1          |
| 19                 | PAFZZ              | 07187       | 4032304-951        | •• Circuit Card Assemb .....                              | 1          |
| 20                 | PAFZZ              | 07187       | 8501830-957        | •• Circuit Card Assemb .....                              | 1          |
| 21                 | PAFZZ              | 07187       | 4032312-951        | •• Circuit Card Assemb .....                              | 1          |
| 22                 | PAFZZ              | 96906       | MS51957-28         | •• Screw, Machine .....                                   | 5          |
| 23                 | PAFZZ              | 80205       | NAS1515H06         | •• Washer, Flat .....                                     | 5          |
| 24                 | PBFDD              | 07187       | 4032995-952        | •• Power Supply .....                                     | 1          |
| 25                 | XDFDD              | 07187       | 4041344-952        | •• Housing Assy, Automa .....                             | 1          |
| 26                 | PAFZZ              | 80205       | NAS622CE2          | ••• Hook, Support .....                                   | 2          |
| 27                 | PAFZZ              | 07187       | 4001662-2          | ••• Handle, Bow .....                                     | 1          |
| 28                 | XDFFF              | 07187       | 4042511-951        | ••• Cover Assembly .....                                  | 1          |
| 29                 | PAFZZ              | 07187       | 2500091-102        | •••• Screw, Externally Re .....                           | 10         |
| 30                 | PAFZZ              | 96906       | MS35338-136        | •••• Washer, Lock .....                                   | 10         |
| 31                 | PAFZZ              | 80205       | NAS620C6L          | •••• Washer, Flat .....                                   | 10         |
| 32                 | XAFZZ              | 07187       | 4044742            | •••• Cover .....  | 1          |
| 33                 | PAOZZ              | 80205       | NAS517-3-2         | Screw, Machine .....                                      | 4          |
| 34                 | PAOZZ              | 02731       | 7-31 1D00046-1     | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 35                 | PAOZZ              | 02731       | 7-31 1D00047-1     | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 36                 | PAOZZ              | 02731       | 7-31 1D00048-1     | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 37                 | PAOZZ              | 02731       | 7-31 1D00049-1     | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 38                 | PAOOO              | 02731       | 7-21 1F00020-1 1   | Bracket, Mounting .....                                   | 1          |
| 39                 | PAOZZ              | 02731       | HS4897-101         | •• Fastener, Positive L .....                             | 2          |
| 40                 | XDOZZ              | 02731       | HS606S4-5          | •• Bushing, Sleeve .....                                  | 2          |
| 41                 | XAOZZ              | 02731       | 7-21 1F00020-7     | •• Doubler, Tray Assy .....                               | 4          |
| 42                 | XAOZZ              | 02731       | 7-21 1F00020-3     | •• Tray .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 639 Actuator Assembly, Stabilator |            |
| 1                  | AOODD              | 02731       | 7-31 1D10022-9     | • Actuator Assembly .....  | 1          |
| 2                  | PAOZZ              | 02731       | 7-31 1D10023-3     | •• Clevis, Rod End .....   | 2          |
| 3                  | PAOZZ              | 80205       | NAS509-12          | •• Nut, Plain, Hexagon .....   | 2          |
| 4                  | PAOZZ              | 80205       | NAS513-12          | •• Washer, Key .....   | 2          |
| 5                  | PAOZZ              | 96906       | MS24665-153        | •• Pin, Cotter .....   | 4          |
| 6                  | PAOZZ              | 88044       | AN310C5            | •• Nut, Plain, Castellat .....   | 4          |
| 7                  | PAOZZ              | 80205       | NAS1305-48D        | •• Bolt, Shear .....   | 4          |
| 8                  | PAOZZ              | 88044       | AN960-516L         | •• Washer, Flat .....  | 4          |
| 9                  | PAOZZ              | 02731       | 7-31 1D10028-1     | •• Plate, Mounting .....   | 1          |
| 10                 | PAODD              | 02731       | 7-31 1D10018-3     | •• Actuator, Electro-Me .....  | 2          |
| 11                 | PAOZZ              | 96906       | MS24665-300        | •• Pin, Cotter .....   | 2          |
| 12                 | PAOZZ              | 88044       | AN310-6            | •• Nut, Plain, Castellat .....   | 2          |
| 13                 | PAOZZ              | 80205       | NAS6606D18         | •• Bolt, Shear .....   | 2          |
| 14                 | PAOZZ              | 96906       | MS20002C6          | •• Washer, Recessed .....  | 2          |
| 15                 | PAOZZ              | 02731       | HS5542-06002       | •• Bushing, Sleeve .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-973F

Figure 640. Group 11 Controller, Stabilator

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 640 Controller, Stabilator |            |
| 1                  | PAODD              | 02731       | 7-21 1D10001-1 1   | • Controller, Stabilat . . . . .                                  | 1          |
| 2                  | PAFZZ              | 73030       | 775449-1           | •• Insulator, Bushing . . . . .                                   | 8          |
| 3                  | PAFZZ              | 73030       | 776250-3           | •• Mount, Resilient . . . . .                                     | 4          |
| 4                  | PAFZZ              | 96906       | MS27502B21C        | •• Cover, Electrical Co . . . . .                                 | 1          |
| 5                  | PAFZZ              | 96906       | MS16995-10         | •• Screw, Cap, Socket He . . . . .                                | 20         |
| 6                  | PAFZZ              | 96906       | MS15795-803        | •• Washer, Flat . . . . .   | 20         |
| 7                  | PAFZZ              | 96906       | MS51957-13         | •• Screw, Machine . . . . .                                       | 4          |
| 8                  | PAFZZ              | 88044       | AN960C4            | •• Washer, Flat . . . . .   | 20         |
| 9                  | PAFZZ              | 96906       | MS51957-17         | •• Screw, Machine . . . . .                                       | 16         |
| 10                 | PAFZZ              | 73030       | 775447-2           | •• Plate, Retaining, Ele . . . . .                                | 1          |
| 11                 | PAFZZ              | 96906       | MS51957-30         | •• Screw, Machine . . . . .                                       | 2          |
| 12                 | XDFZZ              | 04643       | THWA0612           | •• Washer, Flat . . . . .   | 2          |
| 13                 | PAFZZ              | 73030       | 580114-8           | •• Handle . . . . .   | 1          |
| 14                 | PAFZZ              | 73030       | 768280-1           | •• Ferrule, Handle . . . . .                                      | 2          |
| 15                 | PAFZZ              | 73030       | 775440-2           | •• Circuit Card Assemb . . . . .                                  | 1          |
| 16                 | PAFZZ              | 96906       | MS21083C3          | •• Nut, Self-Locking, He . . . . .                                | 1          |
| 17                 | PAFZZ              | 88044       | AN960JD10          | •• Washer, Flat . . . . .   | 2          |
| 18                 | PAFZZ              | 88044       | AN960C10           | •• Washer, Flat . . . . .   | 1          |
| 19                 | PAFZZ              | 96906       | MS35338-138        | •• Washer, Lock . . . . .   | 1          |
| 20                 | PAFZZ              | 88044       | AN3DD4A            | •• Bolt, Machine . . . . .  | 1          |
| 21                 | PAFFF              | 73030       | 775446-2           | •• Cover, Control . . . . .                                       | 1          |
| 22                 | PAFZZ              | 73030       | 545442-1 11        | ••• Bumper, Rubber . . . . .                                      | 2          |
| 23                 | XAFZZ              | 73030       | 775446-1 1         | ••• Cover . . . . .   | 1          |
| 24                 | PAFDD              | 73030       | 775432-2           | •• Circuit Card Assemb . . . . .                                  | 1          |
| 25                 | PAFDD              | 73030       | 775434-2           | •• Circuit Card Assemb . . . . .                                  | 1          |
| 26                 | PAFDD              | 73030       | 775436-2           | •• Circuit Card Assemb . . . . .                                  | 1          |
| 27                 | PAFDD              | 73030       | 775438-2           | •• Circuit Card Assemb . . . . .                                  | 1          |
| 28                 | XDFZZ              | 73030       | 69253B3            | •• Plate, Ident . . . . .   | 1          |
| 29                 | PAFFF              | 73030       | 775445-2           | •• Chassis, Electrical (See Fig. 641 for Breakdown) . . . . .     | 1          |
| 30                 | PAOZZ              | 80205       | NAS1096-3-8        | •• Screw, Machine . . . . .                                       | 2          |
| 31                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat . . . . .   | 12         |
| 32                 | PAOZZ              | 96906       | MS35340-43         | •• Washer, Lock . . . . .   | 2          |
| 33                 | PAFZZ              | 81349       | M83413/8-A08BB     | •• Lead, Electrical . . . . .                                     | 1          |
| 34                 | PAOZZ              | 80205       | NAS1303-1 1H       | •• Bolt, Shear . . . . .  | 8          |
| END OF FIGURE      |                    |             |                    |   |            |

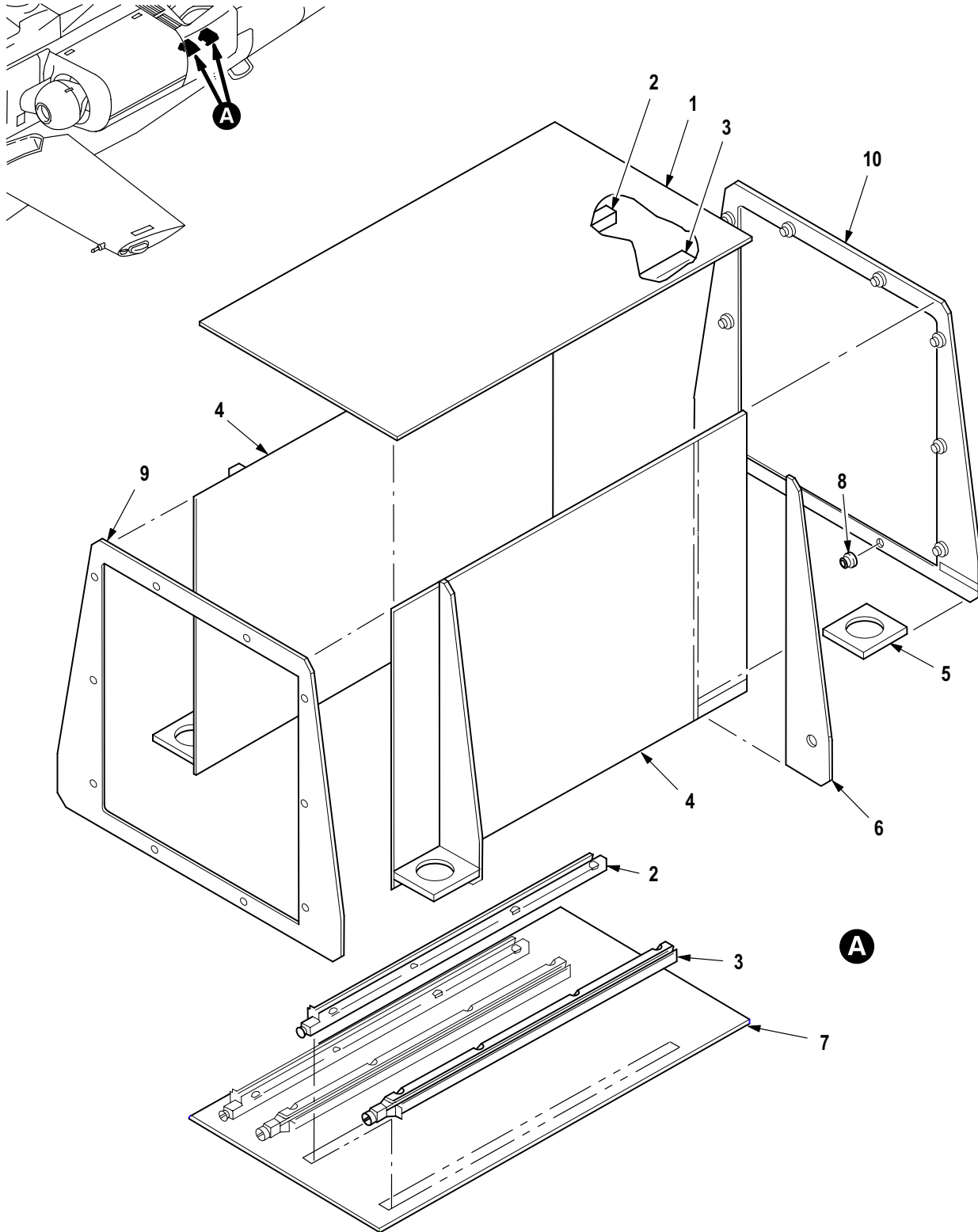
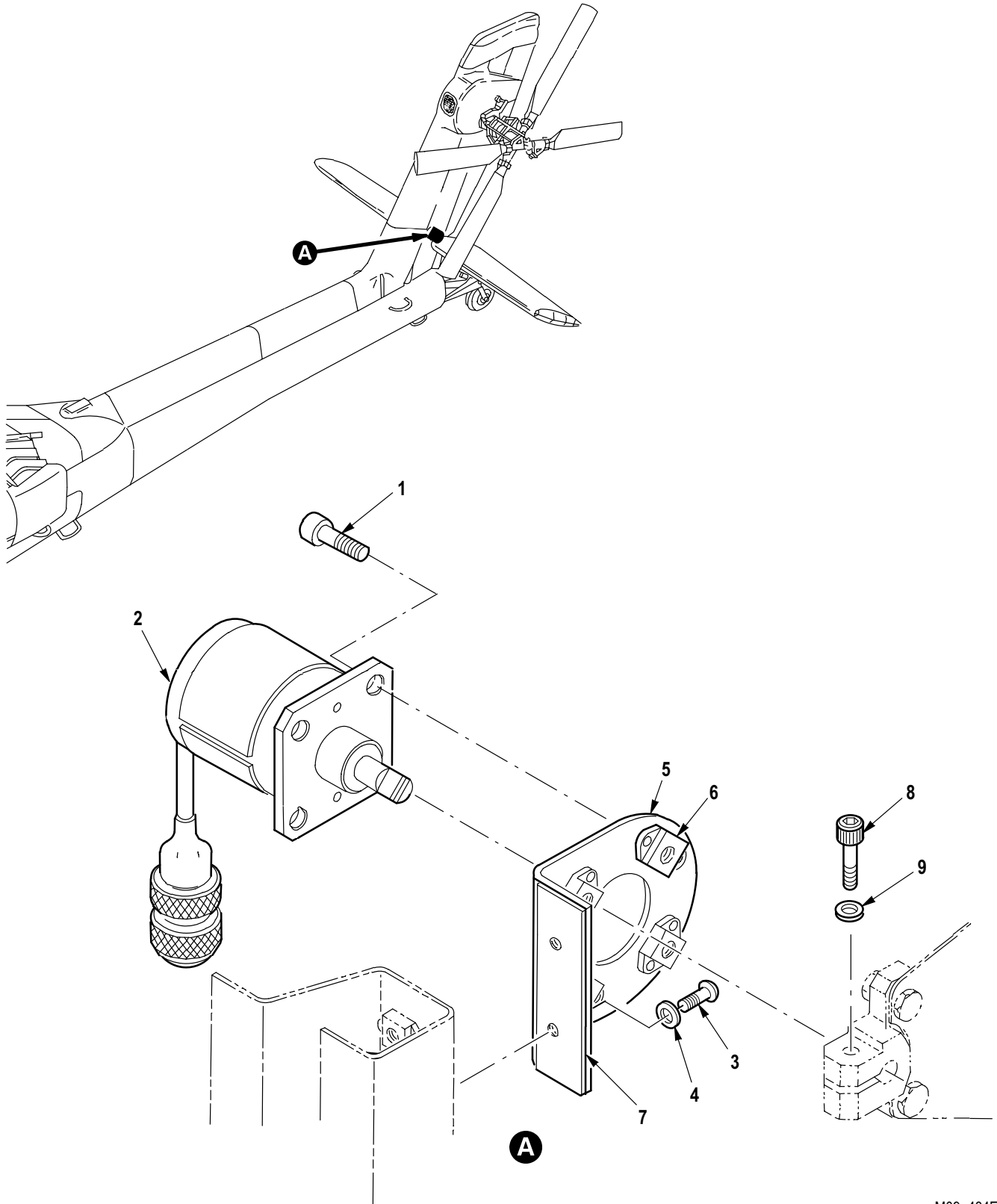


Figure 641. Group 11 Chassis, Electrical  
775445-2 (73030)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 641 Chassis, Electrical<br>775445-2 (73030)<br>See Fig. 640 for NHA |            |
| 1                  | XAFZZ              | 73030       | 775445-2-10        | • Plate, Top .....   | 1          |
| 2                  | PAFZZ              | 73030       | 774440-15          | • Holder, Electrical C .....   | 4          |
| 3                  | PAFZZ              | 73030       | 774440-16          | • Holder, Electrical C .....   | 4          |
| 4                  | XAFZZ              | 73030       | 775445-2-30        | • Panel, Side .....  | 2          |
| 5                  | XAFZZ              | 73030       | 775445-2-60        | • Pad .....  | 4          |
| 6                  | XAFZZ              | 73030       | 775445-2-70        | • Gusset .....   | 4          |
| 7                  | XAFZZ              | 73030       | 775445-2-20        | • Plate, Bottom .....  | 1          |
| 8                  | XAFZZ              | 73030       | 729328-5           | • Nut, Self Clinching .....  | 20         |
| 9                  | XAFZZ              | 73030       | 775445-2-40        | • Flange .....   | 1          |
| 10                 | XAFZZ              | 73030       | 775445-2-50        | • Flange .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

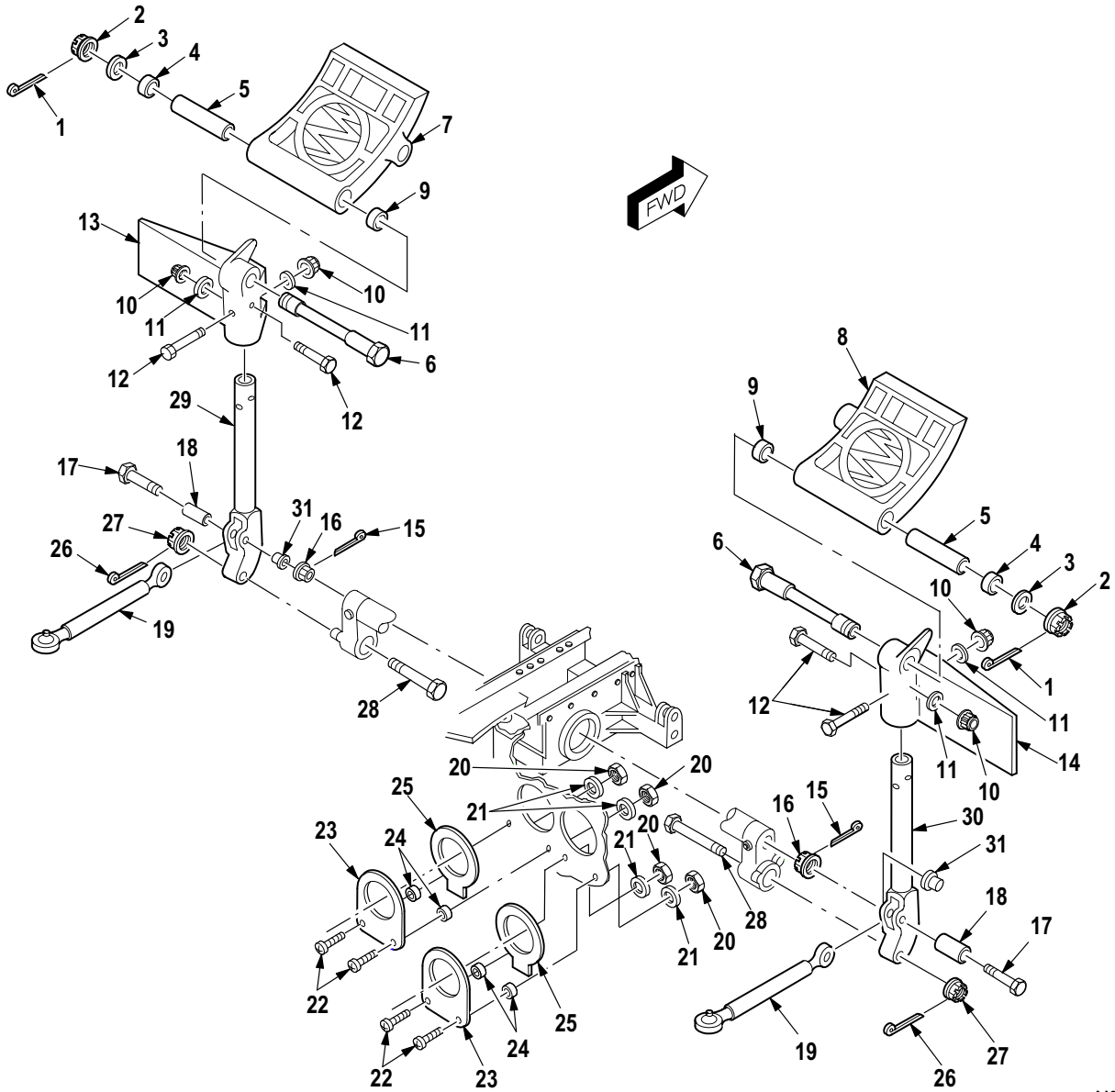
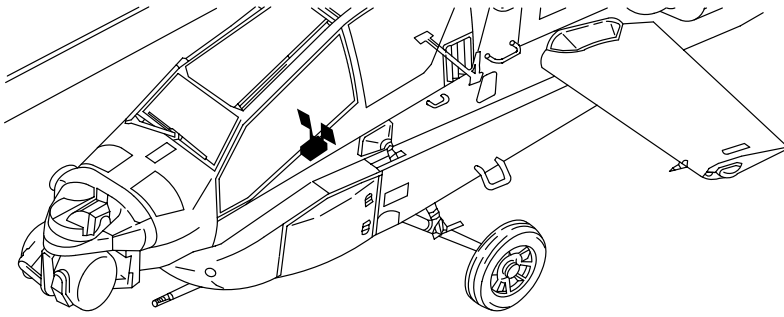


M09-484E

Figure 642. Group 11 Transducer, Stabilator Position



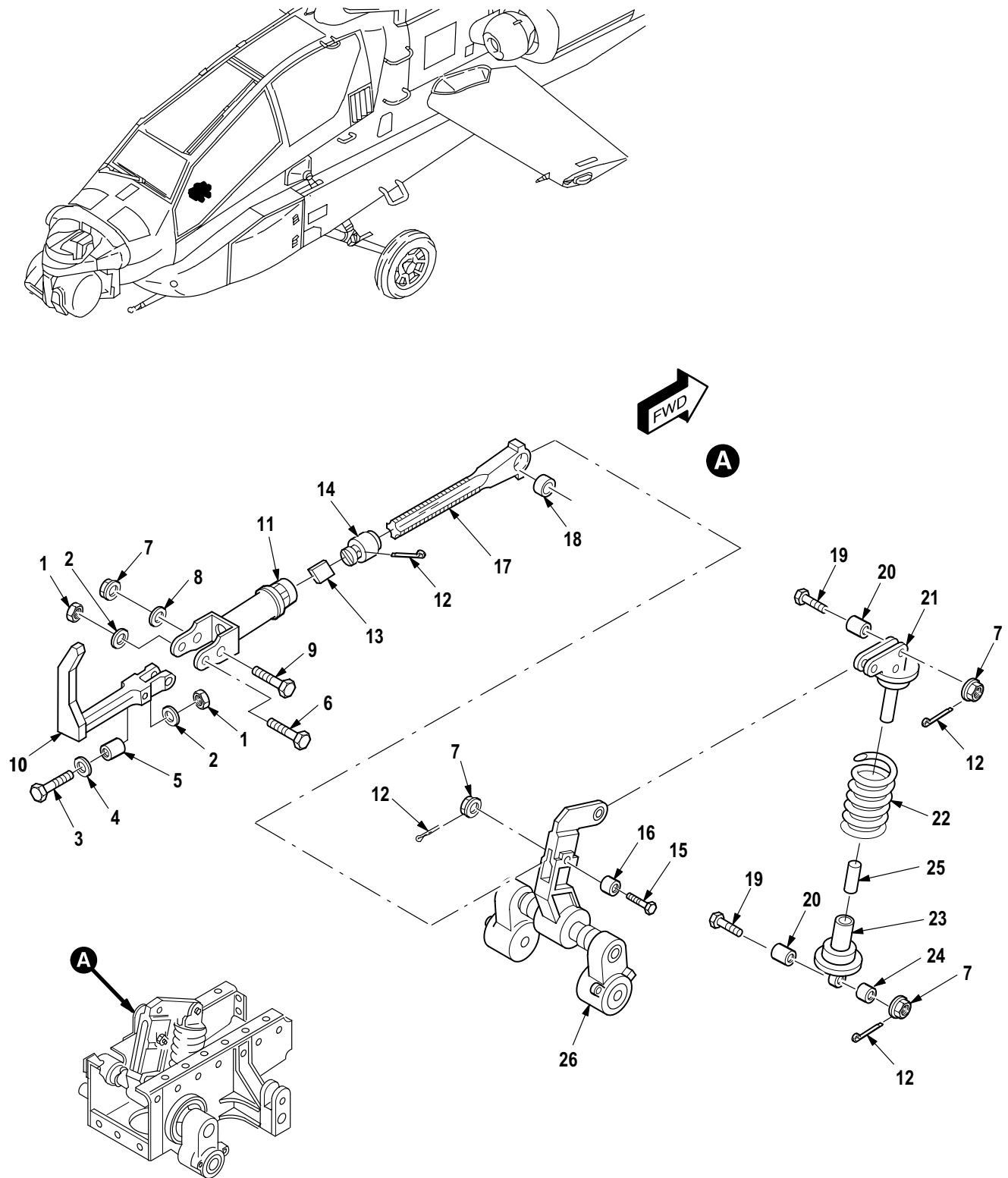
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 642 Transducer, Stabilator Position |            |
| 1                  | PAOZZ              | 80205       | MS16996-10         | • Screw, Cap, Socket He .....  | 4          |
| 2                  | PAOZZ              | 02731       | 7-21 1D10003-1 1   | • Transducer, Motional .....   | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....   | 2          |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 2          |
| 5                  | PAOOO              | 02731       | 7-21 1D10017       | • Bracket Assy, Senso .....  | 1          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....  | 4          |
| 7                  | PAOZZ              | 02731       | 7-21 1D10017-5     | • • Shim .....   | 1          |
| 8                  | PAOZZ              | 02731       | HS5482-3-6         | • Bolt, Shear .....  | 1          |
| 9                  | PAOZZ              | 02731       | HS4244C3           | • Washer, Flat .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-735B

Figure 643. Group 11 Pedal Installation, Pilot Station (Part 1)  
7-31 1521000

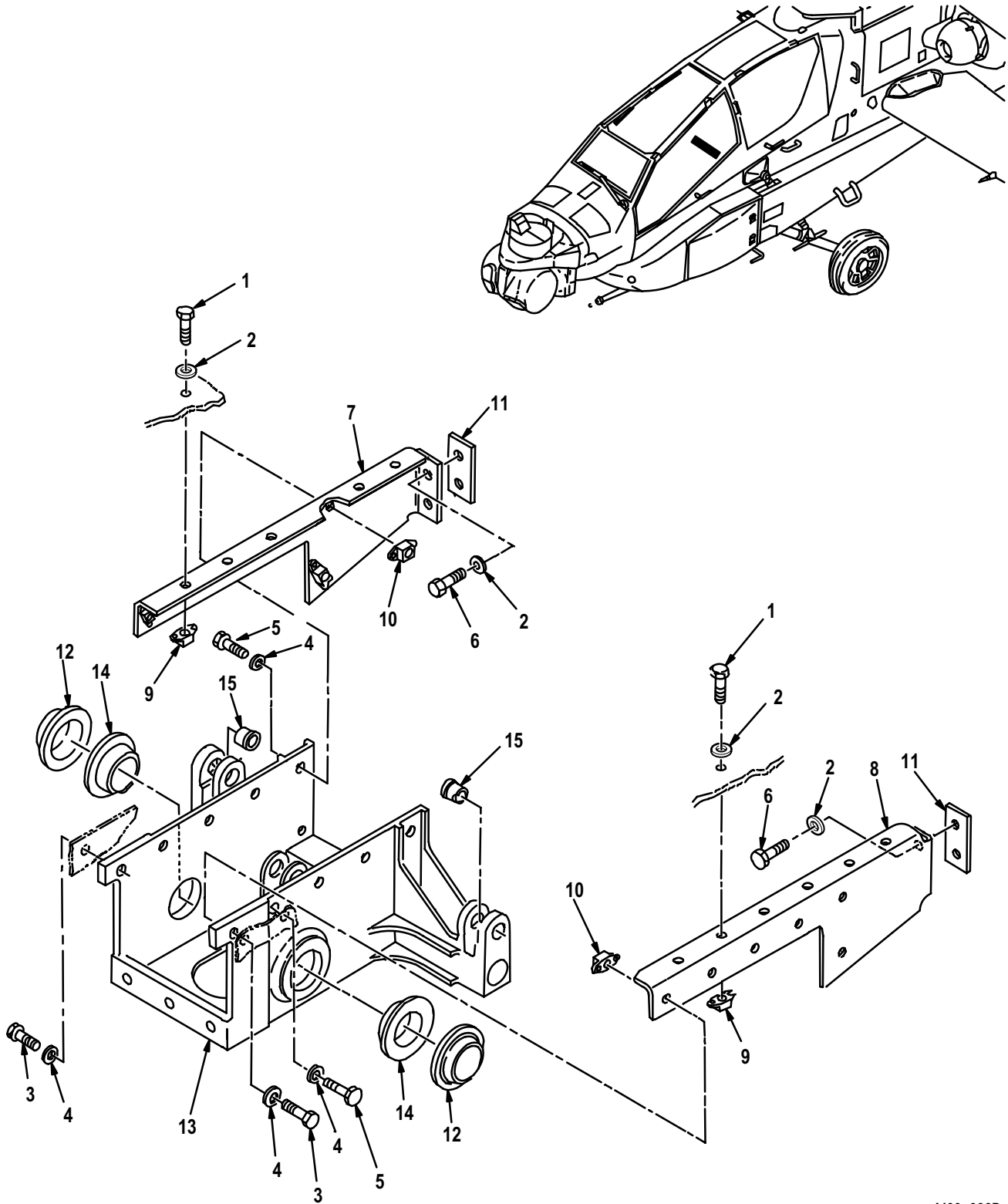
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 643 Pedal Installation,<br>Pilot Station (Part 1)<br>7-31 1521000 |            |
| 1                  | PAOZZ              | 76005       | RS40-7             | • Pin, Cotter .....  | 2          |
| 2                  | PAOZZ              | 02731       | 7-1 15121036       | • Nut, Plain, Castellat .....  | 2          |
| 3                  | PAOZZ              | 88044       | AN960-1216         | • Washer, Flat .....   | 2          |
| 4                  | PAOZZ              | 96906       | MS27646-39         | • Bearing, Ball, Airfra .....  | 2          |
| 5                  | PAOZZ              | 02731       | 7-1 15121030       | • Spacer, Sleeve .....   | 2          |
| 6                  | PAOZZ              | 02731       | 7-1 15121033       | • Bolt, Rotor Ccctrl .....   | 2          |
| 7                  | PAOFF              | 02731       | 7-31 1521002-33    | • Pedal, Control LH .....  | 1          |
| 8                  | PAOFF              | 02731       | 7-31 1521002-32    | • Pedal, Control RH .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS27646-39         | • • Bearing, Ball, Airfra .....  | 1          |
| 10                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....  | 4          |
| 11                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 4          |
| 12                 | PAOZZ              | 80205       | NAS6604-22         | • Bolt, Shear .....  | 4          |
| 13                 | PAOZZ              | 02731       | 7-31 1521004-19    | • Skirt, Pedal .....   | 1          |
| 14                 | PAOZZ              | 02731       | 7-31 1521004-6     | • Skirt, Pedal .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 3          |
| 16                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 2          |
| 17                 | PAOZZ              | 96906       | MS27576-4-21       | • Bolt, Close Toleranc .....   | 2          |
| 18                 | PAOZZ              | 02731       | HS5542-04071       | • Bushing, Sleeve .....  | 2          |
| 19                 | PAOZZ              | 02731       | 7-21 1521023-3     | • Rod Assembly, Pedal .....  | 2          |
| 20                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....  | 4          |
| 21                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 4          |
| 22                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....   | 4          |
| 23                 | PAOZZ              | 02731       | 7-31 1518026       | • Retainer, Grommet, Pe .....  | 2          |
| 24                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....   | 4          |
| 25                 | PAOZZ              | 02731       | 7-31 1518025       | • Grommet, Metallic .....  | 2          |
| 26                 | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....  | 2          |
| 27                 | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....  | 2          |
| 28                 | PAOZZ              | 96906       | MS27576-8-43       | • Bolt, Close Toleranc .....   | 2          |
| 29                 | PAOFF              | 02731       | 7-1 15121005-5     | • Support Assy, Pivot LH .....   | 1          |
| 30                 | PAOFF              | 02731       | 7-1 15121005-6     | • Support Assy, Pivot RH .....   | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-16         | • • Bushing, Sleeve .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-985B

Figure 644. Group 11 Pedal Installation, Pilot Station (Part 2)  
7-31 1521000

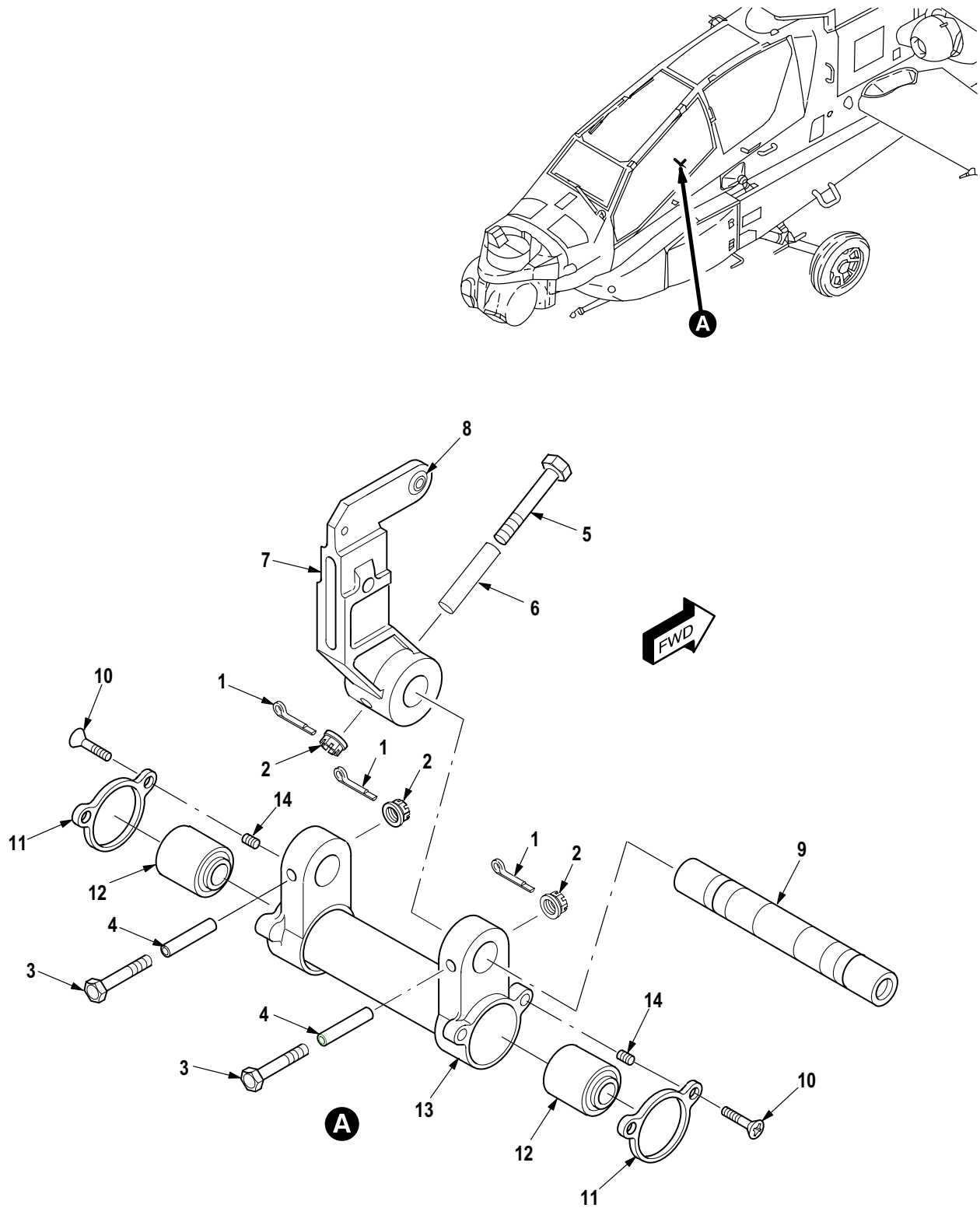
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER        | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|---------------------------|--|------------|
|                    |                    |             |                           | Group 11 Flight Control System<br>Fig. 644 Pedal Installation,<br>Pilot Station (Part 2)<br>7-31 1521000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3                 | • Nut, Self-Locking, Ex .....  | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L                | • Washer, Flat .....   | 2          |
| 3                  | PAOZZ              | 80205       | NAS1303-8H                | • Bolt, Shear .....  | 1          |
| 4                  | PAOZZ              | 02731       | HS306-323                 | • Washer, Flat .....   | 1          |
| 5                  | PAOZZ              | 02731       | HS4653-0002               | • Bearing, Ball, Annula .....  | 1          |
| 6                  | PAOZZ              | 80205       | NAS1303-18                | • Bolt, Shear .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS21224-4                 | • Nut, Self-Locking, As .....  | 4          |
| 8                  | PAOZZ              | 88044       | AN960-416L                | • Washer, Flat .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS27576-4-20              | • Bolt, Close Toleranc .....   | 1          |
| 10                 | PAOZZ              | 02731       | 7-21 1521009              | • Handle, Pedal, Pilot .....   | 1          |
| 11                 | PAOZZ              | 02731       | 7-21 1521008              | • Connecting Link, Rig .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS24665-153               | • Pin, Cotter .....  | 4          |
| 13                 | PAOZZ              | 02731       | 7-21 1521051              | • Key, Safety, Pedal Ad .....  | 1          |
| 14                 | XDOZZ              | 02731       | 7-21 1521050-3            | • Nut, Sleeve .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-4-15              | • Bolt, Close Toleranc .....   | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04083              | • Bushing, Sleeve .....  | 2          |
| 17                 | PAOFF              | 02731       | 7-21 1521010              | • Shaft Assy, Pedal Re .....   | 1          |
| 18                 | PAFZZ              | 81343       | MS14103-4                 | • • Bearing, Plain, Self .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-4-12              | • Bolt, Close Toleranc .....   | 2          |
| 20                 | PAOZZ              | 02731       | HS610SP4369R250Y0<br>190M | • Bushing, Sleeve .....  | 1          |
| 21                 | PAOZZ              | 02731       | 7-21 1521043              | • Seat, Upper Return S .....   | 1          |
| 22                 | PAOZZ              | 02731       | 7-21 1521042              | • Spring, Pedal Adjust .....   | 1          |
| 23                 | PAOFF              | 02731       | 7-21 1521044              | • Seat Assy, Pedal Spr .....   | 1          |
| 24                 | PAFZZ              | 96906       | MS14104-4                 | • • Bearing, Plain, Self .....   | 1          |
| 25                 | PAFZZ              | 80205       | NAS76A6-1 16P             | • • Bushing, Sleeve .....  | 1          |
| 26                 | PAOFF              | 02731       | 7-31 1521035              | • Crank Assy, Pedal, Ad<br>(Matched Set) (See Fig. 646 for Breakdown) .....                              | 1          |
| END OF FIGURE      |                    |             |                           |  |            |



M09-986B

Figure 645. Group 11 Pedal Installation, Pilot Station (Part 3)  
7-31 1521000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 645 Pedal Installation, Pilot Station (Part 3)<br>7-31 1521000 |            |
| 1                  | PAOZZ              | 80205       | NAS6603H3          | ▪ Bolt, Shear .....   | 12         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | ▪ Washer, Flat .....  | 16         |
| 3                  | PAOZZ              | 80205       | NAS1304-5          | ▪ Bolt, Machine .....   | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | ▪ Washer, Flat .....  | 12         |
| 5                  | PAOZZ              | 80205       | NAS6604H3          | ▪ Bolt, Shear .....   | 10         |
| 6                  | PAOZZ              | 80205       | NAS6603H4          | ▪ Bolt, Shear .....   | 4          |
| 7                  | PAOOO              | 02731       | 7-31 1521037-1     | ▪ Brace Assy, Control LH .....  | 1          |
| 8                  | PAOOO              | 02731       | 7-31 1521037-2     | ▪ Brace Assy, Control RH .....  | 1          |
| 9                  | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, PI .....  | 6          |
| 10                 | PAOZZ              | 96906       | MS21075L4E         | •• Nut, Self-Locking, PI .....  | 5          |
| 11                 | PAOZZ              | 02731       | 7-1 15116058-13    | ▪ Spacer, Plate .....   | 2          |
| 12                 | PAOZZ              | 02731       | 7-31 1521031       | ▪ Spacer, Sleeve .....  | 2          |
| 13                 | PAOFF              | 02731       | 7-31 1521018-13    | ▪ Housing Assy, Pedal .....   | 1          |
| 14                 | PAFZZ              | 81349       | M81934/2-16C008    | •• Bearing, Sleeve .....  | 2          |
| 15                 | XDFZZ              | 02731       | HS606S4-12         | •• Bushing, Sleeve .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |

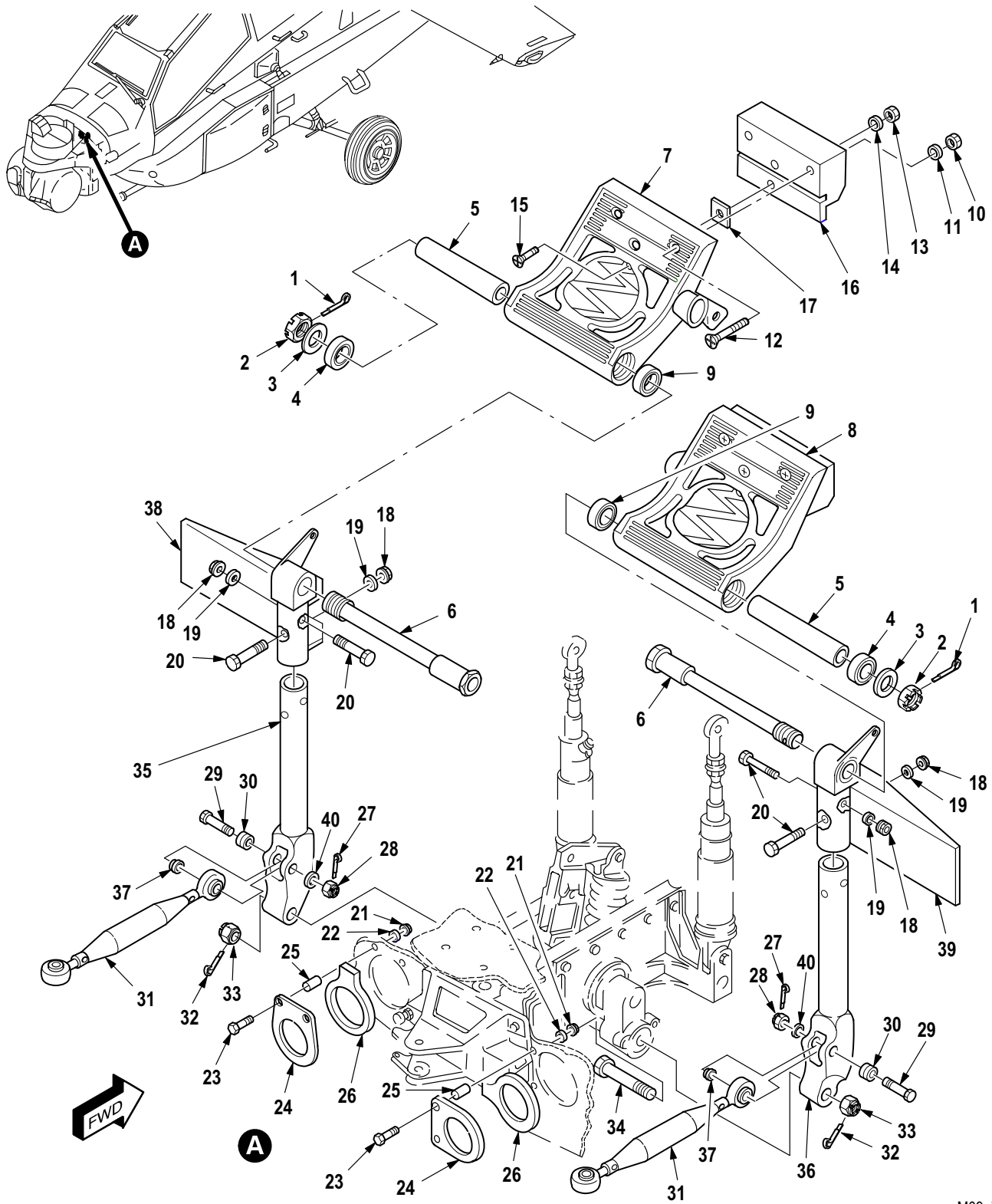


M09-987B

Figure 646. Group 11 Crank Assembly, Pedal Adjusting (Pilot)  
7-31 1521035



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 646 Crank Assembly, Pedal Adjusting (Pilot)<br>7-31 1521035<br>See Fig. 644 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS24665-134        | • Pin, Cotter .....  | 3          |
| 2                  | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 3          |
| 3                  | PAFZZ              | 96906       | MS27576-4-31       | • Bolt, Close Toleranc .....   | 2          |
| 4                  | PAOZZ              | 02731       | HS5542-04028       | • Bushing, Sleeve .....  | 2          |
| 5                  | PAFZZ              | 96906       | MS27576-4-29       | • Bolt, Close Toleranc .....   | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04027       | • Bushing, Sleeve .....  | 1          |
| 7                  | XDFFF              | 02731       | 7-31 1521006       | • Bell Crank (Part Of Matched Set P/N 7-311521075) .....   | 1          |
| 8                  | PAFZZ              | 96906       | MS14104-4          | • • Bearing, Plain, Self- .....  | 1          |
| 9                  | XDFZZ              | 02731       | 7-31 1521034       | • Shaft, Torque, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....  | 1          |
| 10                 | PAFZZ              | 02731       | HS4727-3-1         | • Screw, Close Toleran .....   | 4          |
| 11                 | PAFZZ              | 02731       | 7-31 1521038       | • Plate, Retaining, Bea .....  | 2          |
| 12                 | PAFZZ              | 96906       | MS27647-8          | • Bearing, Ball, Airfra .....  | 2          |
| 13                 | XDFFF              | 02731       | 7-31 1521013       | • Support Crank, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....  | 1          |
| 14                 | PAFZZ              | 96906       | MS51830CA201L      | • • Insert, Screw Thread .....   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-753G

Figure 647. Group 11 Pedal Installation, Copilot/Gunner Station (Part 1)  
7-31 1522000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 647 Pedal Installation,<br>Copilot/Gunner Station (Part 1)<br>7-31 1522000 |            |
| 1                  | PAOZZ              | 76005       | RS40-7             | • Pin, Cotter .....   | 2          |
| 2                  | PAOZZ              | 02731       | 7-1 15121036       | • Nut, Plain, Castellat .....   | 2          |
| 3                  | PAOZZ              | 88044       | AN960-1216         | • Washer, Flat .....  | 2          |
| 4                  | PAOZZ              | 96906       | MS27646-39         | • Bearing, Ball, Airfra .....   | 2          |
| 5                  | PAOZZ              | 02731       | 7-1 15121030       | • Spacer, Sleeve .....  | 2          |
| 6                  | PAOZZ              | 02731       | 7-1 15121033       | • Bolt, Rotor Ccntrol .....   | 2          |
| 7                  | PAOFF              | 02731       | 7-31 1521002-29    | • Pedal, Control .....  | 1          |
| 8                  | PAOFF              | 02731       | 7-31 1521002-28    | • Pedal, Control .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS27646-39         | • • Bearing, Ball, Airfra .....   | 1          |
| 10                 | PAFZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex .....   | 3          |
| 11                 | PAFZZ              | 88044       | AN960-416L         | • • Washer, Flat .....  | 3          |
| 12                 | PAFZZ              | 80205       | NAS517-4-29        | • • Screw, Machine .....  | 3          |
| 13                 | PAFZZ              | 80205       | MS21042-3          | • • Nut, Self-Locking, Ex .....   | 1          |
| 14                 | PAFZZ              | 59875       | TX90790-34         | • • Washer, Flat .....  | 1          |
| 15                 | PAFZZ              | 80205       | NAS517-3-10        | • • Screw, Machine .....  | 1          |
| 16                 | XDFZZ              | 02731       | 7-31 1521020       | • • Weight, Counterbalan .....  | 1          |
| 17                 | PAFZZ              | 02731       | 7-31 1521002-23    | • • Shim .....  | 1          |
| 18                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....   | 4          |
| 19                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 4          |
| 20                 | PAOZZ              | 80205       | NAS6604-20         | • Bolt, Shear .....   | 4          |
| 21                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 4          |
| 22                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 6          |
| 23                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....  | 4          |
| 24                 | PAOZZ              | 02731       | 7-31 1518026       | • Retainer, Grommet, Pe .....   | 2          |
| 25                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....  | 4          |
| 26                 | PAOZZ              | 02731       | 7-31 1518025       | • Grommet, Metallic .....   | 2          |
| 27                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 7          |
| 28                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 6          |
| 29                 | PAOZZ              | 96906       | MS27576-4-22       | • Bolt, Close Toleranc .....  | 2          |
| 30                 | PAOZZ              | 02731       | HS5542-04071       | • Bushing, Sleeve .....   | 2          |
| 31                 | PAOZZ              | 02731       | 7-31 1518024       | • Push-Pull Rod Assy .....  | 1          |
| 32                 | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....   | 2          |
| 33                 | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....   | 2          |
| 34                 | PAOZZ              | 96906       | MS27576-8-43       | • Bolt, Close Toleranc .....  | 2          |
| 35                 | PAOFF              | 02731       | 7-1 15121005-5     | • Support Assy, Pivot .....   | 1          |
| 36                 | PAOFF              | 02731       | 7-1 15121005-6     | • Support Assy, Pivot .....   | 1          |
| 37                 | PAFZZ              | 02731       | HS606S4-16         | • • Bushing, Sleeve .....   | 1          |
| 38                 | PAOZZ              | 02731       | 7-31 1521004-21    | • Skirt, Pedal .....  | 1          |
| 39                 | PAOZZ              | 02731       | 7-31 1521004-6     | • Skirt, Pedal .....  | 1          |
| 40                 | PAOZZ              | 56232       | 288185             | • Washer, Flat .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |

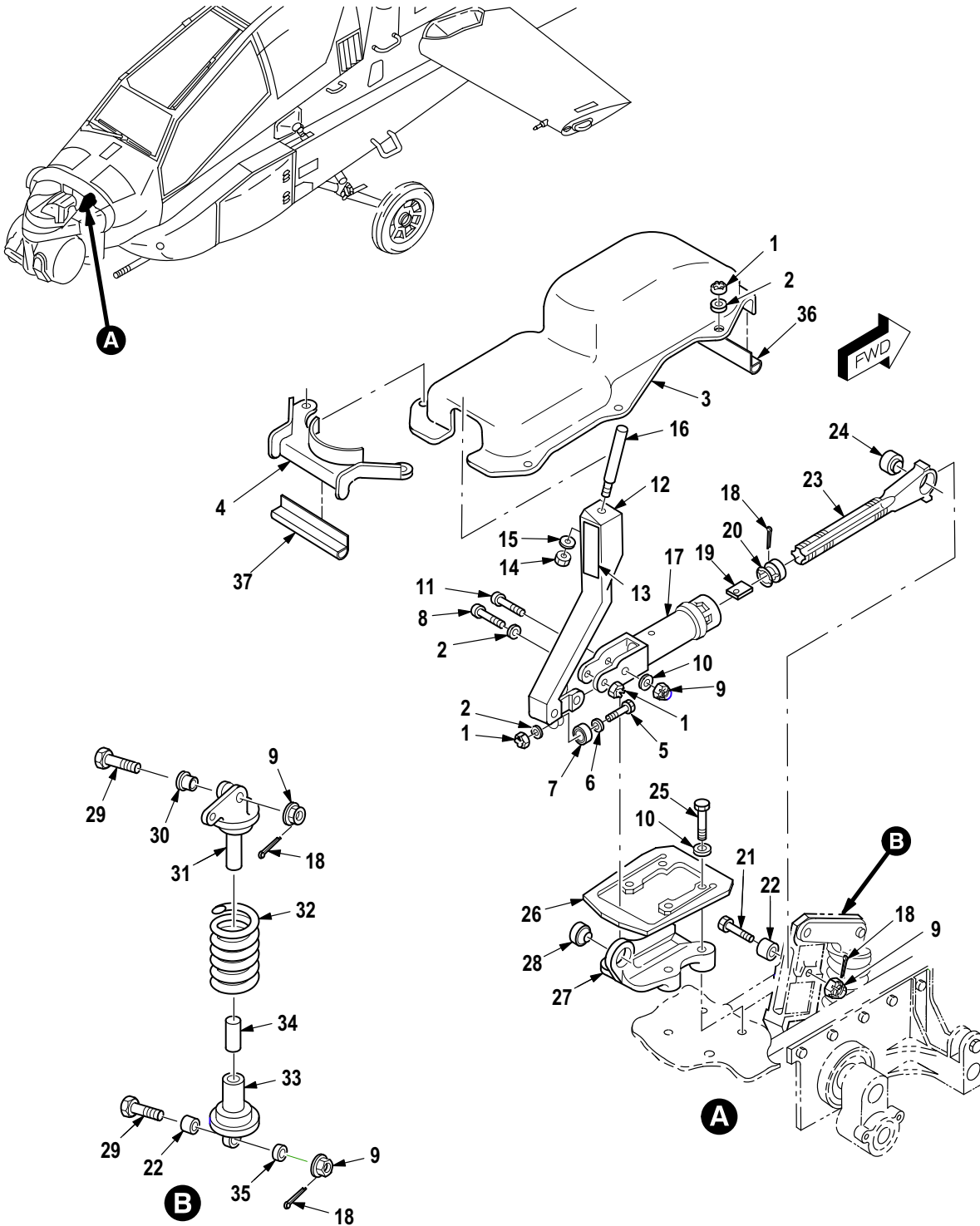
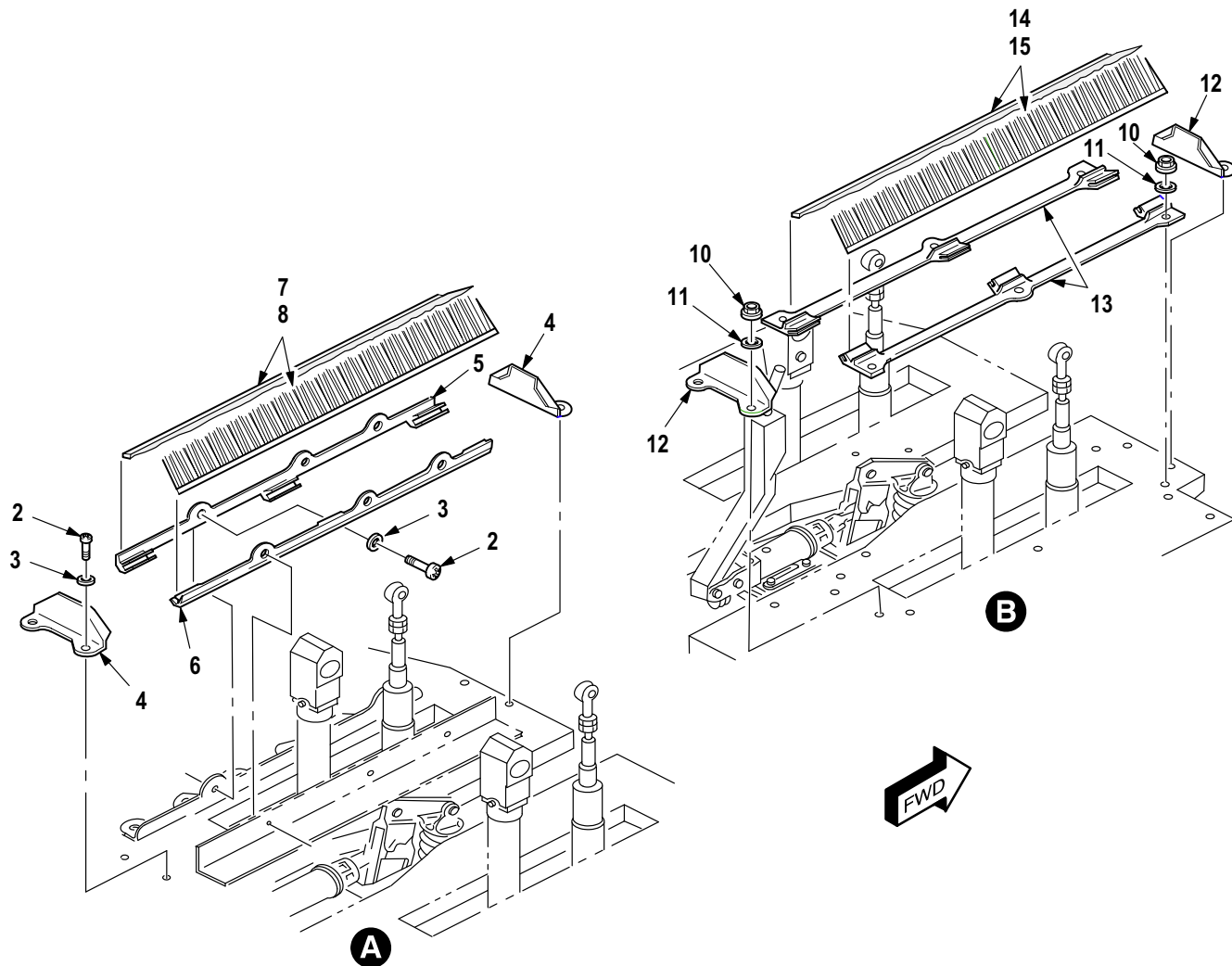
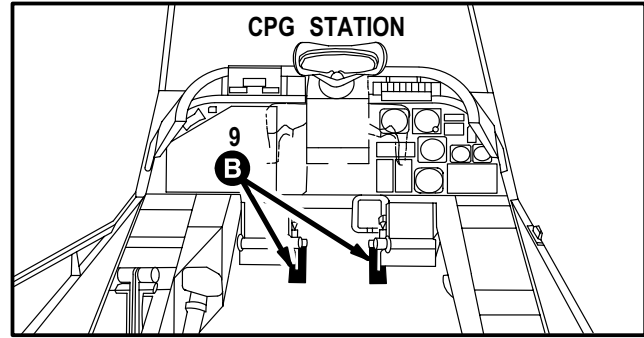
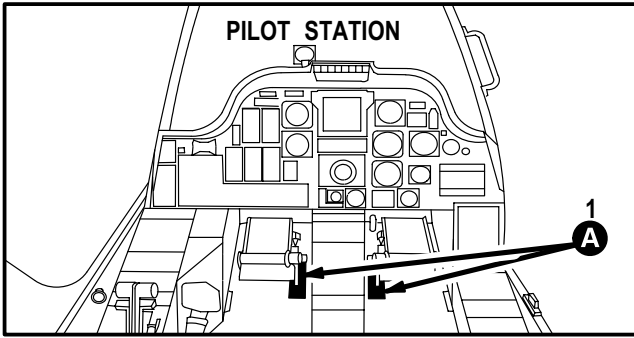


Figure 648. Group 11 Pedal Installation, Copilot/Gunner Station (Part 2)  
7-31 1522000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER        | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|---------------------------|---|------------|
|                    |                    |             |                           | Group 11 Flight Control System<br>Fig. 648 Pedal Installation,<br>Copilot/Gunner Station (Part 2)<br>7-31 1522000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3                 | • Nut, Self-Locking, Ex . . . . .   | 8          |
| 2                  | PAOZZ              | 88044       | AN960JD10L                | • Washer, Flat . . . . .  | 2          |
| 3                  | PAOZZ              | 02731       | 7-21 1521054-9            | • Cover, Pedal Adjuste . . . . .  | 1          |
| 4                  | PAOZZ              | 02731       | 7-21 1521054-1 1          | • Shield Adjust . . . . .   | 1          |
| 5                  | PAOZZ              | 80205       | NAS1303-8H                | • Bolt, Shear . . . . .   | 1          |
| 6                  | PAOZZ              | 02731       | HS306-323                 | • Washer, Flat . . . . .  | 1          |
| 7                  | PAOZZ              | 02731       | HS4653-0002               | • Bearing, Ball, Annula . . . . .   | 1          |
| 8                  | PAOZZ              | 80205       | NAS1303-18                | • Bolt, Shear . . . . .   | 1          |
| 9                  | PAOZZ              | 96906       | MS21224-4                 | • Nut, Self-Locking, As . . . . .   | 4          |
| 10                 | PAOZZ              | 88044       | AN960-416L                | • Washer, Flat . . . . .  | 5          |
| 11                 | PAOZZ              | 96906       | MS27576-4-20              | • Bolt, Close Toleranc . . . . .  | 1          |
| 12                 | PAOZZ              | 02731       | 7-21 1521047-7            | • Handle Assy, Pedal . . . . .  | 1          |
| 13                 | XDOZZ              | 02731       | 7-21 1521055              | • • Plate . . . . .   | 1          |
| 14                 | PAOZZ              | 80205       | MS21042-4                 | • Nut, Self-Locking, Ex . . . . .   | 1          |
| 15                 | PAOZZ              | 88044       | AN960KD416                | • Washer, Flat . . . . .  | 1          |
| 16                 | PAOZZ              | 02731       | 7-21 1521048              | • Handle Assy, Extensi . . . . .  | 1          |
| 17                 | PAOZZ              | 02731       | 7-21 1521008              | • Connecting Link, Rig . . . . .  | 1          |
| 18                 | PAOZZ              | 96906       | MS24665-153               | • Pin, Cotter . . . . .   | 5          |
| 19                 | PAOZZ              | 02731       | 7-21 1521051              | • Key, Safety, Pedal Ad . . . . .   | 1          |
| 20                 | PAOZZ              | 02731       | 7-21 1521050-3            | • Nut, Sleeve . . . . .   | 1          |
| 21                 | PAOZZ              | 96906       | MS27576-4-15              | • Bolt, Close Toleranc . . . . .  | 1          |
| 22                 | PAOZZ              | 02731       | HS5542-04056              | • Bushing, Sleeve . . . . .   | 2          |
| 23                 | PAOFF              | 02731       | 7-21 1521010              | • Shaft Assy, Pedal Re . . . . .  | 1          |
| 24                 | PAFZZ              | 81343       | MS14103-4                 | • • Bearing, Plain, Self . . . . .  | 1          |
| 25                 | XDOZZ              | 80205       | NAS1304-18H               | • Bolt, Shear . . . . .   | 4          |
| 26                 | PAOZZ              | 02731       | 7-21 1521049-5            | • Spring, Pedal Engagem . . . . .   | 1          |
| 27                 | PAOFF              | 02731       | 7-31 1521046              | • Support Assy, Pedal . . . . .   | 1          |
| 28                 | PAFZZ              | 02731       | HS4608-4                  | • • Bearing, Plain, Self . . . . .  | 1          |
| 29                 | PAOZZ              | 96906       | MS27576-4-12              | • Bolt, Close Toleranc . . . . .  | 2          |
| 30                 | PAOZZ              | 02731       | HS610SP4369R250Y0<br>190M | • Bushing, Sleeve . . . . .   | 1          |
| 31                 | PAOZZ              | 02731       | 7-21 1521043              | • Seat, Upper Return S . . . . .  | 1          |
| 32                 | PAOZZ              | 02731       | 7-21 1521042              | • Spring, Pedal Adjust . . . . .  | 1          |
| 33                 | PAOFF              | 02731       | 7-21 1521044              | • Seat Assy, Pedal Spr . . . . .  | 1          |
| 34                 | PAFZZ              | 80205       | NAS76A6-1 16P             | • • Bushing, Sleeve . . . . .   | 1          |
| 35                 | PAFZZ              | 96906       | MS14104-4                 | • • Bearing, Plain, Self . . . . .  | 1          |
| 36                 | PAOZZ              | 02731       | HS4027-0222               | • Seal, Nonmetallic, Sp . . . . .   | 1          |
| 37                 | PAOZZ              | 02731       | HS4027-0408               | • Seal, Nonmetallic, Sp . . . . .   | 1          |
| END OF FIGURE      |                    |             |                           |   |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 649 Pedal Installation,<br>Copilot/Gunner Station (Part 3)<br>7-31 1522000 |            |
| 1                  | PAOFF              | 02731       | 7-31 1521035       | • Crank Assy, Pedal, Ad .....   | 1          |
| 2                  | PAFZZ              | 96906       | MS27576-4-29       | •• Bolt, Close Toleranc .....   | 1          |
| 3                  | PAFZZ              | 96906       | MS27576-4-31       | •• Bolt, Close Toleranc .....   | 2          |
| 4                  | PAOZZ              | 02731       | HS5542-04027       | •• Bushing, Sleeve .....  | 1          |
| 5                  | PAOZZ              | 02731       | HS5542-04028       | •• Bushing, Sleeve .....  | 2          |
| 6                  | PAFZZ              | 96906       | MS21224-4          | •• Nut, Self-Locking, As .....  | 3          |
| 7                  | PAFZZ              | 96906       | MS24665-134        | •• Pin, Cotter .....  | 3          |
| 8                  | PAFZZ              | 02731       | HS4727-3-1         | •• Screw, Close Toleran .....   | 4          |
| 9                  | PAFZZ              | 02731       | 7-31 1521038       | •• Plate, Retaining, Bea .....  | 2          |
| 10                 | PAFZZ              | 96906       | MS27647-8          | •• Bearing, Ball, Airfra .....  | 2          |
| 11                 | XDFFF              | 02731       | 7-31 1521006       | •• Bell Crank (Part Of Matched Set P/N 7-311521035) ....  | 1          |
| 12                 | PAFZZ              | 96906       | MS14104-4          | ••• Bearing, Plain, Self- .....   | 1          |
| 13                 | XDFZZ              | 02731       | 7-31 1521034       | •• Shaft, Torque, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....  | 1          |
| 14                 | XDFFF              | 02731       | 7-31 1521013       | •• Support Crank, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....  | 1          |
| 15                 | PAFZZ              | 96906       | MS51830CA201L      | ••• Insert, Screw Thread .....  | 4          |
| 16                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....   | 7          |
| 17                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....   | 7          |
| 18                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 14         |
| 19                 | PAOZZ              | 02731       | HS5542-04017       | • Bushing, Sleeve .....   | 7          |
| 20                 | PAOFF              | 02731       | 7-31 1521018-15    | • Housing Assy, Pedal .....   | 1          |
| 21                 | XDFZZ              | 02731       | HS606S4-12         | •• Bushing, Sleeve .....  | 2          |
| 22                 | PAFZZ              | 81349       | M81934/2-16C008    | •• Bearing, Sleeve .....  | 2          |
| 23                 | PAOZZ              | 02731       | 7-31 1521031       | • Spacer, Sleeve .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |

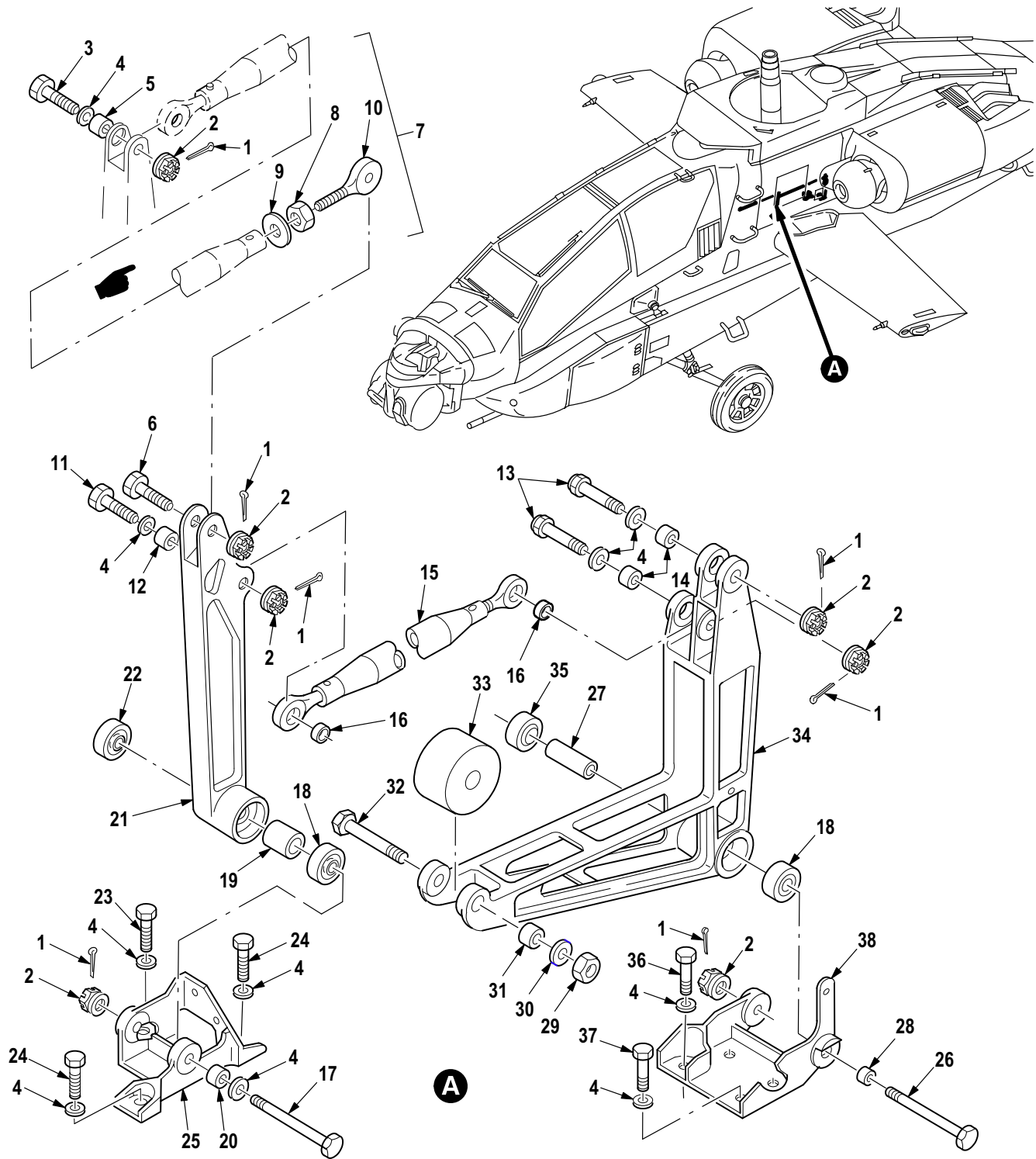


M09-755A

Figure 650. Group 11 Cover Installation, Protective (Pilot and Copilot/Gunner)



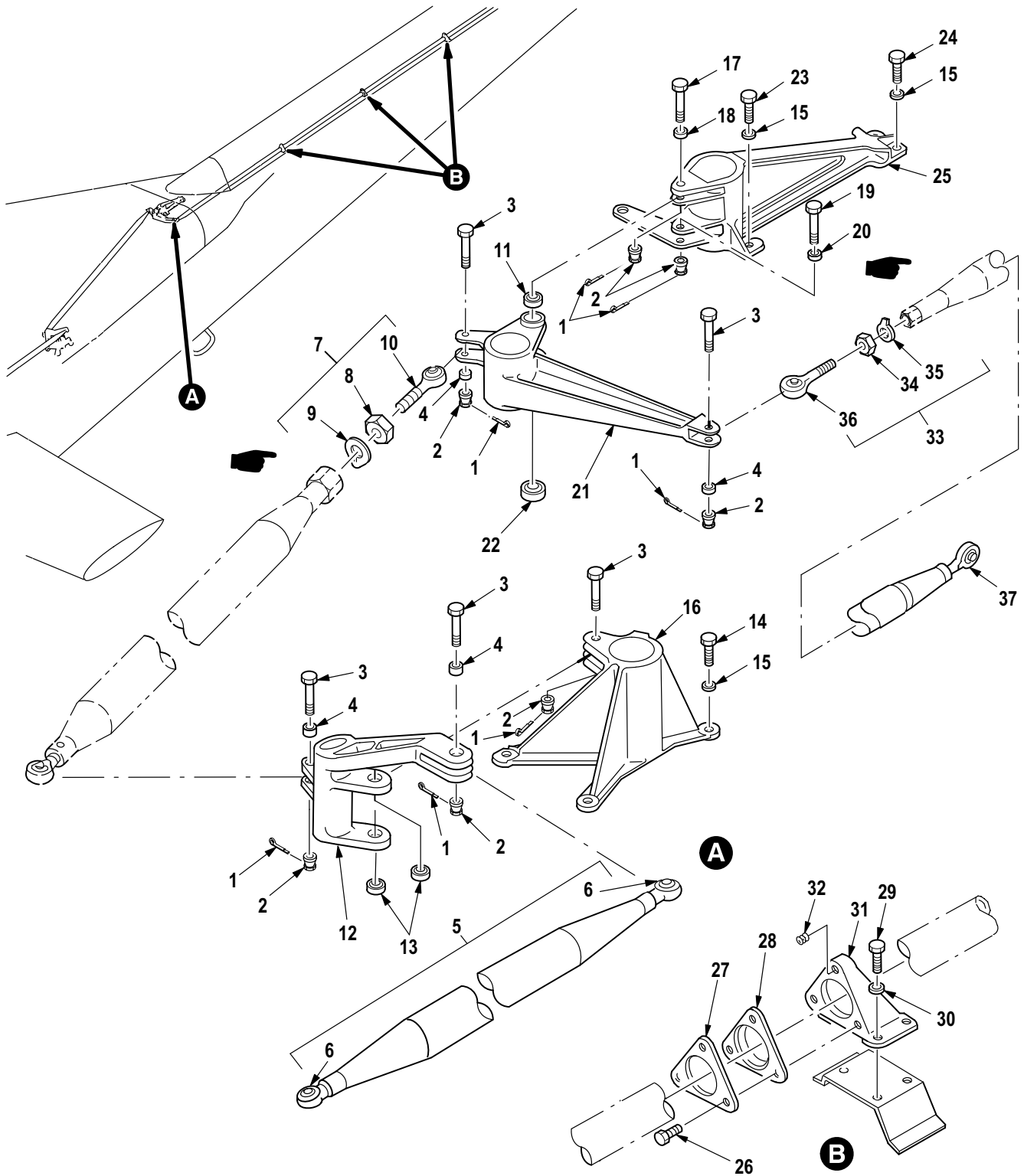
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 650 Cover Installation, Protective<br>(Pilot and Copilot/Gunner) |            |
| 1                  | AOOOO              | 02731       | 7-21 1521060-3     | • Cover, Protective, Pilot .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | •• Screw, Machine .....   | 20         |
| 3                  | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....   | 20         |
| 4                  | PAOZZ              | 02731       | 7-21 1521076       | •• Closure, Protective .....  | 4          |
| 5                  | PAOZZ              | 02731       | 7-21 1521074-4     | •• Retainer, Protective .....   | 2          |
| 6                  | PAOZZ              | 02731       | 7-21 1521074-3     | •• Retainer, Protective .....   | 2          |
| 7                  | PAOZZ              | 02731       | 7-21 1521078-5     | •• Brush Assy, Cover RH .....   | 2          |
| 8                  | PAOZZ              | 02731       | 7-21 1521078-3     | •• Brush Assy, Cover LH .....   | 2          |
| 9                  | AOOOO              | 02731       | 7-21 1521061       | • Cover, Protective, Copilot/Gunner .....   | 1          |
| 10                 | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....  | 20         |
| 11                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....   | 20         |
| 12                 | PAOZZ              | 02731       | 7-21 1521076       | •• Closure, Protective .....  | 4          |
| 13                 | PAOZZ              | 02731       | 7-21 1521075       | •• Retainer, Protective .....   | 4          |
| 14                 | PAOZZ              | 02731       | 7-21 1521078-9     | •• Brush Assy, Cover RH .....   | 2          |
| 15                 | PAOZZ              | 02731       | 7-21 1521078-7     | •• Brush Assy, Cover LH .....   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-104H

Figure 651. Group 11 Linkage Installation, Tail Rotor Mid Fuselage (FS 164 to FS 216)  
7-31 1523000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 651 Linkage Installation, Tail Rotor<br>Mid Fuselage (FS 164 to FS 216)<br>7-31 1523000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 7          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 7          |
| 3                  | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 12         |
| 5                  | PAOZZ              | 02731       | HS5542-04089       | • Bushing, Sleeve .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....   | 1          |
| 7                  | PAOOO              | 02731       | 7-21 1524001-5     | • Rod Assembly, Linkag .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....  | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....  | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc .....   | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04023       | • Bushing, Sleeve .....  | 1          |
| 13                 | PAOZZ              | 96906       | MS27576-4-17       | • Bolt, Close Toleranc .....   | 2          |
| 14                 | PAOZZ              | 02731       | HS5542-04090       | • Bushing, Sleeve .....  | 2          |
| 15                 | PAOOO              | 02731       | 7-21 1524001-7     | • Rod Assembly, Linkag .....   | 1          |
| 16                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....  | 2          |
| 17                 | PAOZZ              | 96906       | MS27576-4-36       | • Bolt, Close Toleranc .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....  | 2          |
| 19                 | PAOZZ              | 02731       | 7-21 1523015-3     | • Spacer, Sleeve .....   | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-04040       | • Bushing, Sleeve .....  | 1          |
| 21                 | PAOFF              | 02731       | 7-21 1523013       | • Bell Crank .....   | 1          |
| 22                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 23                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....  | 1          |
| 24                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....  | 2          |
| 25                 | PAOZZ              | 02731       | 7-31 1523009       | • Fitting, Tail Rotor .....  | 1          |
| 26                 | PAOZZ              | 96906       | MS27576-4-45       | • Bolt, Close Toleranc .....   | 1          |
| 27                 | PAOZZ              | 02731       | 7-21 1523015-7     | • Spacer, Sleeve .....   | 1          |
| 28                 | PAOZZ              | 02731       | HS5542-04039       | • Bushing, Sleeve .....  | 1          |
| 29                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....  | 1          |
| 30                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....   | 1          |
| 31                 | PAOZZ              | 02731       | HS5542-04091       | • Bushing, Sleeve .....  | 1          |
| 32                 | PAOZZ              | 80205       | NAS6604-29         | • Bolt, Shear .....  | 1          |
| 33                 | PAOZZ              | 02731       | 7-31 1525075-3     | • Weight, Counterbalan .....   | 1          |
| 34                 | PAOFF              | 02731       | 7-31 1523014-5     | • Bell Crank .....   | 1          |
| 35                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....  | 1          |
| 36                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....  | 2          |
| 37                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear .....  | 2          |
| 38                 | PAOZZ              | 02731       | 7-31 1523003-5     | • Bracket, Control .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

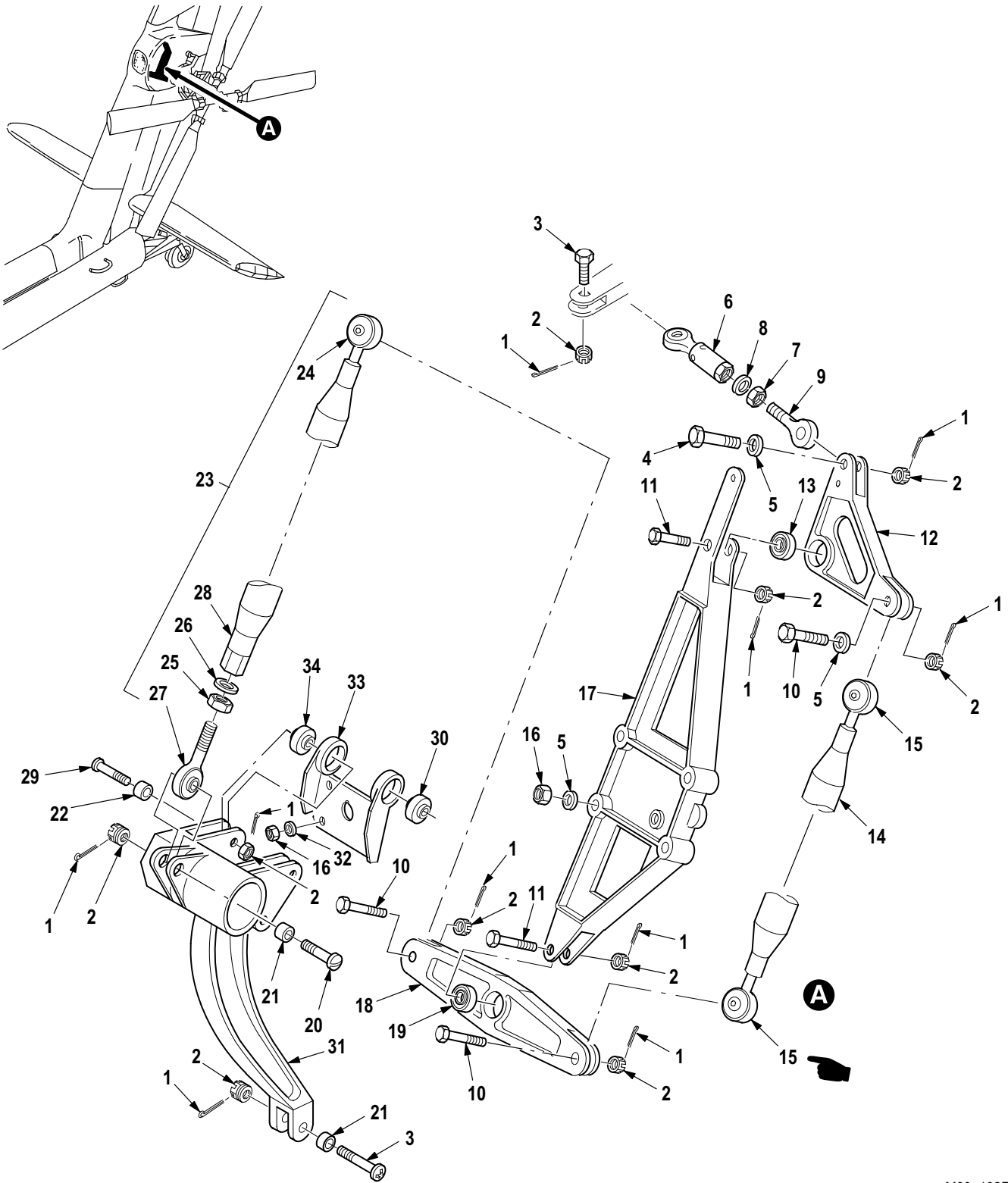


M09-756E

Figure 652. Group 11 Linkage Installation, Tail Rotor AFT Fuselage (FS 275 to FS 477)  
7-31 1524000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 652 Linkage Installation, Tail Rotor<br>AFT Fuselage (FS 275 to FS 477)<br>7-31 1524000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....  | 8          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....  | 8          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....   | 6          |
| 4                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....  | 4          |
| 5                  | PAOOZ              | 34742       | 6027-1             | • Connecting Link, Rig .....   | 1          |
| 6                  | PAOZZ              | 96906       | MS21151-8          | •• Bearing, Ball, Rod En .....   | 2          |
| 7                  | PAOOO              | 02731       | 7-21 1524001-1 1   | • Connecting Link, Rig .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
| 11                 | PAOZZ              | 96906       | MS27649-4          | • Bearing, Ball, Airfra .....  | 2          |
| 12                 | PAOFF              | 02731       | 7-31 1524009       | • Bell Crank .....   | 1          |
| 13                 | PAFZZ              | 96906       | MS27640-4          | •• Bearing, Ball, Airfra .....   | 1          |
| 14                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....  | 4          |
| 15                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....   | 6          |
| 16                 | PAOZZ              | 02731       | 7-31 1524004-3     | • Bracket, Rotor Contr .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....   | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04095       | • Bushing, Sleeve .....  | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....   | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-04097       | • Bushing, Sleeve .....  | 1          |
| 21                 | PAOFF              | 02731       | 7-31 1524010       | • Bell Crank .....   | 1          |
| 22                 | PAFZZ              | 96906       | MS27640-4          | •• Bearing, Ball, Airfra .....   | 1          |
| 23                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear (Usbl Eff 82-23355 thru 88-0215 ) .....  | 2          |
| 23                 | PAOZZ              | 80205       | NAS6604H8          | • Bolt, Shear (Usbl Eff 88-0216 and Subs) .....  | 2          |
| 24                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....  | 2          |
| 25                 | PAOZZ              | 02731       | 7-31 1524005       | • Bracket Tail Rotor .....   | 1          |
| 26                 | PAOZZ              | 80205       | NAS6603-1          | • Bolt, Shear .....  | 9          |
| 27                 | PAOZZ              | 02731       | 7-21 1524068       | • Gasket .....   | 3          |
| 28                 | PAOZZ              | 02731       | 7-21 1524065-3     | • Grommet, Nonmetallic .....   | 3          |
| 29                 | PAOZZ              | 80205       | NAS6603-2          | • Bolt, Shear .....  | 9          |
| 30                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....   | 9          |
| 31                 | PAOOO              | 02731       | 7-31 1524064       | • Guide, Pushrod .....   | 3          |
| 32                 | PAOZZ              | 96906       | MS51830CA201L      | •• Insert, Screw Thread .....  | 3          |
| 33                 | PAOOO              | 02731       | 7-21 1524066-1 1   | • Push Rod Assy, Tail .....  | 1          |
| 34                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....   | 1          |
| 35                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....   | 1          |
| 36                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....   | 1          |
| 37                 | XDOZZ              | 02731       | 7-21 1524067       | •• Sleeve, Push Rod, Tai .....   | 6          |

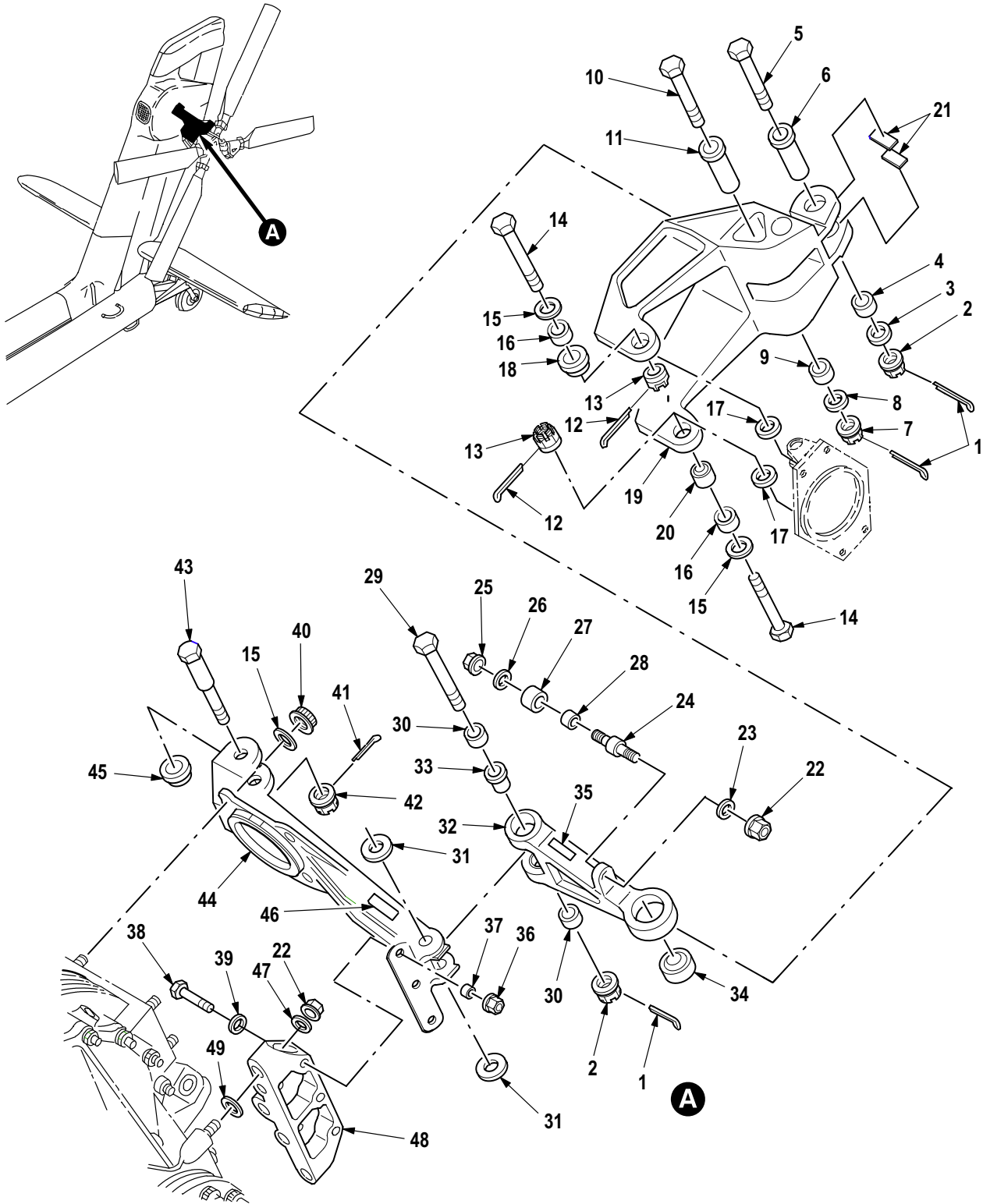
END OF FIGURE



M09-102F

Figure 653. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 1)  
7-31 1525000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 653 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 1)<br>7-31 1525000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 10         |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....   | 11         |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....  | 2          |
| 4                  | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....  | 1          |
| 5                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 6          |
| 6                  | PAOOO              | 02731       | 7-21 1525051-3     | • Link Assy, Tail Roto .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....  | 3          |
| 11                 | PAOZZ              | 96906       | MS27576-4-21       | • Bolt, Close Toleranc .....  | 2          |
| 12                 | PAOFF              | 02731       | 7-21 1525045       | • Bell Crank .....  | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 14                 | PAOOO              | 02731       | 7-21 1524001-15    | • Push-Pull Rod Assy .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS21151-8          | •• Bearing, Ball, Rod En .....  | 2          |
| 16                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 4          |
| 17                 | PAOZZ              | 02731       | 7-31 1525043       | • Bracket, Rotor Contr .....  | 1          |
| 18                 | PAOFF              | 02731       | 7-21 1525044       | • Bell Crank .....  | 1          |
| 19                 | PAFZZ              | 96906       | MS27647-4          | •• Bearing, Ball, Airfra .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS27576-4-17       | • Bolt, Close Toleranc .....  | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-04099       | • Bushing, Sleeve .....   | 2          |
| 22                 | PAFZZ              | 02731       | HS5542-04100       | • Bushing, Sleeve .....   | 2          |
| 23                 | PAOOO              | 02731       | 7-21 1525602-3     | • Rod Assembly .....  | 1          |
| 24                 | PAOZZ              | 96906       | MS21151-8          | •• Bearing, Ball, Rod En .....  | 1          |
| 25                 | PAOZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....  | 1          |
| 26                 | PAOZZ              | 80205       | NAS513-6           | •• Washer, Key .....  | 1          |
| 27                 | PAOZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....  | 1          |
| 28                 | XAOZZ              | 02731       | 7-21 1525602-103   | •• Tube Assy .....  | 1          |
| 29                 | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc .....  | 2          |
| 30                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....   | 1          |
| 31                 | PAOZZ              | 02731       | 7-31 1525047       | • Bell Crank (FS 520) .....   | 1          |
| 32                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 2          |
| 33                 | PAOFF              | 02731       | 7-21 1525046-7     | • Bracket, Tail Rotor .....   | 1          |
| 34                 | PAFZZ              | 96906       | MS27640-4          | •• Bearing, Ball, Airfra .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-757G

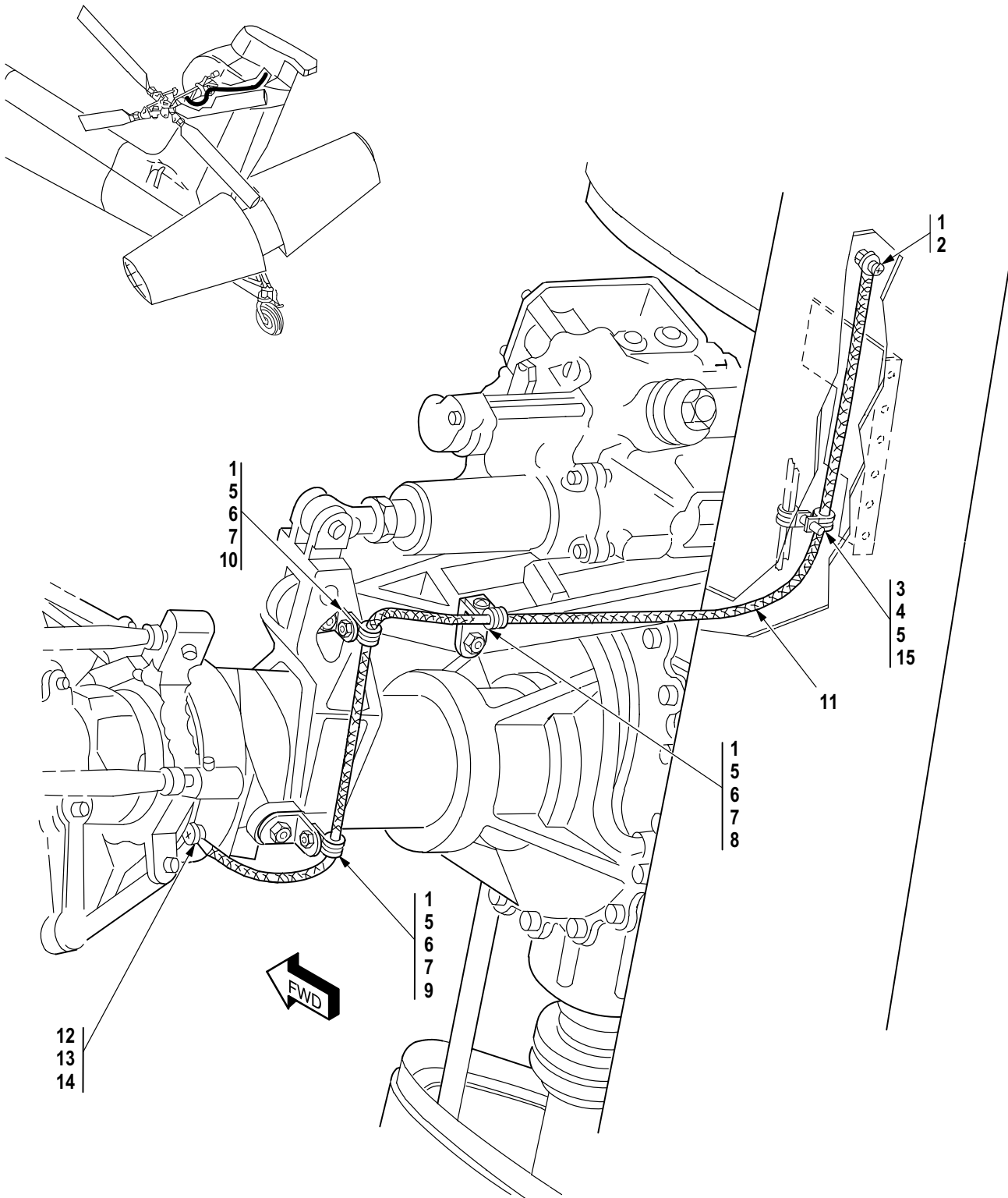
Figure 654. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 2)  
7-31 1525000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 654 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 2)<br>7-31 1525000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....   | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....   | 2          |
| 3                  | PAOZZ              | 02731       | 7-31 1525076-3     | • Washer, Flat .....  | 1          |
| 4                  | PAOZZ              | 02731       | HS5542-12002       | • Bushing, Sleeve .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS27576-8-32       | • Bolt, Close Toleranc .....  | 1          |
| 6                  | PAOZZ              | 02731       | 7-31 1525066-3     | • Pin, Straight, Headed .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS21224-6          | • Nut, Self-Locking, As .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1525076-1     | • Washer, Flat .....  | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-12001       | • Bushing, Sleeve .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-6-31       | • Bolt, Close Toleranc .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-31 1525068       | • Pin, Grooved, Headed .....  | 1          |
| 12                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 2          |
| 13                 | PAOZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As .....   | 2          |
| 14                 | PAOZZ              | 96906       | MS27576-5-15       | • Bolt, Close Toleranc .....  | 2          |
| 15                 | PAOZZ              | 88044       | AN960KD516L        | • Washer, Flat .....  | V          |
| 16                 | PAOZZ              | 02731       | HS5542-0501 1      | • Bushing, Sleeve .....   | 2          |
| 17                 | PAOZZ              | 02731       | HS306-228L         | • Washer, Flat .....  | 2          |
| 18                 | PAOZZ              | 02731       | 7-21 1525060       | • Bearing, Plain, Self .....  | 1          |
| 19                 | PAOFF              | 02731       | 7-31 1525063-17    | • Bell Crank .....  | 1          |
| 20                 | PAFZZ              | 02731       | HS4736KR5CWGH      | • • Bearing, Plain, Self .....  | 1          |
| 21                 | MOOZZ              | 02731       | 7-31 1525063-9     | • • Bumper, Nonmetallic .....   | 2          |
| 22                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 9          |
| 23                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....  | 2          |
| 24                 | PAOZZ              | 02731       | 7-31 1525070       | • Stud, Shouldered and .....  | 2          |
| 25                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 2          |
| 26                 | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....  | 2          |
| 27                 | PAOZZ              | 02731       | 7-31 1525071       | • Roller, Linear-Rotar .....  | 2          |
| 28                 | PAOZZ              | 81349       | M81934/1-04C008    | • Bearing, Sleeve .....   | 2          |
| 29                 | PAOZZ              | 96906       | MS27576-8-47       | • Bolt, Close Toleranc .....  | 1          |
| 30                 | PAOZZ              | 02731       | 7-21 1525058-9     | • Bushing, Sleeve .....   | 2          |
| 31                 | PAOZZ              | 02731       | 7-21 1525056-3     | • Washer, Flat .....  | 2          |
| 32                 | PAOFF              | 02731       | 7-31 1525064-21    | • Lever, Remote Contro .....  | 1          |
| 33                 | PAFZZ              | 02731       | HS4619-1 1C010B    | • • Bearing, Sleeve .....   | 2          |
| 34                 | PAFZZ              | 96906       | MS14103-12         | • • Bearing, Plain, Self .....  | 1          |
| 35                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....  | 3          |
| 36                 | PAOZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex .....   | 3          |
| 37                 | PAOZZ              | 02731       | HS5542-05004       | • Bushing, Sleeve .....   | 3          |
| 38                 | PAOZZ              | 96906       | MS21250-05020      | • Bolt, Shear .....   | 3          |
| 39                 | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed .....  | 3          |
| 40                 | PAOZZ              | 56878       | 47FLW524           | • Nut, Self-Locking, Ex .....   | 4          |
| 41                 | PAOZZ              | 76005       | RS40-7             | • Pin, Cotter .....   | 1          |
| 42                 | PAOZZ              | 96906       | MS21224-10         | • Nut, Self-Locking, As .....   | 1          |
| 43                 | PAOZZ              | 02731       | 7-31 1525072       | • Bolt, Self-Locking .....  | 1          |
| 44                 | PAOFF              | 02731       | 7-31 1525062-19    | • Support Assembly AC .....   | 1          |
| 45                 | PAFZZ              | 02731       | 7-31 1525074       | • • Bushing, Sleeve .....   | 1          |
| 46                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....  | 1          |
| 47                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 5          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 48                 | PAOZZ              | 02731       | 7-31 1525065       | • Bracket, Support, Act .....               | 1          |
| 49                 | PAOZZ              | 02731       | 7-1 15116058-1 1   | • Spacer, Plate .....                       | 3          |
| END OF FIGURE      |                    |             |                    |   |            |

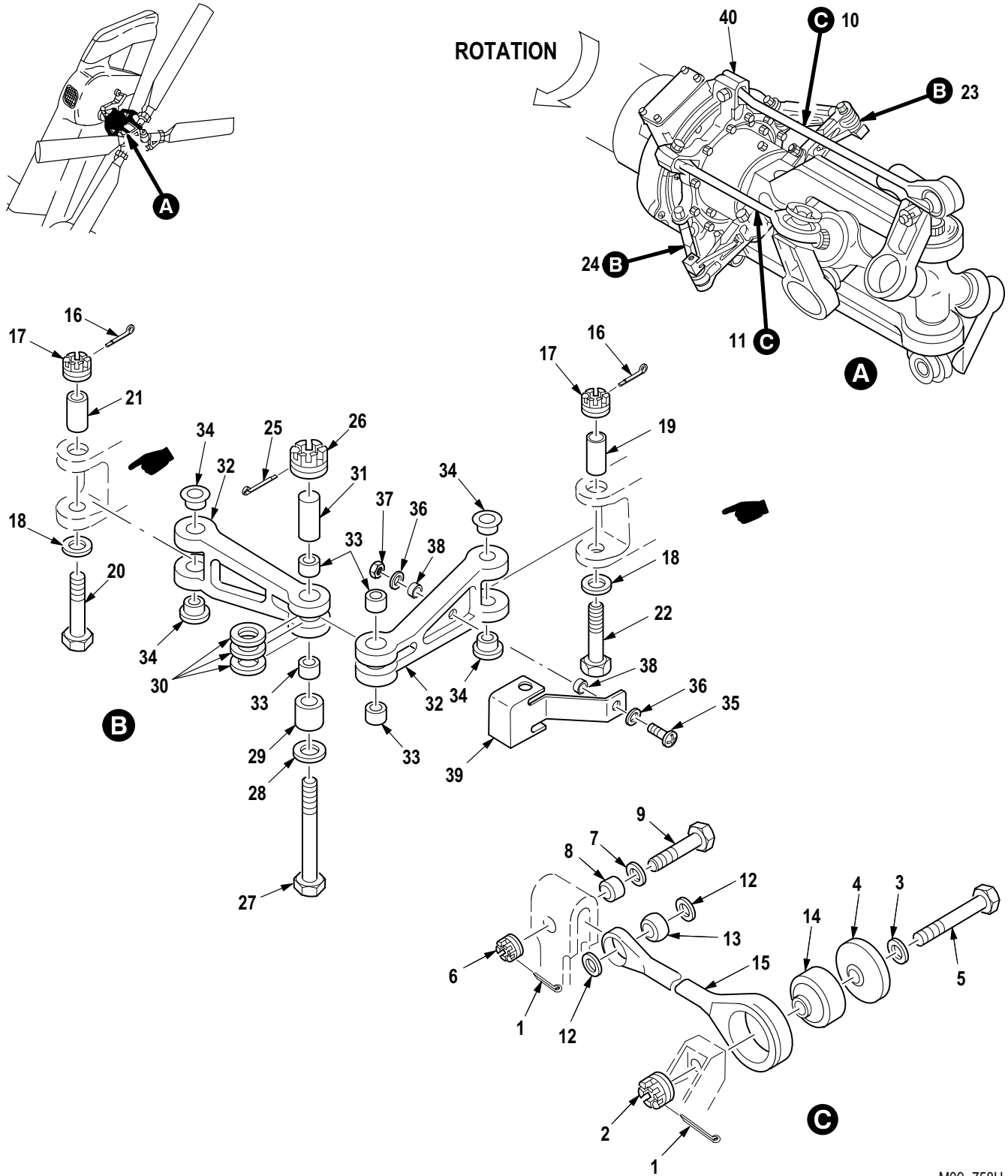




M09-1216A

Figure 655. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 3)  
7-31 1525000

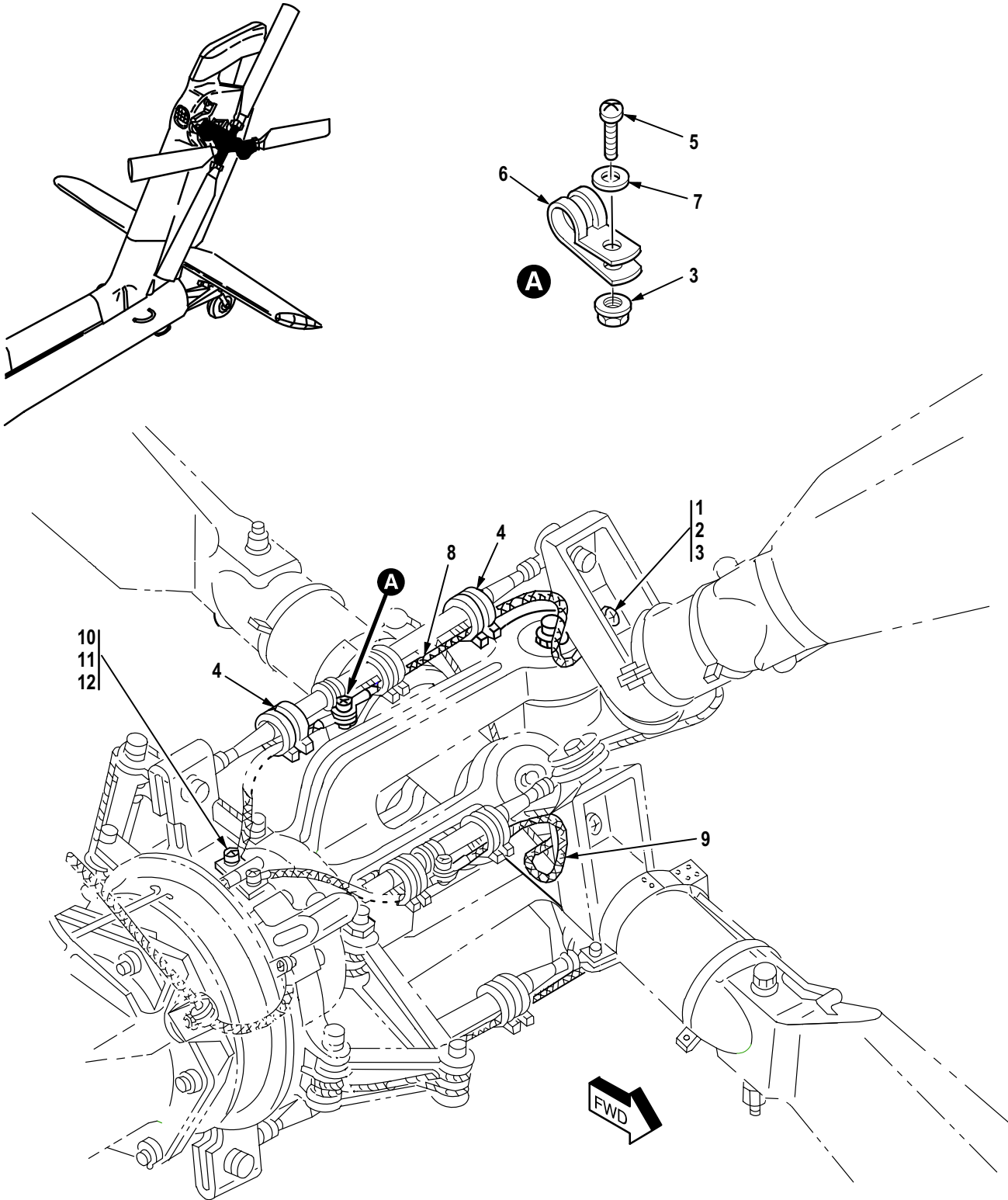
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 655 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 3)<br>7-31 1525000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 4          |
| 2                  | PAOZZ              | 80205       | NAS620A10L         | • Washer, Flat .....  | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....  | 1          |
| 4                  | PAOZZ              | 80205       | NAS43DD3-16        | • Spacer, Sleeve .....  | 1          |
| 5                  | PAOZZ              | 96906       | MS21919WDG2        | • Clamp, Loop .....   | 4          |
| 6                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....  | 3          |
| 7                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....  | 4          |
| 8                  | MFOZZ              | 02731       | 7-31 1B26083-5     | • Bracket .....   | 1          |
| 9                  | MFOZZ              | 02731       | 7-31 1B26083-3     | • Bracket .....   | 1          |
| 10                 | MFOZZ              | 02731       | 7-31 1B26083-9     | • Bracket .....   | 1          |
| 11                 | PAOZZ              | 02731       | HS5509-35-BB-3     | • Lead, Electrical .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS514P832-8       | Screw, Machine .....  | 1          |
| 13                 | PAOZZ              | 88044       | AN960-8L           | Washer, Flat .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS21042L08         | Nut, Self-Locking, Ex .....   | 1          |
| 15                 | PAOZZ              | 80205       | NAS43DD3-16        | Spacer, Sleeve .....  | 5          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-758H

Figure 656. Group 11 Pitch Control Installation, Tail Rotor (Part 1)  
7-31 1527000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 656 Pitch Control Installation, Tail Rotor<br>(Part 1)<br>7-31 1527000 |            |
| 1                  | PAOZZ              | 49956       | 293-1014P19        | • Pin, Cotter .....   | 8          |
| 2                  | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....   | 4          |
| 3                  | PAOZZ              | 88044       | AN960KD816L        | • Washer, Flat .....  | 4          |
| 4                  | PAOZZ              | 02731       | 7-21 1527032       | • Bearing, Washer, Thru .....   | 4          |
| 5                  | PAOZZ              | 96906       | MS27576-8-37       | • Bolt, Close Toleranc .....  | 4          |
| 6                  | PAOZZ              | 96906       | MS21224-6          | • Nut, Self-Locking, As .....   | 4          |
| 7                  | PAOZZ              | 88044       | AN960KD616L        | • Washer, Flat .....  | 4          |
| 8                  | PAOZZ              | 02731       | HS5542-06009       | • Bushing, Sleeve .....   | 4          |
| 9                  | PAOZZ              | 96906       | MS27576-6-18       | • Bolt, Close Toleranc .....  | 4          |
| 10                 | PAOFF              | 02731       | 7-31 1527035-41    | • Connecting Link, Rig .....  | 2          |
| 11                 | PAOFF              | 02731       | 7-31 1527035-43    | • Connecting Link, Rig .....  | 2          |
| 12                 | PAOZZ              | 80205       | NAS1515J9L         | • • Washer, Flat .....  | 8          |
| 13                 | PAFZZ              | 02731       | HS4736KR6CWGH      | • • Bearing Unit, Plain .....   | 1          |
| 14                 | PAFZZ              | 02731       | 7-21 1527014       | • • Bearing, Plain, Spher .....   | 1          |
| 15                 | XAFZZ              | 02731       | 7-31 1527035-45    | • • Link (U/O P/N 7-311527035-41) .....   | 1          |
| 15                 | XAFZZ              | 02731       | 7-31 1527035-47    | • • Link (U/O P/N 7-311527035-43) .....   | 1          |
| 16                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....   | 4          |
| 17                 | PAOZZ              | 96906       | MS17825-4          | • Nut, Self-Locking, Sl .....   | 4          |
| 18                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 4          |
| 19                 | PAOZZ              | 02731       | HS5542-041 19      | • Bushing, Sleeve .....   | 2          |
| 20                 | PAOZZ              | 80205       | NAS6604DH37        | • Bolt, Shear .....   | 2          |
| 21                 | PAOZZ              | 02731       | HS5542-04120       | • Bushing, Sleeve .....   | 2          |
| 22                 | PAOZZ              | 80205       | NAS6604DH33        | • Bolt, Shear .....   | 2          |
| 23                 | AOOOO              | 02731       | 7-31 1527008-1 1   | • Connecting Link Assy .....  | 1          |
| 24                 | AOOOO              | 02731       | 7-31 1527008-13    | • Connecting Link Assy .....  | 1          |
| 25                 | PAOZZ              | 80205       | MS24665-132        | • • Pin, Cotter .....   | 1          |
| 26                 | PAOZZ              | 96906       | MS21224-4          | • • Nut, Self-Locking, As .....   | 1          |
| 27                 | PAOZZ              | 96906       | MS27576-4-27       | • • Bolt, Close Toleranc .....  | 1          |
| 28                 | PAOZZ              | 88044       | AN960C416L         | • • Washer, Flat .....  | 1          |
| 29                 | PAOZZ              | 02731       | 7-31 1527045-3     | • • Spacer, Sleeve (U/O P/N 7-311527008-13) .....   | 1          |
| 29                 | PAOZZ              | 02731       | 7-31 1527045-5     | • • Spacer, Sleeve (U/O P/N 7-311527008-1 1) .....  | 1          |
| 30                 | PAOZZ              | 02731       | 7-1 15127031       | • • Spacer, Drive Link (U/O P/N 7-311527008-1 1) .....  | 3          |
| 31                 | PAOZZ              | 02731       | HS5542-04007       | • • Bushing, Sleeve .....   | 1          |
| 32                 | PAOFF              | 02731       | 7-31 1527009       | • • Connecting Link, Rig .....  | 2          |
| 33                 | PAFZZ              | 02731       | 7-1 15127019       | • • • Bearing, Sleeve .....   | 2          |
| 34                 | PAFZZ              | 02731       | 7-1 15127020       | • • • Bearing, Sleeve .....   | 2          |
| 35                 | PAOZZ              | 80205       | NAS603-18P         | • • Screw, Machine .....  | 1          |
| 36                 | PAOZZ              | 88044       | AN960JD10L         | • • Washer, Flat .....  | 2          |
| 37                 | PAOZZ              | 80205       | MS21042L3          | • • Nut, Self-Locking, Ex .....   | 1          |
| 38                 | PAOZZ              | 80205       | NAS43DD3-12N       | • • Spacer, Sleeve .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-31 1527070       | • • Bracket, Mounting .....   | 1          |
| 40                 | PAODD              | 02731       | 7-31 1527038-19    | • Swashplate, Controll (See Fig. 658 for Breakdown) .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

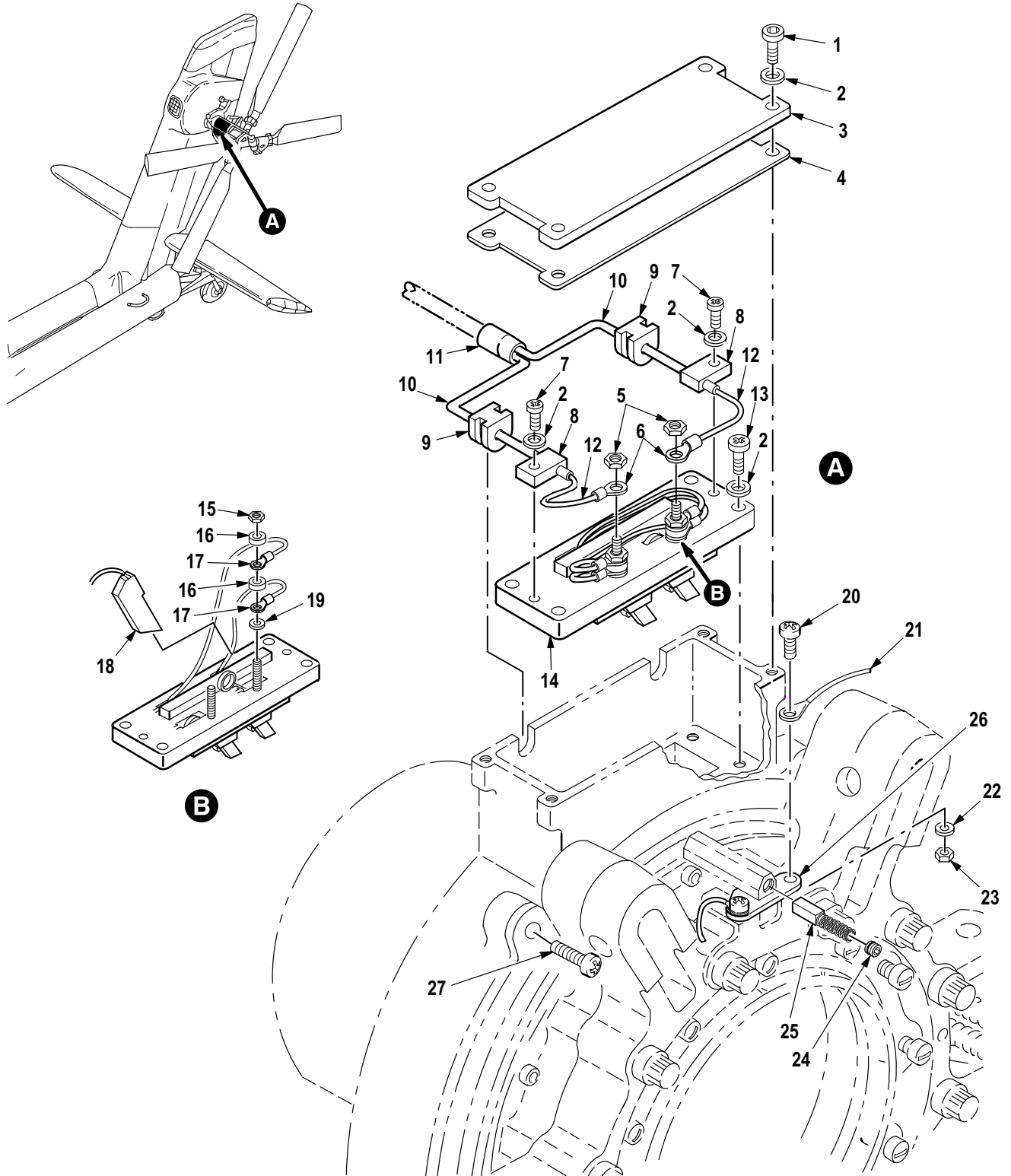


M09-1215C

Figure 657. Group 11 Pitch Control Installation, Tail Rotor (Part 2)  
7-31 1527000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 657 Pitch Control Installation,<br>Tail Rotor (Part 2)<br>7-31 1527000 |            |
| 1                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....  | 4          |
| 2                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....  | 8          |
| 3                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 8          |
| 4                  | PAOZZ              | 96906       | MS3367-1-0         | • Strap, Tiedown, Elect .....   | 20         |
| 5                  | PAOZZ              | 80205       | NAS603-10P         | • Screw, Machine .....  | 4          |
| 6                  | PAOZZ              | 18876       | 8195985            | • Clamp, Loop .....   | 4          |
| 7                  | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....  | 8          |
| 8                  | PAOZZ              | 02731       | HS5509-13-BB-3     | • Lead, Electrical .....  | 2          |
| 9                  | PAOZZ              | 02731       | HS5509-08-BB-3     | • Lead, Electrical .....  | 2          |
| 10                 | PAOZZ              | 80205       | NAS1096-3-9        | Screw, Machine .....  | 4          |
| 11                 | PAOZZ              | 88044       | AN960C10L          | Washer, Flat .....  | 4          |
| 12                 | PAOZA              | 96906       | MS21043-3          | Nut, Self-Locking, Ex .....   | 4          |
| END OF FIGURE      |                    |             |                    |   |            |



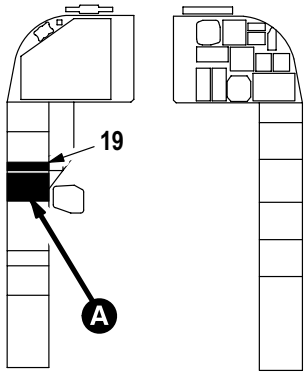
M09-1166F

Figure 658. Group 11 Swashplate, Controller  
7-31 1527038-1 9

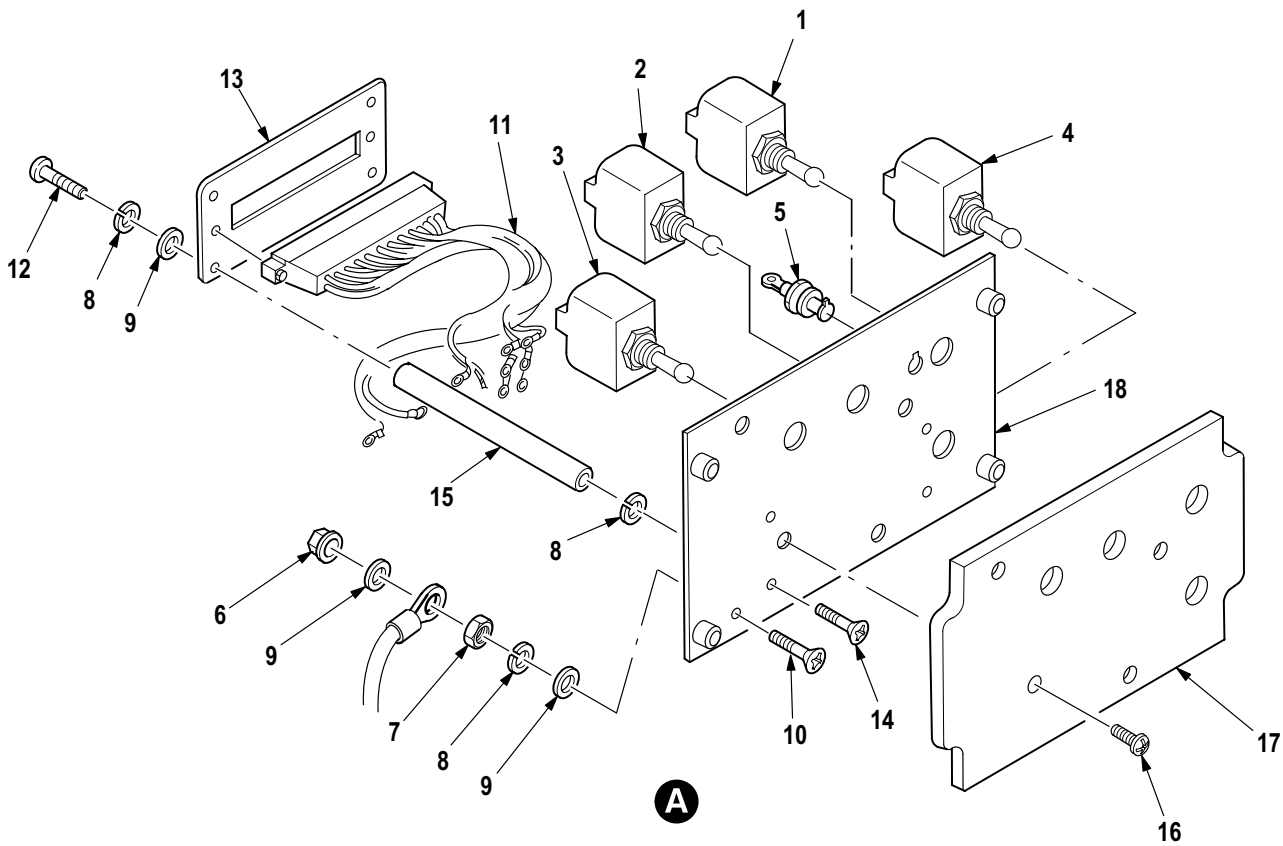
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 658 Swashplate, Controller<br>7-31 1527038-19<br>See Fig. 656 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS16997-10         | • Screw, Cap, Socket He .....  | 4          |
| 2                  | PAOZZ              | 96906       | MS15795-803        | • Washer, Flat .....   | 10         |
| 3                  | PAOZZ              | 99932       | 309117             | • Cover, Brush Block .....   | 1          |
| 4                  | PAOZZ              | 99932       | 309116             | • Gasket .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS21045-04         | • Nut, Self-Locking, He .....  | 2          |
| 6                  | PAOZZ              | 96906       | MS25036-152        | • Terminal, Lug .....  | 2          |
| 7                  | PAOZZ              | 96906       | MS35275-215        | • Screw, Machine .....   | 2          |
| 8                  | PAOZZ              | 99932       | 309129             | • Holder, Contact .....  | 2          |
| 9                  | PAOZZ              | 99932       | 309115             | • Grommet, Nonmetallic .....   | 2          |
| 10                 | PAOZZ              | 99932       | 309146-101         | • Tube ,Metallic .....   | 2          |
| 11                 | PAOZZ              | 99932       | 309146-102         | • Tube ,Metallic .....   | 1          |
| 12                 | PAOZZ              | 99932       | 309130-3           | • Lead, Electrical .....   | 2          |
| 13                 | XDOZZ              | 06540       | 6234SS0440         | • Screw, Externally Re .....   | 4          |
| 14                 | PAOFF              | 99932       | 309111             | • Holder, Electrical C .....   | 1          |
| 15                 | PAFZZ              | 96906       | MS35649-245T       | • • Nut, Plain, Hexagon .....  | 2          |
| 16                 | PAFZZ              | 99932       | 287515             | • • Spacer, Sleeve .....   | 4          |
| 17                 | PAFZZ              | 96906       | MS25036-152        | • • Terminal, Lug .....  | 4          |
| 18                 | PAFZA              | 99932       | 309109             | • • Brush, Electrical Co .....   | 4          |
| 19                 | PAFZZ              | 96906       | MS15795-503        | • • Washer, Flat .....   | 2          |
| 20                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....   | 4          |
| 21                 | PAOZZ              | 02731       | HS5509-05-BB-3     | • Lead, Electrical .....   | 4          |
| 22                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....   | 4          |
| 23                 | PAOZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....  | 4          |
| 24                 | PAOZZ              | 80205       | NAS1081C5B6        | • Setscrew .....   | 2          |
| 25                 | PAOZZ              | 8V613       | 7-31 1411010-3     | • Brush, Electrical Co .....   | 2          |
| 26                 | PAOZZ              | 02731       | 7-21 1411074       | • Holder, Electrical C .....   | 2          |
| 27                 | XDOZZ              | 80205       | NAS1202-7          | • Screw, Close Toleran .....   | 6          |
| END OF FIGURE      |                    |             |                    |  |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 659 Panel Assembly,<br>Power Distribution, Pilot<br>7-31 1A10010-7<br>See Fig. 370 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS4160-67          | • Knob . . . . .  | 2          |
| 2                  | PAFZZ              | 96906       | MS51957-29B        | • Screw, Machine . . . . .  | 8          |
| 3                  | PAOZZ              | 02731       | 7-31 1A10012-3     | • Panel, Indicating, Li . . . . .   | 1          |
| 4                  | PAFZZ              | 02731       | HS4718-GG002       | • Switch, Push . . . . .  | 1          |
| 5                  | PAFZZ              | 32245       | 99-230-6FI-8951    | • Switch, Push . . . . .  | 1          |
| 6                  | PAFZZ              | 80205       | MS21042-04         | • Nut, Self-Locking, Ex . . . . .   | 4          |
| 7                  | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat . . . . .  | 7          |
| 8                  | PAFZZ              | 96906       | MS35338-136        | • Washer, Lock . . . . .  | 3          |
| 9                  | PAFZZ              | 96906       | MS51957-15         | • Screw, Machine . . . . .  | 4          |
| 10                 | PAFZZ              | 96906       | MS24693C25         | • Screw, Machine . . . . .  | 3          |
| 11                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat . . . . .  | 2          |
| 12                 | PAFZZ              | 80205       | NAS1831A4C52       | • Post, Electrical-Mec . . . . .  | 3          |
| 13                 | PAFZZ              | 02731       | 7-31 1A20042       | • Plate, Retaining, Ele . . . . .   | 1          |
| 14                 | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl . . . . .  | 1          |
| 15                 | PAFZZ              | 02731       | 7-31 1B24614-01 1  | • Wiring Harness . . . . .  | 1          |
| 16                 | PAFZZ              | 02731       | HS4296-1           | • Switch, Rotary . . . . .  | 1          |
| 17                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex . . . . .   | 1          |
| 18                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon . . . . .   | 1          |
| 19                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock . . . . .  | 1          |
| 20                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine . . . . .  | 1          |
| 21                 | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle . . . . .  | 1          |
| 22                 | PAFZZ              | 02731       | HS4162-1001        | • Switch, Rotary . . . . .  | 1          |
| 23                 | PAFZZ              | 96906       | MS24523-22         | • Switch, Toggle . . . . .  | 2          |
| 24                 | PAFZZ              | 96906       | MS24524-22         | • Switch, Toggle . . . . .  | 1          |
| 25                 | PAFZZ              | 81349       | M8805/26-007       | • Switch, Toggle . . . . .  | 1          |
| 26                 | PAFZZ              | 96906       | MS24524-31         | • Switch, Toggle . . . . .  | 1          |
| 27                 | PAFFF              | 02731       | 7-21 1A10011       | • Panel, Support, Pilot . . . . .   | 1          |
| 28                 | PAFZZ              | 80205       | MS21075L06N        | •• Nut, Self-Locking, Pl . . . . .  | 5          |
| 29                 | PAFZZ              | 02731       | HS4148-1           | •• Stud Assembly, Turnl . . . . .   | 4          |
| END OF FIGURE      |                    |             |                    |   |            |



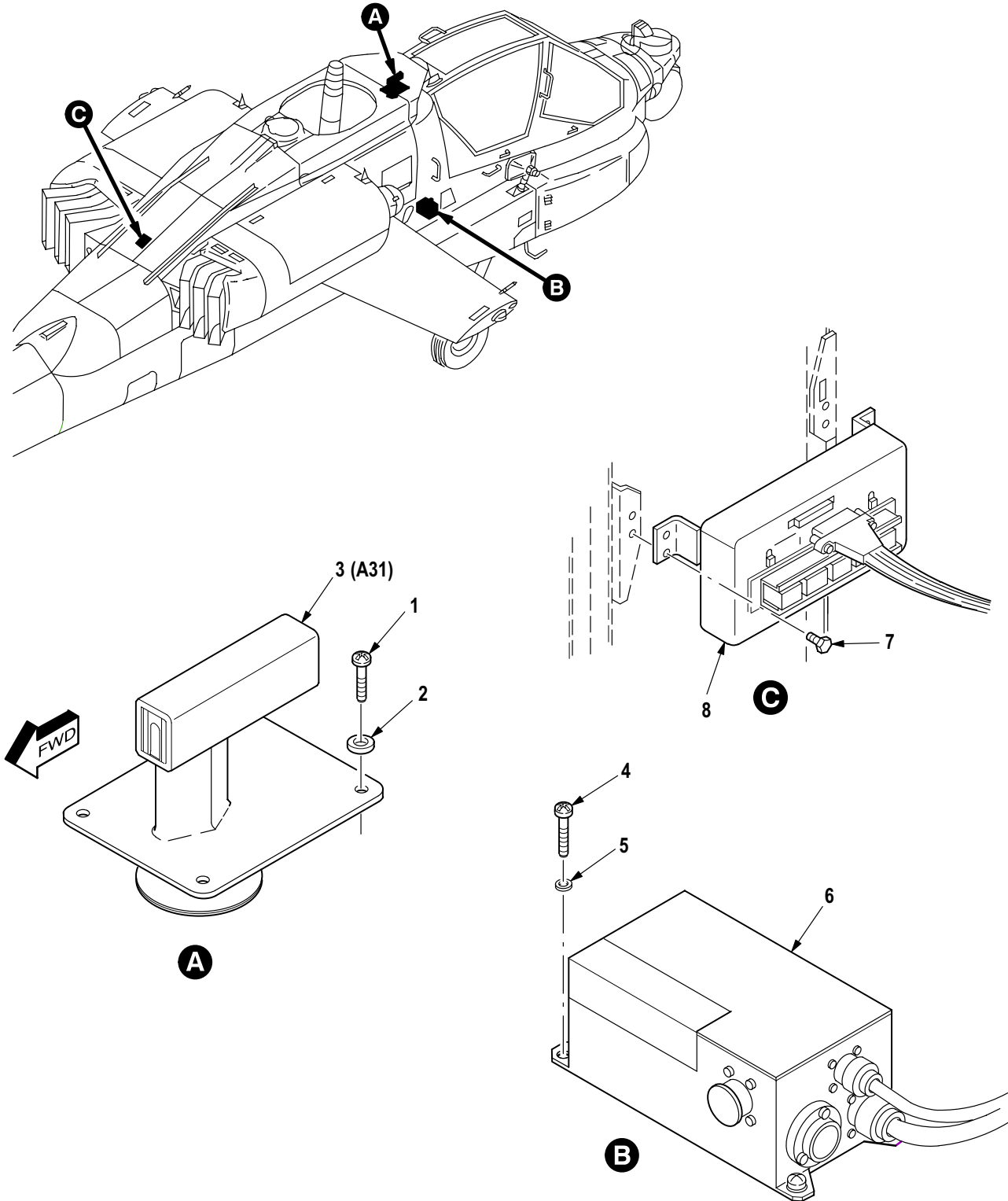
CPG STATION



M09-669B

Figure 660. Group 12 Panel Assembly, Copilot/Gunner  
7-31 1B11113

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 660 Panel Assembly,<br>Copilot/Gunner<br>7-31 1B11113<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 81349       | M8805/26-007       | • Switch, Toggle .....   | 1          |
| 2                  | PAFZZ              | 96906       | MS24524-23         | • Switch, Toggle .....   | 1          |
| 3                  | PAFZZ              | 96906       | MS24658-22G        | • Switch, Toggle .....   | 1          |
| 4                  | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle .....   | 1          |
| 5                  | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl .....   | 1          |
| 6                  | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....  | 1          |
| 7                  | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....  | 1          |
| 8                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....   | 9          |
| 9                  | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....   | 6          |
| 10                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....   | 1          |
| 11                 | PAFZZ              | 02731       | 7-31 1B24622-003   | • Wire Harness, Electr .....   | 1          |
| 12                 | PAFZA              | 80205       | NAS601-6B          | • Screw, Machine .....   | 4          |
| 13                 | PAFZZ              | 02731       | 7-31 1B11131       | • Bracket, Connector .....   | 1          |
| 14                 | PAFZZ              | 80205       | NAS514P632-6B      | • Screw, Machine .....   | 4          |
| 15                 | PAFZZ              | 80205       | NAS1786A06-56      | • Post, Electrical-Mec .....   | 4          |
| 16                 | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....   | 4          |
| 17                 | PAOZZ              | 02731       | 7-31 1B11118-3     | • Panel, Indicating .....  | 1          |
| 18                 | PAFZZ              | 02731       | 7-31 1B11114       | • Support, Panel .....   | 1          |
| 19                 | PAOZZ              | 02731       | 7-314200055        | • Panel, Blank .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

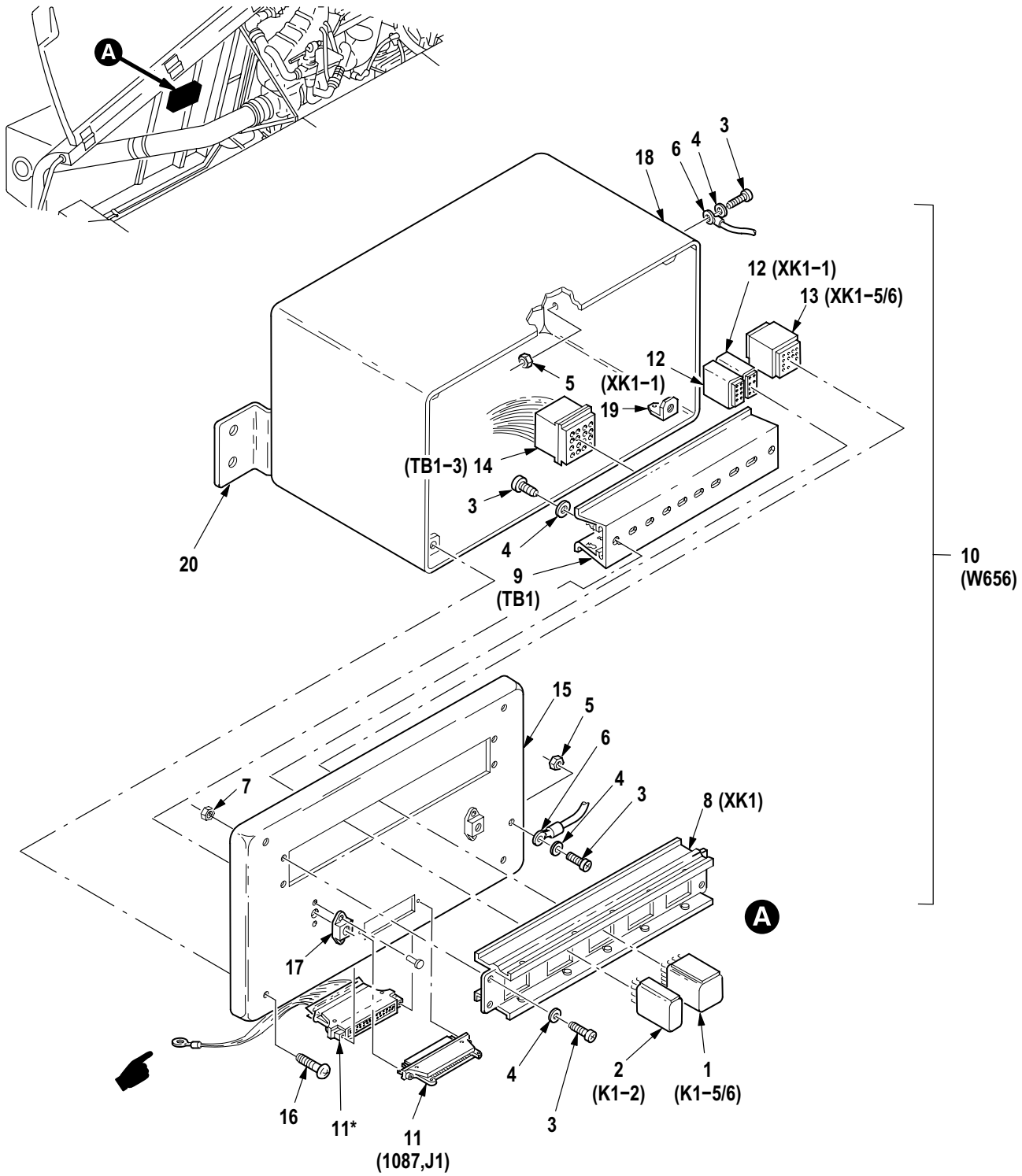


M09-960C

Figure 661. Group 12 Sensing Head Installation, Ice Detector; Controller, De-Icing; Relay Box Assembly, Engine Anti-Ice



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 661 Sensing Head Installation,<br>Ice Detector; Controller, De-Icing;<br>Relay Box Assembly, Engine Anti-Ice |            |
| 1                  | PAOZZ              | 96906       | MS51958-64         | • Screw, Machine .....  | 4          |
| 2                  | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....  | 4          |
| 3                  | PAOZZ              | 02731       | 7-21 1A11100-3     | • Switch, Thermostatic .....  | 1          |
| 4                  | PAOZZ              | 80205       | NAS603-18          | • Screw, Machine .....  | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 4          |
| 6                  | PAODD              | 02731       | 7-31 1A10023-7     | • Controller, De-Icing .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS6203-3          | • Bolt, Shear .....   | 4          |
| 8                  | PAOFF              | 02731       | 7-31 1B25159-3     | • Relay Assembly (See Fig. 662 for Breakdown) .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

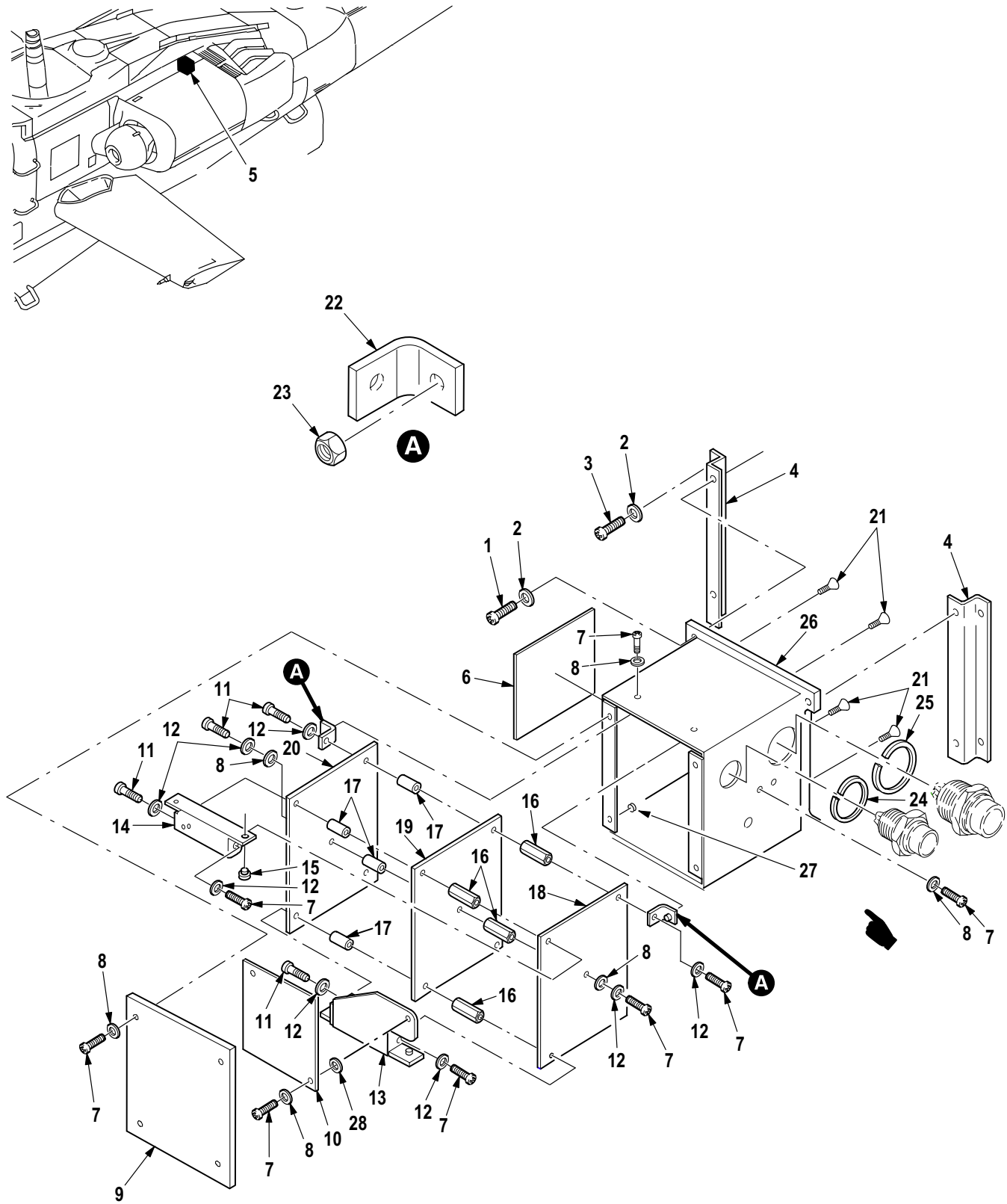


\* SUPPLIED WITH ATTACHED ITEM

M09-1139B

Figure 662. Group 12 Relay Assembly, Engine Anti-Ice  
7-31 1B25159-3

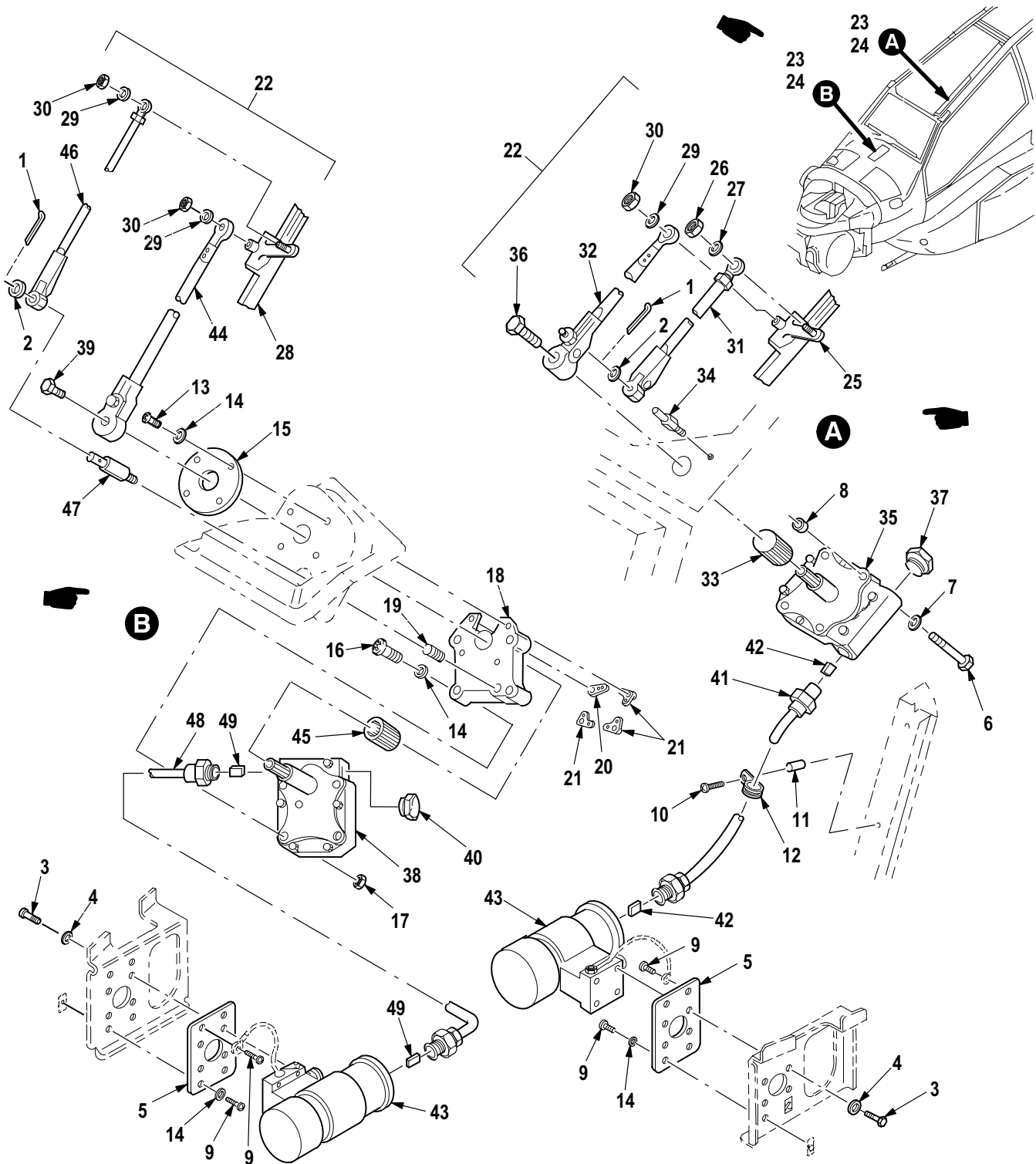
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 662 Relay Assembly, Engine Anti-Ice<br>7-31 1B25159-3<br>See Fig. 661 for NHA |            |
| 1                  | PAFZZ              | 02731       | HS4228-1 101       | • Relay, Electromagnet .....   | 1          |
| 2                  | PAFZZ              | 02731       | HS4235-1 101       | • Relay, Electromagnet .....   | 2          |
| 3                  | PAFZZ              | 80205       | NAS603-7P          | • Screw, Machine .....   | 8          |
| 4                  | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 8          |
| 5                  | PAFZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....  | 2          |
| 6                  | XDFZZ              | 81349       | M83413/8-A06BB     | • Lead, Electrical .....   | 1          |
| 7                  | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 4          |
| 8                  | PAFZZ              | 02731       | HS4785-310         | • Retainer, Socket, Plu .....  | 1          |
| 9                  | PAFZZ              | 02731       | HS4778-310         | • Rack, Electronic Jun .....   | 1          |
| 10                 | XDFFF              | 02731       | 7-31 1B24656-003   | • Wire Harness .....   | 1          |
| 11                 | MFFZZ              | 02731       | HS5239A2110        | • Connector, Receptacl .....   | 1          |
| 12                 | PAFZZ              | 02731       | HS4791-1           | • Terminal Junction B .....  | 2          |
| 13                 | PAFZZ              | 02731       | HS4791-4           | • Contact, Electrical Socket .....   | 1          |
| 14                 | PAFZZ              | 81755       | C8713-20-1 11      | • Terminal Junction B .....  | 1          |
| 15                 | XDFFF              | 02731       | 7-31 1B25158-7     | • Cover Assy, Relay Bo .....   | 1          |
| 16                 | PAFZZ              | 02731       | HS4103-10A-3       | • Screw Assembly, Pane .....   | 4          |
| 17                 | PAFZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....  | 2          |
| 18                 | XDFFF              | 02731       | 7-31 1B25158-3     | • Housing Assy, Relay .....  | 1          |
| 19                 | PAFZZ              | 02731       | HS4177-3           | • Shield, Expansion .....  | 4          |
| 20                 | PAFZZ              | 02731       | 7-31 1B25158-1 1   | • Bracket, Double Angl .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-702G

Figure 663. Group 12 Signal Processor Unit Assembly, Ice Detector

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 663 Signal Processor Unit Assembly,<br>Ice Detector |            |
| 1                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....   | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 8          |
| 3                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....   | 12         |
| 4                  | MFOZZ              | 02731       | 7-31 1A11105-9     | • Bracket, Double Angl .....   | 2          |
| 5                  | PAOFF              | 02731       | 7-21 1A11103-5     | • Signal Processor Un .....  | 1          |
| 6                  | XDFZZ              | 59885       | 00524-0312-0001    | •• Plate, Ident .....  | 1          |
| 7                  | PAFZZ              | 96906       | MS35206-214        | •• Screw, Machine .....  | 17         |
| 8                  | PAFZZ              | 80205       | NAS620-4L          | •• Washer, Flat .....  | 14         |
| 9                  | XDFZZ              | 59885       | 00524-0170-0001    | •• Cover, Access .....   | 1          |
| 10                 | PAFZZ              | 59885       | 00524-0354-0001    | •• Circuit Card Assemb .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS35206-221        | •• Screw, Machine .....  | 5          |
| 12                 | PAFZZ              | 96906       | MS35338-40         | •• Washer, Lock .....  | 10         |
| 13                 | PAFZZ              | 59885       | 00524-0347-0001    | •• Bracket, Double Angl .....  | 1          |
| 14                 | PAFZZ              | 59885       | 00524-0348-0001    | •• Bracket, Double Angl .....  | 1          |
| 15                 | PAFZZ              | 72962       | F22NCFMA2-40       | ••• Nut, Self-Locking, Cl .....  | 3          |
| 16                 | PAFZZ              | 06540       | 8110-A-0440-1B     | •• Post, Electrical-Mec .....  | 5          |
| 17                 | PAFZZ              | 06540       | 9214-A-1 15-1B     | •• Spacer, Sleeve .....  | 5          |
| 18                 | PAFZZ              | 59885       | 00524-0352-0001    | •• Circuit Card Assemb .....   | 1          |
| 19                 | PAFZZ              | 59885       | 00524-0331-0001    | •• Circuit Card Assemb .....   | 1          |
| 20                 | PAFZZ              | 59885       | 00524-0333-0001    | •• Circuit Card Assemb .....   | 1          |
| 21                 | PAFZZ              | 96906       | MS24693S3          | •• Screw, Machine .....  | 4          |
| 22                 | PAFFF              | 59885       | 00524-0166-0001    | •• Bracket, Angle .....  | 8          |
| 23                 | PAFZZ              | 72962       | F22NCFMA2-40       | ••• Nut, Self-Locking, Cl .....  | 1          |
| 24                 | PAFZZ              | 59885       | 00524-0173-0002    | •• Ring, Retaining .....   | 1          |
| 25                 | PAFZZ              | 59885       | 00524-0173-0001    | •• Ring, Retaining .....   | 1          |
| 26                 | XDFFF              | 59885       | 00524-0149-0001    | •• Housing Assembly .....  | 1          |
| 27                 | PAFZZ              | 81349       | M45938/5-3         | ••• Nut, Self-Locking, Cl .....  | 4          |
| 28                 | PAFZZ              | 04274       | C10347-0086-0205   | ••• Washer, Flat .....   | 4          |
|                    |                    |             |                    | END OF FIGURE  |            |



M09-679L

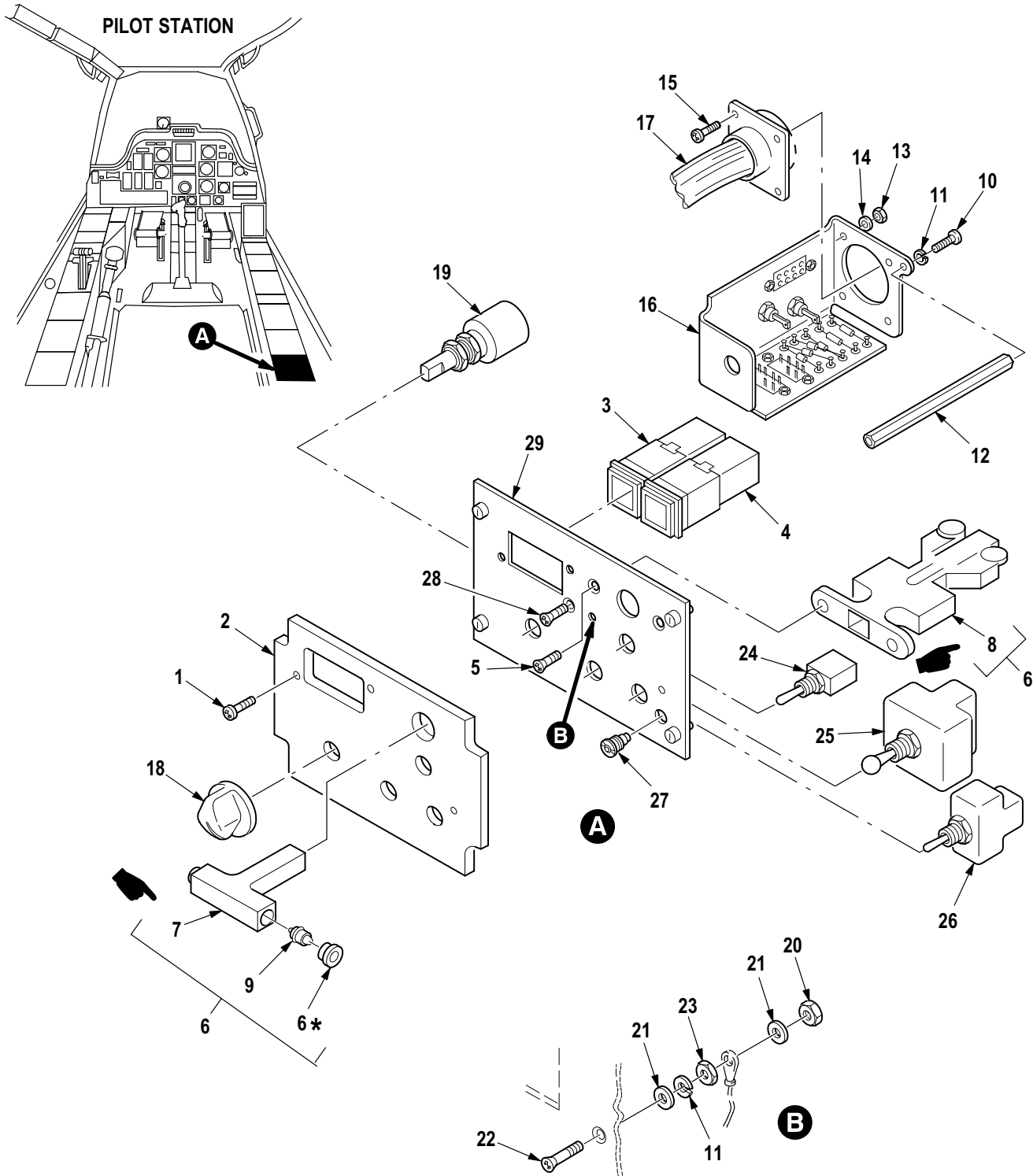
Figure 664. Group 12 Windshield Wiper Installation  
7-31 1180100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 664 Windshield Wiper Installation<br>7-31 1180100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter .....  | 2          |
| 2                  | PAOZZ              | 88044       | AN960XC416L        | • Washer, Flat .....   | 2          |
| 3                  | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....  | 8          |
| 4                  | PAOZZ              | 02731       | HS4244C4           | • Washer, Flat .....   | 8          |
| 5                  | XDOZZ              | 02731       | 7-31 1180074       | • Plate, Adapter .....   | 2          |
| 6                  | PAOZZ              | 80205       | NAS6603H24         | • Bolt, Shear .....  | 3          |
| 7                  | PAOZZ              | 02731       | HS4244C3           | • Washer, Flat .....   | 3          |
| 8                  | PAOZZ              | 80205       | NAS43DD3-19        | • Spacer, Sleeve .....   | 3          |
| 9                  | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine .....   | 8          |
| 10                 | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....   | 1          |
| 11                 | PAOZZ              | 80205       | NAS43DD3-16        | • Spacer, Sleeve .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS21919WG5         | • Clamp, Loop .....  | 2          |
| 13                 | PAOZZ              | 80205       | NAS623-3-4         | • Screw, Machine .....   | 4          |
| 14                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 20         |
| 15                 | XDOZZ              | 02731       | 7-1 11151202       | • Cover, Seal, Winshiel .....  | 1          |
| 16                 | PAOZZ              | 80205       | NAS1203-36         | • Screw, Close Toleran .....   | 4          |
| 17                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 4          |
| 18                 | XDOOO              | 02731       | 7-31 1180101-7     | • Adapter Assy, Conver .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS51830-201L       | •• Insert, Screw Thread .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS21071L3          | •• Nut, Self-Locking, Pl .....   | 1          |
| 21                 | PAOZZ              | 96906       | MS21073L3          | •• Nut, Self-Locking, Pl .....   | 3          |
| 22                 | AOOOO              | 02731       | 7-31 1180110       | • Windshield Wiper .....   | 1          |
| 23                 | PAOOO              | 59885       | 2319M-1-1          | •• Windshield Wiper Kt .....   | 1          |
| 24                 | PAOOO              | 59885       | 2319M-2-1          | •• Windshield Wiper Kt .....   | 1          |
| 25                 | PAOOO              | 59885       | 2315M-63-4         | ••• Blade, Windshield Wi (U/O P/N 2319M-2-1) .....                                 | 1          |
| 26                 | PAOZZ              | 96906       | MS21044B3          | •••• Nut, Self-Locking, He .....   | 1          |
| 27                 | XDOZZ              | 59885       | C20885-0022        | •••• Washer, Flat .....  | 1          |
| 28                 | PAOOO              | 59885       | 2315M-63-2         | ••• Blade, Wiper (U/O P/N 2319M-2-1) .....   | 1          |
| 29                 | XDOZZ              | 59885       | C20885-0022        | •••• Washer, Flat .....  | 2          |
| 30                 | PAOZZ              | 96906       | MS21044B3          | •••• Nut, Self-Locking, He .....   | 2          |
| 31                 | PBOZZ              | 59885       | 2314M-13-25        | ••• Link (U/O P/N 2319M-2-1) .....   | 1          |
| 32                 | PBOZZ              | 59885       | 2314M-10-36        | ••• Arm, Windshield Wipe (U/O P/N 2319M-2-1) .....                                 | 1          |
| 33                 | PAOZZ              | 59885       | 02314-001 1-0001   | •••• Spacer, Sleeve .....  | 1          |
| 34                 | XDOZZ              | 59885       | 02314-0015-0002    | ••• Stud, Pivot (U/O P/N 2319M-1-1) .....  | 1          |
| 35                 | PAOZZ              | 59885       | 2312M-41-14        | ••• Converter (U/O P/N 2319M-1-1) .....  | 1          |
| 36                 | PAOZZ              | 96906       | MS20073-03-04      | •••• Bolt, Machine .....   | 1          |
| 37                 | PAOZZ              | 59885       | 02312-0018-0001    | •••• Cap, Worm Gear End .....  | 1          |
| 38                 | PAOOO              | 59885       | 2312M-41-9         | ••• Converter (U/O P/N 2319M-1-1) .....  | 1          |
| 39                 | PAOZZ              | 96906       | MS20073-03-04      | •••• Bolt, Machine .....   | 1          |
| 40                 | PAOZZ              | 59885       | 02312-0018-0001    | •••• Cap, Worm Gear End .....  | 1          |
| 41                 | PAOOO              | 59885       | 2317M-2-53         | ••• Drive, Flex (U/O P/N 2319M-1-1) .....  | 1          |
| 42                 | XDOZA              | 59885       | 02317-0004-0002    | •••• Coupling, Drive Shaft .....   | 2          |
| 43                 | PAOZZ              | 59885       | 2311M-97-1         | ••• Motor (U/O P/N 2319M-1-1) .....  | 2          |
| 44                 | PBOZZ              | 59885       | 2314M-10-34        | ••• Arm (U/O P/N 2319M-2-1) .....  | 1          |
| 45                 | PAOZZ              | 59885       | 02314-001 1-0001   | •••• Spacer, Sleeve .....  | 1          |
| 46                 | PBOZZ              | 59885       | 2314M-13-22        | ••• Link (U/O P/N 2319M-2-1) .....   | 1          |
| 47                 | XDOZZ              | 59885       | 02314-0186-0001    | ••• Stud, Pivot (U/O P/N 2319M-1-1) .....  | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 48                 | PAOOO              | 59885       | 2317M-2-26         | ... Drive, Flex (U/O P/N 2319M-1-1) .....   | 1          |
| 49                 | XDOZA              | 59885       | 02317-0004-0002    | .... Coupling, Drive Shaft .....            | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



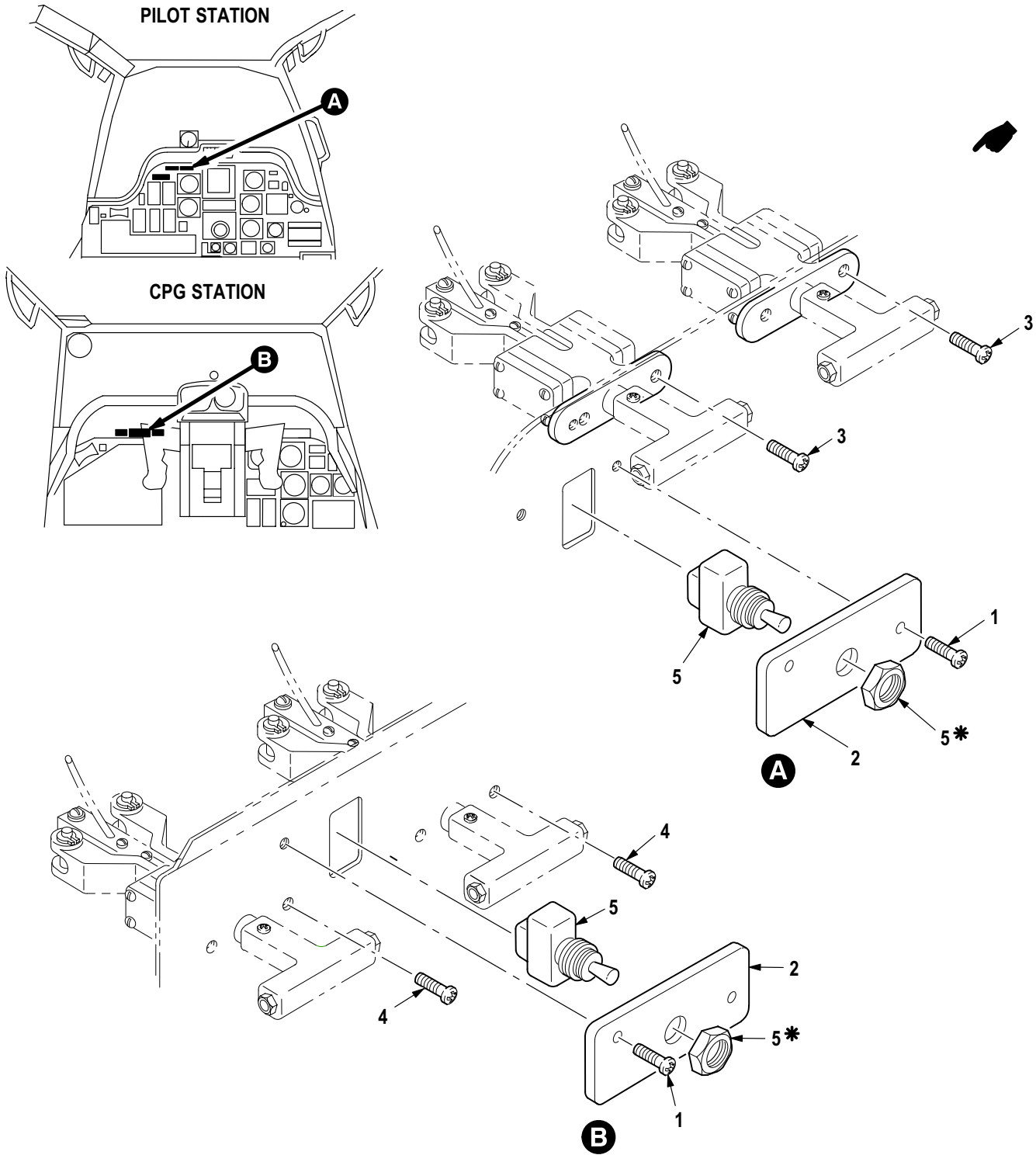




M09-831B

Figure 665. Group 12 Panel Assembly, Cockpit  
7-31 1650003-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 665 Panel Assembly, Cockpit<br>7-31 1650003-5<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....   | 3          |
| 2                  | PAOZZ              | 02731       | 7-31 1650001       | • Panel, Indicating, Li .....  | 1          |
| 3                  | PAFZZ              | 02731       | HS5351-101-01      | • Indicator, Single Le .....   | 1          |
| 4                  | PAFZZ              | 02731       | HS5351-101-02      | • Indicator, Single Le .....   | 1          |
| 5                  | PAFZZ              | 96906       | MS24693S272        | • Screw, Machine .....   | 2          |
| 6                  | PAOOO              | 02731       | HS4167-7           | • Switch, Push-Pull .....  | 1          |
| 7                  | PAOZZ              | 02731       | HS4167-3           | •• Handle, Switch .....  | 1          |
| 8                  | PAOZZ              | 02731       | HS4167-4           | •• Switch, Push-Pull .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS25237-327        | •• Lamp, Incandescent .....  | 2          |
| 10                 | PAFZZ              | 80205       | NAS601-6P          | • Screw, Machine .....   | 1          |
| 11                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....   | 2          |
| 12                 | PAFZZ              | 80205       | NAS1786A06-60      | • Post, Electrical-Mec .....   | 1          |
| 13                 | PAFZZ              | 80205       | MS21042L04         | • Nut, Self-Locking, Ex .....  | 4          |
| 14                 | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat .....   | 4          |
| 15                 | PAFZZ              | 80205       | NAS600-4P          | • Screw, Machine .....   | 4          |
| 16                 | PAFZZ              | 02731       | 7-31 1650004-5     | • Circuit Card Assemb .....  | 1          |
| 17                 | PAFZZ              | 02731       | 7-31 1B24616-007   | • Harness, Wiring .....  | 1          |
| 18                 | PAOZZ              | 02731       | HS4160-67          | • Knob .....   | 1          |
| 19                 | PAFZZ              | 02731       | HS4196-2050        | • Switch, Rotary .....   | 1          |
| 20                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....  | 1          |
| 21                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....   | 2          |
| 22                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....   | 1          |
| 23                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....  | 1          |
| 24                 | PAFZZ              | 96906       | MS90310-271        | • Switch, Toggle .....   | 1          |
| 25                 | PAFZZ              | 96906       | MS27409-2L         | • Switch, Toggle .....   | 1          |
| 26                 | PAFZZ              | 96906       | MS24523-32         | • Switch, Toggle .....   | 1          |
| 27                 | PAFZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....   | 1          |
| 28                 | PAFZZ              | 02731       | HS4717-632-6       | • Screw, Machine .....   | 1          |
| 29                 | PAFZZ              | 02731       | 7-31 1650002-5     | • Panel, Support, Auxil .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

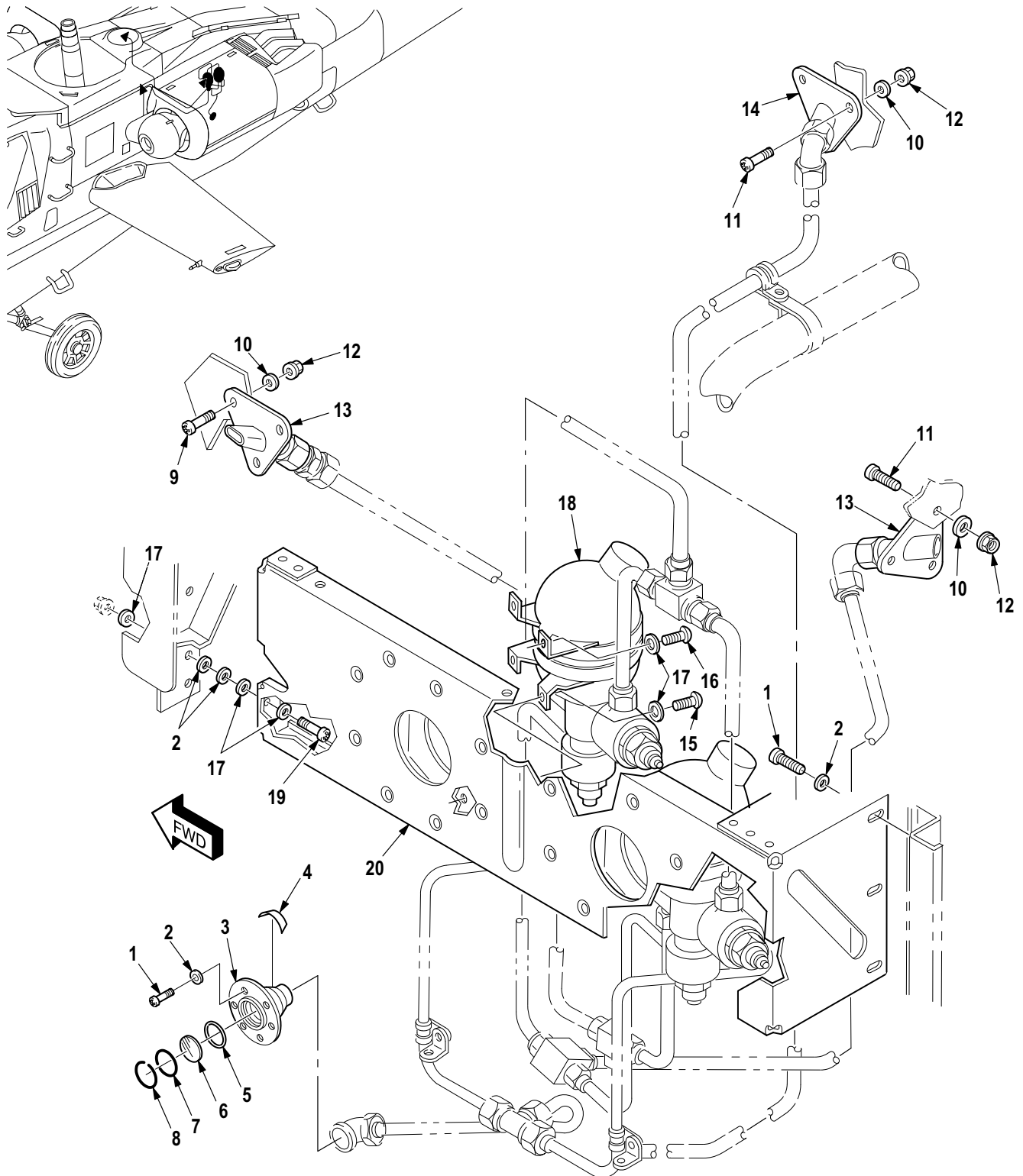


\* SUPPLIED WITH ATTACHED ITEM

M09-913H

Figure 666. Group 12 Fire Extinguishing System Installation (Cockpit Panels)  
7-31 1620010

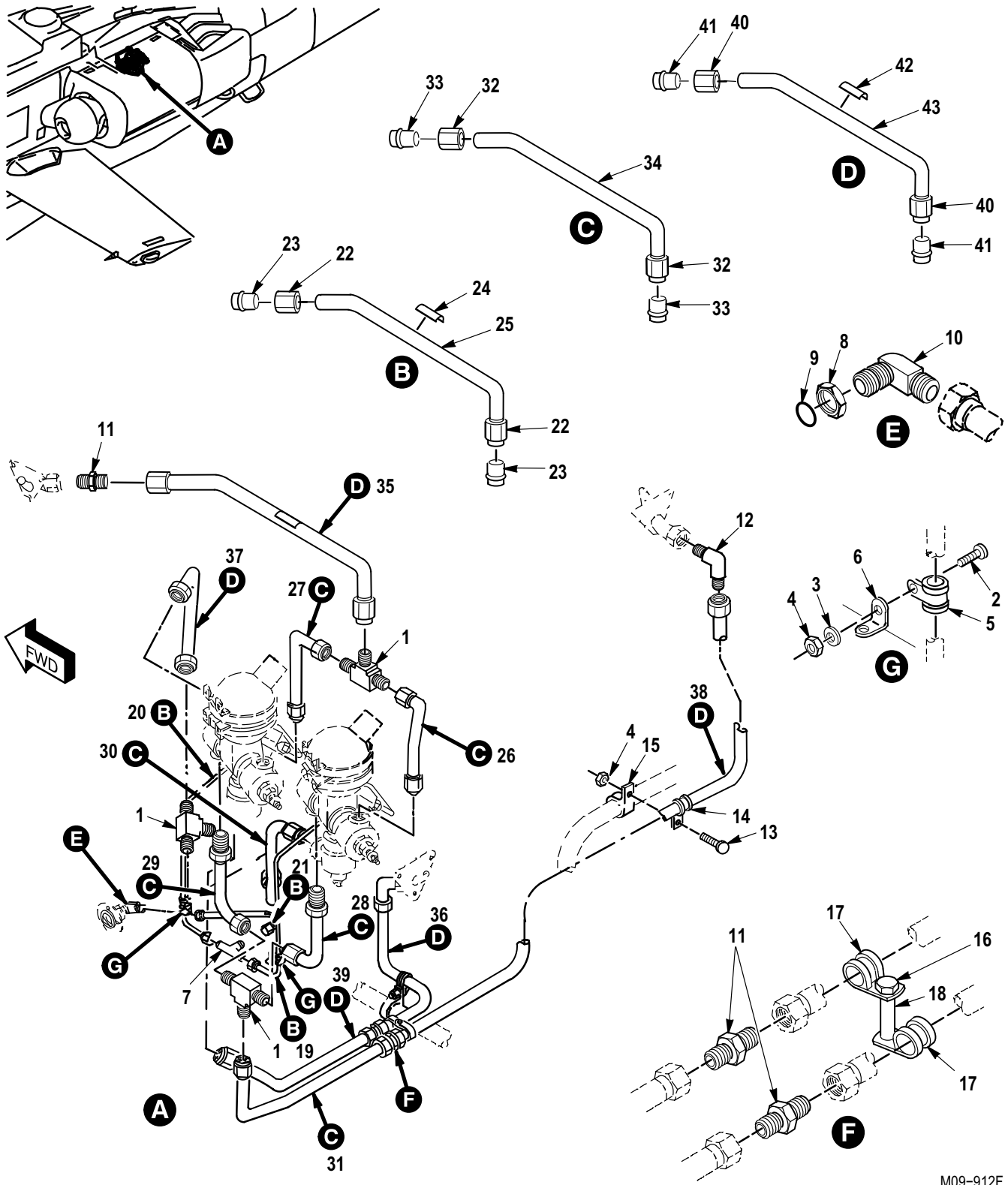
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 666 Fire Extinguishing System Installation<br>(Cockpit Panels)<br>7-31 1620010 |            |
| 1                  | PAOZZ              | 96906       | MS51957-32B        | • Screw, Machine .....  | 2          |
| 2                  | PAOZZ              | 02731       | 7-21 1622311       | • Panel, Indicating, Li .....   | 1          |
| 3                  | XDOZZ              | 96906       | MS51958-64         | • Screw, Machine .....  | 4          |
| 4                  | PAOZZ              | 96906       | MS24693-65B        | • Screw, Machine .....  | 4          |
| 5                  | PAOZZ              | 96906       | MS24523-27         | Switch, Toggle .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-911D

Figure 667. Group 12 Fire Extinguishing System Installation (Miscellaneous)  
7-311620010

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 667 Fire Extinguishing System Installation<br>(Miscellaneous)<br>7-31 1620010 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....   | 6          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 21         |
| 3                  | PAOOO              | 02731       | 7-1 17210002       | • Indicator-Thermal D .....  | REF        |
| 4                  | XDOZZ              | 05167       | 13163              | •• Decal Nameplate .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS29513-017        | •• O-Ring .....  | 1          |
| 6                  | PAOZZ              | 45402       | 13158              | •• Disk, Yellow, Indicat .....   | 1          |
| 7                  | PAOZZ              | 45402       | 13160              | •• Gasket .....  | 1          |
| 8                  | PAOZZ              | 45402       | 13157              | •• Ring, Retaining .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS51958-61         | • Screw, Machine .....   | 6          |
| 10                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....   | 9          |
| 11                 | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine .....   | 6          |
| 12                 | PAOZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....  | 12         |
| 13                 | PAOZZ              | 02731       | 7-1 17220006-1     | • Fitting .....  | 2          |
| 14                 | PAOZZ              | 02731       | 7-1 17220006-2     | • Fitting Assy .....   | 1          |
| 15                 | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....   | 7          |
| 16                 | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....   | 2          |
| 17                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....   | 16         |
| 18                 | XDOOO              | 02731       | 7-31 1B26058-601   | • Fire Extinguisher A (See Fig. 670 for Breakdown) .....   | 2          |
| 19                 | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....   | 4          |
| 20                 | PAOZZ              | 02731       | 7-1 17220001       | • Bracket, Support, Fue .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-912F

Figure 668. Group 12 Fire Extinguishing System Installation (Tubing)  
7-31 1620010



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 668 Fire Extinguishing System Installation<br>(Tubing)<br>7-31 1620010 |            |
| 1                  | PAOZZ              | 02731       | 7-1 17210003       | • Valve, Stop-Check .....   | 3          |
| 2                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....  | 7          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 21         |
| 4                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 5          |
| 5                  | PAOZZ              | 81349       | M85052/1-7         | • Clamp, Loop .....   | 2          |
| 6                  | PAOZZ              | 88044       | AN743-12           | • Bracket, Angle .....  | 2          |
| 7                  | PAOZZ              | 96906       | MS21905D4          | • Tee, Tube to Boss .....   | 1          |
| 8                  | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS28778-4          | • Packing, Preformed .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS21926-4D         | • Elbow, Tube .....   | 1          |
| 11                 | PAOZZ              | 96906       | MS21902D10         | • Nipple, Boss .....  | 3          |
| 12                 | PAOZZ              | 96906       | MS21904D10         | • Elbow, Tube .....   | 2          |
| 13                 | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....  | 1          |
| 14                 | PAOZZ              | 02731       | HS4501D10NB        | • Clamp, Loop .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WCJ24       | • Clamp, Loop .....   | 1          |
| 16                 | PAOZZ              | 80205       | NAS1403-23         | • Screw, Machine .....  | 1          |
| 17                 | PAOZZ              | 02731       | HS4501D10NB        | • Clamp, Loop .....   | 2          |
| 18                 | PAOZZ              | 80205       | NAS43DD3-77N       | • Spacer, Sleeve .....  | 1          |
| 19                 | MFOFF              | 02731       | 7-31 1620501       | • Tube Assy .....   | 1          |
| 20                 | MFOFF              | 02731       | 7-31 1620502       | • Tube Assy .....   | 1          |
| 21                 | MFOFF              | 02731       | 7-31 1620514-7     | • Tube Assy .....   | 1          |
| 22                 | PAFZZ              | 96906       | MS21921D4          | • Nut, Tube Coupling .....  | 2          |
| 23                 | PAFZZ              | 96906       | MS21922-4          | • Sleeve, Clinch, Tube .....  | 2          |
| 24                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio .....  | 1          |
| 25                 | MFFZZ              | 02731       | 7-31 1620501-3     | • Tube (U/O P/N 7-311620501) .....  | 1          |
| 25                 | MFFZZ              | 02731       | 7-31 1620502-3     | • Tube (U/O P/N 7-311620502) .....  | 1          |
| 25                 | MFFZZ              | 02731       | 7-31 1620514-5     | • Tube (U/O P/N 7-311620514-7) .....  | 1          |
| 26                 | PAOOO              | 02731       | 7-31 1620503       | • Tube Assembly, Metal .....  | 1          |
| 27                 | PAOOO              | 02731       | 7-31 1620504       | • Tube Assembly, Metal .....  | 1          |
| 28                 | PAOOO              | 02731       | 7-31 1620506       | • Tube Assembly, Metal .....  | 1          |
| 29                 | PAOOO              | 02731       | 7-31 1620507       | • Tube Assembly, Metal .....  | 1          |
| 30                 | PAOOO              | 02731       | 7-31 1620510       | • Tube Assembly, Metal .....  | 1          |
| 31                 | PAOOO              | 02731       | 7-31 1620512       | • Tube Assembly, Metal .....  | 1          |
| 32                 | PAOZZ              | 96906       | MS21921D10         | • Nut, Tube Coupling .....  | 2          |
| 33                 | PAOZZ              | 96906       | MS21922-10         | • Sleeve, Clinch, Tube .....  | 2          |
| 34                 | XAOZZ              | 02731       | 7-31 1620503-3     | • Tube (U/O P/N 7-311620503) .....  | 1          |
| 34                 | XAOZZ              | 02731       | 7-31 1620504-3     | • Tube (U/O P/N 7-311620504) .....  | 1          |
| 34                 | XAOZZ              | 02731       | 7-31 1620506-3     | • Tube (U/O P/N 7-311620506) .....  | 1          |
| 34                 | XAOZZ              | 02731       | 7-31 1620507-3     | • Tube (U/O P/N 7-311620507) .....  | 1          |
| 34                 | XAOZZ              | 02731       | 7-31 1620510-3     | • Tube (U/O P/N 7-311620510) .....  | 1          |
| 34                 | XAOZZ              | 02731       | 7-31 1620512-3     | • Tube (U/O P/N 7-311620512) .....  | 1          |
| 35                 | PAOOO              | 02731       | 7-31 1620505       | • Tube Assembly, Metal .....  | 1          |
| 36                 | PAOOO              | 8V613       | 7-31 1620515-1     | • Tube Assembly, Metal .....  | 1          |
| 37                 | PAOOO              | 02731       | 7-31 1620509       | • Tube Assembly, Metal .....  | 1          |
| 38                 | PAOOO              | 02731       | 7-31 1620511       | • Tube Assembly, Metal .....  | 1          |
| 39                 | PAOOO              | 02731       | 7-31 1620513       | • Tube Assembly, Metal .....  | 1          |
| 40                 | PAOZZ              | 96906       | MS21921D10         | • Nut, Tube Coupling .....  | 2          |
| 41                 | PAOZZ              | 96906       | MS21922-10         | • Sleeve, Clinch, Tube .....  | 2          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 42                 | XDOZZ              | 02731       | HS4367-2           | •• Plate, Identificatio .....               | 1          |
| 43                 | XAOZZ              | 02731       | 7-31 1620505-3     | •• Tube (U/O P/N 7-311620505) .....         | 1          |
| 43                 | XAOZZ              | 02731       | 7-31 1620509-3     | •• Tube (U/O P/N 7-311620509) .....         | 1          |
| 43                 | XAOZZ              | 02731       | 7-31 1620511-3     | •• Tube (U/O P/N 7-311620511) .....         | 1          |
| 43                 | XAOZZ              | 02731       | 7-31 1620513-3     | •• Tube (U/O P/N 7-311620513) .....         | 1          |
| 43                 | XAOZZ              | 8V613       | 7-31 1620515-3     | •• Tube (U/O P/N 7-311620515-1) .....       | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



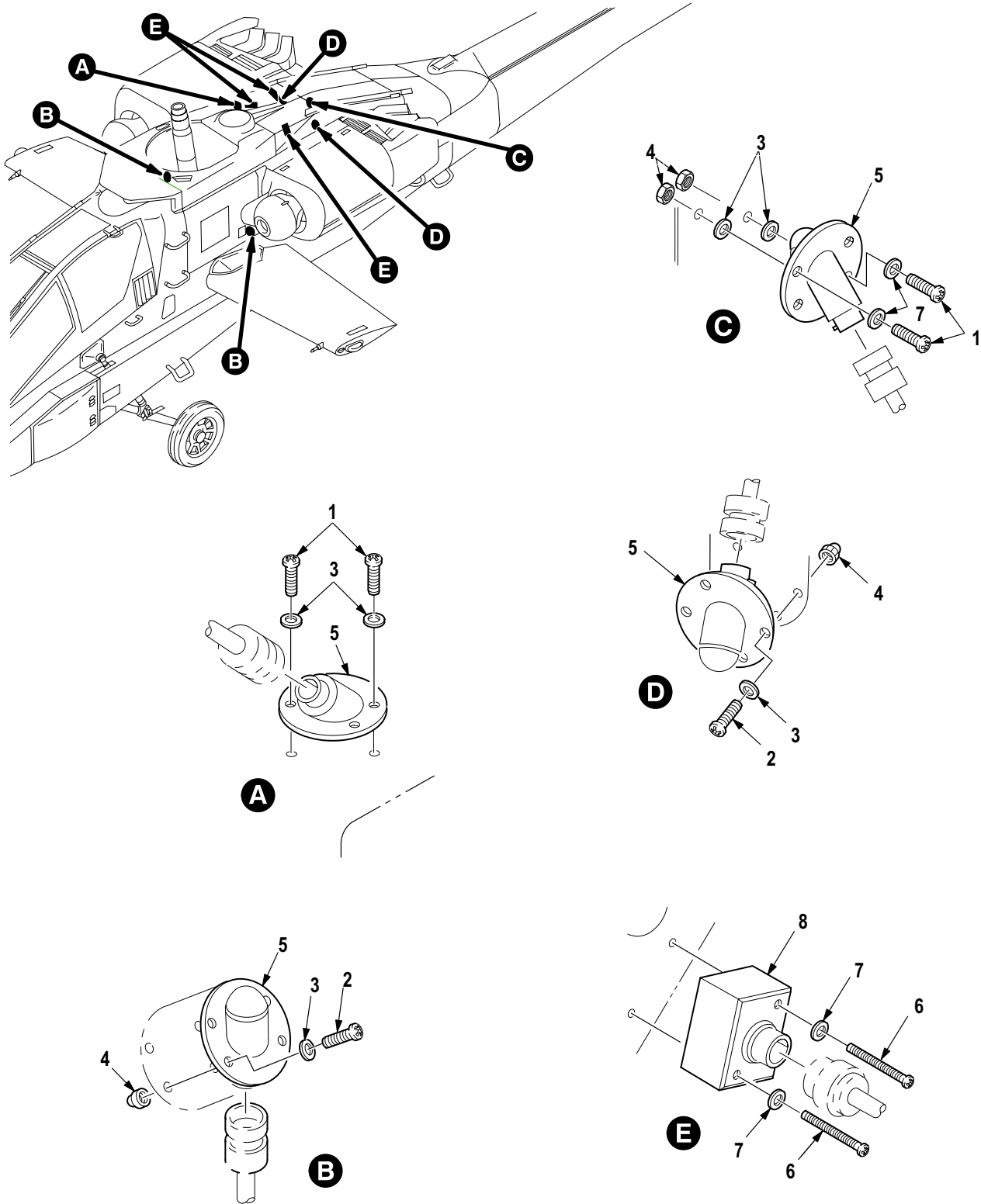


Figure 669. Group 12 Fire Extinguishing System Installation (Detectors and Amplifiers)  
7-31 1620010

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 669 Fire Extinguishing System Installation<br>(Detectors and Amplifiers)<br>7-31 1620010 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 4          |
| 2                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....  | 8          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 12         |
| 4                  | PAOZZ              | 96906       | MS21045-3          | • Nut, Self-Locking, He .....   | 18         |
| 5                  | PAOZZ              | 02731       | 7-1 17210034       | • Detector, Flame .....   | 6          |
| 6                  | PAOZZ              | 96906       | MS27039-0828       | • Screw, Machine .....  | 6          |
| 7                  | PAOZZ              | 88044       | AN960JD8L          | • Washer, Flat .....  | 6          |
| 8                  | PAOZZ              | 02731       | 7-1 17210030       | • Control, Amplifier .....  | 3          |
| END OF FIGURE      |                    |             |                    |   |            |

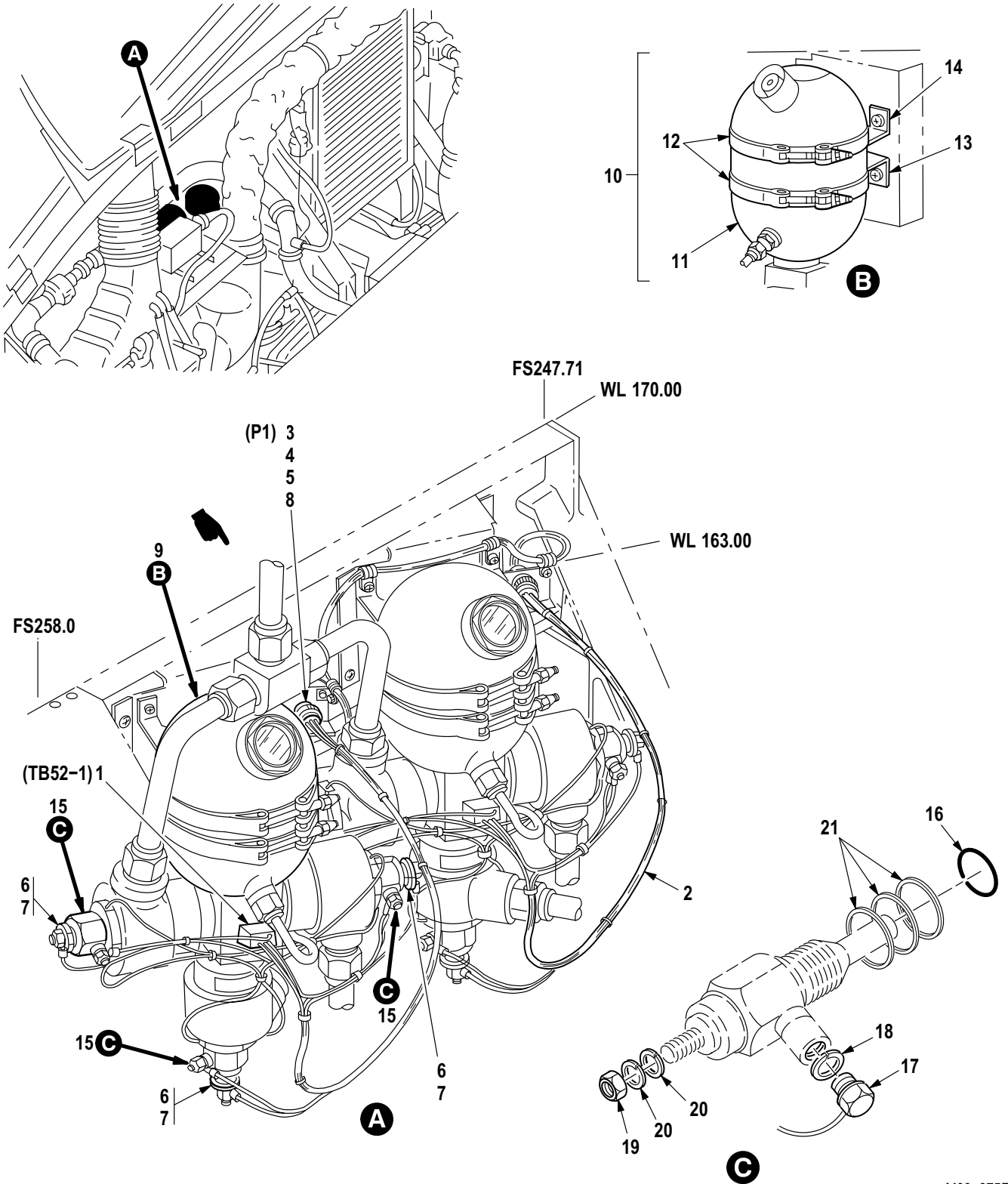


Figure 670. Group 12 Fire Extinguisher, Aircraft 7-31 1B26058-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 670 Fire Extinguisher, Aircraft<br>7-31 1B26058-601<br>See Fig. 667 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS4737-2004        | • Contact Assembly, EI Module .....  | 1          |
| 2                  | XDOOO              | 02731       | 7-31 1B24221-009   | • Wire Harness .....   | 1          |
| 3                  | PAOZA              | 81349       | M83723/76W1005N    | •• Connector, Plug, Elec .....   | 1          |
| 4                  | PAOZZ              | 02731       | HS5003-0706        | •• Adapter, Cable Clamp .....  | 1          |
| 5                  | PAOZZ              | 06090       | D-106-1012         | •• Splice, Conductor .....   | 1          |
| 6                  | PAOZZ              | 96906       | MS25036-102        | •• Terminal, Lug .....   | 3          |
| 7                  | PAOZZ              | 96906       | MS25036-149        | •• Terminal, Lug .....   | 1          |
| 8                  | PAOZZ              | 81349       | M85049/31-10A      | •• Adapter, Cable Clamp .....  | 1          |
| 9                  | AOOOO              | 02731       | 7-1 17210004-3     | • Extinguisher, Fire .....   | 1          |
| 10                 | PAODD              | 45402       | 30205000-2         | •• Extinguisher, Fire .....  | 1          |
| 11                 | XAODD              | 05167       | 39040349-2         | ••• Extinguisher, Aircra .....   | 1          |
| 12                 | XDOZZ              | 96906       | MS21920-36         | •••• Clamp, Hose .....   | 2          |
| 13                 | PAOZZ              | 45402       | 13265              | •••• Clip, Spring Tension .....  | 2          |
| 14                 | PAOZZ              | 02731       | HS5032-0003        | •••• Bracket, Angle .....  | 2          |
| 15                 | PAOOO              | 30003       | 1512AS105          | •• Cartridge, Aircraft .....   | 3          |
| 16                 | PAOZZ              | 96906       | MS28778-5          | ••• O-Ring .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1802-08-5       | ••• Screw, Machine .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS35333-72         | ••• Washer, Lock .....   | 2          |
| 19                 | PAOZZ              | 80205       | MS21044C06         | ••• Nut, Self-Locking, He .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS35333-71         | ••• Washer, Lock .....   | 2          |
| 21                 | PAOZZ              | 86928       | 5710-95-5          | •• Shim .....  | 3          |
| END OF FIGURE      |                    |             |                    |  |            |

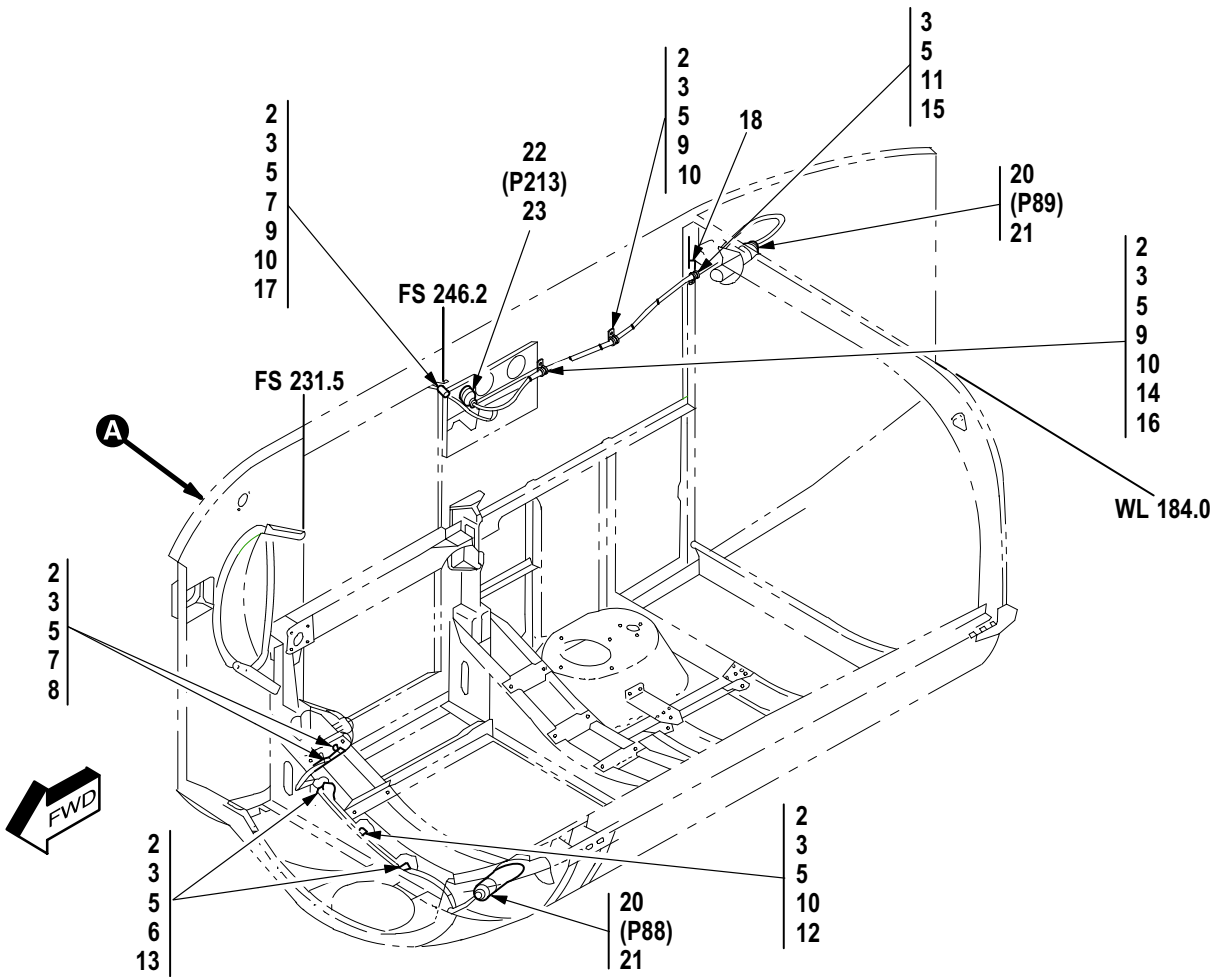
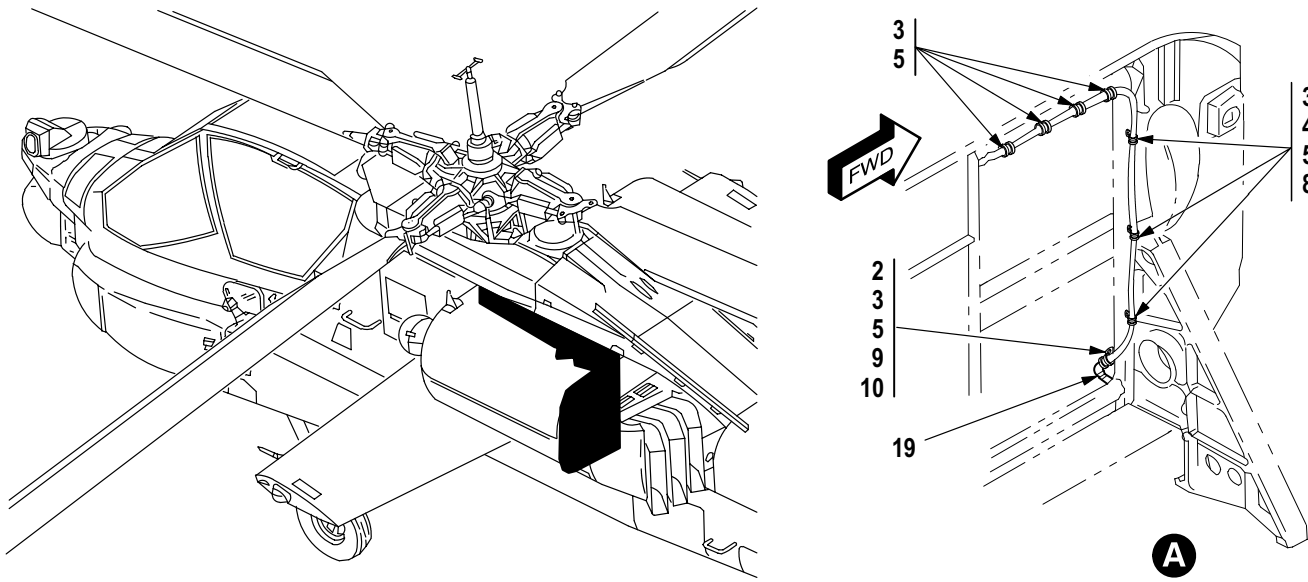
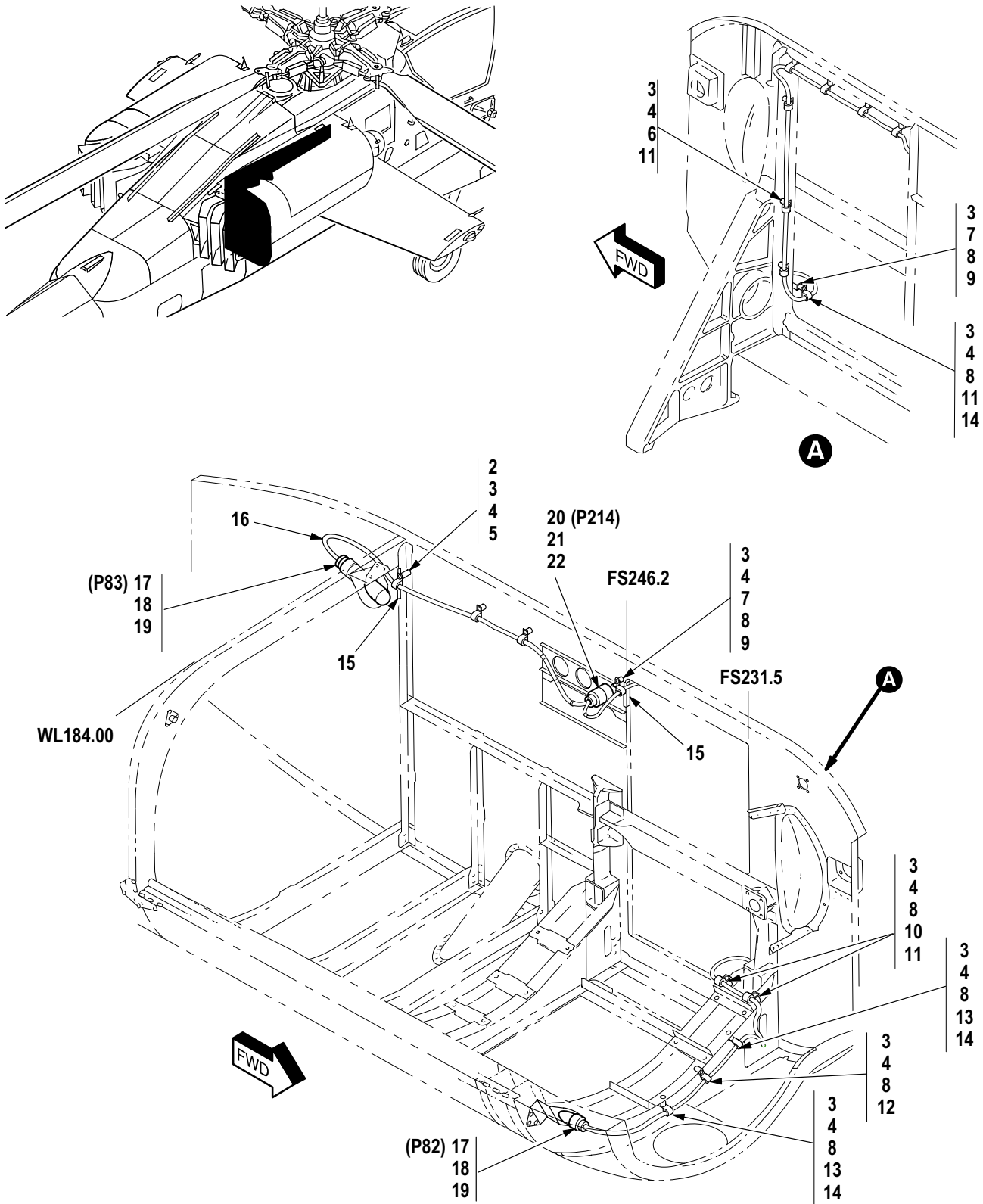


Figure 671. Group 12 Wiring Installation, LH Nacelle Fire Sensors



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 671 Wiring Installation,<br>LH Nacelle Fire Sensors |            |
| 1                  | XCOOO              | 02731       | 7-31 1B26044       | • Wire Instl (Not Illustrated-Installation Drawing) .....                            | 1          |
| 2                  | PAOZZ              | 80205       | MS21042L3          | •• Nut, Self-Locking, Ex .....   | 12         |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....  | 22         |
| 4                  | PAOZZ              | 96906       | MS51958-65         | •• Screw, Machine .....  | 7          |
| 5                  | PAOZZ              | 96906       | MS21919WH2         | •• Clamp, Loop .....   | 17         |
| 6                  | PAOZZ              | 80205       | NAS43DD3-24N       | •• Spacer, Sleeve .....  | 2          |
| 7                  | PAOZZ              | 96906       | MS51958-64         | •• Screw, Machine .....  | 3          |
| 8                  | PAOZZ              | 80205       | NAS43DD3-16        | •• Spacer, Sleeve .....  | 10         |
| 9                  | PAOZZ              | 96906       | MS51958-63         | •• Screw, Machine .....  | 6          |
| 10                 | PAOZZ              | 88044       | AN743Z12           | •• Bracket, Angle .....  | 5          |
| 11                 | PAOZZ              | 96906       | MS51958-68         | •• Screw, Machine .....  | 1          |
| 12                 | PAOZZ              | 96906       | MS51958-62         | •• Screw, Machine .....  | 2          |
| 13                 | PAOZZ              | 96906       | MS51958-66         | •• Screw, Machine .....  | 2          |
| 14                 | PAOZZ              | 96906       | MS51958-67         | •• Screw, Machine .....  | 1          |
| 15                 | PAOZZ              | 80205       | NAS43DD3-48        | •• Spacer, Sleeve .....  | 1          |
| 16                 | PAOZZ              | 80205       | NAS43DD3-32N       | •• Spacer, Sleeve .....  | 1          |
| 17                 | PAOZZ              | 80205       | NAS43DD3-8N        | •• Spacer, Sleeve .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS21266-1N         | •• Grommet, Nonmetallic .....  | V          |
| 19                 | XCOOO              | 02731       | 7-31 1B24149-003   | • Wire Harness W149 .....  | 1          |
| 20                 | XDOZZ              | 96906       | MS3476W10-6S       | •• Connector, Plug, Elec .....   | 2          |
| 21                 | XDOZZ              | 81349       | M85049/31-10A      | •• Adapter, Cable Clamp .....  | 2          |
| 22                 | PAOZZ              | 81349       | M83723/96W1212N    | •• Connector, Plug, Elec .....   | 1          |
| 23                 | PAOZZ              | 81349       | M85049/31-12A      | •• Adapter, Cable Clamp .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-857E

Figure 672. Group 12 Wiring Installation, RH Nacelle Fire Sensors

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 672 Wiring Installation,<br>RH Nacelle Fire Sensors |            |
| 1                  | XCOOO              | 02731       | 7-31 1B26045       | • Wire Instl (Not Illustrated-Installation Drawing) .....                            | 1          |
| 2                  | PAOZZ              | 96906       | MS51958-68         | •• Screw, Machine .....  | 1          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....  | 20         |
| 4                  | PAOZZ              | 96906       | MS21919WH2         | •• Clamp, Loop .....   | 17         |
| 5                  | PAOZZ              | 80205       | NAS43DD3-48        | •• Spacer, Sleeve .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS51958-65         | •• Screw, Machine .....  | 10         |
| 7                  | PAOZZ              | 96906       | MS51958-63         | •• Screw, Machine .....  | 2          |
| 8                  | PAOZZ              | 80205       | MS21042L3          | •• Nut, Self-Locking, Ex .....   | 10         |
| 9                  | PAOZZ              | 88044       | AN743Z12           | •• Bracket, Angle .....  | 3          |
| 10                 | PAOZZ              | 96906       | MS51958-64         | •• Screw, Machine .....  | 2          |
| 11                 | PAOZZ              | 80205       | NAS43DD3-16        | •• Spacer, Sleeve .....  | 13         |
| 12                 | PAOZZ              | 96906       | MS51958-62         | •• Screw, Machine .....  | 2          |
| 13                 | PAOZZ              | 80205       | NAS43DD3-24N       | •• Spacer, Sleeve .....  | 2          |
| 14                 | PAOZZ              | 96906       | MS51958-66         | •• Screw, Machine .....  | 3          |
| 15                 | PAOZZ              | 96906       | MS21266-1N         | •• Grommet, Nonmetallic .....  | V          |
| 16                 | XCOOO              | 02731       | 7-31 1B24164-003   | • Wire Harness .....   | 1          |
| 17                 | XDOZZ              | 96906       | MS3476W10-6S       | •• Connector, Plug, Elec .....   | 2          |
| 18                 | XDOZZ              | 81349       | M85049/31-10A      | •• Adapter, Cable Clamp .....  | 2          |
| 19                 | PAOZZ              | 81349       | M39029/5-1 15      | •• Contact, Electrical .....   | 12         |
| 20                 | PAOZZ              | 81349       | M83723/96W1212N    | •• Connector, Plug, Elec .....   | 1          |
| 21                 | PAOZZ              | 81349       | M85049/31-12A      | •• Adapter, Cable Clamp .....  | 1          |
| 22                 | PAOZZ              | 81349       | M39029/4-1 10      | •• Contact, Electrical .....   | 12         |
| END OF FIGURE      |                    |             |                    |  |            |

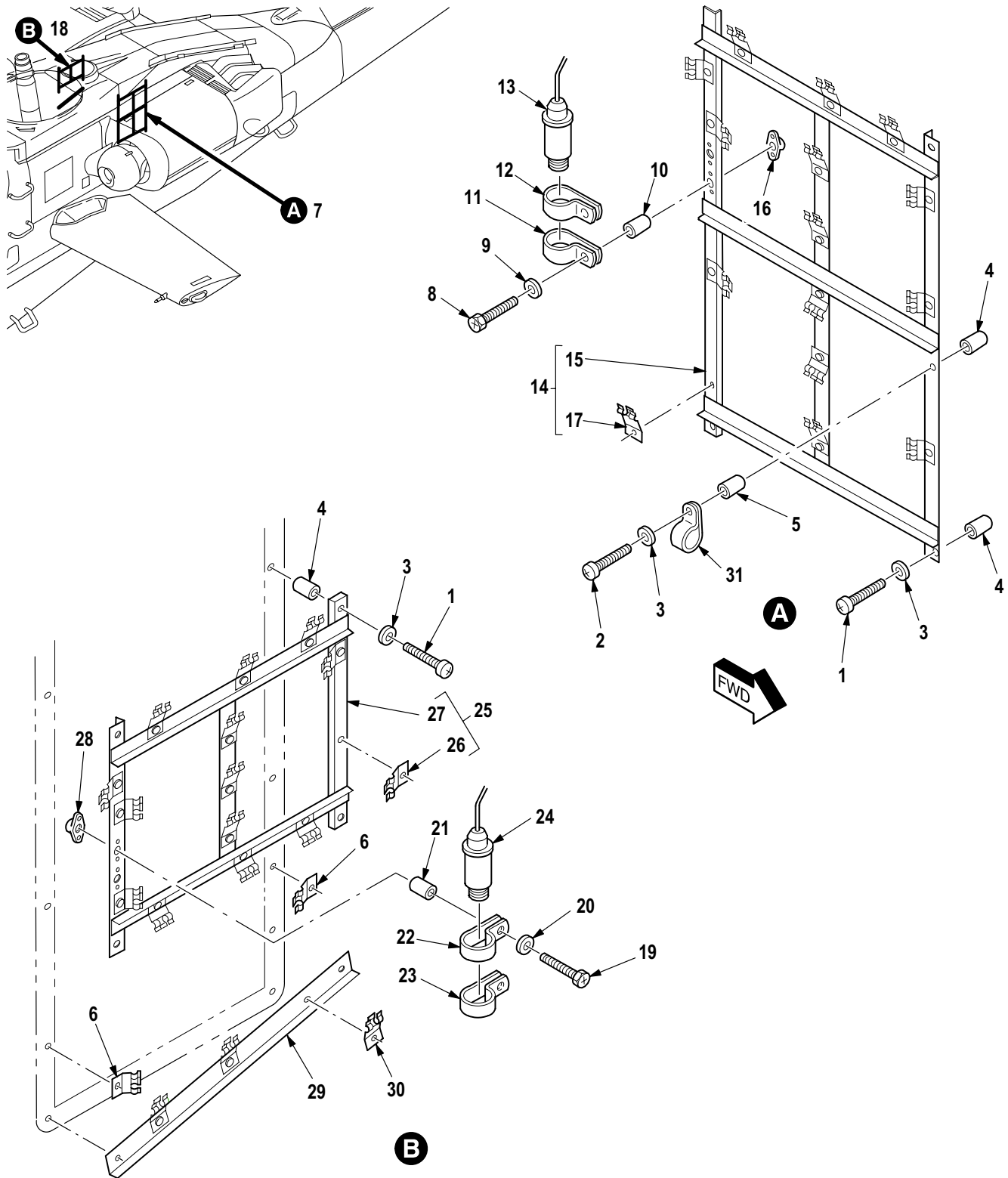
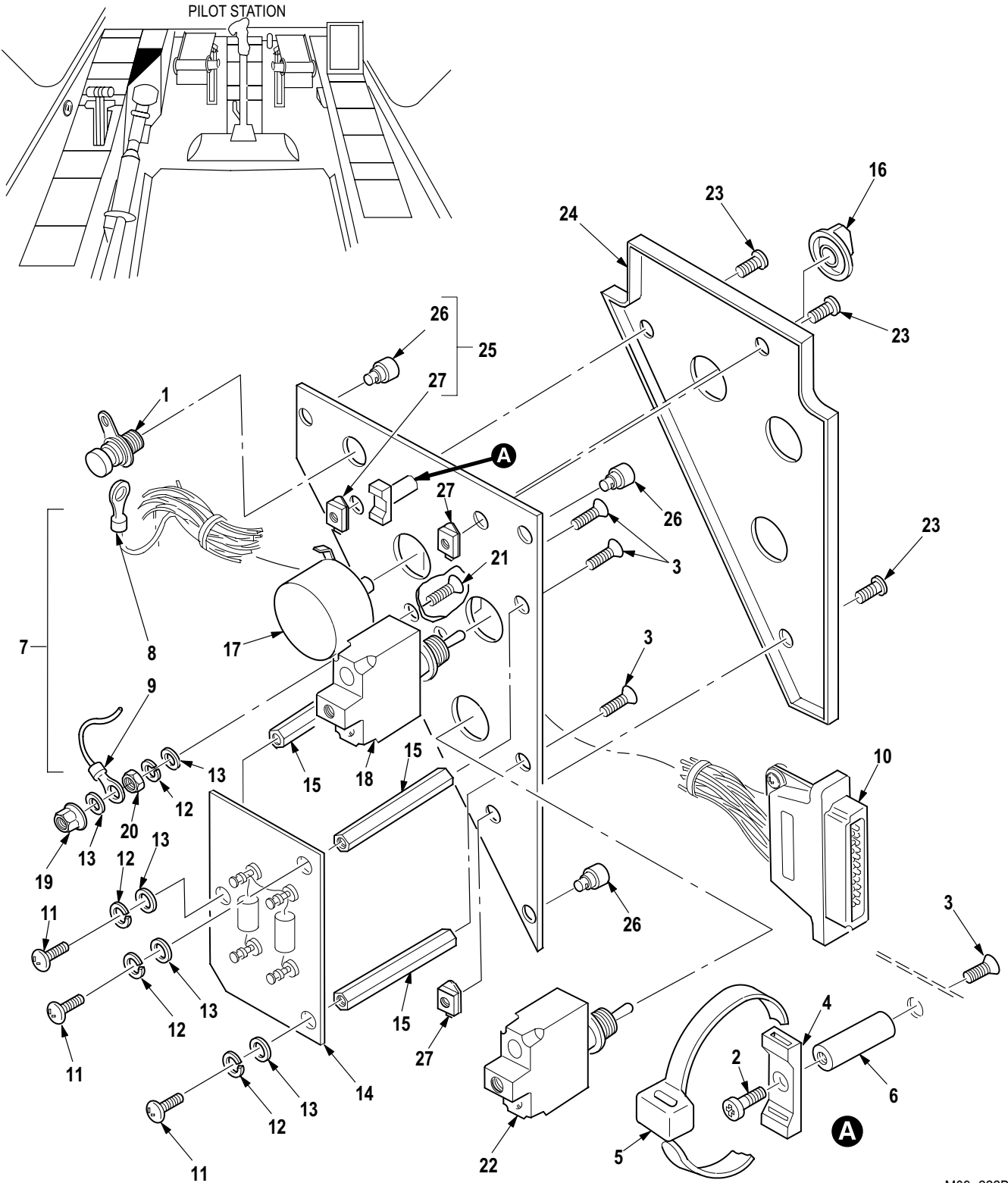


Figure 673. Group 12 Fire/Overheat Detector and Frame Installation, Engine Firewall Louver

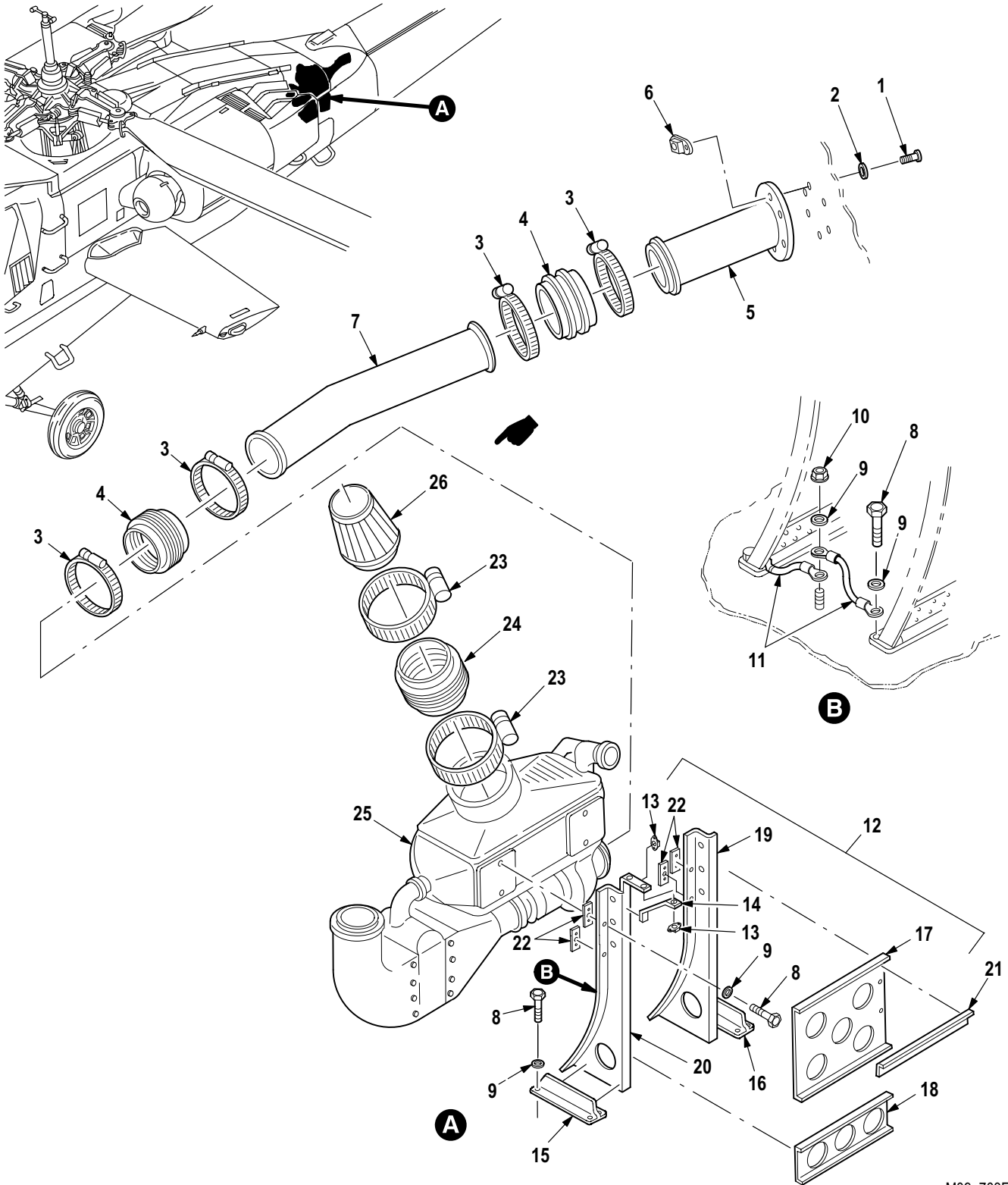
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 673 Fire/Overheat Detector and<br>Frame Installation, Engine Firewall Louver |            |
| 1                  | PAOZZ              | 96906       | MS51958-71         | • Screw, Machine .....  | 11         |
| 2                  | PAOZZ              | 96906       | MS51958-72         | • Screw, Machine .....  | 1          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 78         |
| 4                  | PAOZZ              | 80205       | NAS43HT3-24        | • Spacer, Sleeve .....  | 12         |
| 5                  | PAOZZ              | 80205       | NAS43HT3-8         | • Spacer, Sleeve .....  | 1          |
| 6                  | PAOZZ              | 02731       | HS5530-0003        | • Clip, Spring Tension .....  | 2          |
| 7                  | PAOOO              | 02731       | 7-31 1650009       | • Bracket, Mounting LH .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS1096-3-24       | •• Screw, Machine .....   | 2          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....   | 2          |
| 10                 | PAOZZ              | 80205       | NAS43HT3-64        | •• Spacer, Sleeve .....   | 2          |
| 11                 | PAOZZ              | 81349       | M85052/1-16        | •• Clamp, Loop .....  | 1          |
| 12                 | PAOZZ              | 96906       | MS21333-13         | •• Clamp, Loop .....  | 1          |
| 13                 | PAOZZ              | 02731       | 7-31 1650006       | •• Sensing Element, Fir .....   | 1          |
| 14                 | XDOOO              | 02731       | 7-31 1650008       | •• Frame, Fire Detector .....   | 1          |
| 15                 | XDOOO              | 02731       | 7-31 1650008-7     | ••• Frame .....   | 1          |
| 16                 | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, PI .....  | 2          |
| 17                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....  | 15         |
| 18                 | AOOOO              | 02731       | 7-31 1650011       | • Frame Assembly RH .....   | 1          |
| 19                 | PAOZZ              | 80205       | NAS1096-3-16       | •• Screw, Machine .....   | 2          |
| 20                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....   | 2          |
| 21                 | PAOZZ              | 80205       | NAS43HT3-48        | •• Spacer, Sleeve .....   | 2          |
| 22                 | PAOZZ              | 96906       | MS21333-13         | •• Clamp, Loop .....  | 1          |
| 23                 | PAOZZ              | 81349       | M85052/1-16        | •• Clamp, Loop .....  | 1          |
| 24                 | PAOZZ              | 02731       | 7-31 1650006       | •• Sensing Element, Fir .....   | 1          |
| 25                 | PAOOO              | 02731       | 7-31 1650010       | •• Bracket, Mounting .....  | 1          |
| 26                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....  | 14         |
| 27                 | XAOOO              | 02731       | 7-31 1650010-9     | ••• Frame .....   | 1          |
| 28                 | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, PI .....  | 2          |
| 29                 | PAOOO              | 02731       | 7-31 1650010-1 1   | •• Panel, Structural, Ai .....  | 1          |
| 30                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....  | 3          |
| 31                 | XDOZZ              | 96906       | MS21919WCJ12       | Clamp, Loop .....   | 1          |
|                    |                    |             |                    | END OF FIGURE   |            |



M09-222B

Figure 674. Group 13 Panel Assembly, Power Distribution, Pilot  
7-31 1A20012

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 674 Panel Assembly,<br>Power Distribution, Pilot<br>7-31 1A20012<br>See Fig. 370 for NHA |            |
| 1                  | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl . . . . .   | 1          |
| 2                  | PAFZZ              | 80205       | NAS1190-06P4       | • Screw, Cap, Socket He . . . . .  | 1          |
| 3                  | PAFZZ              | 96906       | MS24693S24         | • Screw, Machine . . . . .   | 4          |
| 4                  | PAFZZ              | 02731       | HS4271-1S6         | • Mounting Base, Tiedo . . . . .   | 1          |
| 5                  | PAFZZ              | 96906       | MS3367-4-0         | • Strap, Tiedown, Elect . . . . .  | 1          |
| 6                  | PAFZZ              | 80205       | NAS1786A06-16      | • Post, Electrical-Mec . . . . .   | 1          |
| 7                  | PAFFF              | 02731       | 7-31 1B24609-003   | • Wire Harness . . . . .   | 1          |
| 8                  | PAFZZ              | 96906       | MS25036-148        | • • Terminal, Lug . . . . .  | 1          |
| 9                  | PAFZZ              | 96906       | MS25036-102        | • • Terminal, Lug . . . . .  | 9          |
| 10                 | XDFZZ              | 02731       | HS5239A1110W       | • • Connector, Plug, Elec . . . . .  | 1          |
| 11                 | PAFZZ              | 80205       | NAS601-6B          | • Screw, Machine . . . . .   | 3          |
| 12                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock . . . . .   | 7          |
| 13                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat . . . . .   | 5          |
| 14                 | PAFZZ              | 02731       | 7-31 1A20055       | • Resistor Assembly . . . . .  | 1          |
| 15                 | PAFZZ              | 80205       | NAS1786A06-29      | • Post, Electrical-Mec . . . . .   | 3          |
| 16                 | PAOZZ              | 02731       | HS4160-72          | • Knob . . . . .   | 1          |
| 17                 | PAFZZ              | 81349       | RV4NAYSD502A       | • Resistor, Variable, N . . . . .  | 1          |
| 18                 | PAFZZ              | 96906       | MS24523-22         | • Switch, Toggle . . . . .   | 1          |
| 19                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex . . . . .  | 1          |
| 20                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon . . . . .  | 1          |
| 21                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine . . . . .   | 1          |
| 22                 | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle . . . . .   | 1          |
| 23                 | PAFZZ              | 96906       | MS51957-29B        | • Screw, Machine . . . . .   | 3          |
| 24                 | PAOZZ              | 02731       | 7-31 1A20010       | • Panel, Indicating, Li . . . . .  | 1          |
| 25                 | PAFFF              | 02731       | 7-31 1A20051       | • Support Panel, Cons . . . . .  | 1          |
| 26                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl . . . . .   | 3          |
| 27                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl . . . . .  | 3          |
| END OF FIGURE      |                    |             |                    |  |            |

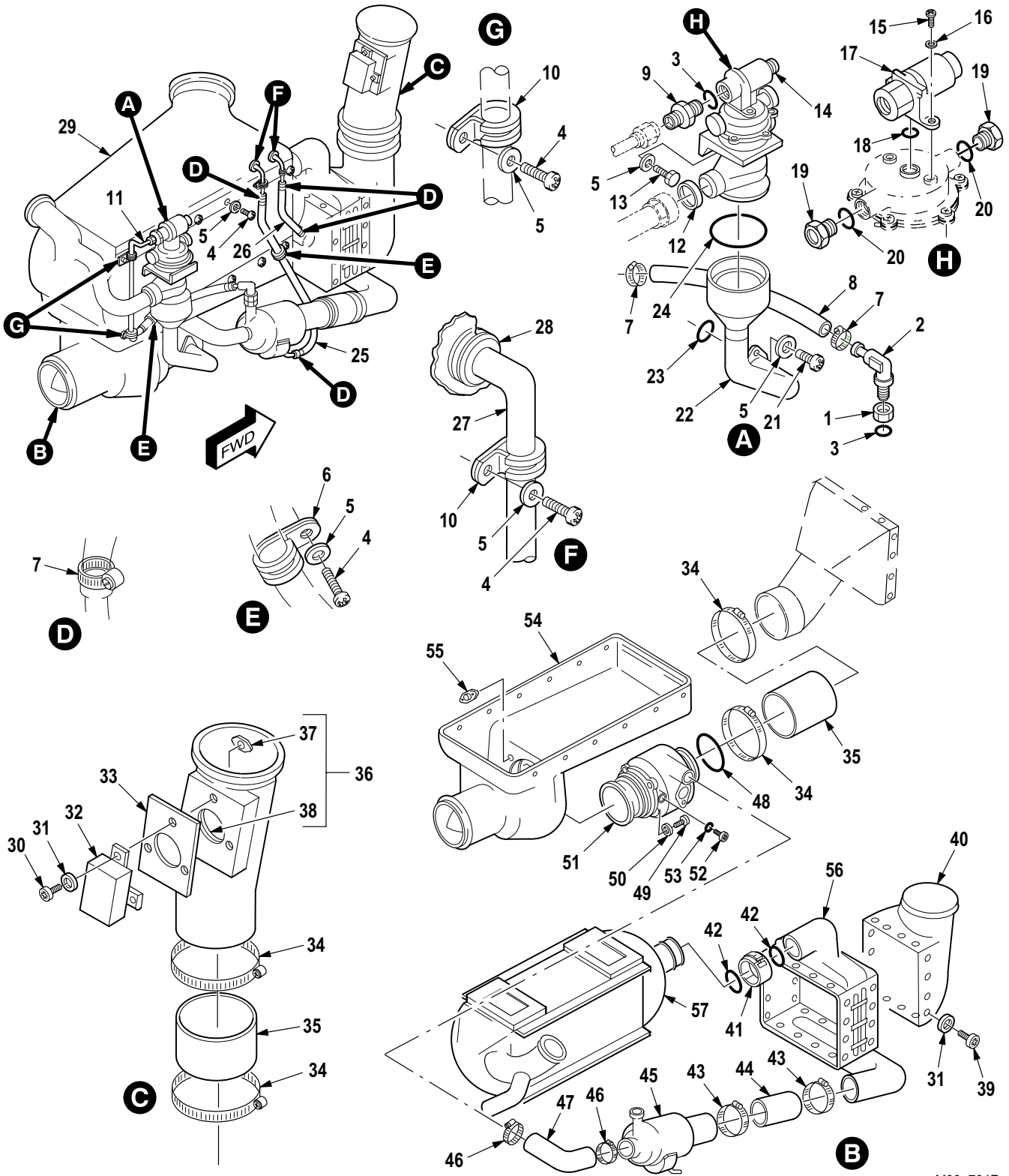


M09-703F

Figure 675. Group 13 Environmental Control Unit Installation  
7-31 1A22000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 675 Environmental Control Unit Installation<br>7-31 1A22000 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....  | 6          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 6          |
| 3                  | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....   | 4          |
| 4                  | PAOZZ              | 02731       | HS4735-400-12      | • Hose, Nonmetallic .....   | 2          |
| 5                  | PAOOO              | 02731       | 7-21 1A22108       | • Duct Assembly, Air C .....  | 1          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, PI .....   | 6          |
| 7                  | PAOZZ              | 02731       | 7-1 16310072       | • Duct, Discharge .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....   | 12         |
| 9                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....  | 13         |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....   | 1          |
| 11                 | PAOZZ              | 81349       | M83413/8-A06CC     | • Lead, Electrical .....  | 2          |
| 12                 | PAOOO              | 02731       | 7-31 1A22001       | • Support Assy, Enviro .....  | 1          |
| 13                 | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, PI .....   | 5          |
| 14                 | XDOZZ              | 02731       | 7-31 1A22001-15    | • • Support .....   | 1          |
| 15                 | XDOZZ              | 02731       | 7-31 1A22001-9     | • • Tee .....   | 1          |
| 16                 | XDOZZ              | 02731       | 7-31 1A22001-7     | • • Tee .....   | 1          |
| 17                 | XDOZZ              | 02731       | 7-31 1A22001-13    | • • Web .....   | 1          |
| 18                 | XDOZZ              | 02731       | 7-31 1A22001-11    | • • Web .....   | 1          |
| 19                 | XAOZZ              | 02731       | 7-31 1A22001-3     | • • Zee .....   | 1          |
| 20                 | XAOZZ              | 02731       | 7-31 1A22001-5     | • • Zee .....   | 1          |
| 21                 | XDOZZ              | 02731       | 7-31 1A22001-17    | • • Stiffener .....   | 1          |
| 22                 | XDOZZ              | 02731       | 7-31 1A22001-19    | • • Spacer .....  | 1          |
| 23                 | PAOZZ              | 80205       | NAS1922-0525-1     | • Clamp, Hose .....   | 2          |
| 24                 | PAOZZ              | 02731       | 7-31 1A22103       | • Hose, Air Duct .....  | 1          |
| 25                 | PAODD              | 02731       | 7-31 1A22105       | • Regulator, Air Press (See Fig. 676 for Breakdown) .....   | 1          |
| 26                 | PAOZZ              | 0N0N0       | RU-2800            | Filter Element, Inta .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



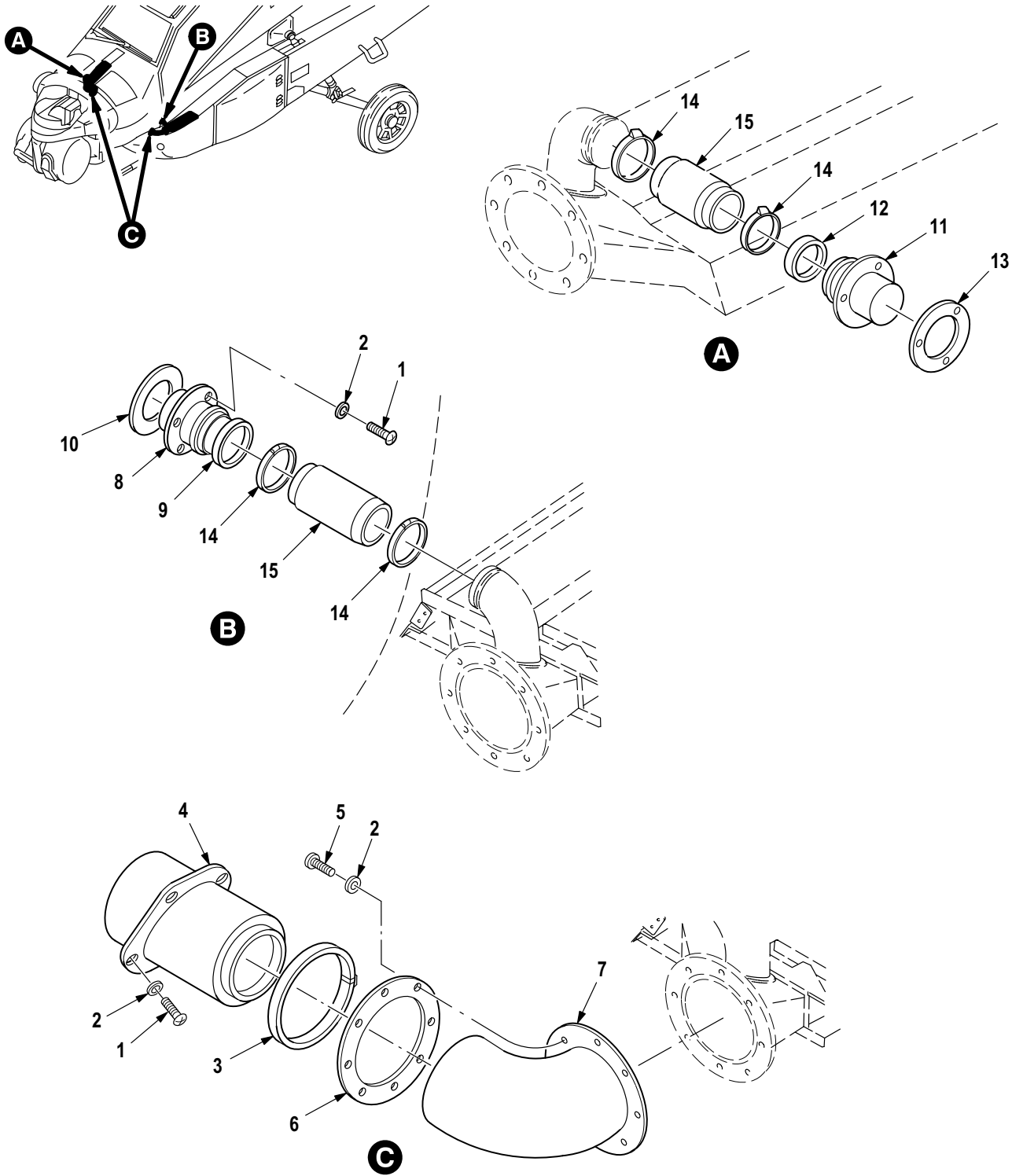
M09-704F

Figure 676. Group 13 Regulator, Air Pressure  
7-311A22105

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 676 Regulator, Air Pressure<br>7-31 1A22105<br>See Fig. 675 for NHA |            |
| 1                  | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....   | 1          |
| 2                  | PAOZZ              | 88044       | AN838-4D           | • Elbow, Tube to Hose .....   | 1          |
| 3                  | PAOZZ              | 81349       | M83248/1-904       | • Packing, Preformed .....  | 2          |
| 4                  | PAOZZ              | 96906       | MS35207-263        | • Screw, Machine .....  | 24         |
| 5                  | PAOZZ              | 88044       | AN960PD10L         | • Washer, Flat .....  | 27         |
| 6                  | PAOZZ              | 96906       | MS21919WCJ8        | • Clamp, Loop .....   | 2          |
| 7                  | PAOZZ              | 70210       | 211-032-9002       | • Clamp, Loop .....   | 6          |
| 8                  | MOOZZ              | 70210       | 2203011-21         | • Hose .....  | V          |
| 9                  | PAOZZ              | 88044       | AN815-4D           | • Nipple, Boss .....  | 1          |
| 10                 | XDOZZ              | 96906       | MS21919DG4         | • Clamp, Loop .....   | 4          |
| 11                 | PAOZZ              | 70210       | 2202806-1          | • Tube Assembly, Metal .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS595-24E         | • Sleeve, Compression .....   | 1          |
| 13                 | PAOZZ              | 88044       | AN3-3A             | • Bolt, Machine .....   | 2          |
| 14                 | PAODD              | 99193       | 397884-1-2         | • Valve, Shutoff .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS51958-61         | • Screw, Machine .....  | 2          |
| 16                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....  | 2          |
| 17                 | PAOZZ              | 59364       | 882661-16          | • Electromagnetic Act .....   | 1          |
| 18                 | PAOZZ              | 59364       | S8990-008          | • Packing, Preformed .....  | 1          |
| 19                 | PAOZZ              | 88044       | AN814-4DL          | • Plug, Machine Thread .....  | 2          |
| 20                 | PAOZZ              | 59364       | S8990-580          | • Packing, Preforme .....   | 2          |
| 21                 | PAOZZ              | 96906       | MS35207-262        | • Screw, Machine .....  | 2          |
| 22                 | PAOZZ              | 70210       | 2202944-1          | • Duct Assembly, Air C .....  | 1          |
| 23                 | PAOZZ              | 70210       | S9026L124          | • O-Ring .....  | 1          |
| 24                 | PAOZZ              | 70210       | S9026M143          | • O-Ring .....  | 1          |
| 25                 | MOOZZ              | 70210       | 2203011-22         | • Hose .....  | V          |
| 26                 | MOOZZ              | 70210       | 2203011-20         | • Hose .....  | V          |
| 27                 | PAOZZ              | 70210       | 2202767-1          | • Nozzle, Distribution .....  | 2          |
| 28                 | PAOZZ              | 96906       | MS35489-7          | • Grommet, Nonmetallic .....  | 2          |
| 29                 | PAOZZ              | 70210       | 2202215-2          | • Duct, Ram Air Inlet .....   | 1          |
| 30                 | PAOZZ              | 96906       | MS27039-0809       | • Screw, Machine .....  | 3          |
| 31                 | PAOZZ              | 88044       | AN960PD8           | • Washer, Flat .....  | 35         |
| 32                 | PAODD              | 07217       | 625614-2-1         | • Control, Temperature .....  | 1          |
| 33                 | PAOZZ              | 70210       | 2202404-1          | • Gasket .....  | 1          |
| 34                 | PAOZZ              | 70210       | 211-020-9018       | • Clamp, Hose .....   | 4          |
| 35                 | PAOZZ              | 70210       | 2201859-16         | • Hose, Air Duct .....  | 2          |
| 36                 | PAOOO              | 70210       | 2202758-1          | • Duct Assembly, Tempe .....  | 1          |
| 37                 | PAOZZ              | 96906       | MS21059L08         | • Nut, Self-Locking, PI .....   | 3          |
| 38                 | MOOZZ              | 70210       | 2202758-5          | • Plate .....   | 1          |
| 39                 | PAOZZ              | 96906       | MS35206-245        | • Screw, Machine .....  | 32         |
| 40                 | PAOZZ              | 70210       | 2202768-1          | • Duct Assembly, Air C .....  | 1          |
| 41                 | PAOZZ              | 8V613       | HS4724-32DE        | • Coupling Assembly, T .....  | 1          |
| 42                 | PAOZZ              | 81349       | M83248/1-226       | • O-Ring .....  | 2          |
| 43                 | PAOZZ              | 70210       | 211-044-91 11      | • Clamp, Hose .....   | 2          |
| 44                 | PAOZZ              | 70210       | 2201859-14         | • Hose, Air Duct .....  | 1          |
| 45                 | PAOZZ              | 70210       | 192588-1-2         | • Pump, Centrifugal .....   | 1          |
| 46                 | PAOZZ              | 70210       | 211-044-9108       | • Clamp, Hose .....   | 2          |
| 47                 | PAOZZ              | 70210       | 2202374-1          | • Hose, Air Duct .....  | 1          |
| 48                 | PAOZZ              | 81349       | M83248/1-136       | • O-Ring .....  | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 49                 | PAOZZ              | 88044       | AN4-10A            | • Bolt, Machine .....                       | 4          |
| 50                 | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....                        | 4          |
| 51                 | PAODD              | 70210       | 2204390-1-1        | • Turbine, Aircraft Co .....                | 1          |
| 52                 | PAOZZ              | 96906       | MS9015-02          | •• Plug, Machine Thread .....               | 2          |
| 53                 | PAOZZ              | 70210       | S9028D902          | •• O-Ring .....                             | 2          |
| 54                 | PAOOO              | 70210       | 2202213-1          | • Duct Assembly, Air C .....                | 1          |
| 55                 | PAOZZ              | 96906       | MS21059L4          | •• Nut, Self-Locking, Pl .....              | 4          |
| 56                 | PADDD              | 70210       | 194187-2-1         | • Heat Exchanger, Air .....                 | 1          |
| 57                 | PAODD              | 70210       | 194186-2-1         | • Heat Exchanger, Air .....                 | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

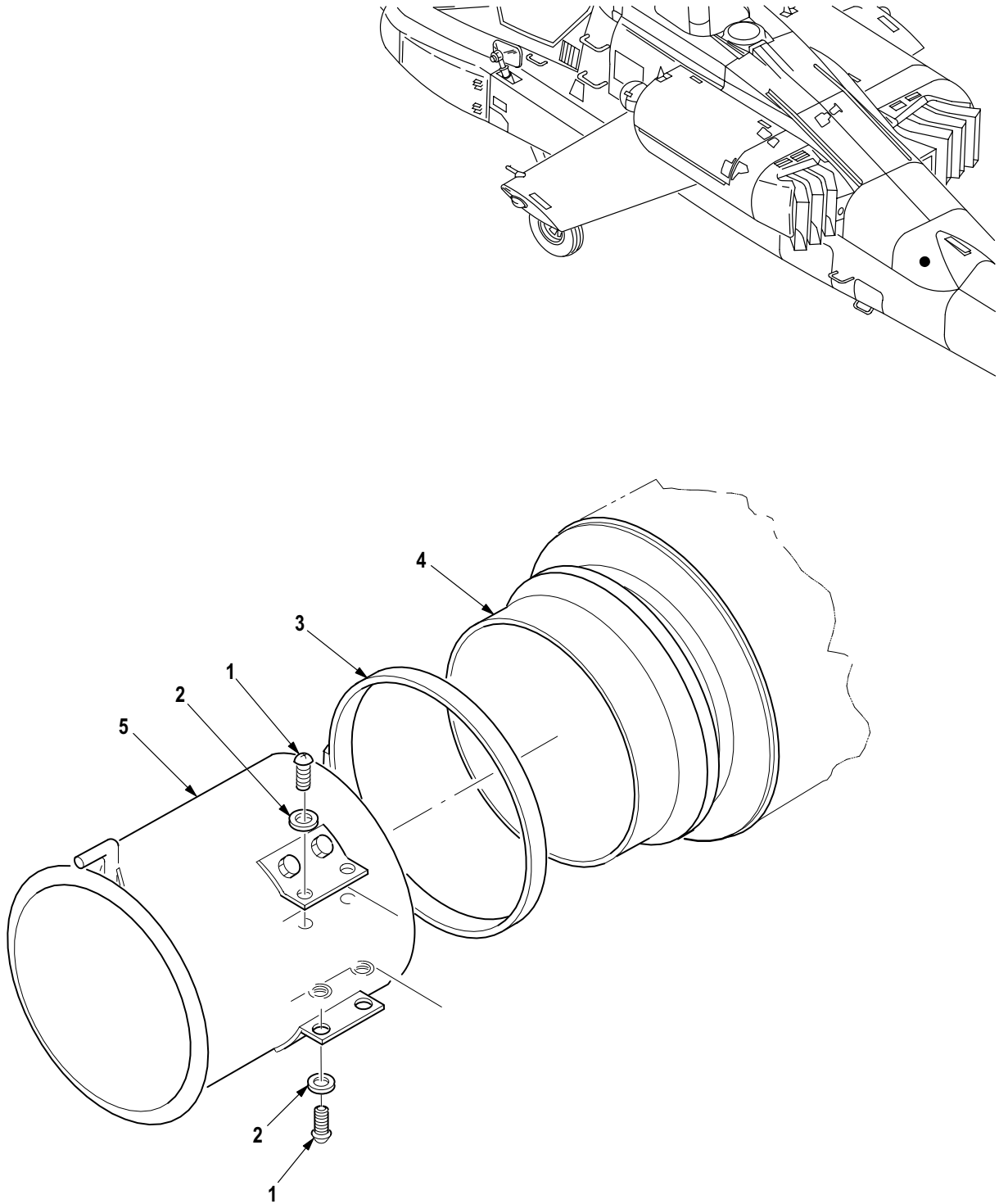




M09-590C

Figure 677. Group 13 Cooling System Installation  
7-31 1A23003

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 677 Cooling System Installation<br>7-31 1A23003 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | ▪ Screw, Machine .....  | 15         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | ▪ Washer, Flat .....  | 31         |
| 3                  | PAOZZ              | 14711       | 10A260-400-1       | ▪ Clamp, Hose .....   | 2          |
| 4                  | PAOZZ              | 02731       | 7-21 1A23103-3     | ▪ Fan, Vaneaxial .....  | 2          |
| 4                  | PAOZZ              | 02731       | 7-21 1A23103-5     | ▪ Fan, Vaneaxial .....  | 2          |
| 5                  | PAOZZ              | 80205       | NAS563-21          | ▪ Bolt, Machine .....   | 16         |
| 6                  | PAOZZ              | 02731       | 7-31 1A23003-3     | ▪ Spacer, Ring .....  | 2          |
| 7                  | PAOZZ              | 02731       | 7-31 1A23112       | ▪ Duct, Fan .....   | 2          |
| 8                  | PAOOO              | 02731       | 7-31 1A23116       | ▪ Duct Assembly, Air C .....  | 1          |
| 9                  | XDOZZ              | 02731       | 7-31 1A23116-5     | ▪ Seal, Rubber Special .....  | 1          |
| 10                 | PAOZZ              | 02731       | 7-31 1A23115       | ▪ Gasket .....  | 1          |
| 11                 | PAOOO              | 02731       | 7-31 1A23114       | ▪ Duct Assembly, Air C .....  | 1          |
| 12                 | XDOZZ              | 02731       | 7-31 1A23114-5     | ▪ Seal, Rubber Special .....  | 1          |
| 13                 | PAOZZ              | 02731       | 7-31 1A23115       | ▪ Gasket .....  | 1          |
| 14                 | PAOZZ              | 80205       | NAS1922-0200-3     | ▪ Clamp, Hose .....   | 4          |
| 15                 | PAOZZ              | 02731       | 7-21 1A21237-39    | ▪ Hose, Nonmetallic .....   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-213C

Figure 678. Group 13 Fan Installation  
7-21 1A23002



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 678 Fan Installation<br>7-21 1A23002 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-3          | ▪ Screw, Machine .....   | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10          | ▪ Washer, Flat .....   | 4          |
| 3                  | PAOZZ              | 14711       | 10A260-450-3B      | ▪ Clamp, Hose .....  | 1          |
| 4                  | PAOZZ              | 02731       | 7-21 1A23105       | ▪ Hose, Air Duct .....   | 1          |
| 5                  | PAOZZ              | 02731       | 7-21 1A23102       | ▪ Fan, Vaneaxial .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

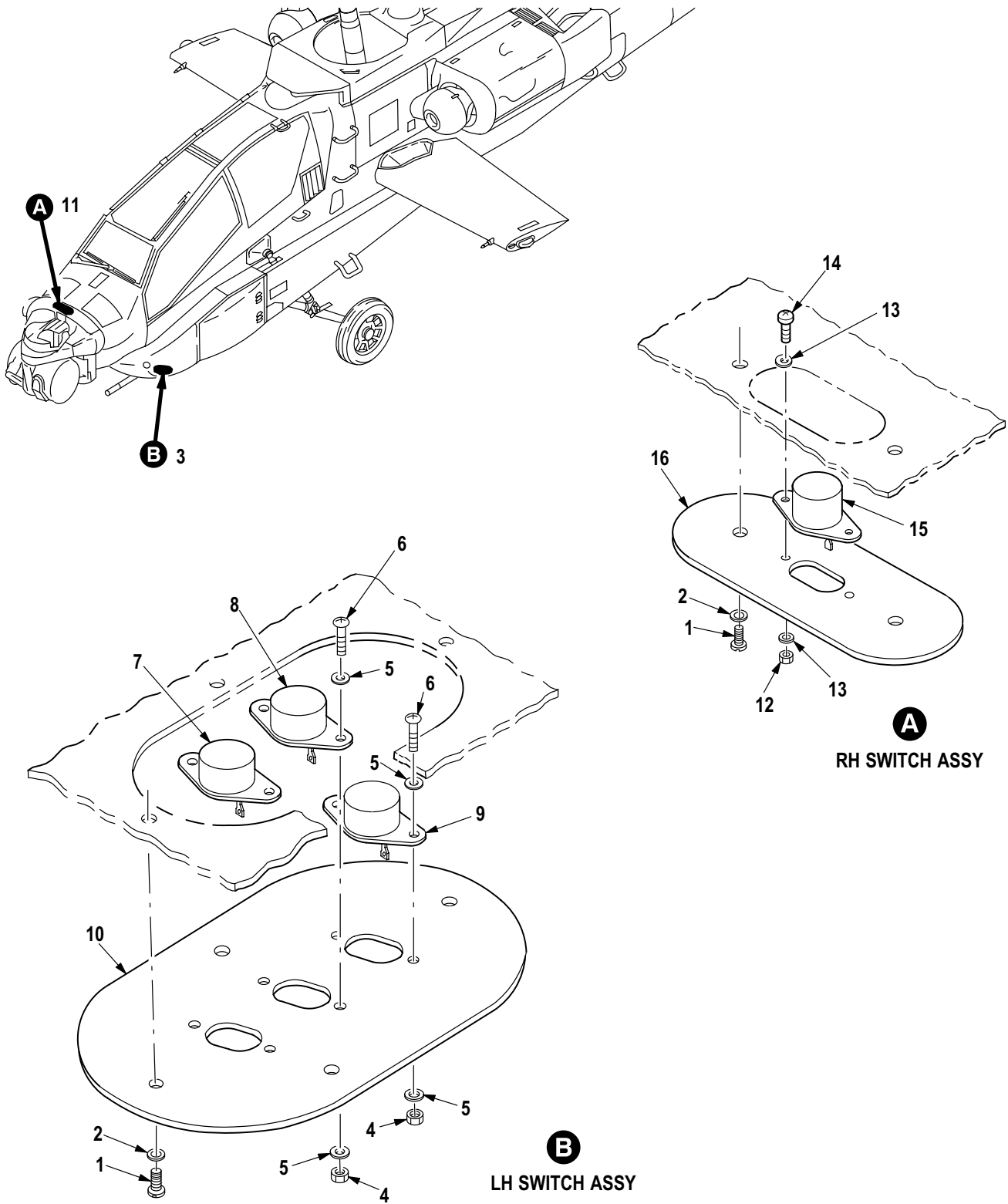
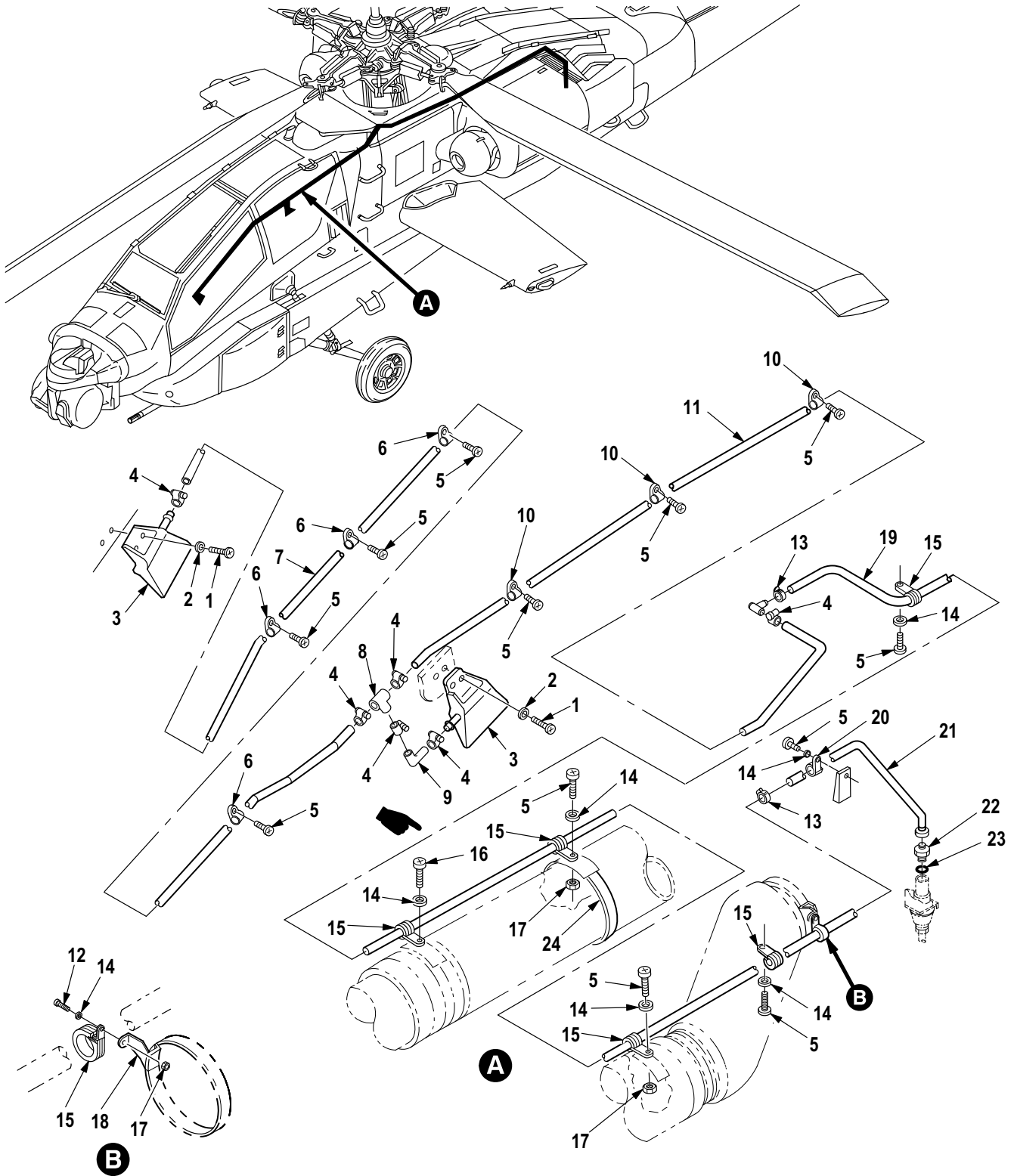


Figure 679. Group 13 Thermal Switch Assembly LH and RH

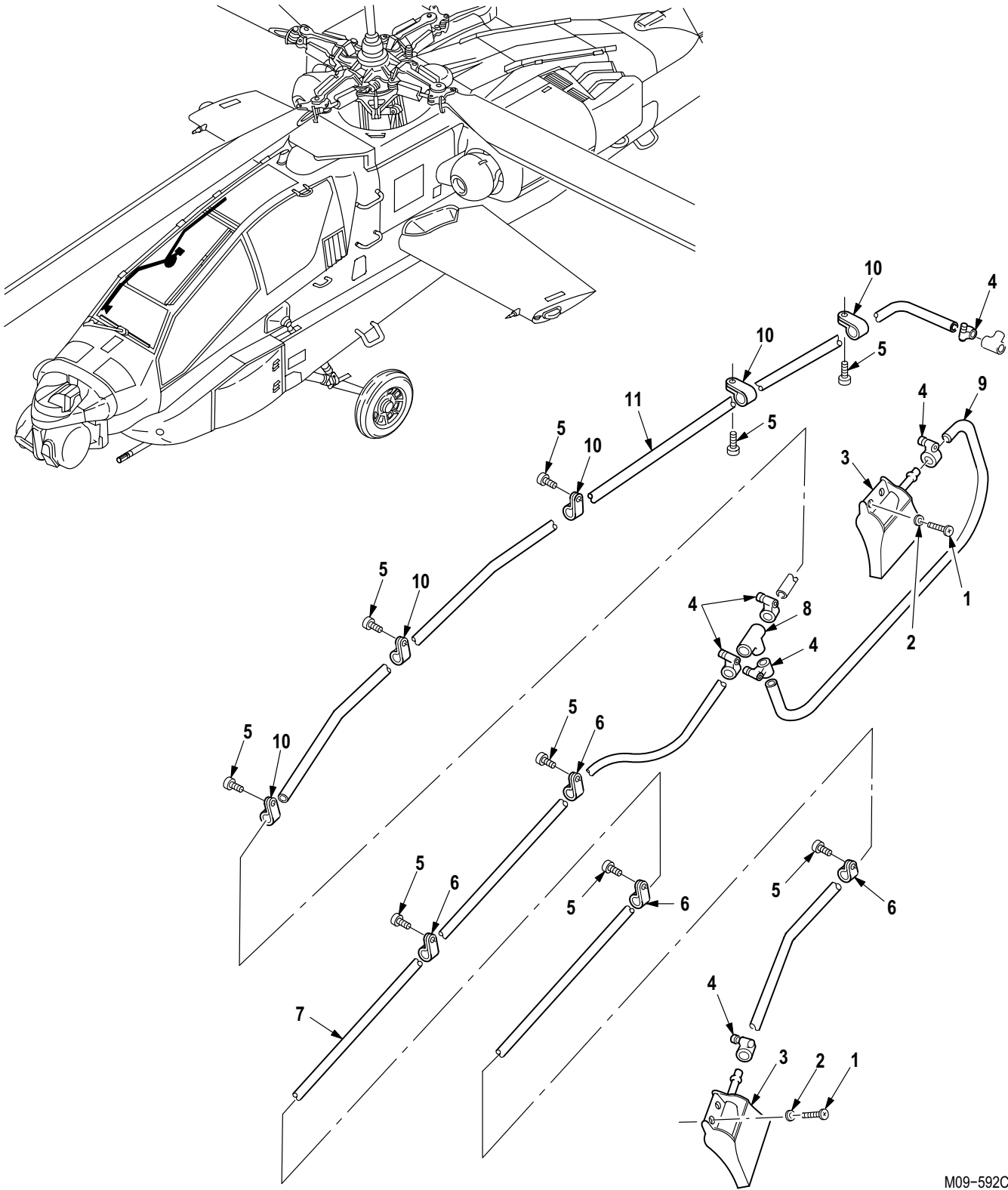
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 679 Thermal Switch Assembly LH and RH |            |
| 1                  | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine LH . . . . .   | 4          |
| 1                  | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine RH . . . . .   | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat LH . . . . .   | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat RH . . . . .   | 2          |
| 3                  | PAOOO              | 02731       | 7-31 1A20015-601   | • Switch Assembly LH (Usbl Eff 82-24200 and Subs) . . . . .                         | 1          |
| 4                  | PAOZZ              | 80205       | MS21044C04         | • Nut, Self-Locking, He . . . . .   | 6          |
| 5                  | PAOZZ              | 96906       | MS15795-803        | • Washer, Flat . . . . .  | 12         |
| 6                  | PAOZZ              | 96906       | MS51957-15         | • Screw, Machine . . . . .  | 6          |
| 7                  | PAOZZ              | 81349       | M24236/1EGCGA      | • Switch, Thermostatic . . . . .  | 1          |
| 8                  | PAOZZ              | 81349       | M24236/1EGEGC      | • Switch, Thermostatic . . . . .  | 1          |
| 9                  | PAOZZ              | 81349       | M24236/1-FHDHB     | • Switch, Thermostatic (Usbl Eff 82-24200 and Subs) . . . . .                       | 1          |
| 10                 | PAOZZ              | 02731       | 7-31 1A20014       | • Cover, Access . . . . .   | 1          |
| 11                 | PAOOO              | 02731       | 7-31 1A20018-601   | • Switch Assy, Thermal RH (Usbl Eff 82-24200 and Subs) . . . . .                    | 1          |
| 12                 | PAOZZ              | 80205       | MS21044C04         | • Nut, Self-Locking, He . . . . .   | 2          |
| 13                 | PAOZZ              | 96906       | MS15795-803        | • Washer, Flat . . . . .  | 4          |
| 14                 | PAOZZ              | 96906       | MS51957-15         | • Screw, Machine . . . . .  | 2          |
| 15                 | PAOZZ              | 81349       | M24236/1-FHDHB     | • Switch, Thermostatic (Usbl Eff 82-24200 and Subs) . . . . .                       | 1          |
| 16                 | PAOZZ              | 02731       | 7-31 1A20017       | • Cover, Electrical Sw . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-591E

Figure 680. Group 13 Environmental Control Defogging System LH  
7-31 1A21300-601

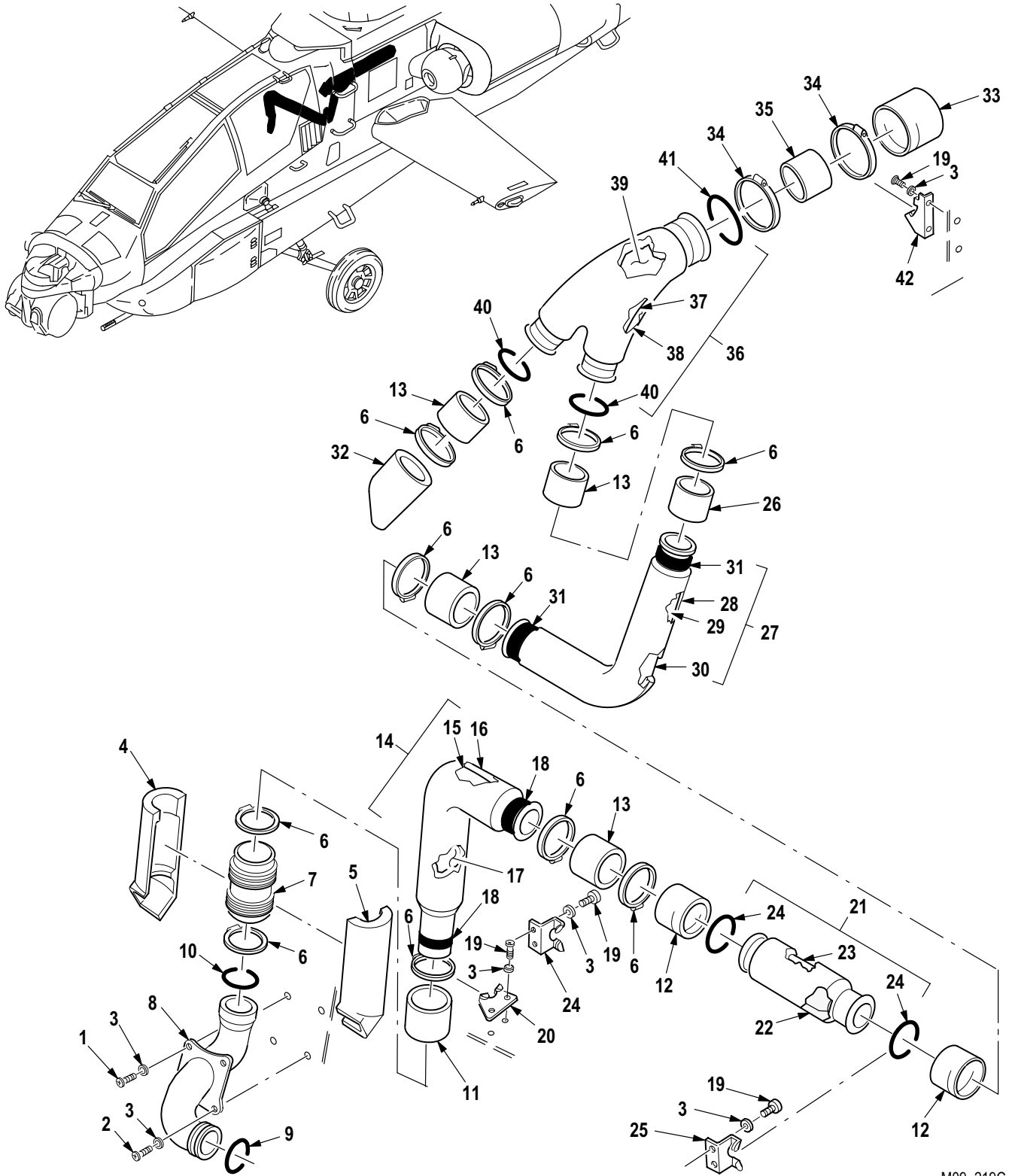
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 680 Environmental Control<br>Defogging System LH<br>7-31 1A21300-601 |            |
| 1                  | PAOZZ              | 80205       | NAS602-8B          | • Screw, Machine .....   | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149DN816J      | • Washer, Flat .....   | 4          |
| 3                  | PAOZZ              | 02731       | 7-31 1A21304       | • Air Mixer Nozzle, Ca .....   | 2          |
| 4                  | PAOZZ              | 80205       | NAS1922-0050-1     | • Clamp, Hose .....  | 5          |
| 5                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....   | 10         |
| 6                  | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....  | 4          |
| 7                  | PAOZZ              | 02731       | 7-21 1A21307-9     | • Hose, Nonmetallic .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1A21330       | • Tee, Hose .....  | 2          |
| 9                  | PAOZZ              | 02731       | 7-21 1A21307-3     | • Hose, Nonmetallic .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS21919WDG9        | • Clamp, Loop .....  | 3          |
| 11                 | PAOZZ              | 02731       | 7-31 1A21307-3     | • Hose, Air Duct .....   | 1          |
| 12                 | PAOZZ              | 80205       | NAS1096-3-6        | • Screw, Machine .....   | 2          |
| 13                 | PAOZZ              | 80205       | NAS1922-0075-1     | • Clamp, Hose .....  | 2          |
| 14                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....   | 23         |
| 15                 | PAOZZ              | 96906       | MS21919WCJ12       | • Clamp, Loop .....  | 6          |
| 16                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....   | 1          |
| 17                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 3          |
| 18                 | PAOZZ              | 02731       | HS5032-0003        | • Bracket, Angle .....   | 1          |
| 19                 | PAOZZ              | 02731       | 7-31 1A21308-3     | • Hose, Air Duct .....   | 1          |
| 20                 | PAOZZ              | 96906       | MS21919WCJ10       | • Clamp, Loop .....  | 1          |
| 21                 | PAOZZ              | 02731       | 7-31 1A21331-7     | • Tube Assembly, Metal .....   | 1          |
| 22                 | PAOZZ              | 96906       | MS21916D12-10      | • Reducer, Boss .....  | 1          |
| 23                 | PAOZZ              | 96906       | MS9385-12          | • O-Ring .....   | 1          |
| 24                 | PAOZZ              | 80205       | NAS1922-0450-1     | • Clamp, Hose .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-592C

Figure 681. Group 13 Environmental Control Defogging System RH  
7-31 1A21300-60 1

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 681 Environmental Control<br>Defogging System RH<br>7-31 1A21300-601 |            |
| 1                  | PAOZZ              | 80205       | NAS602-8B          | • Screw, Machine .....   | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149DN816J      | • Washer, Flat .....   | 4          |
| 3                  | PAOZZ              | 02731       | 7-31 1A21304       | • Air Mixer Nozzle, Ca .....   | 2          |
| 4                  | PAOZZ              | 80205       | NAS1922-0050-1     | • Clamp, Hose .....  | 6          |
| 5                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....   | 9          |
| 6                  | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....  | 4          |
| 7                  | PAOZZ              | 02731       | 7-21 1A21307-1 1   | • Hose, Nonmetallic .....  | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1A21330       | • Tee, Hose .....  | 1          |
| 9                  | PAOZZ              | 02731       | 7-21 1A21307-13    | • Hose, Nonmetallic .....  | 1          |
| 10                 | PAOZZ              | 96906       | MS21919WDG9        | • Clamp, Loop .....  | 5          |
| 11                 | PAOZZ              | 02731       | 7-31 1A21307-5     | • Hose, Air Duct .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

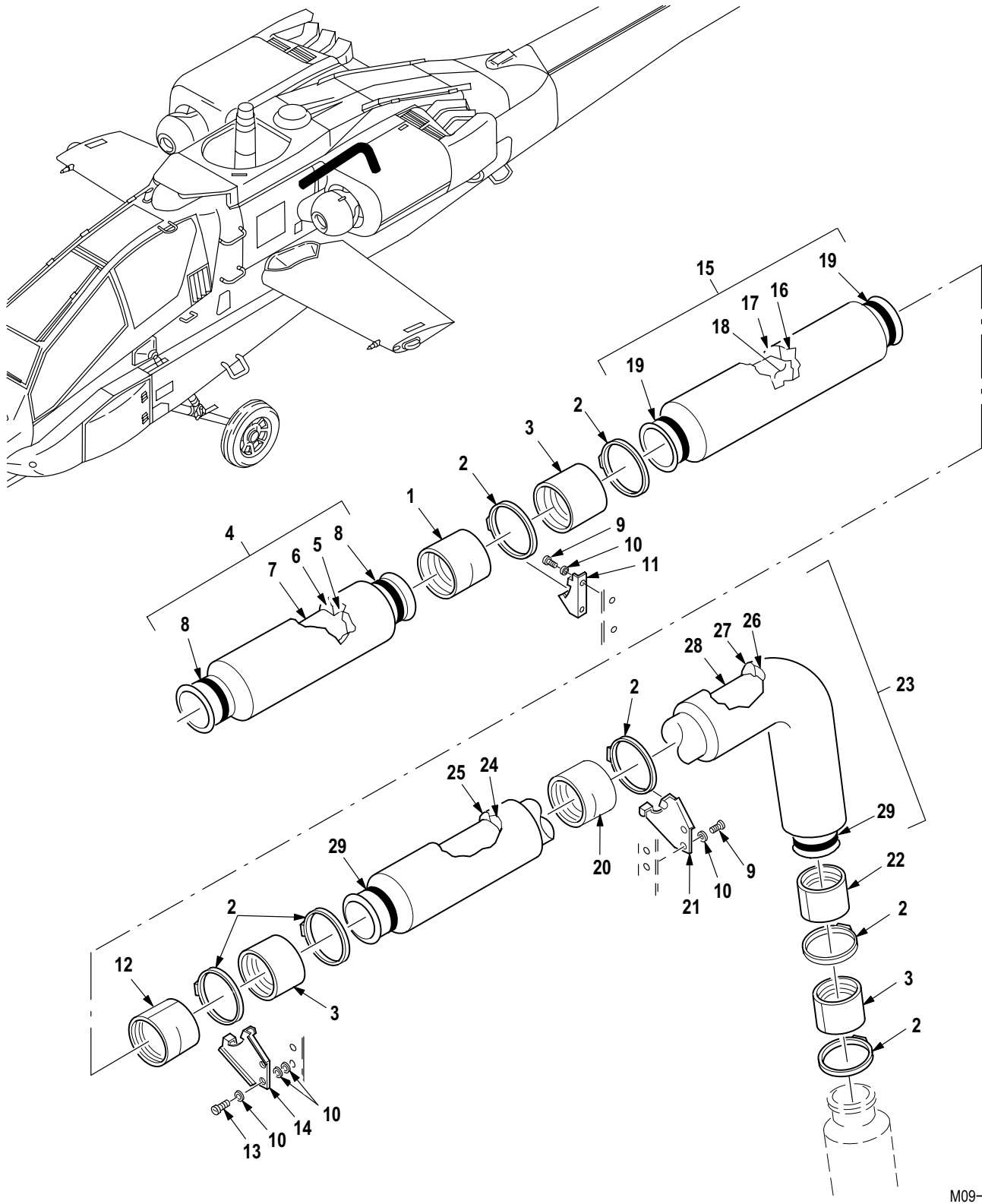


M09-219C

Figure 682. Group 13 Fuselage Environmental Control System (FS 154 to FS 180)  
7-31 1A21100-601



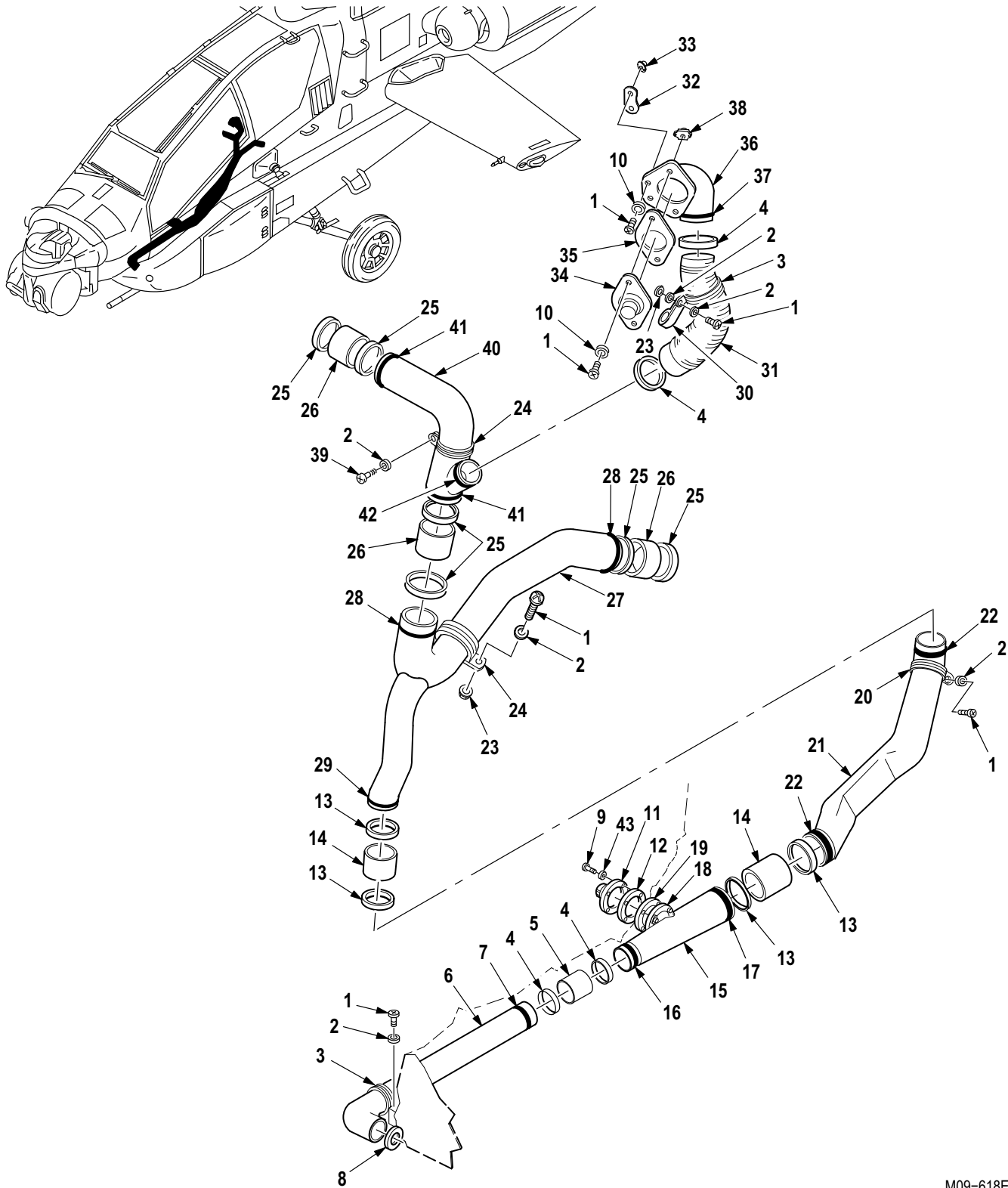
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 682 Fuselage Environmental Control System<br>(FS 154 to FS 180)<br>7-31 1A21100-601 |            |
| 1                  | PAOZZ              | 80205       | NAS603-10P         | • Screw, Machine .....  | 2          |
| 2                  | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....  | 2          |
| 3                  | PAOZZ              | 88044       | AN960KD10          | • Washer, Flat .....  | 12         |
| 4                  | PAOZZ              | 02731       | 7-31 1A21133-3     | • Cuff Half, Duct, Insu .....   | 1          |
| 5                  | PAOZZ              | 02731       | 7-31 1A21133-4     | • Cuff Half, Duct, Insu .....   | 1          |
| 6                  | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....   | 11         |
| 7                  | PAOZZ              | 02731       | 7-21 1A21114       | • Hose, Air Duct .....  | 1          |
| 8                  | PAOOO              | 02731       | 7-31 1A21110       | • Duct Assembly, Air C .....  | 1          |
| 9                  | XDOZZ              | 02731       | 7-31 1A21110-9     | • Seal, Rubber Special .....  | 1          |
| 10                 | XDOZZ              | 02731       | 7-31 1A21110-11    | • Seal, Rubber Special .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-31 1A21134-5     | • Cuff, Insulation, Duc .....   | 1          |
| 12                 | PAOZZ              | 02731       | 7-31 1A21131-15    | • Cuff, Sleeve, Insulat .....   | 2          |
| 13                 | XDOZZ              | 02731       | 7-21 1A21237-7     | • Sleeve, Seal, Coupler .....   | 4          |
| 14                 | PAOOO              | 02731       | 7-31 1A21109       | • Hose, Air Duct .....  | 1          |
| 15                 | PAOZZ              | 02731       | 7-31 1A21109-11    | • Insulation Half, Duc .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-31 1A21109-9     | • Insulation Half, Duc .....  | 1          |
| 17                 | XAOOO              | 02731       | 7-31 1A21109-3     | • Duct Assy .....   | 1          |
| 18                 | XDOZZ              | 02731       | 7-31 1A21109-7     | • Seal, Rubber Special .....  | 2          |
| 19                 | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....  | 8          |
| 20                 | PAOZZ              | 02731       | 7-21 1A21112       | • Bracket, Duct Suppor .....  | 1          |
| 21                 | PAOOO              | 02731       | 7-31 1A21106-3     | • Duct Assembly, Air C .....  | 1          |
| 22                 | PAOZZ              | 02731       | 7-31 1A21106-19    | • Insulation Half, Duc .....  | 2          |
| 23                 | XDOOO              | 02731       | 7-31 1A21106-7     | • Duct Assy, Air Suppl .....  | 1          |
| 24                 | XDOZZ              | 02731       | 7-31 1A21106-15    | • Seal, Rubber Special .....  | 2          |
| 25                 | XDOZZ              | 02731       | 7-21 1A21111       | • Bracket, Duct Suppor .....  | 2          |
| 26                 | PAOZZ              | 02731       | 7-31 1A21131-17    | • Cuff, Sleeve, Insulat .....   | 1          |
| 27                 | PAOOO              | 02731       | 7-31 1A21105       | • Duct Assembly, Air C .....  | 1          |
| 28                 | PAOZZ              | 02731       | 7-31 1A21105-9     | • Insulation Half, Duc .....  | 1          |
| 29                 | PAOZZ              | 02731       | 7-31 1A21105-10    | • Insulation Half, Duc .....  | 1          |
| 30                 | XAOOO              | 02731       | 7-31 1A21105-3     | • Duct Assy .....   | 1          |
| 31                 | MOOZZ              | 81348       | ZZR765             | • Seal, Rubber Special .....  | 2          |
| 32                 | PAOZZ              | 02731       | 7-31 1A21132-3     | • Cuff, Sleeve, Insulat .....   | 1          |
| 33                 | PAOZZ              | 02731       | 7-31 1A21131-11    | • Cuff, Sleeve, Insulat .....   | 1          |
| 34                 | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....   | 2          |
| 35                 | PAOZZ              | 02731       | 7-21 1A21237-9     | • Hose, Nonmetallic .....   | 1          |
| 36                 | PAOOO              | 02731       | 7-31 1A21103       | • Hose, Air Duct .....  | 1          |
| 37                 | PAOZZ              | 02731       | 7-31 1A21103-11    | • Insulation Pipe Fit .....   | 1          |
| 38                 | PAOZZ              | 02731       | 7-31 1A21103-12    | • Insulation Pipe Fit .....   | 1          |
| 39                 | XAOOO              | 02731       | 7-31 1A21103-3     | • Duct Assy .....   | 1          |
| 40                 | XDOZZ              | 02731       | 7-31 1A21103-7     | • Seal, Nonmetallic Sp .....  | 2          |
| 41                 | XDOZZ              | 02731       | 7-31 1A21103-9     | • Seal, Nonmetallic Sp .....  | 1          |
| 42                 | PAOZZ              | 02731       | 7-21 1A21102       | • Bracket, Duct Suppor .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-220D

Figure 683. Group 13 Fuselage Environmental Control System (FS 180 to FS 296)  
7-31 1A21100-601

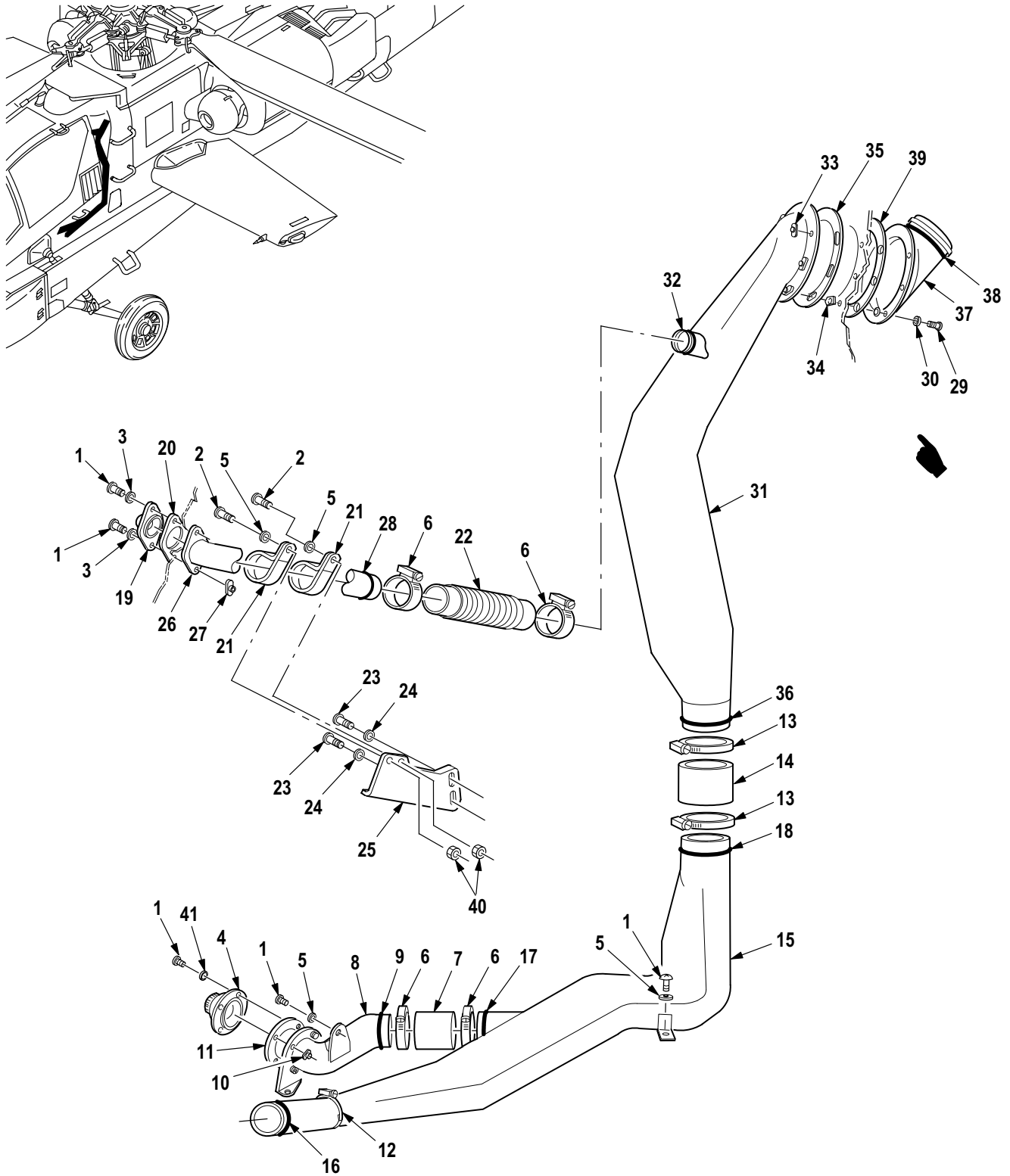
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 683 Fuselage Environmental Control System<br>(FS 180 to FS 296)<br>7-31 1A21100-601 |            |
| 1                  | PAOZZ              | 02731       | 7-31 1A21131-11    | • Cuff, Sleeve, Insulat .....   | 2          |
| 2                  | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....   | 7          |
| 3                  | PAOZZ              | 02731       | 7-21 1A21237-9     | • Hose, Nonmetallic .....   | 3          |
| 4                  | PAOOO              | 02731       | 7-31 1A21106-5     | • Duct Assembly, Air C .....  | 1          |
| 5                  | PAOZZ              | 02731       | 7-31 1A21106-21    | •• Insulation Half, Duc .....   | 1          |
| 6                  | PAOZZ              | 02731       | 7-31 1A21106-23    | •• Insulation Half, Duc .....   | 1          |
| 7                  | XDOOO              | 02731       | 7-31 1A21106-9     | •• Duct Assy, Air .....   | 1          |
| 8                  | XDOZZ              | 02731       | 7-31 1A21106-17    | ••• Seal, Rubber Special .....  | 2          |
| 9                  | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....  | 4          |
| 10                 | PAOZZ              | 88044       | AN960KD10          | • Washer, Flat .....  | 12         |
| 11                 | PAOZZ              | 02731       | 7-21 1A21102       | • Bracket, Duct Suppor .....  | 2          |
| 12                 | PAOZZ              | 02731       | 7-31 1A21131-19    | • Cuff, Sleeve, Insulat .....   | 1          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 2          |
| 14                 | PAOZZ              | 02731       | 7-21 1A21125-4     | • Bracket, Duct Suppor .....  | 1          |
| 15                 | PAOOO              | 02731       | 7-31 1A21101-15    | • Hose, Air Duct .....  | 1          |
| 16                 | PAOZZ              | 02731       | 7-31 1A21101-13    | •• Insulation Half, Duc .....   | 1          |
| 17                 | PAOZZ              | 02731       | 7-31 1A21101-9     | •• Insulation, Pipe Cov .....   | 1          |
| 18                 | XAOOO              | 02731       | 7-31 1A21101-3     | •• Duct .....   | 1          |
| 19                 | XDOZZ              | 02731       | 7-31 1A21101-7     | ••• Seal, Duct .....  | 2          |
| 20                 | PAOZZ              | 02731       | 7-31 1A21131-13    | • Cuff, Sleeve, Insulat .....   | 1          |
| 21                 | PAOZZ              | 02731       | 7-21 1A21125-3     | • Bracket, Duct Suppor .....  | 1          |
| 22                 | PAOZZ              | 02731       | 7-31 1A21135       | • Hose, Nonmetallic .....   | 1          |
| 23                 | PAOOO              | 02731       | 7-31 1A21130       | • Duct Assembly, Air C .....  | 1          |
| 24                 | PAOZZ              | 02731       | 7-31 1A21130-11    | •• Insulation Half, Duc .....   | 1          |
| 25                 | PAOZZ              | 02731       | 7-31 1A21130-12    | •• Insulation Half, Duc .....   | 1          |
| 26                 | PAOZZ              | 02731       | 7-31 1A21130-9     | •• Insulation Half, Duc .....   | 1          |
| 27                 | PAOZZ              | 02731       | 7-31 1A21130-10    | •• Insulation Half, Duc .....   | 1          |
| 28                 | XAOOO              | 02731       | 7-31 1A21130-3     | •• Duct Assy .....  | 1          |
| 29                 | XDOZZ              | 02731       | 7-31 1A21130-7     | ••• Seal, Rubber Special .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-618E

Figure 684. Group 13 Crew Environmental Control System (FS 57 to FS 125) LH  
7-311A21200

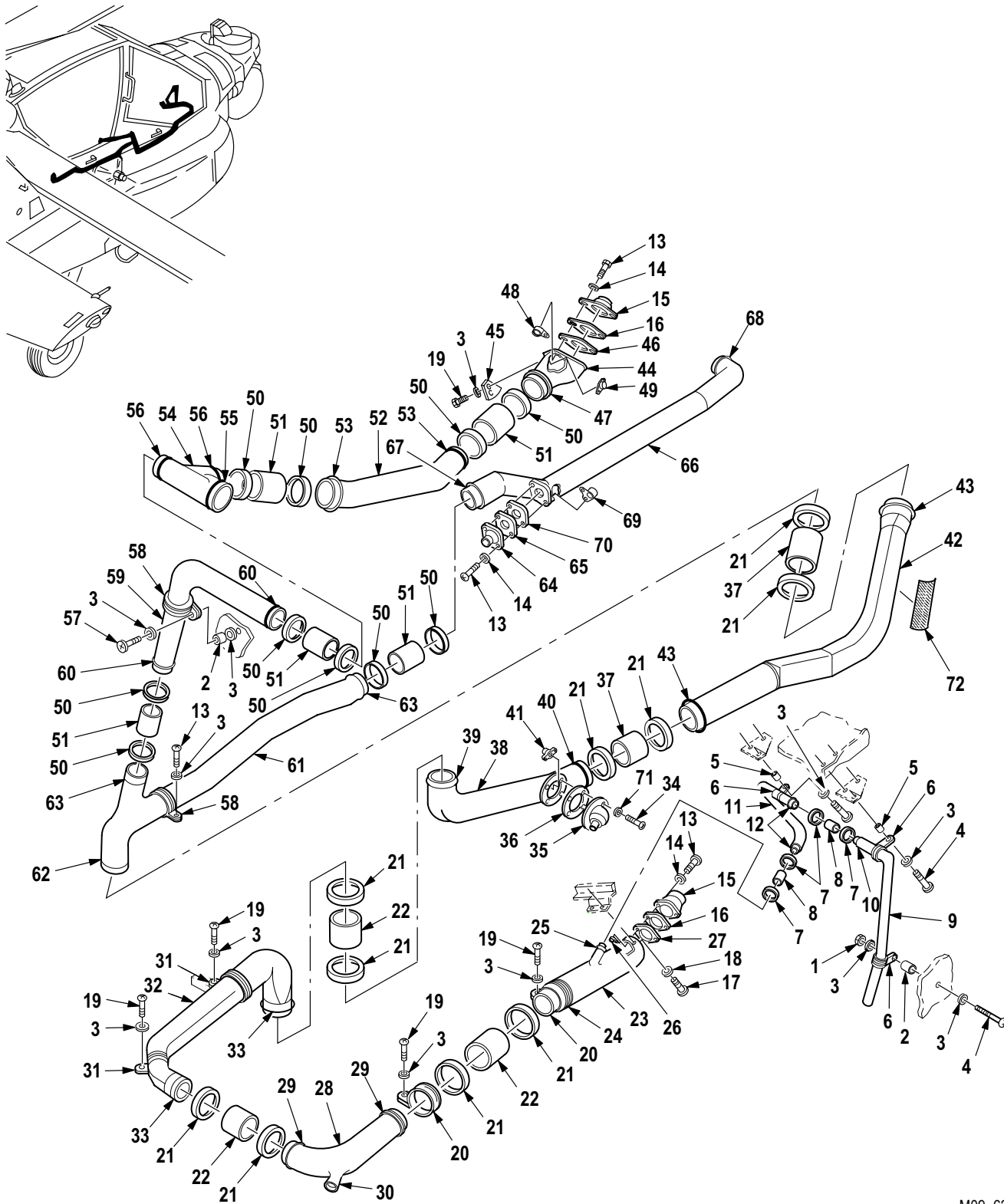
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 684 Crew Environmental Control System<br>(FS 57 to FS 125) LH<br>7-31 1A21200 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 29         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 21         |
| 3                  | PAOZZ              | 96906       | MS21919WDG24       | • Clamp, Loop .....   | 4          |
| 4                  | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....   | 8          |
| 5                  | XDOZZ              | 02731       | 7-21 1A21237-3     | • Sleeve, Seal, Coupler .....   | 2          |
| 6                  | PAOOO              | 02731       | 7-31 1A21267       | • Duct Assembly, Air C .....  | 1          |
| 7                  | XDOZZ              | 02731       | 7-31 1A21267-5     | •• Seal, Rubber Strip .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-31 1A21275-5     | •• Body, Valve .....  | 1          |
| 9                  | PAOZZ              | 80205       | NAS603-1 1B        | • Screw, Machine .....  | 8          |
| 10                 | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....  | 16         |
| 11                 | PAOZZ              | 02731       | 7-31 1A21257       | • Valve, Butterfly .....  | 3          |
| 12                 | PAOZZ              | 02731       | 7-31 1A21259       | • Gasket .....  | 3          |
| 13                 | PAOZZ              | 80205       | NAS1922-0200-3     | • Clamp, Hose .....   | 4          |
| 14                 | PAOZZ              | 02731       | 7-21 1A21237-5     | • Sleeve, Seal, Coupler .....   | 7          |
| 15                 | PAOOO              | 02731       | 7-31 1A21277       | • Duct Assembly, Air C .....  | 1          |
| 16                 | XDOZZ              | 02731       | 7-31 1A21277-5     | •• Seal, Rubber Strip .....   | 1          |
| 17                 | XDOZZ              | 02731       | 7-31 1A21277-7     | •• Seal, Rubber Strip .....   | 1          |
| 18                 | PAOZZ              | 02731       | HS4174-2           | •• Nut, Self-Locking, Pl .....  | 4          |
| 19                 | PAOZZ              | 02731       | 7-31 1A21259       | •• Gasket .....   | 1          |
| 20                 | PAOZZ              | 96906       | MS21919WDG32       | • Clamp, Loop .....   | 3          |
| 21                 | PAOOO              | 02731       | 7-21 1A21231       | • Hose, Air Duct .....  | 1          |
| 22                 | MOOZZ              | 02731       | 7-21 1A21231-5     | •• Duct Assembly, Air C .....   | 2          |
| 23                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....   | 1          |
| 24                 | PAOZZ              | 96906       | MS21919WDG40       | • Clamp, Loop .....   | 4          |
| 25                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....   | 6          |
| 26                 | PAOZZ              | 02731       | 7-21 1A21237-27    | • Sleeve, Seal, Coupler .....   | 7          |
| 27                 | PAOOO              | 02731       | 7-31 1A21263       | • Duct Assembly, Air C .....  | 1          |
| 28                 | MOOZZ              | 02731       | 7-31 1A21263-5     | •• Seal, Rubber Strip .....   | 2          |
| 29                 | XDOZZ              | 02731       | 7-31 1A21263-7     | •• Seal, Rubber Strip .....   | 1          |
| 30                 | PAOZZ              | 96906       | MS21919WDG10       | • Clamp, Loop .....   | 1          |
| 31                 | PAOZZ              | 02731       | 7-31 1A21253-5     | • Hose, Nonmetallic .....   | 1          |
| 32                 | PAOOO              | 02731       | 7-31 1A21254       | • Bracket, Support, Air .....   | 1          |
| 33                 | PAOZZ              | 02731       | HS4174-2           | •• Nut, Self-Locking, Pl .....  | 2          |
| 34                 | PAOZZ              | 02731       | 7-31 1A21250-3     | • Valve, Butterfly .....  | 3          |
| 35                 | PAOZZ              | 02731       | 7-31 1A21256       | • Gasket .....  | 3          |
| 36                 | PAOOO              | 02731       | 7-31 1A21251       | • Duct Assembly, Air C .....  | 1          |
| 37                 | XDOZZ              | 02731       | 7-31 1A21251-5     | •• Seal, Rubber Strip .....   | 1          |
| 38                 | PAOZZ              | 02731       | HS4174-2           | •• Nut, Self-Locking, Pl .....  | 2          |
| 39                 | PAOZZ              | 80205       | NAS603-16P         | • Screw, Machine .....  | 1          |
| 40                 | PAOOO              | 02731       | 7-31 1A21269       | • Duct Assembly, Air C .....  | 1          |
| 41                 | MOOZZ              | 02731       | 7-31 1A21269-5     | •• Seal, Rubber Strip .....   | 2          |
| 42                 | XDOZZ              | 02731       | 7-31 1A21269-7     | •• Seal, Rubber Strip .....   | 1          |
| 43                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....  | 12         |
| END OF FIGURE      |                    |             |                    |   |            |



M09-619F

Figure 685. Group 13 Crew Environmental Control System (FS 125 to FS 155) LH  
7-311A21200

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 685 Crew Environmental Control System<br>(FS 125 to FS 155) LH<br>7-31 1A21200 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....   | 29         |
| 2                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....   | 2          |
| 3                  | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....   | 16         |
| 4                  | PAOZZ              | 02731       | 7-31 1A21257       | • Valve, Butterfly .....   | 3          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 21         |
| 6                  | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....  | 8          |
| 7                  | XDOZZ              | 02731       | 7-21 1A21237-3     | • Sleeve, Seal, Coupler .....  | 2          |
| 8                  | PAOOO              | 02731       | 7-31 1A21221       | • Hose Assembly, Nonme .....   | 1          |
| 9                  | MOOZZ              | 02731       | 7-31 1A21221-5     | • Seal, Rubber Strip .....   | 1          |
| 10                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....  | 4          |
| 11                 | PAOZZ              | 02731       | 7-31 1A21259       | • Gasket .....   | 1          |
| 12                 | PAOZZ              | 80205       | NAS1922-0225-1     | • Clamp, Hose .....  | 1          |
| 13                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....  | 2          |
| 14                 | XDOZZ              | 02731       | 7-21 1A21237-7     | • Sleeve, Seal, Coupler .....  | 1          |
| 15                 | PAOOO              | 02731       | 7-31 1A21223       | • Duct Assy, Environme .....   | 1          |
| 16                 | MOOZZ              | 02731       | 7-31 1A21223-9     | • Seal, Rubber Strip .....   | 1          |
| 17                 | XDOZZ              | 02731       | 7-31 1A21223-7     | • Seal, Rubber Strip .....   | 1          |
| 18                 | XDOZZ              | 02731       | 7-31 1A21223-1 1   | • Seal, Rubber Strip .....   | 1          |
| 19                 | PAOZZ              | 02731       | 7-31 1A21250-3     | • Valve, Butterfly .....   | 3          |
| 20                 | PAOZZ              | 02731       | 7-31 1A21256       | • Gasket .....   | 3          |
| 21                 | PAOZZ              | 96906       | MS21919WDG24       | • Clamp, Loop .....  | 4          |
| 22                 | PAOZZ              | 02731       | 7-31 1A21253-7     | • Hose, Preformed .....  | 1          |
| 23                 | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine .....   | 2          |
| 24                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....   | 4          |
| 25                 | XDOZZ              | 02731       | 7-31 1A21281       | • Support, Air Outlet .....  | 1          |
| 26                 | PAOOO              | 02731       | 7-31 1A21278       | • Duct Assembly, Air C .....   | 1          |
| 27                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....  | 2          |
| 28                 | MOOZZ              | 02731       | 7-31 1A21278-5     | • Seal, Rubber Strip .....   | 1          |
| 29                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....   | 12         |
| 30                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....   | 6          |
| 31                 | PAOOO              | 02731       | 7-31 1A21240       | • Duct Assembly, Air C .....   | 1          |
| 32                 | XDOZZ              | 02731       | 7-31 1A21240-9     | • Seal, Nonmetallic Ro .....   | 1          |
| 33                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....  | 1          |
| 34                 | PAOZZ              | 02731       | 7-31 1A21240-1 1   | • Spacer, Environmenta .....   | 1          |
| 35                 | PAOZZ              | 02731       | 7-31 1A21240-7     | • Gasket .....   | 1          |
| 36                 | MOOZZ              | 02731       | 7-31 1A21240-5     | • Seal, Environmental .....  | 1          |
| 37                 | PAOOO              | 02731       | 7-31 1A21258-9     | • Stub, Duct Assy .....  | 1          |
| 38                 | XDOZZ              | 02731       | 7-31 1A21258-7     | • Seal, Nonmetallic Ro .....   | 1          |
| 39                 | PAOZZ              | 02731       | 7-31 1A21258-13    | • Gasket .....   | 1          |
| 40                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....  | 2          |
| 41                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....   | 12         |
| END OF FIGURE      |                    |             |                    |  |            |



M09-620D

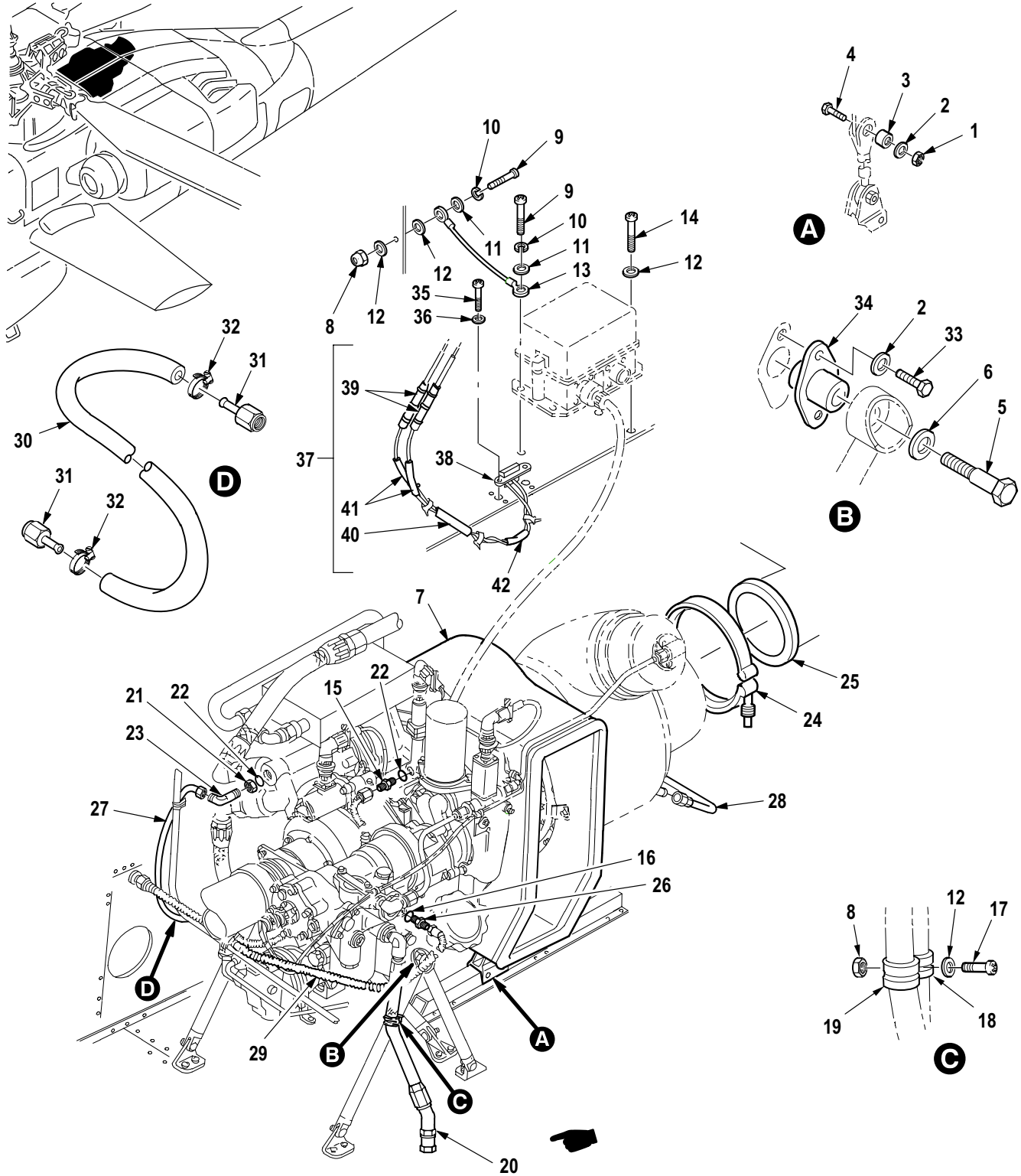
Figure 686. Group 13 Crew Environmental Control System RH  
7-311A21200



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 686 Crew Environmental Control System RH<br>7-31 1A21200 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS43DD3-24N       | • Spacer, Sleeve .....   | 2          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....   | 21         |
| 4                  | PAOZZ              | 80205       | NAS603-14P         | • Screw, Machine .....   | 3          |
| 5                  | XDOZZ              | 80205       | NAS43DD3-10N       | • Spacer, Sleeve .....   | 2          |
| 6                  | PAOZZ              | 96906       | MS21919WDG16       | • Clamp, Loop .....  | 3          |
| 7                  | XDOZZ              | 80205       | NAS1922-0125-1     | • Clamp, Hose .....  | 4          |
| 8                  | PAOZZ              | 02731       | 7-21 1A21237-37    | • Sleeve, Seal, Coupler .....  | 2          |
| 9                  | PAOOO              | 02731       | 7-31 1A21274       | • Duct Assembly, Air C .....   | 1          |
| 10                 | MOOZZ              | 02731       | 7-31 1A21274-5     | • Seal, Rubber Strip .....   | 1          |
| 11                 | PAOOO              | 02731       | 7-31 1A21273       | • Duct Assembly, Air C .....   | 1          |
| 12                 | MOOZZ              | 02731       | 7-31 1A21273-5     | • Seal, Rubber Strip .....   | 2          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....   | 29         |
| 14                 | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....   | 16         |
| 15                 | PAOZZ              | 02731       | 7-31 1A21260       | • Valve, Regulating, Te .....  | 2          |
| 16                 | PAOZZ              | 02731       | 7-31 1A21276       | • Gasket .....   | 2          |
| 17                 | PAOZZ              | 80205       | NAS1096-2-7        | • Screw, Machine .....   | 2          |
| 18                 | PAOZZ              | 88044       | AN960KD8L          | • Washer, Flat .....   | 2          |
| 19                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....   | 12         |
| 20                 | PAOZZ              | 96906       | MS21919WDG40       | • Clamp, Loop .....  | 4          |
| 21                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....  | 10         |
| 22                 | PAOZZ              | 02731       | 7-21 1A21237-27    | • Sleeve, Seal, Coupler .....  | 7          |
| 23                 | PAOOO              | 02731       | 7-31 1A21272-17    | • Duct Assembly, Air C .....   | 1          |
| 24                 | MOOZZ              | 02731       | 7-31 1A21272-5     | • Seal, Rubber Strip .....   | 1          |
| 25                 | MOOZZ              | 02731       | 7-31 1A21272-7     | • Seal, Rubber Strip .....   | 1          |
| 26                 | PAOZZ              | 96906       | MS21073L3          | • Nut, Self-Locking, Pl .....  | 2          |
| 27                 | PAOZZ              | 02731       | 7-31 1A21272-19    | • Shim .....   | 1          |
| 28                 | PAOOO              | 02731       | 7-31 1A21266       | • Duct Assembly, Air C .....   | 1          |
| 29                 | MOOZZ              | 02731       | 7-31 1A21266-5     | • Seal, Rubber Strip .....   | 2          |
| 30                 | PAOZZ              | 02731       | 7-31 1A21275-3     | • Restrictor, Fluid Fl .....   | 1          |
| 31                 | PAOZZ              | 02731       | HS4922-04-40-32    | • Clamp, Loop .....  | 2          |
| 32                 | PAOOO              | 02731       | 7-31 1A21265       | • Duct Assembly, Air C .....   | 1          |
| 33                 | MOOZZ              | 02731       | 7-31 1A21265-5     | • Seal, Rubber Strip .....   | 2          |
| 34                 | PAOZZ              | 80205       | NAS603-1 1B        | • Screw, Machine .....   | 8          |
| 35                 | PAOZZ              | 02731       | 7-31 1A21257       | • Valve, Butterfly .....   | 3          |
| 36                 | PAOZZ              | 02731       | 7-31 1A21259       | • Gasket .....   | 3          |
| 37                 | XDFZZ              | 02731       | 7-21 1A21237-35    | • Sleeve, Seal, Coupler .....  | 2          |
| 38                 | PAOOO              | 02731       | 7-31 1A21264       | • Duct Assembly, Air C .....   | 1          |
| 39                 | MOOZZ              | 02731       | 7-31 1A21264-5     | • Seal, Rubber Strip .....   | 1          |
| 40                 | MOOZZ              | 02731       | 7-31 1A21264-7     | • Seal, Rubber Strip .....   | 1          |
| 41                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....  | 4          |
| 42                 | PAOOO              | 02731       | 7-31 1A21261       | • Duct Assembly, Air C .....   | 1          |
| 43                 | XDOZZ              | 02731       | 7-31 1A21261-5     | • Seal, Rubber Strip .....   | 2          |
| 44                 | PAOOO              | 02731       | 7-31 1A21279       | • Duct Assembly, Air C .....   | 1          |
| 45                 | XDOZZ              | 02731       | 7-31 1A21279-7     | • Shim .....   | 1          |
| 46                 | XDOZZ              | 02731       | 7-31 1A21279-9     | • Shim .....   | 1          |
| 47                 | MOOZZ              | 02731       | 7-31 1A21279-5     | • Seal, Rubber Strip .....   | 1          |
| 48                 | PAOZZ              | 96906       | MS21073L3          | • Nut, Self-Locking, Pl .....  | 2          |
| 49                 | PAOZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....  | 2          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 50                 | PAOZZ              | 80205       | NAS1922-0200-3     | • Clamp, Hose .....                         | 10         |
| 51                 | PAOZZ              | 02731       | 7-21 1A21237-5     | • Sleeve, Seal, Coupler .....               | 7          |
| 52                 | PAOOO              | 02731       | 7-31 1A21280       | • Duct Assembly, Air C .....                | 1          |
| 53                 | MOOZZ              | 02731       | 7-31 1A21280-5     | •• Seal, Rubber Strip .....                 | 2          |
| 54                 | PAOOO              | 02731       | 7-31 1A21270       | • Duct Assembly, Air C .....                | 1          |
| 55                 | MOOZZ              | 02731       | 7-31 1A21270-5     | •• Seal, Rubber Strip .....                 | 1          |
| 56                 | MOOZZ              | 02731       | 7-31 1A21270-7     | •• Seal, Rubber Strip .....                 | 2          |
| 57                 | PAOZZ              | 80205       | NAS603-20P         | • Screw, Machine .....                      | 1          |
| 58                 | PAOZZ              | 96906       | MS21919WDG32       | • Clamp, Loop .....                         | 3          |
| 59                 | PAOOO              | 02731       | 7-31 1A21268       | • Duct Assembly, Air C .....                | 1          |
| 60                 | MOOZZ              | 02731       | 7-31 1A21268-5     | •• Seal, Rubber Strip .....                 | 2          |
| 61                 | PAOOO              | 02731       | 7-31 1A21262       | • Duct Assembly, Air C .....                | 1          |
| 62                 | MOOZZ              | 02731       | 7-31 1A21262-5     | •• Seal, Rubber Strip .....                 | 1          |
| 63                 | XDOZZ              | 02731       | 7-31 1A21262-7     | •• Seal, Rubber Strip .....                 | 2          |
| 64                 | PAOZZ              | 02731       | 7-31 1A21250-3     | • Valve, Butterfly .....                    | 3          |
| 65                 | PAOZZ              | 02731       | 7-31 1A21256       | • Gasket .....                              | 3          |
| 66                 | PAOOO              | 02731       | 7-31 1A21203       | • Duct Assy, Environme .....                | 1          |
| 67                 | MOOZZ              | 02731       | 7-31 1A21203-7     | •• Seal, Rubber Strip .....                 | 1          |
| 68                 | XDOZZ              | 02731       | 7-31 1A21203-9     | •• Seal, Rubber Strip .....                 | 1          |
| 69                 | PAOZZ              | 96906       | MS21073L3          | •• Nut, Self-Locking, Pl .....              | 2          |
| 70                 | XDOZZ              | 02731       | 7-31 1A21203-13    | •• Shim .....                               | 1          |
| 71                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....                        | 12         |
| 72                 | XDOZZ              | 02731       | 7-31 1A21200-3     | • Fastener Tape, Pile .....                 | 3          |
| END OF FIGURE      |                    |             |                    |   |            |

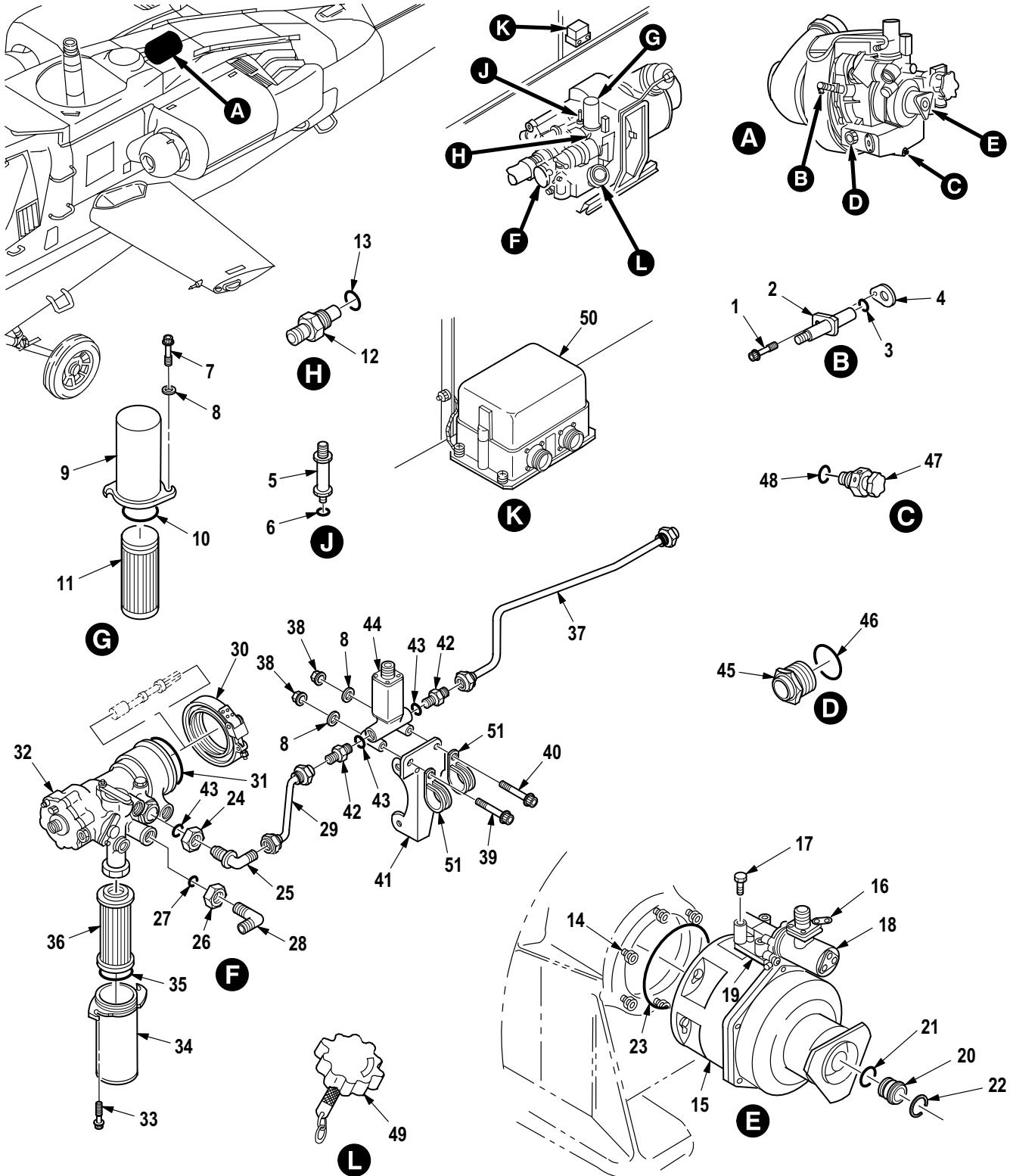




M09-469N

Figure 687. Group 15 Auxiliary Power Unit Installation  
7-31 1651000-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER  | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|---------------------|--|------------|
|                    |                    |             |                     | Group 15 Auxiliary Power Plant<br>Fig. 687 Auxiliary Power Unit Installation<br>7-31 1651000-601 |            |
| 1                  | PAOZZ              | 80205       | MS21042-4           | • Nut, Self-Locking, Ex .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149F0432P       | • Washer, Flat .....   | 5          |
| 3                  | PAOZZ              | 02731       | HS626-S-4-130       | • Bushing, Sleeve .....  | 1          |
| 4                  | PAOZZ              | 80205       | NAS6604H10          | • Bolt, Shear .....  | 1          |
| 5                  | PAOZZ              | 80205       | NAS1297-5H9         | • Bolt, Shoulder .....   | 2          |
| 6                  | PAOZZ              | 88044       | NAS1149F0663P       | • Washer, Flat .....   | 2          |
| 7                  | PAODD              | 02731       | 7-21 1651002-5      | • Engine, Gas Turbine<br>(See Figs. 688 thru 690 for Breakdown) .....                            | 1          |
| 8                  | PAOZZ              | 80205       | MS21042-3           | • Nut, Self-Locking, Ex .....  | 4          |
| 9                  | PAOZZ              | 02731       | HS4179-3-6          | • Screw, Machine .....   | 2          |
| 10                 | PAOZZ              | 96906       | MS35338-138         | • Washer, Lock .....   | 2          |
| 11                 | PAOZZ              | 80205       | NAS1149C0332R       | • Washer, Flat .....   | 2          |
| 12                 | PAOZZ              | 88044       | NAS1149D0316H       | • Washer, Flat .....   | 4          |
| 13                 | PAOZZ              | 81349       | M83413/8-G06BB      | • Lead, Electrical .....   | 1          |
| 14                 | PAOZZ              | 80205       | NAS1096-3-9         | • Screw, Machine .....   | 3          |
| 15                 | PAOZZ              | 02731       | 7-31 1651014        | • Adapter, Vent .....  | 1          |
| 16                 | PAOZZ              | 96906       | MS28778-3           | • O-Ring .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1403-3           | • Screw, Machine .....   | 2          |
| 18                 | PAOZZ              | 96906       | MS21919WDF9         | • Clamp, Loop .....  | 1          |
| 19                 | PAOZZ              | 96906       | MS21919WDF14        | • Clamp, Loop .....  | 1          |
| 20                 | PAOZZ              | 02731       | 7-21 1643064-3      | • Hose Assembly, Nonme .....   | 1          |
| 21                 | PAOZZ              | 88044       | AN924-4             | • Nut, Plain, Hexagon .....  | 1          |
| 22                 | PAOZZ              | 96906       | MS28778-4           | • O-Ring .....   | 2          |
| 23                 | PAOZZ              | 96906       | MS21926-4           | • Elbow, Tube .....  | 1          |
| 24                 | PAOZZ              | 02731       | 7-21 1651005        | • Coupling, Clamp Auxi .....   | 1          |
| 25                 | PAOZZ              | 02731       | 7-21 1651003        | • Nozzle, Exhaust .....  | 1          |
| 26                 | PAOZZ              | 96906       | MS21902D4           | • Nipple, Boss .....   | 1          |
| 27                 | PAOZZ              | 05593       | CRN-2894-1-0130     | • Hose Assembly, Nonme .....   | 1          |
| 28                 | PAOZZ              | 02731       | 7-21 1651008        | • Hose Assembly, Nonme .....   | 1          |
| 29                 | PAOZZ              | 02731       | HS4546-1-240        | • Tubing, Flexible, Pla .....  | 1          |
| 30                 | MOOZZ              | 61501       | R3603 3/16X5/16 X25 | • Tubing, Nonmetallic .....  | 1          |
| 31                 | PAOZZ              | 02731       | 7-21 1310218-609    | • Tube Assembly, Metal .....   | 2          |
| 32                 | PAOZZ              | 02731       | HS4568-25           | • Clamp, Hose .....  | 2          |
| 33                 | PAOZZ              | 80205       | NAS6604H3           | • Bolt, Shear .....  | 4          |
| 34                 | PAOZZ              | 02731       | 7-21 1651019        | • Fitting Mount .....  | 2          |
| 35                 | PAOZZ              | 80205       | NAS600-10P          | • Screw, Machine .....   | 2          |
| 36                 | PAOZZ              | 88044       | NAS1149CN432R       | • Washer, Flat .....   | 2          |
| 37                 | XCOOO              | 02731       | 7-31 1B24657-003    | • Wiring Harness W657 .....  | 1          |
| 38                 | PAOZZ              | 02731       | HS5906-1            | • Meter, Time Totalizi .....   | 1          |
| 39                 | PAOZZ              | 02731       | HS4800-122          | • Terminal Junction B .....  | 2          |
| 40                 | XDOZZ              | 02731       | HS4910-1002         | • Marker Blanks, Cable .....   | 1          |
| 41                 | XDOZZ              | 02731       | HS5189-1091         | • Sleeve, Marker, Cable .....  | 2          |
| 42                 | XDOZZ              | 02731       | HS5189-1 181        | • Sleeve, Marker, Cable .....  | 1          |
| END OF FIGURE      |                    |             |                     |  |            |



M09-705J

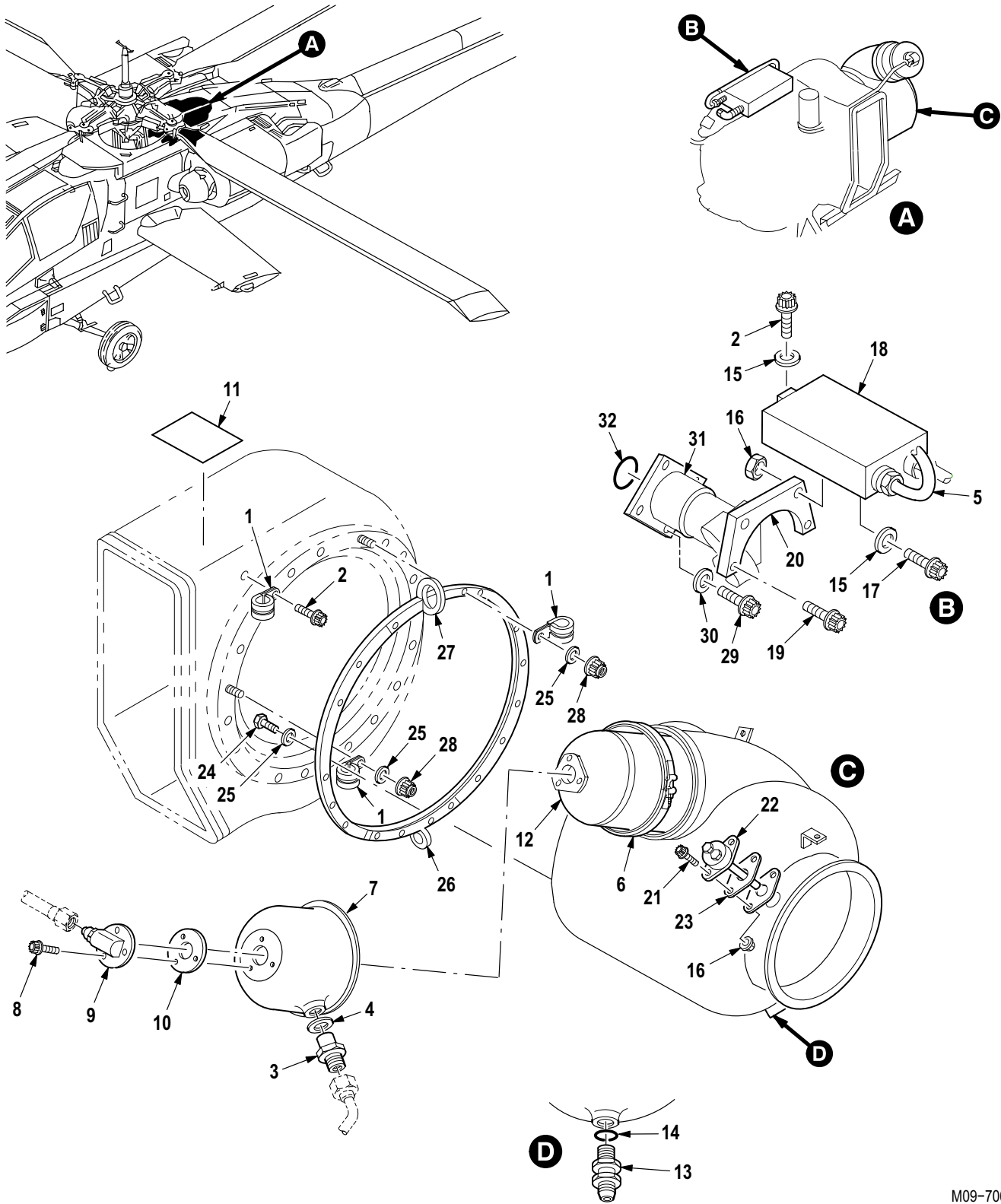
Figure 688. Group 15 Engine, Gas Turbine (Front)  
7-21 1651002-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 688 Engine, Gas Turbine (Front)<br>7-21 1651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS9556-07          | • Bolt, Machine .....  | 1          |
| 2                  | PAOZZ              | 99193       | 3876000-1          | • Transducer, Motional .....   | 1          |
| 3                  | PAOZZ              | 99193       | S9413-016          | • Packing, Preformed .....   | 1          |
| 4                  | PAOZZ              | 99193       | 3876006-1          | • Shim .....   | 1          |
| 5                  | PAOZZ              | 99193       | 3876001-3          | • Switch, Pressure .....   | 1          |
| 6                  | PAOZZ              | 99193       | S9413-554          | • Packing, Preformed .....   | 3          |
| 7                  | PAOZZ              | 96906       | MS9565-08          | • Bolt, Machine .....  | 2          |
| 8                  | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....   | 2          |
| 9                  | PAOZZ              | 99193       | 899790-6           | • Housing, Filter .....  | 1          |
| 10                 | PAOZZ              | 99193       | S9413-034          | • Packing, Preformed .....   | 1          |
| 11                 | PAOZZ              | 99193       | 3001436-1          | • Filter, Oil .....  | 1          |
| 12                 | PAOZZ              | 99193       | 3862095-2          | • Bolt, Fluid Passage .....  | 1          |
| 13                 | PAOZZ              | 81349       | M83248/1-903       | • O-Ring .....   | 1          |
| 14                 | PAOZZ              | 99193       | S9431-5            | • Nut, Self-Locking, He .....  | 6          |
| 15                 | PAODD              | 99193       | 3886000-5          | • Clutch Assy, APU .....   | 1          |
| 16                 | PAOZZ              | 81349       | M83413/8-A02BB     | • • Lead, Electrical .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS9556-14          | • • Bolt, Machine .....  | 3          |
| 18                 | PAOZZ              | 99193       | 320462-2           | • • Valve, Solenoid .....  | 1          |
| 19                 | PAOZZ              | 99193       | 3886024-1          | • • Gasket .....   | 1          |
| 20                 | PAOZZ              | 99193       | 3886028-1          | • • Plug, Shaft .....  | 1          |
| 21                 | PAOZZ              | 99193       | S9413-1 13         | • • Packing, Preformed .....   | 1          |
| 22                 | PAOZZ              | 81349       | M27426-31 12D      | • • Ring, Retaining .....  | 1          |
| 23                 | PAOZZ              | 99193       | S9413-241          | • Packing, Preformed .....   | 1          |
| 24                 | PAOZZ              | 88044       | AN924-4J           | • Nut, Plain, Hexagon .....  | 1          |
| 25                 | PAOZZ              | 88044       | AN833-4J           | • Elbow, Tube .....  | 1          |
| 26                 | PAOZZ              | 81352       | AN924-6J           | • Nut, Plain, Hexagon .....  | 1          |
| 27                 | PAOZZ              | 99193       | S9412-556          | • Packing, Preformed .....   | 1          |
| 28                 | PAOZZ              | 96906       | MS21908-J6         | • Elbow, Tube .....  | 1          |
| 29                 | PAOZZ              | 99193       | 3882522-1          | • Tube Assembly, Metal .....   | 1          |
| 30                 | PAOZZ              | 99193       | 234-51 1-9059      | • Coupling, Clamp, Groo .....  | 1          |
| 31                 | PAOZZ              | 99193       | S9413-036          | • Packing, Preformed .....   | 1          |
| 32                 | PAODD              | 99193       | 3882660-2          | • Fuel Control Assy, A .....   | 1          |
| 33                 | PAOZZ              | 96906       | MS9556-08          | • • Bolt, Machine .....  | 2          |
| 34                 | PAOZZ              | 99193       | 3882608-2          | • • Cover, Fluid Filter .....  | 1          |
| 35                 | PAOZZ              | 99193       | S9412-138          | • • Packing, Preformed .....   | 1          |
| 36                 | PAOZZ              | 99193       | 3882693-1          | • • Filter Assembly, Fue .....   | 1          |
| 37                 | PAOZZ              | 99193       | 3882539-1          | • Tube Assembly, Metal .....   | 1          |
| 38                 | PAOZZ              | 99193       | S9425-3            | • Nut, Self-Locking, Ex .....  | 1          |
| 39                 | PAOZZ              | 96906       | MS9556-24          | • Bolt .....   | 1          |
| 40                 | PAOZZ              | 96906       | MS9556-25          | • Bolt, Machine .....  | 1          |
| 41                 | PAOZZ              | 99193       | 3882644-2          | • Bracket, Solenoid .....  | 1          |
| 42                 | PAOZZ              | 88044       | AN815-4J           | • Nipple, Tube .....   | 2          |
| 43                 | PAOZZ              | 99193       | S9412-554          | • Packing, Preformed .....   | 3          |
| 44                 | PAOZZ              | 99193       | 692545-6           | • Valve, Solenoid .....  | 1          |
| 45                 | PAOZZ              | 99193       | 421-517-9501       | • Indicator, Sight, Liq .....  | 1          |
| 46                 | PAOZZ              | 81349       | M83248/1-916       | • O-Ring .....   | 1          |
| 47                 | PAOZZ              | 99193       | 572-510-9151       | • Plug, Machine Thread .....   | 1          |
| 48                 | PAOZZ              | 81349       | M83248/1-905       | • O-Ring .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 49                 | PAOZZ              | 99193       | 899979-4           | • Gage, Rod-Cap, Liquid .....               | 1          |
| 50                 | PAODD              | 64547       | 2101790-6-3        | • Control, Temperature .....                | 1          |
| 51                 | PAOZZ              | 99193       | TA12C59TH02HB      | • Clamp, Loop .....                         | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



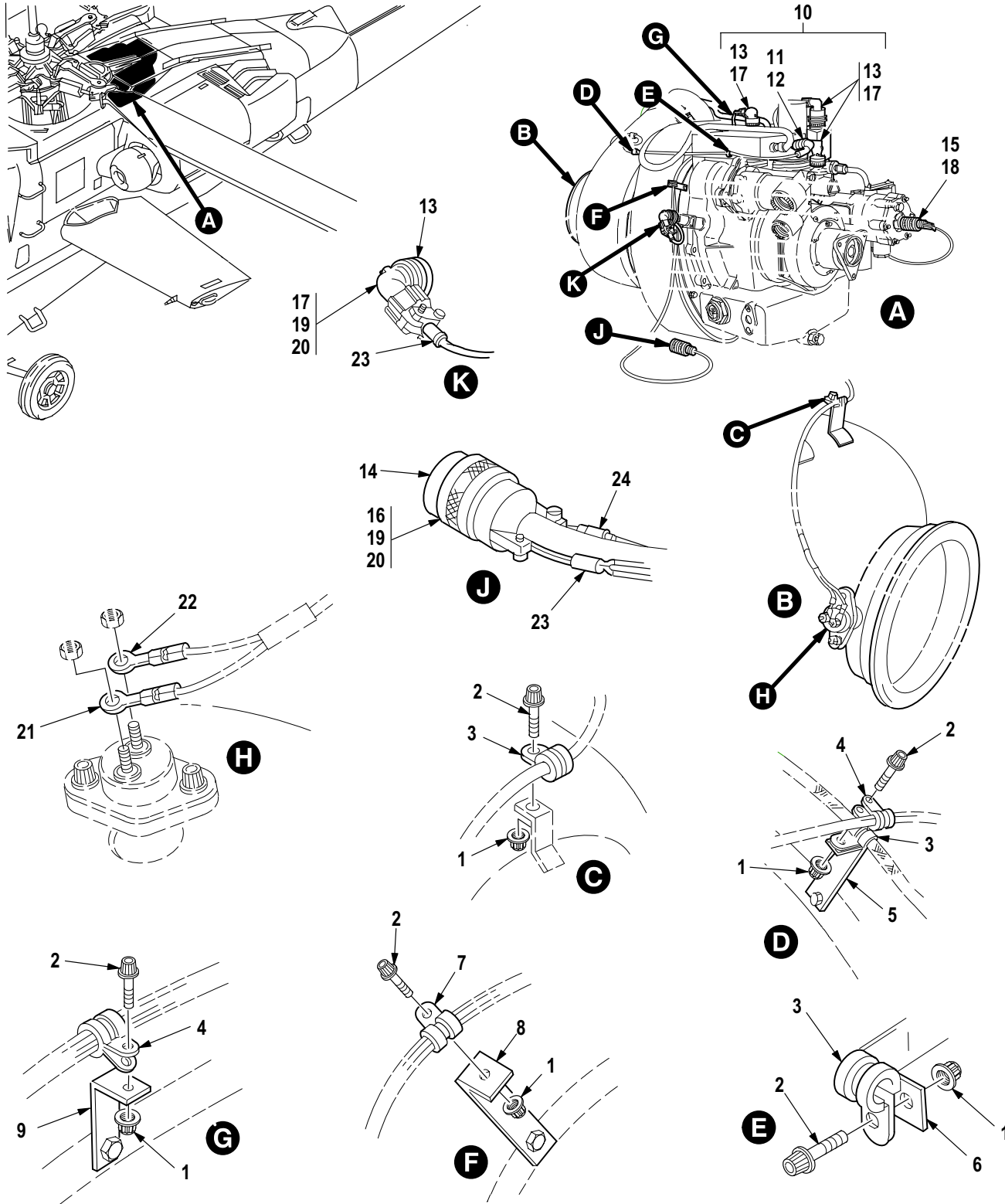




M09-706B

Figure 689. Group 15 Engine, Gas Turbine (Rear)  
7-21 1651002-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 689 Engine, Gas Turbine (Rear)<br>7-21 1651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 99193       | 211-501-91 15      | • Clamp .....   | 3          |
| 2                  | PAOZZ              | 96906       | MS9556-05          | • Bolt, Machine .....   | 3          |
| 3                  | PAOZZ              | 99193       | 369964-6           | • Igniter, Spark, Gas T .....   | 1          |
| 4                  | PAOZZ              | 99193       | 12707391           | • Gasket, Ignitor .....   | 1          |
| 5                  | PAOZZ              | 99193       | 3888113-1          | • Lead, Electrical .....  | 1          |
| 6                  | PAOZZ              | 99193       | 234-538-9530       | • Clamp .....   | 1          |
| 7                  | PAOZZ              | 99193       | 3830037-2          | • Cap, Comb Chamber .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS9565-06          | • Bolt, Machine .....   | 3          |
| 9                  | PAOZZ              | 99193       | 3830061-2          | • Nozzle, Fuel .....  | 1          |
| 10                 | PAOZZ              | 99193       | 3612610-1          | • Gasket .....  | 1          |
| 11                 | XDOZZ              | 99193       | 759334-1           | • Plate, Ident .....  | 1          |
| 12                 | PAODD              | 99193       | 3830077-4          | • Combustion Chamber .....  | 1          |
| 13                 | PAOZZ              | 99193       | 968214-1           | • Valve Assy .....  | 1          |
| 14                 | PAOZZ              | 99193       | S9413-554          | • Packing, Preformed .....  | 1          |
| 15                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....  | 2          |
| 16                 | PAOZZ              | 99193       | S9425-3            | • Nut, Self-Locking, Ex .....   | 2          |
| 17                 | PAOZZ              | 96906       | MS9556-14          | • Bolt, Machine .....   | 2          |
| 18                 | PAOZZ              | 99193       | 3888042-3          | • Ignition Unit .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS9557-13          | • Bolt .....  | 3          |
| 20                 | PAOZZ              | 99193       | 3888112-1          | • Bracket, Ignition .....   | 1          |
| 21                 | PAOZZ              | 96906       | MS9556-07          | • Bolt, Machine .....   | 2          |
| 22                 | PAOZZ              | 99193       | 3876003-1          | • Thermocouple, Immers .....  | 1          |
| 23                 | PAOZZ              | 99193       | 3612517-1          | • Gasket .....  | 1          |
| 24                 | PAOZZ              | 96906       | MS9565-16          | • Bolt, Machine .....   | 24         |
| 25                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....  | 22         |
| 26                 | PAOZZ              | 99193       | 3870036-1          | • Mount Assembly, APU .....   | 1          |
| 27                 | PAOZZ              | 99193       | 3870015-1          | • Adapter, Hoisting .....   | 1          |
| 28                 | PAOZZ              | 99193       | S9431-3            | • Nut, Self-Locking, Ex .....   | 20         |
| 29                 | PAOZZ              | 96906       | MS9557-12          | • Bolt .....  | 1          |
| 30                 | PAOZZ              | 80205       | NAS620C416L        | • Washer, Flat .....  | 1          |
| 31                 | PAODD              | 99193       | 4100196-2          | • Starter, Hydraulic .....  | 1          |
| 32                 | PAOZZ              | 99193       | S9413-034          | • Packing, Preformed .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-707D

Figure 690. Group 15 Engine, Gas Turbine (Wiring Harness)  
7-21 1651002-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 690 Engine, Gas Turbine (Wiring Harness)<br>7-21 1651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....   | 7          |
| 2                  | PAOZZ              | 96906       | MS9556-24          | • Bolt .....  | 2          |
| 3                  | PAOZZ              | 99193       | TA12C59TH02HB      | • Clamp, Loop .....   | 4          |
| 4                  | PAOZZ              | 99193       | TA12C59TH03HB      | • Clamp, Loop .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS9592-027         | • Bracket, Angle .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS9592-014         | • Bracket, Angle .....  | 1          |
| 7                  | PAOZZ              | 99193       | TA12C59TH04HB      | • Clamp, Loop .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS9592-020         | • Bracket, Angle .....  | 1          |
| 9                  | PAOZZ              | 96906       | MS9592-048         | • Bracket, Angle .....  | 1          |
| 10                 | PAOFF              | 99193       | 3888085-4          | • Wiring Harness .....  | 1          |
| 11                 | PAFZZ              | 96906       | M85049/47W10       | • Adapter, Cable Clamp .....  | 1          |
| 12                 | PAFZZ              | 96906       | MS27467T11F98S     | • Connector, Plug, Elec .....   | 1          |
| 13                 | PAFZZ              | 96906       | MS3456L10SL3S      | • Connector, Plug, Elec .....   | 1          |
| 14                 | PAFZZ              | 81349       | M83723/76R1831N    | • Connector, Plug, Elec .....   | 1          |
| 15                 | PAFZZ              | 81349       | M83723-86R1005N    | • Connector, Plug, Elec .....   | 1          |
| 16                 | PAFZZ              | 81349       | M85049/52-1-18W    | • Clamp, Cable, Electri .....   | 1          |
| 17                 | PAFZZ              | 81349       | M83723/35A11R      | • Adapter, Cable Clamp .....  | 4          |
| 18                 | PAFZZ              | 81349       | MS3418-10N         | • Clamp, Cable, Electri .....   | 1          |
| 19                 | XDFZZ              | 81349       | M83723-23-20       | • Connector, Rcpt .....   | V          |
| 20                 | PAFZZ              | 81349       | M83723-28-16       | • Connector, Rcpt .....   | V          |
| 21                 | PAFZZ              | 99193       | 724-505-9014       | • Terminal, Lug .....   | 1          |
| 22                 | PAFZZ              | 99193       | 724-505-9013       | • Terminal, Lug .....   | 1          |
| 23                 | PAFZZ              | 99193       | 672-503-9002       | • Splice, Conductor .....   | 2          |
| 24                 | PAFZZ              | 99193       | 672-503-9003       | • Splice, Conductor .....   | 1          |
|                    |                    |             |                    | END OF FIGURE   |            |

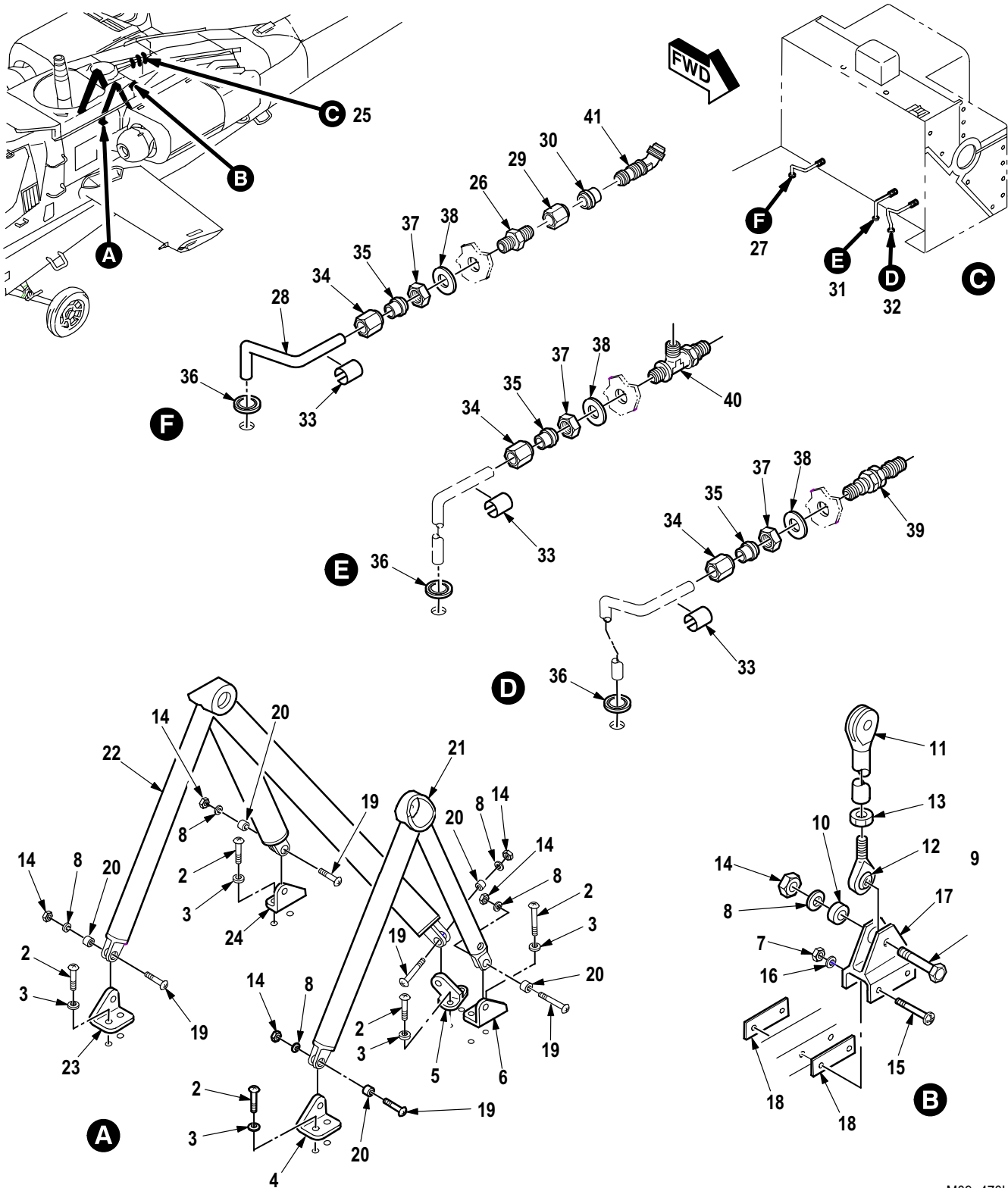
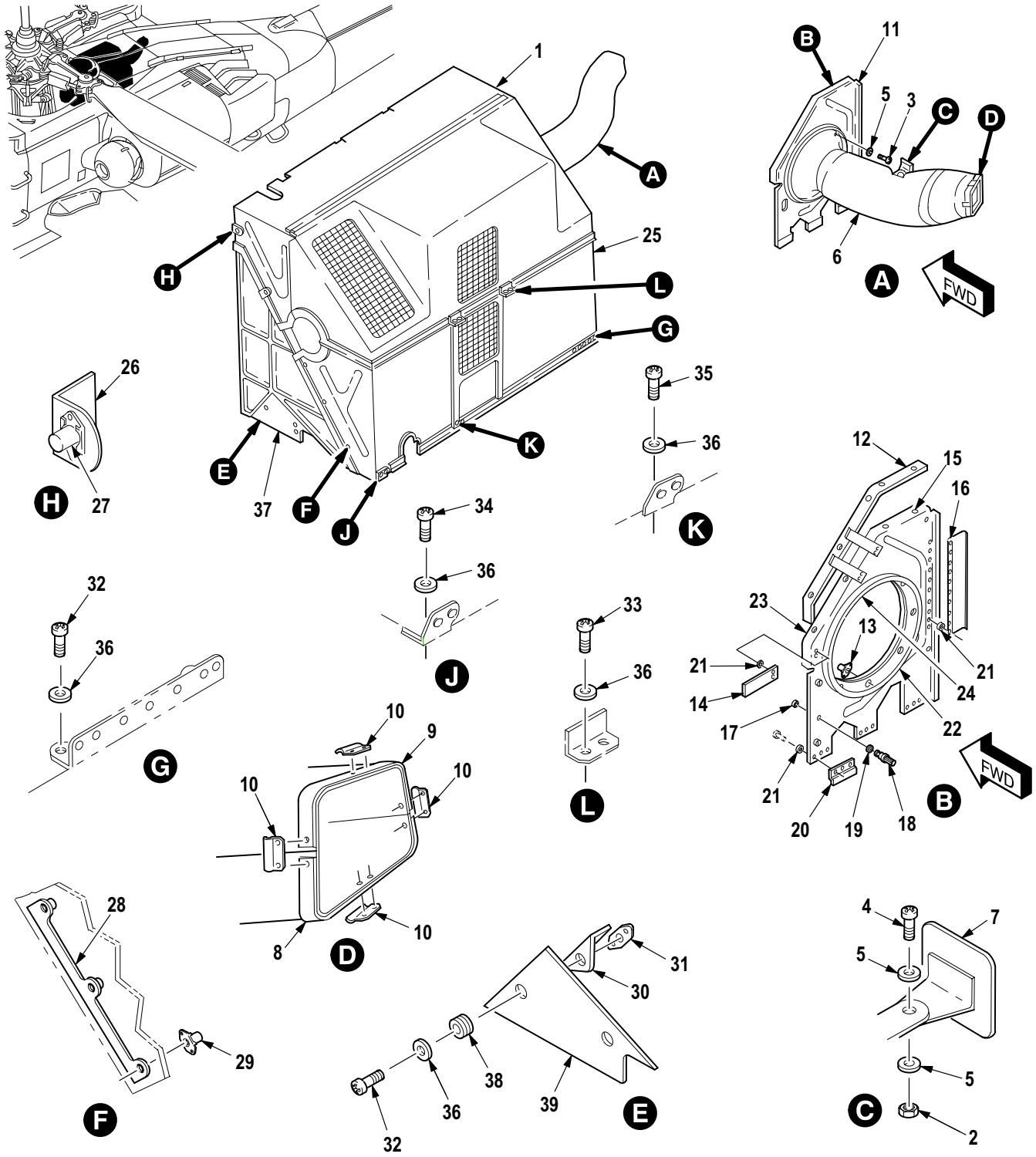


Figure 691. Group 15 Auxiliary Power Unit Mount and Drain Installation  
7-31 1650000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 691 Auxiliary Power Unit Mount and<br>Drain Installation<br>7-31 1650000 |            |
| 1                  | XCOOO              | 02731       | 7-31 1651006-601   | • Mount Instl, Apu (Not Illustrated-Installation Drawing) . . . .   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-6          | •• Screw, Machine . . . . .   | 6          |
| 3                  | PAOZZ              | 80205       | NAS620C10L         | •• Washer, Flat . . . . .   | 10         |
| 4                  | PAOZZ              | 02731       | 7-1 17500021       | •• Fitting . . . . .  | 1          |
| 5                  | PAOZZ              | 02731       | 7-1 17500022-3     | •• Fitting . . . . .  | 1          |
| 6                  | PAOZZ              | 02731       | 7-1 17500037       | •• Fitting . . . . .  | 1          |
| 7                  | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex . . . . .  | 2          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | •• Washer, Flat . . . . .   | 6          |
| 9                  | PAOZZ              | 80205       | NAS6604H10         | •• Bolt, Shear . . . . .  | 1          |
| 10                 | PAOZZ              | 02731       | HS626-S-4-130      | •• Bushing, Sleeve . . . . .  | 1          |
| 11                 | PAOZZ              | 02731       | 7-21 1651007       | •• Strut Support, Auxil . . . . .   | 1          |
| 12                 | PAOZZ              | 81349       | M81935/1-04        | •• Bearing, Plain, Rod E . . . . .  | 1          |
| 13                 | PAOZZ              | 88044       | AN316C5R           | •• Nut, Plain, Hexagon . . . . .  | 1          |
| 14                 | PAOZZ              | 80205       | MS21042-4          | •• Nut, Self-Locking, Ex . . . . .  | 6          |
| 15                 | PAOZZ              | 80205       | NAS1403-18         | •• Screw, Machine . . . . .   | 1          |
| 16                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat . . . . .   | 2          |
| 17                 | PAOZZ              | 02731       | 7-21 1651009       | •• Fitting, Auxiliary P . . . . .   | 1          |
| 18                 | PAOZZ              | 02731       | 7-31 1651006-3     | •• Shim . . . . .   | V          |
| 19                 | PAOZZ              | 80205       | NAS6604H9          | •• Bolt, Shear . . . . .  | 5          |
| 20                 | PAOZZ              | 02731       | HS626-S-4-205      | •• Bushing, Sleeve . . . . .  | 5          |
| 21                 | PAOZZ              | 02731       | 7-31 1651028       | •• Truss Assembly . . . . .   | 1          |
| 22                 | PAOZZ              | 8V613       | 7-31 1651027       | •• Truss, Support . . . . .   | 1          |
| 23                 | PAOZZ              | 02731       | 7-31 1651020       | •• Fitting, Auxiliary P . . . . .   | 1          |
| 24                 | PAOZZ              | 02731       | 7-31 1651021       | •• Fitting, Mount . . . . .   | 1          |
| 25                 | XCOOO              | 02731       | 7-31 1651010       | • Drain Line Instl . . . . .  | 1          |
| 26                 | PAOZZ              | 96906       | MS21924-4S         | •• Union . . . . .  | 1          |
| 27                 | MFOFF              | 02731       | 7-31 1651011-5     | •• Tube Assy . . . . .  | 1          |
| 28                 | PAOZZ              | 02731       | 7-31 1651011-7     | ••• Tube, Metallic . . . . .  | 1          |
| 29                 | PAOZZ              | 96906       | MS21921-4J         | ••• Nut, Tube Coupling . . . . .  | 1          |
| 30                 | PAOZZ              | 96906       | MS21922-4          | ••• Sleeve, Clinch, Tube . . . . .  | 1          |
| 31                 | MFOFF              | 02731       | 7-31 1651012       | •• Tube Assy . . . . .  | 1          |
| 32                 | MFOFF              | 02731       | 7-31 1651013       | •• Tube Assy . . . . .  | 1          |
| 33                 | XDOZZ              | 02731       | HS4367-2           | ••• Plate, Identificatio . . . . .  | 1          |
| 34                 | PAOZZ              | 96906       | MS21921-4J         | ••• Nut, Tube Coupling . . . . .  | 1          |
| 35                 | PAOZZ              | 96906       | MS21922-4          | ••• Sleeve, Clinch, Tube . . . . .  | 1          |
| 36                 | PAOZZ              | 96906       | MS35489-6          | •• Grommet, Nonmetallic . . . . .   | 3          |
| 37                 | PAOZZ              | 88044       | AN924-4S           | •• Nut, Plain, Hexagon . . . . .  | 3          |
| 38                 | PAOZZ              | 96906       | MS9549-13          | •• Washer, Flat . . . . .   | 4          |
| 39                 | PAOZZ              | 96906       | MS21923-4S         | •• Adapter, Straight, Tu . . . . .  | 1          |
| 40                 | PAOZA              | 96906       | MS21909R4          | •• Tee, Tube . . . . .  | 1          |
| 41                 | PAOZZ              | 96906       | MS24396-4          | •• Elbow, Tube . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

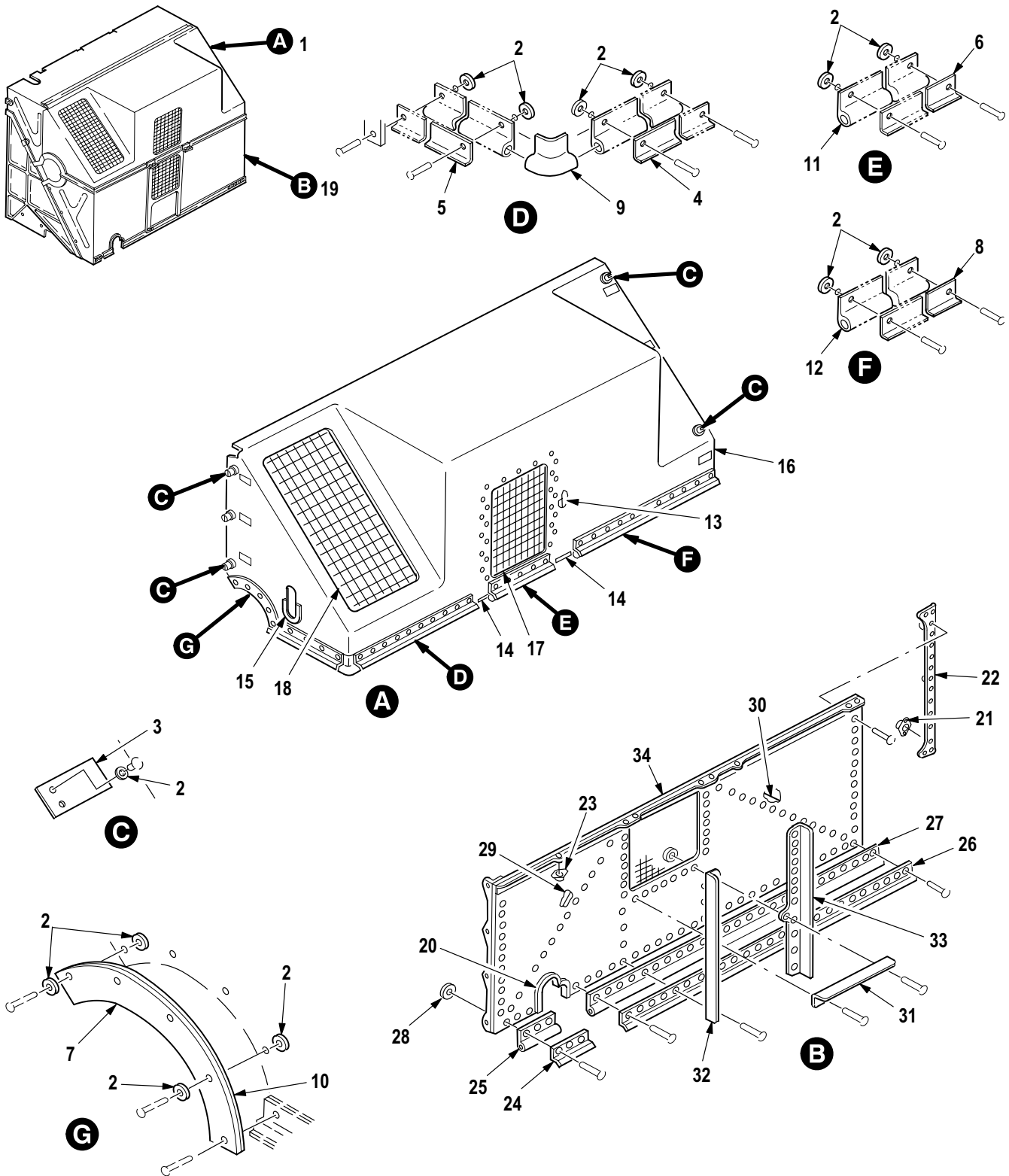


M09-681E

Figure 692. Group 15 Auxiliary Power System (Exhaust and Enclosure)  
7-31 1650000



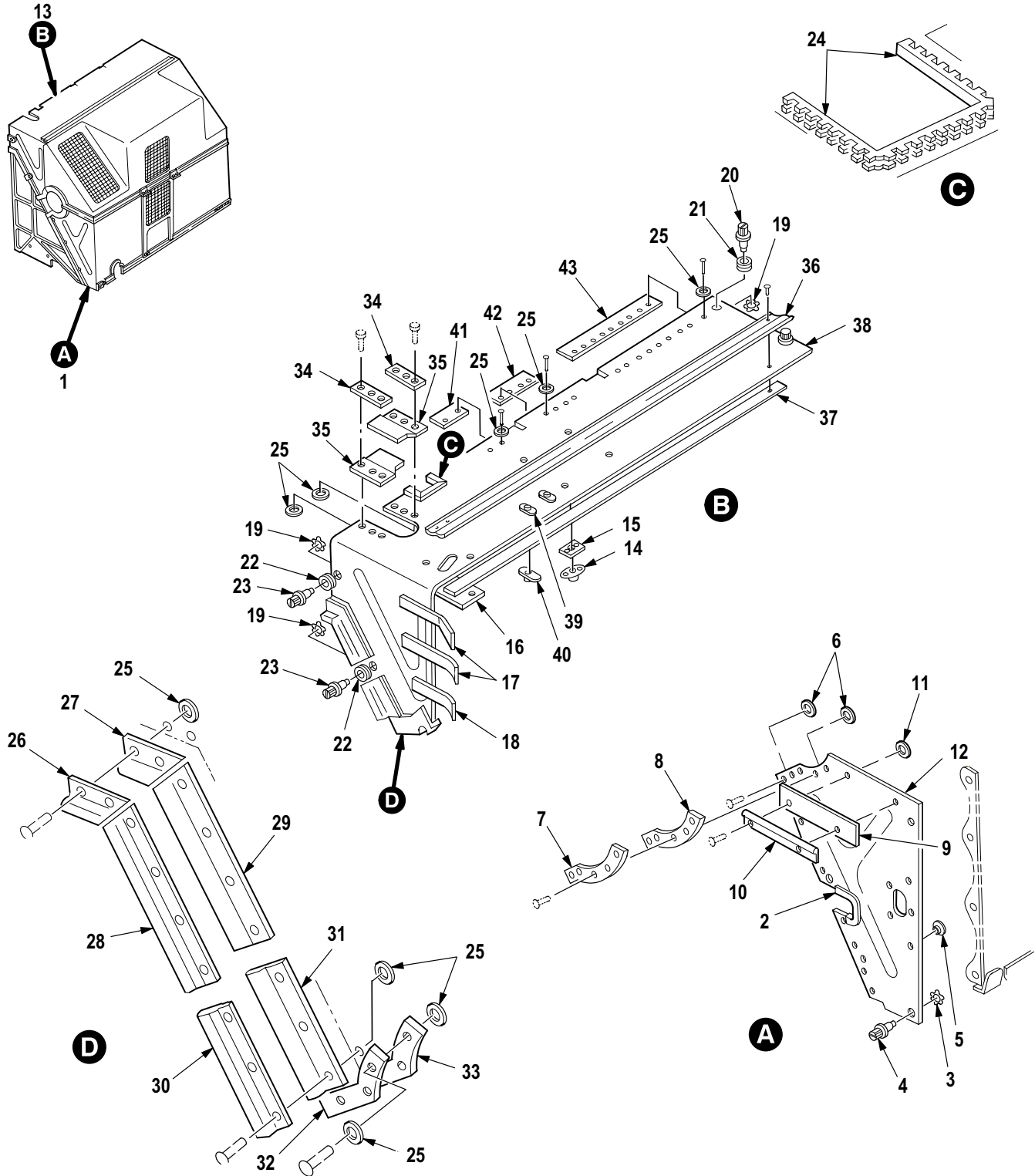
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 692 Auxiliary Power System<br>(Exhaust and Enclosure)<br>7-31 1650000 |            |
| 1                  | XCOOO              | 02731       | 7-31 1653100-601   | • Exhaust Sys Instl .....  | 1          |
| 2                  | PAOZZ              | 96906       | MS21044C3          | •• Nut, Self-Locking, He .....   | 1          |
| 3                  | XDOZZ              | 80205       | NAS603-8           | •• Screw, Machine .....  | 8          |
| 4                  | PAOZZ              | 80205       | NAS603-6P          | •• Screw, Machine .....  | 1          |
| 5                  | PAOZZ              | 88044       | AN960C10           | •• Washer, Flat .....  | 10         |
| 6                  | PAOFF              | 02731       | 7-31 1653101       | •• Duct, Exhaust Mixer .....   | 1          |
| 7                  | XDOZZ              | 02731       | 7-31 1653102-1 1   | ••• Doubler .....  | 1          |
| 8                  | XDOZZ              | 02731       | 7-31 1653102-13    | ••• Doubler .....  | 1          |
| 9                  | XDOZZ              | 02731       | 7-31 1653102-15    | ••• Doubler .....  | 1          |
| 10                 | XDOZZ              | 02731       | 7-21 1653103       | ••• Spring .....   | 4          |
| 11                 | PAOOO              | 02731       | 7-21 1653005-41    | •• Bulkhead, Enclosure .....   | 1          |
| 12                 | PAOZZ              | 02731       | 7-21 1653005-13    | ••• Seal, Auxiliary Powe .....   | 1          |
| 13                 | PAOZZ              | 80205       | MS21059L3          | ••• Nut, Self-Locking, Pl .....  | 8          |
| 14                 | MOOZZ              | 02731       | 7-21 1653005-39    | ••• Fastener .....   | 1          |
| 15                 | PAOZZ              | 02731       | HS4387-1           | ••• Receptacle, Turnlock .....   | 2          |
| 16                 | XDOZZ              | 02731       | 7-21 1653005-37    | ••• Clip .....   | 2          |
| 17                 | PAOZZ              | 02731       | HS4389-1           | ••• Ring, Retaining .....  | 3          |
| 18                 | XDOZZ              | 02731       | HS4943-9241        | ••• Stud, Turnlock Faste .....   | 3          |
| 19                 | PAOZZ              | 97393       | SL3541A4A2         | ••• Grommet, Nonmetallic .....   | 3          |
| 20                 | PAOZZ              | 02731       | 7-21 1653005-15    | ••• Clip, Auxiliary Powe .....   | 3          |
| 21                 | PAOZZ              | 02731       | HS306-312L         | ••• Washer, Flat .....   | 21         |
| 22                 | XDOZZ              | 02731       | 7-21 1653005-35    | ••• Doubler .....  | 1          |
| 23                 | XDOZZ              | 02731       | 7-21 1653005-43    | ••• Web Assembly .....   | 1          |
| 24                 | XDOZZ              | 02731       | 7-21 1653005-23    | •••• Doubler .....   | 1          |
| 25                 | XCOOO              | 02731       | 7-31 1654000       | • Enclosure Instl, APU<br>(See Figs. 693 and 694 for Further Breakdown) .....                                | 1          |
| 26                 | PAOOO              | 02731       | 7-21 1653006-19    | •• Bracket Assy, Cover .....   | 2          |
| 27                 | PAOZZ              | 29372       | CA2010             | ••• Receptacle, Turnlock .....   | 1          |
| 28                 | PAOOO              | 02731       | 7-21 1653006-15    | •• Bracket Assy, Cover .....   | 1          |
| 29                 | PAOZZ              | 29372       | CA2010             | ••• Receptacle, Turnlock .....   | 3          |
| 30                 | PAOOO              | 02731       | 7-21 1653006-17    | •• Bracket Assy, Cover .....   | 2          |
| 31                 | PAOZZ              | 80205       | MS21075L3E         | ••• Nut, Self-Locking, Pl .....  | 1          |
| 32                 | PAOZZ              | 80205       | NAS1403-2          | •• Screw, Machine .....  | 4          |
| 33                 | PAOZZ              | 80205       | NAS1403-13         | •• Screw, Machine .....  | 4          |
| 34                 | PAOZZ              | 80205       | NAS1403-5          | •• Screw, Machine .....  | 1          |
| 35                 | PAOZZ              | 80205       | NAS1403-4          | •• Screw, Machine .....  | 1          |
| 36                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....  | 10         |
| 37                 | AOOOO              | 02731       | 7-21 1653007-7     | •• Cover, Lower, APU .....   | 1          |
| 38                 | PAOZZ              | 02731       | HS4874-4B1A        | ••• Grommet, Metallic .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-21 1653007-5     | ••• Panel, Auxiliary, Pow .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-682F

Figure 693. Group 15 Enclosure Installation, APU (Upper and Lower Cover)  
7-31 1654000

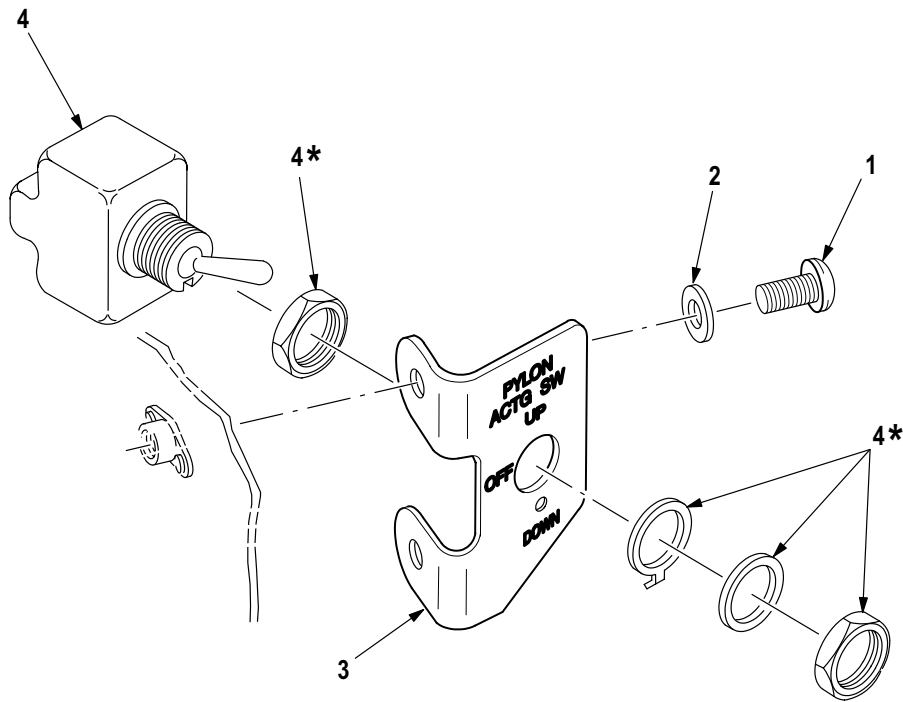
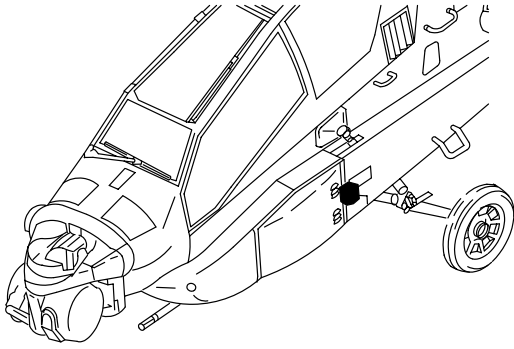
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 693 Enclosure Installation, APU<br>(Upper and Lower Cover)<br>7-31 1654000<br>See Fig. 692 for NHA |            |
| 1                  | PAOOO              | 02731       | 7-31 1654001-61    | • Cover, Aircraft Grou .....  | 1          |
| 2                  | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat .....   | 68         |
| 3                  | MOOZZ              | 02731       | 7-31 1654001-71    | •• Fastener .....   | 6          |
| 4                  | XDOZZ              | 02731       | 7-31 1654001-63    | •• Retainer, Auxiliary .....  | 1          |
| 5                  | XDOZZ              | 02731       | 7-31 1654001-65    | •• Retainer, Auxiliary .....  | 1          |
| 6                  | XDOZZ              | 02731       | 7-31 1654001-67    | •• Retainer, Auxiliary .....  | 1          |
| 7                  | XDOZZ              | 02731       | 7-31 1654001-55    | •• Doubler .....  | 1          |
| 8                  | XDOZZ              | 02731       | 7-31 1654001-69    | •• Retainer, Auxiliary .....  | 1          |
| 9                  | MOOZZ              | 02731       | 7-31 1654001-37    | •• Seal, Auxiliary Powe .....   | 1          |
| 10                 | XDOZZ              | 02731       | 7-31 1654001-39    | •• Seal, Auxiliary Powe .....   | 1          |
| 11                 | MOOZZ              | 02731       | 7-31 1654001-47    | •• Seal, Auxiliary Powe .....   | 1          |
| 12                 | MOOZZ              | 02731       | 7-31 1654001-51    | •• Seal, Auxiliary Powe .....   | 1          |
| 13                 | XDOZZ              | 02731       | 7-31 1654001-31    | •• Inlet Assembly .....   | 1          |
| 14                 | PAOZZ              | 02731       | 7-21 1654004       | •• Bracket, Angle .....   | 2          |
| 15                 | MOOZZ              | 02731       | 7-31 1654001-73    | •• Grommet .....  | 1          |
| 16                 | PAOOO              | 02731       | 7-31 1654001-3     | •• Cover, Aircraft Grou .....   | 1          |
| 17                 | XDOZZ              | 02731       | 7-31 1654001-41    | ••• Screen .....  | 1          |
| 18                 | XDOZZ              | 02731       | 7-31 1654001-43    | ••• Screen .....  | 1          |
| 19                 | PAOOO              | 02731       | 7-31 1654003-71    | • Cover, Access .....   | 1          |
| 20                 | MOOZZ              | 02731       | 7-31 1654003-75    | •• Grommet .....  | 1          |
| 21                 | PAOZZ              | 29372       | CA2010             | •• Receptacle, Turnlock .....   | 7          |
| 22                 | XDOZZ              | 02731       | 7-31 1654003-23    | •• Bracket, Angle .....   | 1          |
| 23                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, Pl .....  | 8          |
| 24                 | XDOZZ              | 02731       | 7-31 1654003-67    | •• Retainer .....   | 1          |
| 25                 | MOOZZ              | 02731       | 7-31 1654003-45    | •• Seal .....   | 1          |
| 26                 | XDOZZ              | 02731       | 7-31 1654003-69    | •• Retainer .....   | 1          |
| 27                 | MOOZZ              | 02731       | 7-31 1654003-47    | •• Seal .....   | 1          |
| 28                 | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat .....   | 107        |
| 29                 | XDOZZ              | 02731       | 7-31 1654003-21    | •• Stiffener, Cover, APU .....  | 1          |
| 30                 | XDOZZ              | 02731       | 7-31 1654003-53    | •• Stiffener, Cover, APU .....  | 1          |
| 31                 | XDOZZ              | 02731       | 7-31 1654003-39    | •• Stiffener, Cover, APU .....  | 1          |
| 32                 | XDOZZ              | 02731       | 7-31 1654003-37    | •• Stiffener .....  | 1          |
| 33                 | XDOZZ              | 02731       | 7-31 1654003-38    | •• Stiffener .....  | 1          |
| 34                 | PAOZZ              | 02731       | 7-31 1654003-73    | •• Panel, Structural, Ai .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-476J

Figure 694. Group 15 Enclosure Installation, APU (Front and Top Cover)  
7-31 1654000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 694 Enclosure Installation, APU<br>(Front and Top Cover)<br>7-31 1654000<br>See Fig. 692 for NHA |            |
| 1                  | PAOOO              | 02731       | 7-21 1654002-31    | • Cover Assy, Enclosur . . . . .  | 1          |
| 2                  | MOOZZ              | 96906       | MS21266-1T         | •• Grommet, Nonmetallic . . . . .   | V          |
| 3                  | PAOZZ              | 29372       | CA2035             | •• Ring, Retaining . . . . .  | 7          |
| 4                  | PAOZZ              | 02731       | HS4943-9241        | •• Stud, Turnlock Faste . . . . .   | 7          |
| 5                  | PAOZZ              | 02731       | HS4874-2A2A        | •• Grommet, Metallic . . . . .  | 7          |
| 6                  | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat . . . . .   | V          |
| 7                  | XDOZZ              | 02731       | 7-21 1654002-29    | •• Doubler . . . . .  | 1          |
| 8                  | MOOZZ              | 02731       | 7-21 1654002-25    | •• Seal . . . . .   | 1          |
| 9                  | MOOZZ              | 02731       | 7-21 1654002-37    | •• Seal . . . . .   | 1          |
| 10                 | XDOZZ              | 02731       | 7-21 1654002-39    | •• Doubler . . . . .  | 1          |
| 11                 | PAOZZ              | 02731       | HS306-316L         | •• Washer, Flat . . . . .   | V          |
| 12                 | PAOZZ              | 02731       | 7-21 1654002-33    | •• Panel, Structural, Ai . . . . .  | 1          |
| 13                 | PAOOO              | 02731       | 7-21 1654005-73    | • Cover Assy, Top Encl . . . . .  | 1          |
| 14                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, PI . . . . .  | 6          |
| 15                 | XDOZZ              | 02731       | 7-21 1654005-31    | •• Doubler, Enclosure . . . . .   | 4          |
| 16                 | XDOZZ              | 02731       | 7-21 1654005-79    | •• Doubler . . . . .  | 1          |
| 17                 | MOOZZ              | 02731       | 7-21 1654005-69    | •• Strap . . . . .  | 2          |
| 18                 | MOOZZ              | 02731       | 7-21 1654005-67    | •• Strap . . . . .  | 1          |
| 19                 | PAOZZ              | 29372       | CA2035             | •• Ring, Retaining . . . . .  | 4          |
| 20                 | PAOZZ              | 29372       | CA2024-3           | •• Stud, Turnlock Faste . . . . .   | 2          |
| 21                 | PAOZZ              | 02731       | HS4874-2A5A        | •• Grommet, Metallic . . . . .  | 2          |
| 22                 | PAOZZ              | 02731       | HS4874-2A2A        | •• Grommet, Metallic . . . . .  | 2          |
| 23                 | XDOZZ              | 02731       | HS4943-9241        | •• Stud, Turnlock Faste . . . . .   | 2          |
| 24                 | MOOZZ              | 02731       | 7-21 1654005-87    | •• Grommet, Nonmetallic . . . . .   | 1          |
| 25                 | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat . . . . .   | 34         |
| 26                 | XDOZZ              | 02731       | 7-21 1654005-55    | •• Retainer . . . . .   | 1          |
| 27                 | MOOZZ              | 02731       | 7-21 1654005-17    | •• Seal . . . . .   | 1          |
| 28                 | XDOZZ              | 02731       | 7-21 1654005-57    | •• Retainer, Enclosure . . . . .  | 1          |
| 29                 | XDOZZ              | 02731       | 7-21 1654005-47    | •• Seal, Cover, Auxiliar . . . . .  | 1          |
| 30                 | XDOZZ              | 02731       | 7-21 1654005-77    | •• Retainer . . . . .   | 1          |
| 31                 | MOOZZ              | 02731       | 7-21 1654005-83    | •• Seal . . . . .   | 1          |
| 32                 | XDOZZ              | 02731       | 7-21 1654005-81    | •• Doubler . . . . .  | 1          |
| 33                 | PAOZZ              | 02731       | 7-21 1654005-85    | •• Seal, Cover, Auxiliar . . . . .  | 1          |
| 34                 | XDOZZ              | 02731       | 7-21 1654005-23    | •• Doubler, Enclosure . . . . .   | 2          |
| 35                 | PAOZZ              | 02731       | 7-21 1654005-21    | •• Seal, Rubber Strip . . . . .   | 2          |
| 36                 | PAOZZ              | 02731       | 7-21 1654005-25    | •• Guide, Cover . . . . .   | 1          |
| 37                 | XDOZZ              | 02731       | 7-21 1654005-27    | •• Doubler, Enclosure . . . . .   | 1          |
| 38                 | PAOZZ              | 02731       | 7-21 1654005-75    | •• Cover Assy, Enclosur . . . . .   | 1          |
| 39                 | PAOZZ              | 02731       | HS4483-615         | •• Spacer, Sleeve . . . . .   | 2          |
| 40                 | PAOZZ              | 96906       | MS21059LO4         | •• Nut, Self-Locking, PI . . . . .  | 2          |
| 41                 | XDOZZ              | 02731       | 7-21 1654005-61    | •• Clip . . . . .   | 1          |
| 42                 | XDOZZ              | 02731       | 7-21 1654005-63    | •• Clip . . . . .   | 1          |
| 43                 | XDOZZ              | 02731       | 7-21 1654005-65    | •• Clip . . . . .   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



\*SUPPLIED WITH ATTACHED ITEM

M09-1179A

Figure 695. Group 16 Switch, Toggle, Pylon Ground Maintenance

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 695 Switch, Toggle,<br>Pylon Ground Maintenance |            |
| 1                  | PAOZZ              | 96906       | MS51958-79         | ▪ Screw, Machine .....   | 2          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | ▪ Washer, Flat .....   | 2          |
| 3                  | PAOZZ              | 02731       | 7-317400221-3      | ▪ Bracket, Pylon .....   | 1          |
| 4                  | PAOZZ              | 96906       | MS24524-27         | ▪ Switch, Toggle .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

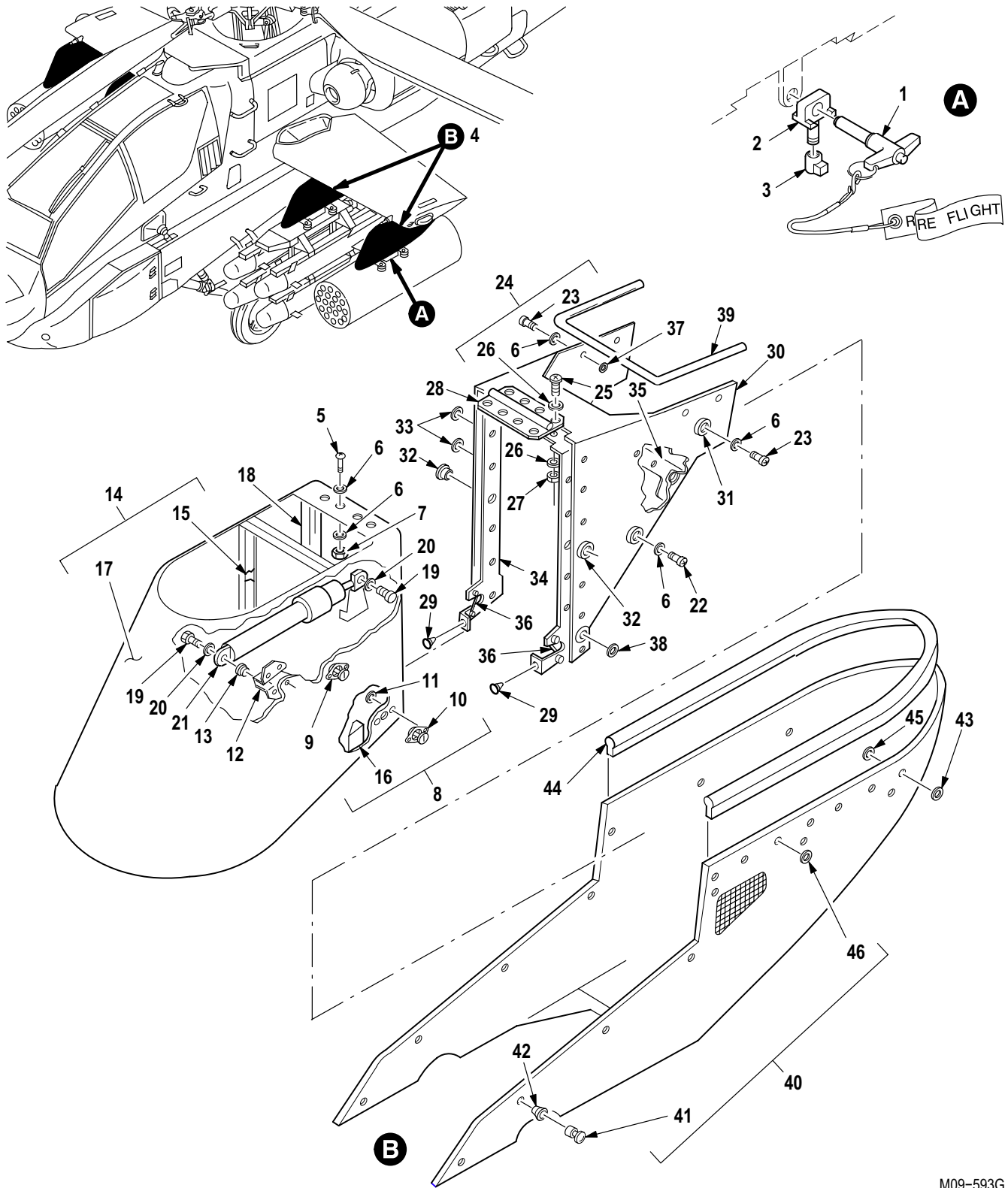


Figure 696. Group 16 External Stores Subsystem  
7-318000000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 696 External Stores Subsystem<br>7-318000000 |            |
| 1                  | PAOZZ              | 02731       | 7-318000237        | • Pin .....   | 4          |
| 2                  | PAOZZ              | 02731       | 7-318000227        | • Fitting, External S .....   | 4          |
| 3                  | PAOZZ              | 02731       | 7-318000228        | • Nut, External Stores .....  | 4          |
| 4                  | PBOFF              | 02731       | 7-318000001-613    | • Pylon, Aircraft (See Fig. 697 for Breakdown) .....                            | 1          |
| 5                  | PAOZZ              | 80205       | NAS1403-3          | •• Screw, Machine .....   | 4          |
| 6                  | PAOZZ              | 88044       | AN960KD10L         | •• Washer, Flat .....   | 16         |
| 7                  | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....  | 4          |
| 8                  | PAOOO              | 02731       | 7-318000035-3      | •• Fairing Assy, Nose .....   | 1          |
| 9                  | PAOZZ              | 02731       | HS5276-0003        | ••• Stud Assembly, Turnl .....  | 2          |
| 10                 | PAOZZ              | 02731       | HS5276-0002        | ••• Stud Assembly, Turnl .....  | 2          |
| 11                 | PAOZZ              | 88044       | AN960KD4           | ••• Washer, Flat .....  | 4          |
| 12                 | XDOOO              | 02731       | 7-318000131        | ••• Bracket, Upper, Strut .....   | 1          |
| 13                 | PAOZZ              | 97393       | SL850-3F7C         | •••• Insert, Screw Thread .....   | 1          |
| 14                 | XAOOO              | 02731       | 7-318000036-21     | •••• Fairing, Nose, Pylon .....   | 1          |
| 15                 | MOOZZ              | 02731       | 7-318000036-7      | •••• Rigid Peu, Fairing .....   | V          |
| 16                 | MFFZZ              | 02731       | 7-318000036-9      | •••• Bumper .....   | 2          |
| 17                 | XAOZZ              | 02731       | 7-318000036-15     | •••• Nose, Fairing, Pylon .....   | 1          |
| 18                 | XDOZZ              | 02731       | 7-318000037        | ••• Stiffener, Nose .....   | 1          |
| 19                 | PAOZZ              | 80205       | NAS1303-6H         | •• Bolt, Shear .....  | 2          |
| 20                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....   | 2          |
| 21                 | PAOZZ              | 02731       | 7-318000130        | •• Strut Assy, Rack .....   | 1          |
| 22                 | PAOZZ              | 80205       | NAS603-10P         | •• Screw, Machine .....   | 12         |
| 23                 | PAOZZ              | 80205       | NAS603-12P         | •• Screw, Machine .....   | 2          |
| 24                 | PAOOO              | 02731       | 7-318000039        | •• Fairing Assy, Airfra .....   | 1          |
| 25                 | PAOZZ              | 80205       | NAS603-8           | ••• Screw, Machine .....  | 4          |
| 26                 | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....  | 8          |
| 27                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....   | 4          |
| 28                 | MOOZZ              | 02731       | 7-318000066        | ••• Hinge, Butt .....   | 1          |
| 29                 | PAOZZ              | 02731       | HS4450-10          | ••• Bumper, Nonmetallic .....   | 2          |
| 30                 | XAOOO              | 02731       | 7-318000041-3      | ••• Fairing, Subassy .....  | 1          |
| 31                 | PAOZZ              | 02731       | HS4874-2A5A        | •••• Grommet, Metallic .....  | 8          |
| 32                 | PAOZZ              | 02731       | HS4874-5A5A        | •••• Grommet, Metallic .....  | 2          |
| 33                 | PAOZZ              | 88044       | AN960JD4L          | •••• Washer, Flat .....   | 2          |
| 34                 | PAOZZ              | 02731       | 7-318000052        | •••• Stiffener, Fairing .....   | 1          |
| 35                 | PAOZZ              | 02731       | 7-318000042        | •••• Bracket, Stiffener .....   | 1          |
| 36                 | PAOZZ              | 02731       | HS5273-0004        | •••• Lockspring, Turnlock .....   | 2          |
| 37                 | PAOZZ              | 81343       | MS9549-05          | •••• Washer, Flat .....   | 9          |
| 38                 | PAOZZ              | 88044       | AN960KD6L          | •••• Washer, Flat .....   | 2          |
| 39                 | PAOZZ              | 02731       | HS2007-1516        | •••• Seal, Nonmetallic Sp .....   | 1          |
| 40                 | PAOOO              | 02731       | 7-318000043-5      | •• Fairing, Aircraft .....  | 1          |
| 41                 | PAOZZ              | 02731       | HS5274-0001        | ••• Stud, Turnlock Faste .....  | 14         |
| 42                 | PAOZZ              | 02731       | HS5275-0001        | ••• Eyelet, Turnlock Fas .....  | 14         |
| 43                 | PAOZZ              | 96906       | MS9549-04          | ••• Washer, Flat .....  | 14         |
| 44                 | MOOZZ              | 02731       | HS5300-1-0410      | ••• Seal, Extruded, Elast .....   | 1          |
| 45                 | PAOZZ              | 02731       | HS306-207L         | ••• Washer, Flat .....  | 14         |
| 46                 | PAOZZ              | 88044       | AN960JD3           | ••• Washer, Flat .....  | 12         |
| END OF FIGURE      |                    |             |                    |   |            |

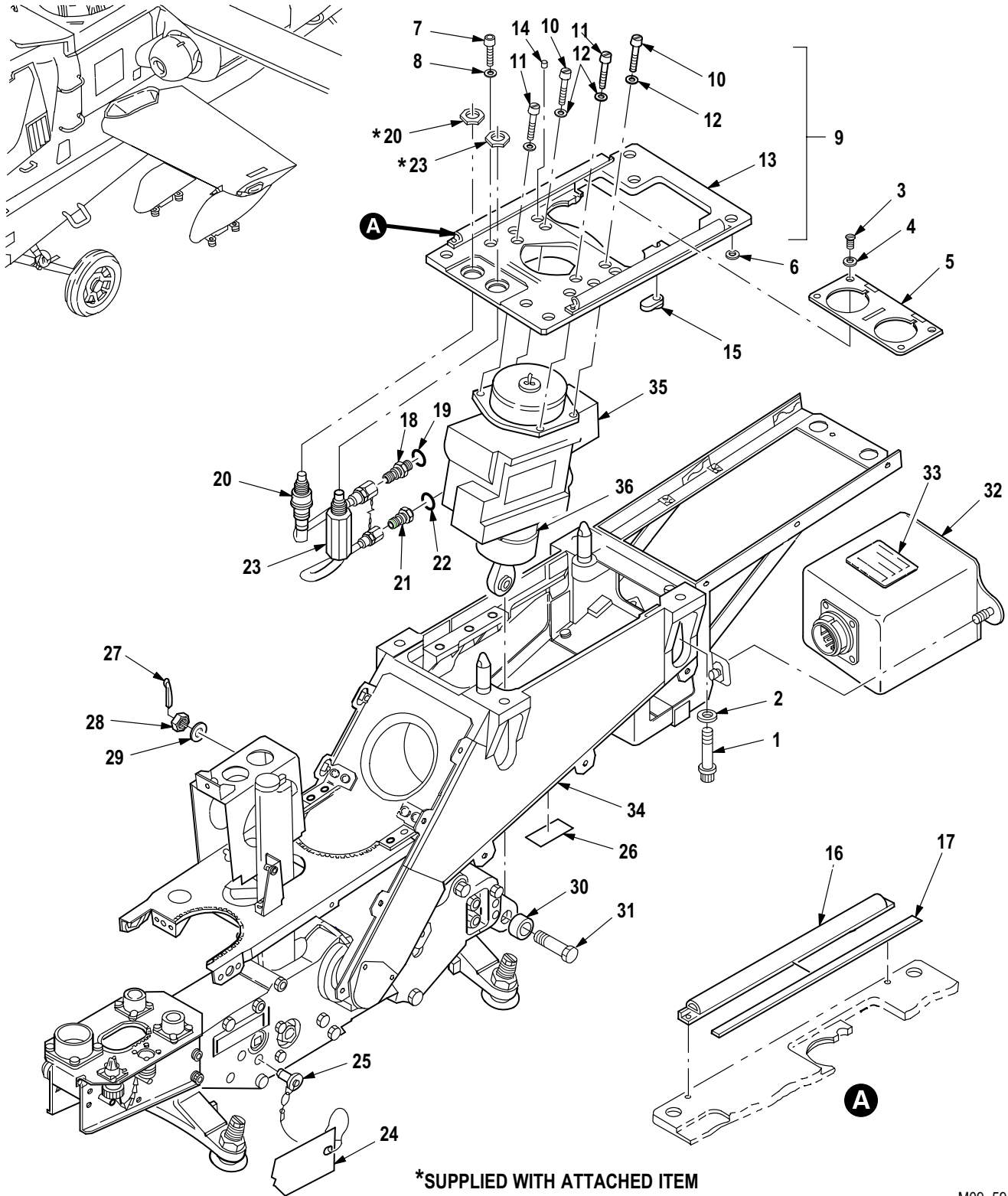
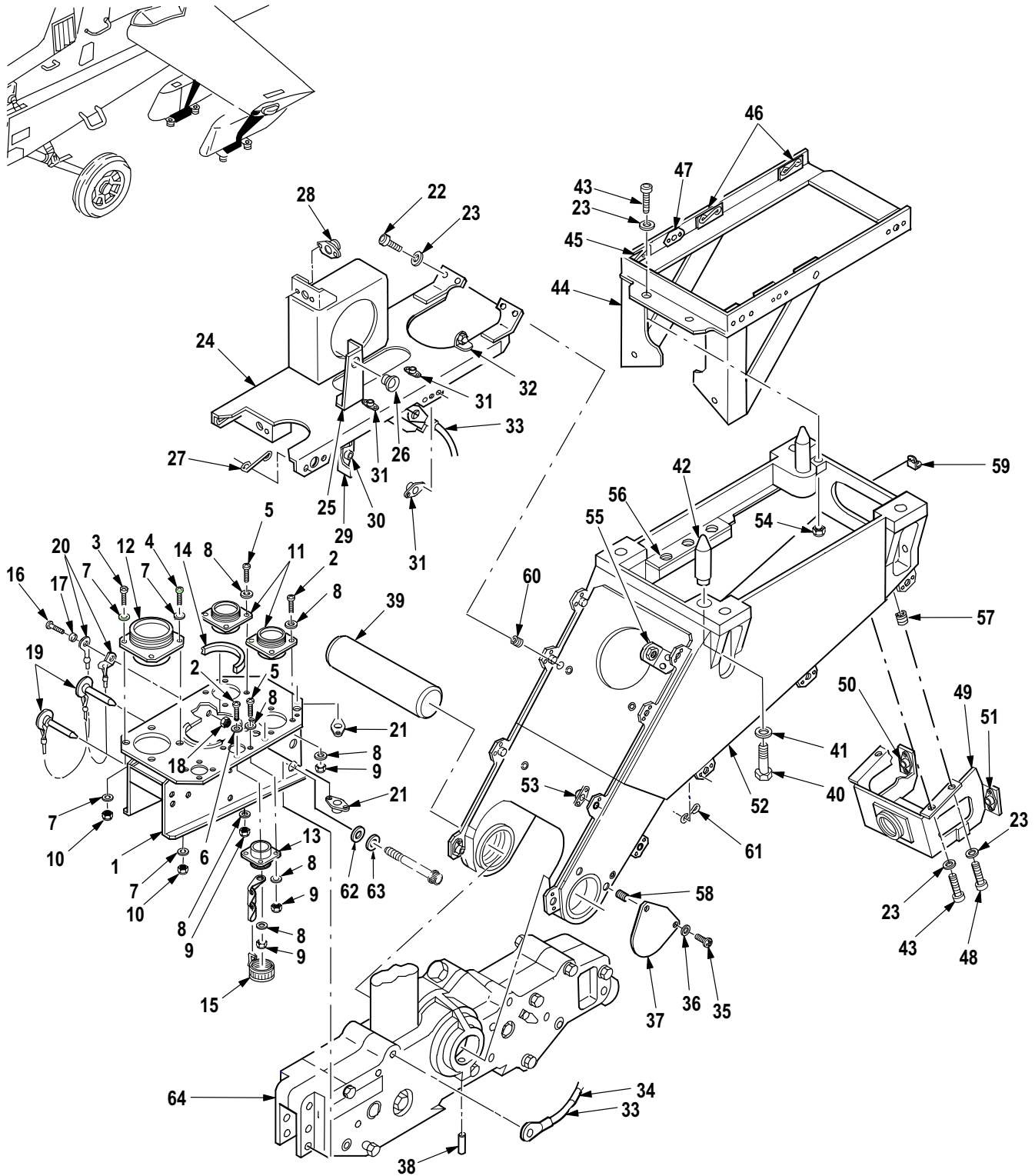


Figure 697. Group 16 Pylon, Aircraft (Frame and Actuator)  
7-31800001-613

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 697 Pylon, Aircraft (Frame and Actuator)<br>7-31800001-613<br>See Fig. 696 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS5271-6-21        | • Bolt, Close Toleranc .....  | 4          |
| 2                  | PAOZZ              | 96906       | MS21299C6          | • Washer, Recessed .....  | 4          |
| 3                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD10L         | • Washer, Flat .....  | 4          |
| 5                  | PAOZZ              | 02731       | 7-318000014        | • Plate, Top, Connector .....   | 1          |
| 6                  | PAOZZ              | 02731       | 7-1 1B410521       | • Ring, Retaining .....   | 4          |
| 7                  | PAOZZ              | 96906       | MS20004H16         | • Bolt, Internal Wrenc .....  | 6          |
| 8                  | PAOZZ              | 96906       | MS21206C4          | • Washer, Recessed .....  | 6          |
| 9                  | AOOOO              | 02731       | 7-318000005        | • Actuator and Top .....  | 1          |
| 10                 | PAOZZ              | 80205       | NAS1351-4-24       | •• Screw, Cap, Socket He .....  | 2          |
| 11                 | PAOZZ              | 80205       | NAS1351-4-18       | •• Screw, Cap, Socket He .....  | 2          |
| 12                 | PAOZZ              | 88044       | AN960KD416L        | •• Washer, Flat .....   | 4          |
| 13                 | PAOFF              | 02731       | 7-318000012        | •• Plate, Structural, Ai .....  | 1          |
| 14                 | PAFZZ              | 96906       | MS16556-826        | ••• Pin, Straight, Headle .....   | 2          |
| 15                 | PAFZZ              | 96906       | MS21072L3          | ••• Nut, Self-Locking, Pl .....   | 2          |
| 16                 | XDFZZ              | 02731       | HS5281-01-0902     | ••• Seal, Nonmetallic Sp .....  | 2          |
| 17                 | XDFZZ              | 02731       | 7-318000012-3      | ••• Spacer .....  | 10         |
| 18                 | PAOZZ              | 96906       | MS21902J4          | •• Nipple, Boss .....   | 1          |
| 19                 | PAOZZ              | 81349       | M83248/1-904       | •• Packing, Preformed .....   | 1          |
| 20                 | PAOZZ              | 02731       | 7-318000008        | •• Hose Assembly, Metal .....   | 1          |
| 21                 | PAOZZ              | 02731       | 7-318000010        | •• Fitting, Filter Adap .....   | 1          |
| 22                 | PAOZZ              | 81349       | M83248/1-906       | •• Packing, Preformed .....   | 1          |
| 23                 | PAOZZ              | 02731       | 7-318000009        | •• Filter Assembly, Act .....   | 1          |
| 24                 | PAOZZ              | 80205       | NAS1091-30H        | • Streamer, Warning .....   | 1          |
| 25                 | XDOZZ              | 96906       | MS17984C530        | • Pin, Quick Release .....  | 1          |
| 26                 | XDOZZ              | 02731       | HS4709-2           | • Nameplate, General, P .....   | 1          |
| 27                 | PAOZZ              | 96906       | MS24665-287        | • Pin, Cotter .....   | 1          |
| 28                 | PAOZZ              | 88044       | AN320-7            | • Nut, Plain, Slotted, H .....  | 1          |
| 29                 | PAOZZ              | 88044       | AN960XC716L        | • Washer, Flat .....  | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-07001       | • Bushing, Sleeve .....   | 1          |
| 31                 | PAOZZ              | 02731       | HS5841-7-19        | • Bolt, Shear .....   | 1          |
| 32                 | PAODD              | 02731       | 7-317400220-3      | • Controller, Pylon .....   | 1          |
| 33                 | XDFZZ              | 81873       | 88001334           | •• Plate, Ident .....   | 1          |
| 34                 | AOOOO              | 02731       | 7-318000003-607    | • Frame Assy, Pylon (See Fig. 698 for Breakdown) .....  | 1          |
| 35                 | PAODD              | 02731       | 7-31800001 1-5     | • Cylinder Assembly, A .....  | 1          |
| 36                 | XDFZZ              | 81873       | 41005658           | •• Plate, Ident .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



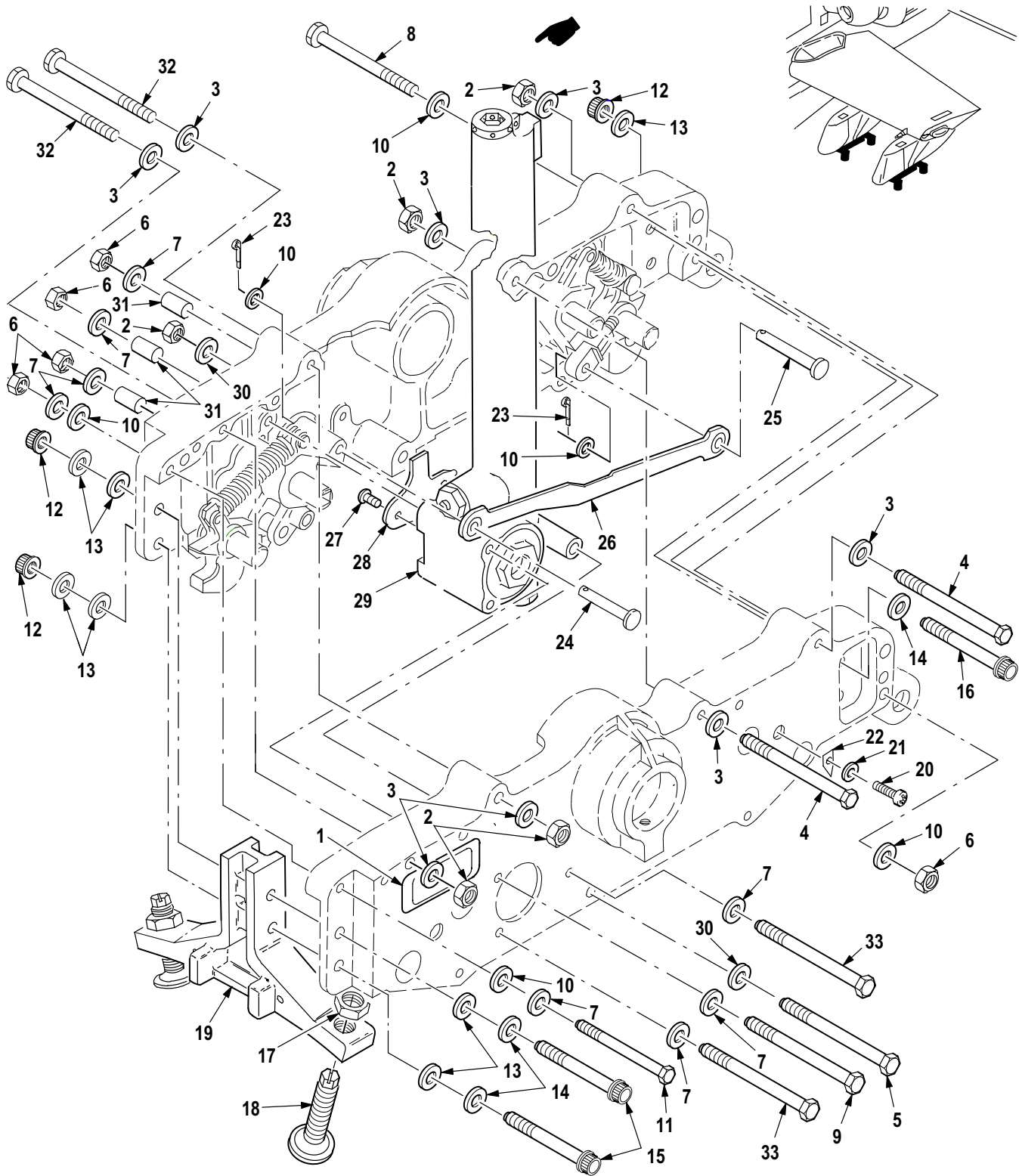
M09-595G

Figure 698. Group 16 Frame Assembly, Pylon  
7-31800003-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 698 Frame Assembly, Pylon<br>7-31800003-607<br>See Fig. 697 for NHA |            |
| 1                  | PAOOO              | 02731       | 7-318000063-601    | • Bracket Assy, Stow .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS600-6P          | •• Screw, Machine .....  | 7          |
| 3                  | PAOZZ              | 80205       | NAS601-7P          | •• Screw, Machine .....  | 2          |
| 4                  | PAOZZ              | 80205       | NAS601-8P          | •• Screw, Machine .....  | 2          |
| 5                  | PAOZZ              | 80205       | NAS600-7P          | •• Screw, Machine .....  | 5          |
| 6                  | PAOZZ              | 88044       | AN960-6            | •• Washer, Flat .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS620C6L          | •• Washer, Flat .....  | 8          |
| 8                  | PAOZZ              | 80205       | NAS620C4L          | •• Washer, Flat .....  | 24         |
| 9                  | PAOZZ              | 80205       | MS21042-04         | •• Nut, Self-Locking, Ex .....   | 12         |
| 10                 | PAOZZ              | 80205       | MS21042-06         | •• Nut, Self-Locking, Ex .....   | 4          |
| 11                 | PAOZZ              | 96906       | MS3115-16A         | •• Dummy Connector, Rec .....  | 2          |
| 12                 | PAOZZ              | 02731       | HS5098-2580        | •• Dummy Connector, Rec .....  | 1          |
| 13                 | PAOZZ              | 02731       | HS5098-0980        | •• Dummy Connector, Rec .....  | 1          |
| 14                 | MOOZZ              | 96906       | MS21266-3N         | •• Grommet, Nonmetallic .....  | 1          |
| 15                 | PAOZZ              | 02731       | HS4937-1           | •• Cover, Electrical Co .....  | 1          |
| 16                 | PAOZZ              | 80205       | NAS603-8           | •• Screw, Machine .....  | 1          |
| 17                 | PAOZZ              | 80205       | NAS620C10L         | •• Washer, Flat .....  | 1          |
| 18                 | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS17984C419        | •• Pin, Quick Release .....  | 2          |
| 20                 | PAOZZ              | 02731       | HS4494-4500        | •• Wire Rope Assembly, .....   | 2          |
| 21                 | PAOZZ              | 96906       | MS21069L3          | • Nut, Self-Locking, Pl .....  | 2          |
| 22                 | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....   | 5          |
| 23                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....   | 15         |
| 24                 | PAOOO              | 02731       | 7-318000058        | • Bracket Assembly, Ai .....   | 1          |
| 25                 | PAOOO              | 02731       | 7-318000132        | •• Bracket, Lower Strut .....  | 1          |
| 26                 | PAOZZ              | 97393       | SL850-3F7C         | ••• Insert, Screw Thread .....   | 1          |
| 27                 | PAOZZ              | 02731       | HS5273-0004        | •• Lockspring, Turnlock .....  | 2          |
| 28                 | PAOZZ              | 02731       | HS5307-0420        | •• Receptacle, Turnlock .....  | 2          |
| 29                 | PAOOO              | 02731       | 7-318000133        | •• Bracket Assy, Harn .....  | 1          |
| 30                 | PAOZZ              | 97393       | SL850-3F7C         | ••• Insert, Screw Thread .....   | 1          |
| 31                 | PAOZZ              | 96906       | MS21075-3          | •• Nut, Self-Locking, Pl .....   | 4          |
| 32                 | PAOZZ              | 02731       | HS4592-2D6-10      | •• Bracket, Angle .....  | 1          |
| 33                 | XDOZZ              | 96906       | MS25083-2BD12      | • Lead, Electrical .....   | 2          |
| 34                 | PAOZZ              | 81851       | 6749001-13         | • Sleeving, Textile, El .....  | 2          |
| 35                 | PAOZZ              | 80205       | NAS601-4P          | • Screw, Machine .....   | 4          |
| 36                 | PAOZZ              | 88044       | AN960-6L           | • Washer, Flat .....   | 4          |
| 37                 | PAOZZ              | 02731       | 7-318000069        | • Cover, Plate, Pivot .....  | 2          |
| 38                 | PAOZZ              | 02731       | 7-318000062        | • Pin, Shoulder, Headle .....  | 2          |
| 39                 | PAOZZ              | 02731       | 7-318000061-3      | • Pin, Hollow .....  | 1          |
| 40                 | PAOZZ              | 80205       | NAS6305L2          | • Bolt, Shear .....  | 2          |
| 41                 | PAOZZ              | 88044       | AN960-516L         | • Washer, Flat .....   | 2          |
| 42                 | PAOZZ              | 02731       | 7-318000032        | • Pin, Straight, Headle .....  | 2          |
| 43                 | PAOZZ              | 80205       | NAS1351-3-10P      | • Screw, Cap, Socket .....   | 4          |
| 44                 | PAOOO              | 02731       | 7-318000030        | • Bracket, Mux Box .....   | 1          |
| 45                 | PAOZZ              | 02731       | HS4267S3-200       | •• Lockspring, Turnlock .....  | 2          |
| 46                 | PAOZZ              | 02731       | HS5386-0001        | •• Receptacle, Turnlock .....  | 4          |
| 47                 | PAOZZ              | 02731       | HS4153-02          | •• Nut, Self-Locking, Pl .....   | 4          |
| 48                 | PAOZZ              | 96906       | MS16998-27         | • Screw, Cap, Socket He .....  | 4          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 49                 | PAOOO              | 02731       | 7-318000050        | • Bracket Assembly, Ac . . . . .   | 1          |
| 50                 | PAOZZ              | 96906       | MS21070L3          | •• Nut, Self-Locking, Pl . . . . .   | 2          |
| 51                 | PAOZZ              | 02731       | HS5307-0420        | •• Receptacle, Turnlock . . . . .  | 2          |
| 52                 | PAODD              | 02731       | 7-318000125        | • Pylon, Aircraft . . . . .  | 1          |
| 53                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, Pl . . . . .   | 8          |
| 54                 | PAFZZ              | 80205       | NAS1329H3K230L     | •• Nut, Self-Locking, Bl . . . . .   | 4          |
| 55                 | PAFZZ              | 02731       | HS4592-2D7-12      | •• Bracket, Angle . . . . .  | 1          |
| 56                 | PAFZZ              | 96906       | MS51830-202L       | •• Insert, Screw Thread . . . . .  | 6          |
| 57                 | PAFZZ              | 80205       | NAS1394-3L         | •• Insert, Screw Thread . . . . .  | 4          |
| 58                 | PAFZZ              | 96906       | MS51830-103L       | •• Insert, Screw Thread . . . . .  | 4          |
| 59                 | XDFZZ              | 02731       | HS4592-2D6-8       | •• Bracket, Angle . . . . .  | 1          |
| 60                 | PAFZZ              | 96906       | MS51830-201L       | •• Insert, Screw Thread . . . . .  | 5          |
| 61                 | PAOZZ              | 02731       | HS4267S3-200       | •• Lockspring, Turnlock . . . . .  | 8          |
| 62                 | PAOZZ              | 02731       | HS4134C5           | • Washer, Recessed . . . . .   | 1          |
| 63                 | PAOZZ              | 02731       | HS4134P5           | • Washer, Flat . . . . .   | 1          |
| 64                 | PAOFF              | 02731       | 7-318000150-1 1    | • Rack, Bomb Ejector, A<br>(See Figs. 699 and 700 for Breakdown) . . . . . | 1          |
| END OF FIGURE      |                    |             |                    |  |            |





M09-596H

Figure 699. Group 16 Rack, Bomb Ejector, Aircraft (Part 1)  
7-318000150-1 1



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 699 Rack, Bomb Ejector, Aircraft (Part 1)<br>7-318000150-1 1<br>See Fig. 698 for NHA |            |
| 1                  | XDFZZ              | 02731       | HS5333-1000        | • Plate, Ident .....  | 1          |
| 2                  | PAFZZ              | 96906       | MS21083N5          | • Nut, Self-Locking, He .....   | 11         |
| 3                  | PAFZZ              | 88044       | AN960KD516L        | • Washer, Flat .....  | 20         |
| 4                  | PAFZZ              | 80205       | NAS6605-42         | • Bolt, Shear .....   | 6          |
| 5                  | PAFZZ              | 80205       | NAS6605H47         | • Bolt, Shear .....   | 1          |
| 6                  | PAFZZ              | 96906       | MS21083N4          | • Nut, Self-Locking, He .....   | 5          |
| 7                  | PAFZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 10         |
| 8                  | PAFZZ              | 80205       | NAS6204-42         | • Bolt, Shear .....   | 1          |
| 9                  | PAFZZ              | 80205       | NAS6204-48H        | • Bolt, Shear .....   | 1          |
| 10                 | PAFZZ              | 88044       | AN960KD416         | • Washer, Flat .....  | 4          |
| 11                 | PAFZZ              | 80205       | NAS6204-27         | • Bolt, Shear .....   | 1          |
| 12                 | PAFZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex .....   | 4          |
| 13                 | PAFZZ              | 96906       | MS21206-5          | • Washer, Flat .....  | 8          |
| 14                 | PAFZZ              | 96906       | MS21206C5          | • Washer, Recessed .....  | 4          |
| 15                 | PAFZZ              | 02731       | HS4144-5L28        | • Bolt, Shear .....   | 2          |
| 16                 | PAFZZ              | 02731       | HS4144-5L26        | • Bolt, Shear .....   | 2          |
| 17                 | PAFZZ              | 96906       | MS35691-51         | • Nut, Plain, Hexagon .....   | 4          |
| 18                 | PAFZZ              | 02731       | 7-318000201        | • Sway Restraint, Rack .....  | 4          |
| 19                 | PAFZZ              | 02731       | 7-318000197        | • Brace, Sway-Ejector .....   | 2          |
| 20                 | PAFZZ              | 80205       | NAS1190E06P5N      | • Screw, Cap, Socket He .....   | 2          |
| 21                 | PAFZZ              | 80205       | NAS620A6           | • Washer, Flat .....  | 2          |
| 22                 | PAFZZ              | 02731       | 7-318000189        | • Indicator, Hook, Pylon .....  | 2          |
| 23                 | PAFZZ              | 80205       | MS24665-132        | • Pin, Cotter .....   | 4          |
| 24                 | PAFZZ              | 96906       | MS20392-3C49       | • Pin, Straight, Headed .....   | 1          |
| 25                 | PAFZZ              | 96906       | MS20392-3C17       | • Pin, Straight, Headed .....   | 1          |
| 26                 | PAFZZ              | 02731       | 7-318000178        | • Connecting Link, Rig .....  | 1          |
| 27                 | PAFZZ              | 96906       | MS21093-0618       | • Screw, Cap, Socket He .....   | 2          |
| 28                 | PAFZZ              | 02731       | 7-318000204        | • Retainer, Contact, Ra .....   | 1          |
| 29                 | PAOOO              | 02731       | 7-318000159        | • Ejector Assy, Rack P (See Fig. 701 for Breakdown) .....   | 1          |
| 30                 | PAFZZ              | 88044       | AN960KD516         | • Washer, Flat .....  | 2          |
| 31                 | PAOZZ              | 02731       | HS5542-04043       | • Bushing, Sleeve .....   | 3          |
| 32                 | PAFZZ              | 80205       | NAS6605-47         | • Bolt, Shear .....   | 2          |
| 33                 | PAFZZ              | 80205       | NAS6204-48         | • Bolt, Shear .....   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |

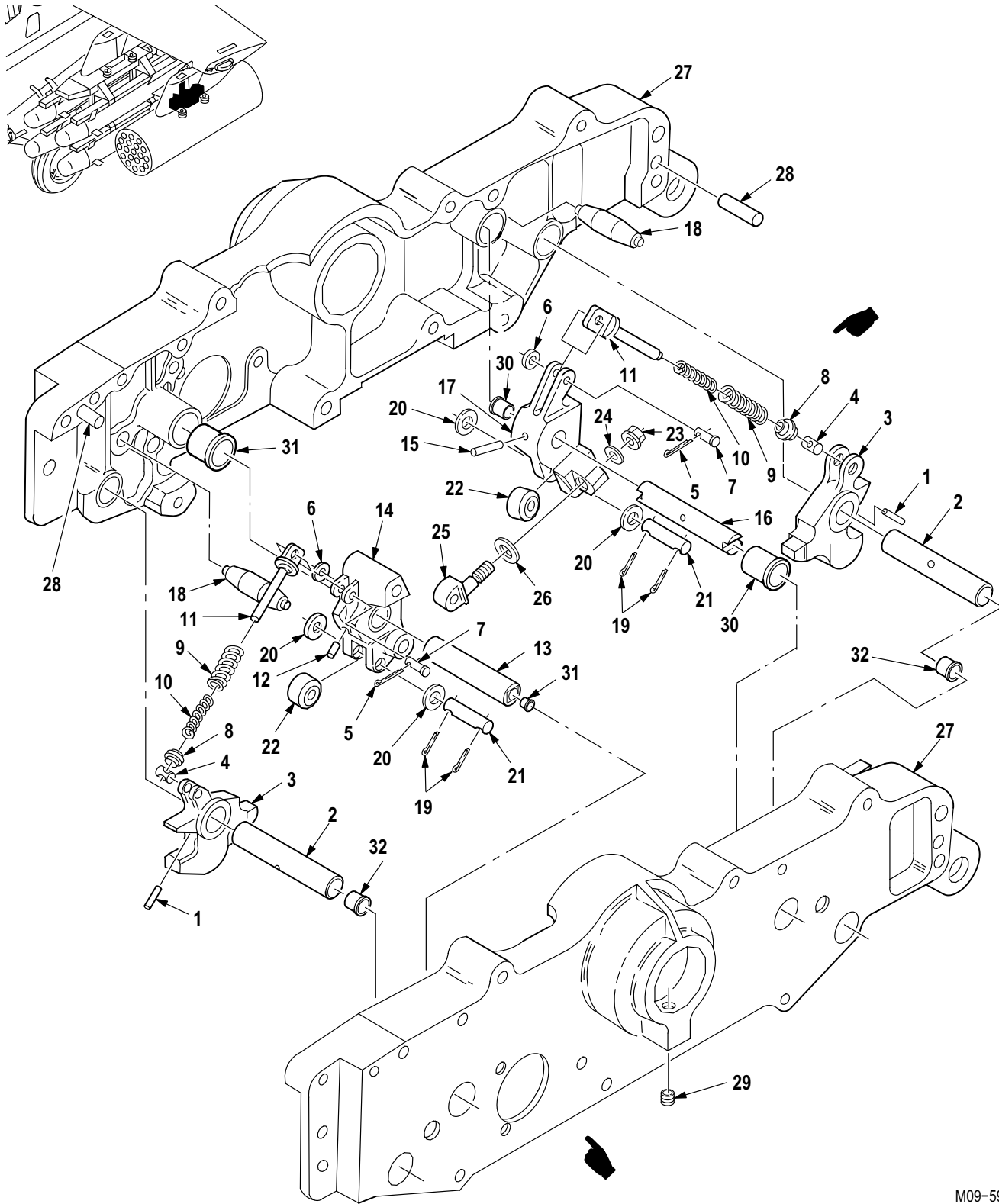
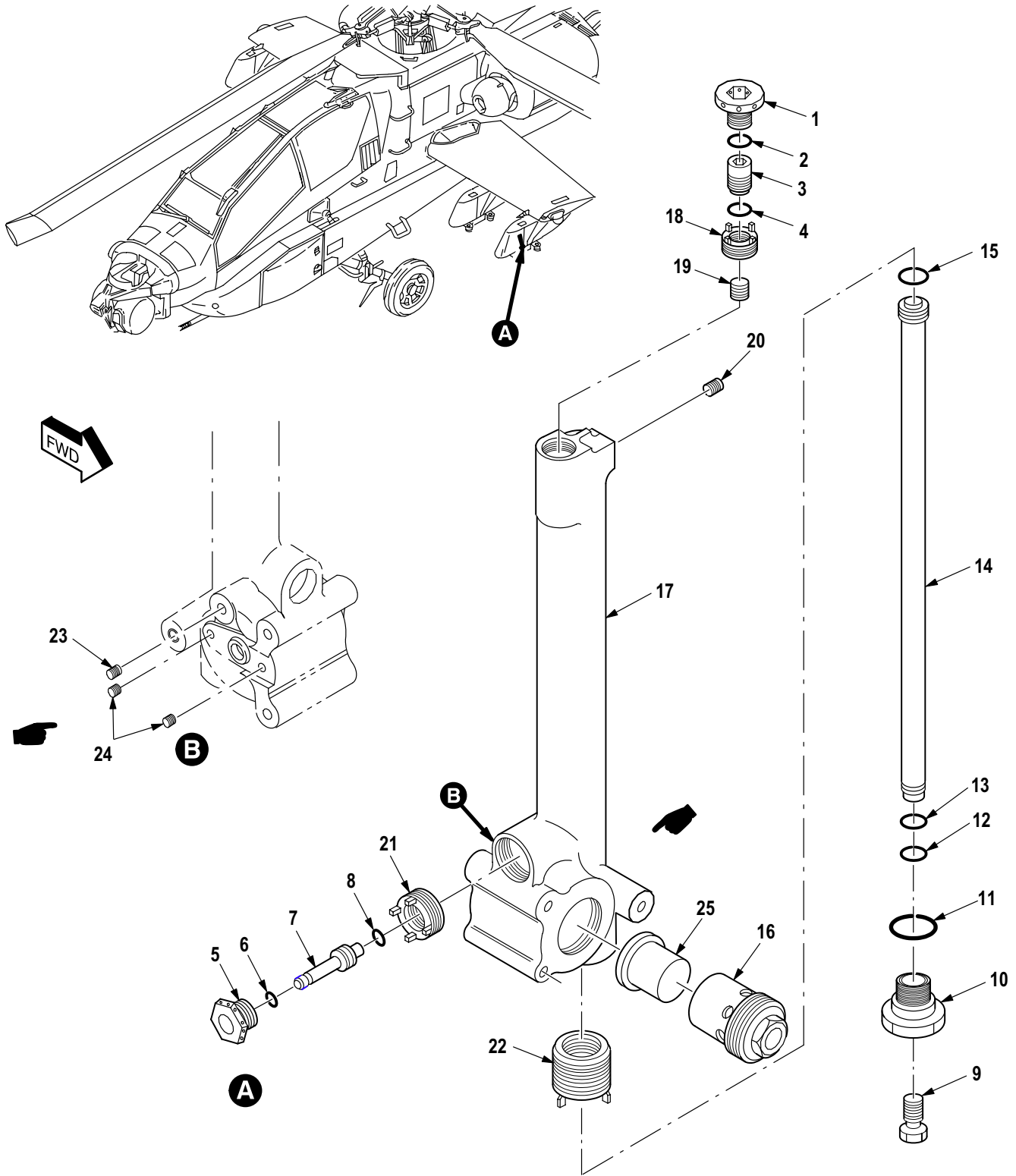


Figure 700. Group 16 Rack, Bomb Ejector, Aircraft (Part 2)  
7-318000150-1 1

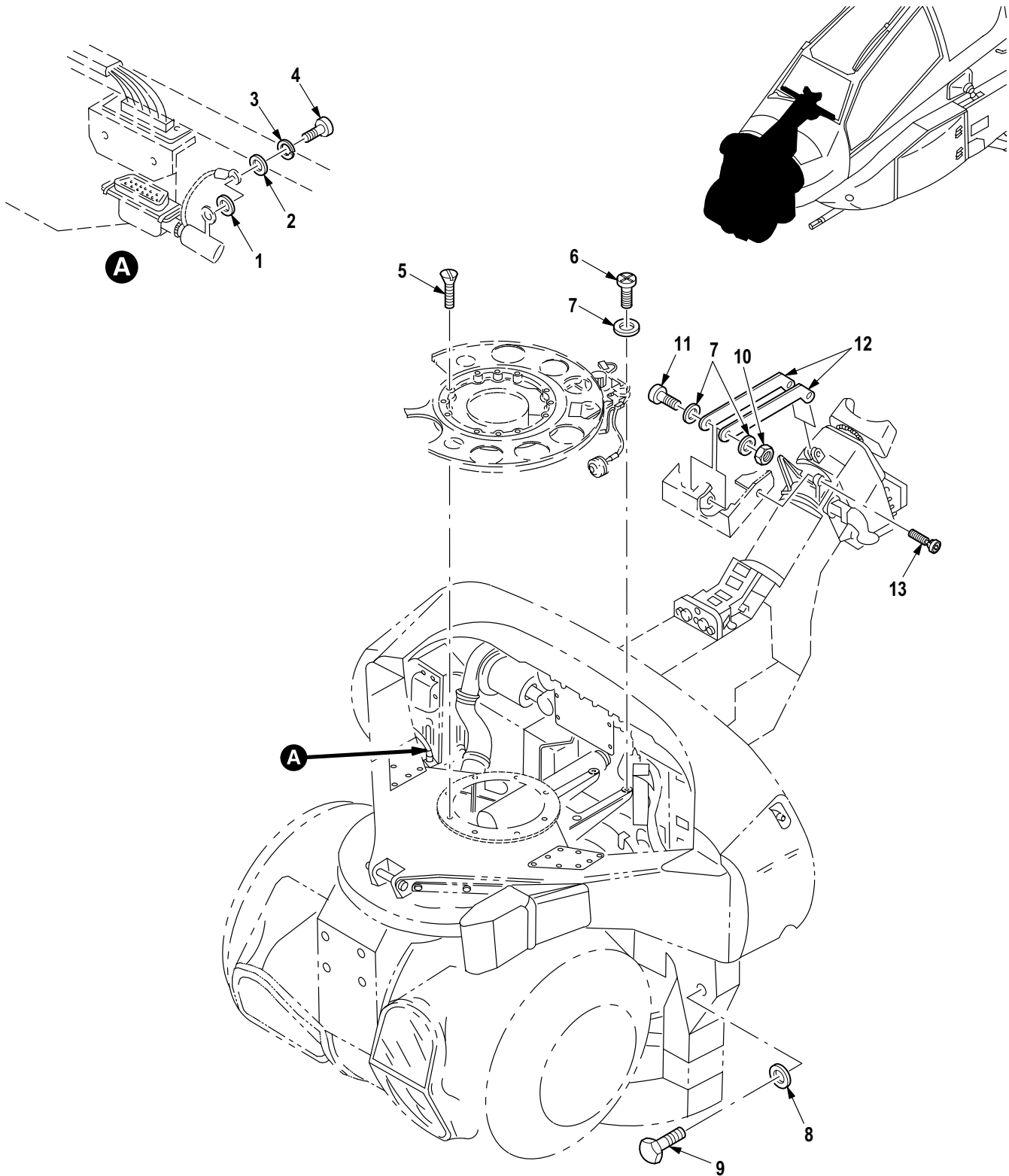
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 700 Rack, Bomb Ejector, Aircraft (Part 2)<br>7-318000150-1 1<br>See Fig. 698 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS39086-35         | • Pin, Spring .....   | 2          |
| 2                  | PAFZZ              | 02731       | 7-318000175        | • Pin, Straight, Headle .....   | 2          |
| 3                  | PAFZZ              | 02731       | 7-318000172        | • Hook, Suspension Rac .....  | 2          |
| 4                  | PAFZZ              | 02731       | 7-318000181        | • Pin, Straight, Headle .....   | 2          |
| 5                  | PAFZZ              | 80205       | MS24665-132        | • Pin, Cotter .....   | 4          |
| 6                  | XDFZZ              | 88044       | AN960KD10LL        | • Washer, Flat .....  | 5          |
| 7                  | PAFZZ              | 96906       | MS20392-2C15       | • Pin, Straight, Headed .....   | 2          |
| 8                  | PAFZZ              | 8V613       | 7-318000180        | • Spacer, Sleeve .....  | 2          |
| 9                  | PAFZZ              | 02731       | HS4953-038-175S    | • Spring, Helical, Comp .....   | 2          |
| 10                 | PAFZZ              | 02731       | HS4953-059-20S     | • Spring, Helical, Comp .....   | 2          |
| 11                 | PAFZZ              | 02731       | 7-318000179        | • Pin, Straight, Headed .....   | 2          |
| 12                 | PAFZZ              | 96906       | MS39086-254        | • Pin, Spring .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-318000176        | • Pin, Hollow .....   | 1          |
| 14                 | PAFZZ              | 02731       | 7-318000173        | • Bell Crank .....  | 1          |
| 15                 | XDFZZ              | 96906       | MS39086-136        | • Pin, Spring .....   | 1          |
| 16                 | PAFZZ              | 02731       | 7-318000199        | • Pin, Bellcrank .....  | 1          |
| 17                 | PAFZZ              | 02731       | 7-318000174        | • Bell Crank .....  | 1          |
| 18                 | PAFZZ              | 02731       | 7-318000177        | • Bumper, Hook, Pylon .....   | 2          |
| 19                 | PAFZZ              | 80205       | MS24665-69         | • Pin, Cotter .....   | 4          |
| 20                 | PAFZZ              | 02731       | 7-318000236        | • Washer, Flat .....  | 4          |
| 21                 | PAFZZ              | 02731       | 7-318000200        | • Pin, Straight, Headle .....   | 2          |
| 22                 | PAFZZ              | 02731       | 7-318000235        | • Bearing, Sleeve .....   | 2          |
| 23                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 1          |
| 24                 | PAFZZ              | 88044       | AN960XC10LL        | • Washer, Flat .....  | 1          |
| 25                 | PAFZZ              | 02731       | 7-318000182        | • Bolt, Eye .....   | 1          |
| 26                 | PAOZZ              | 02731       | HS5079-2746        | • Shim .....  | V          |
| 27                 | PAFFF              | 02731       | 7-318000151-7      | • Bracket, Mounting (MATCHED SET) .....   | 1          |
| 28                 | PAFZZ              | 96906       | MS16555-648        | • Pin, Straight, Headle .....   | 2          |
| 29                 | PAFZZ              | 81349       | M45932/1-17L       | • Insert, Screw Thread .....  | 2          |
| 30                 | PAFZZ              | 80205       | NAS538B7-66        | • Bushing, Sleeve .....   | 2          |
| 31                 | PAFZZ              | 80205       | NAS538B11-66       | • Bushing, Sleeve .....   | 2          |
| 32                 | PAFZZ              | 80205       | NAS538B7-87        | • Bushing, Sleeve .....   | 4          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-598C

Figure 701. Group 16 Ejector Assembly, Rack Pylon  
7-318000159

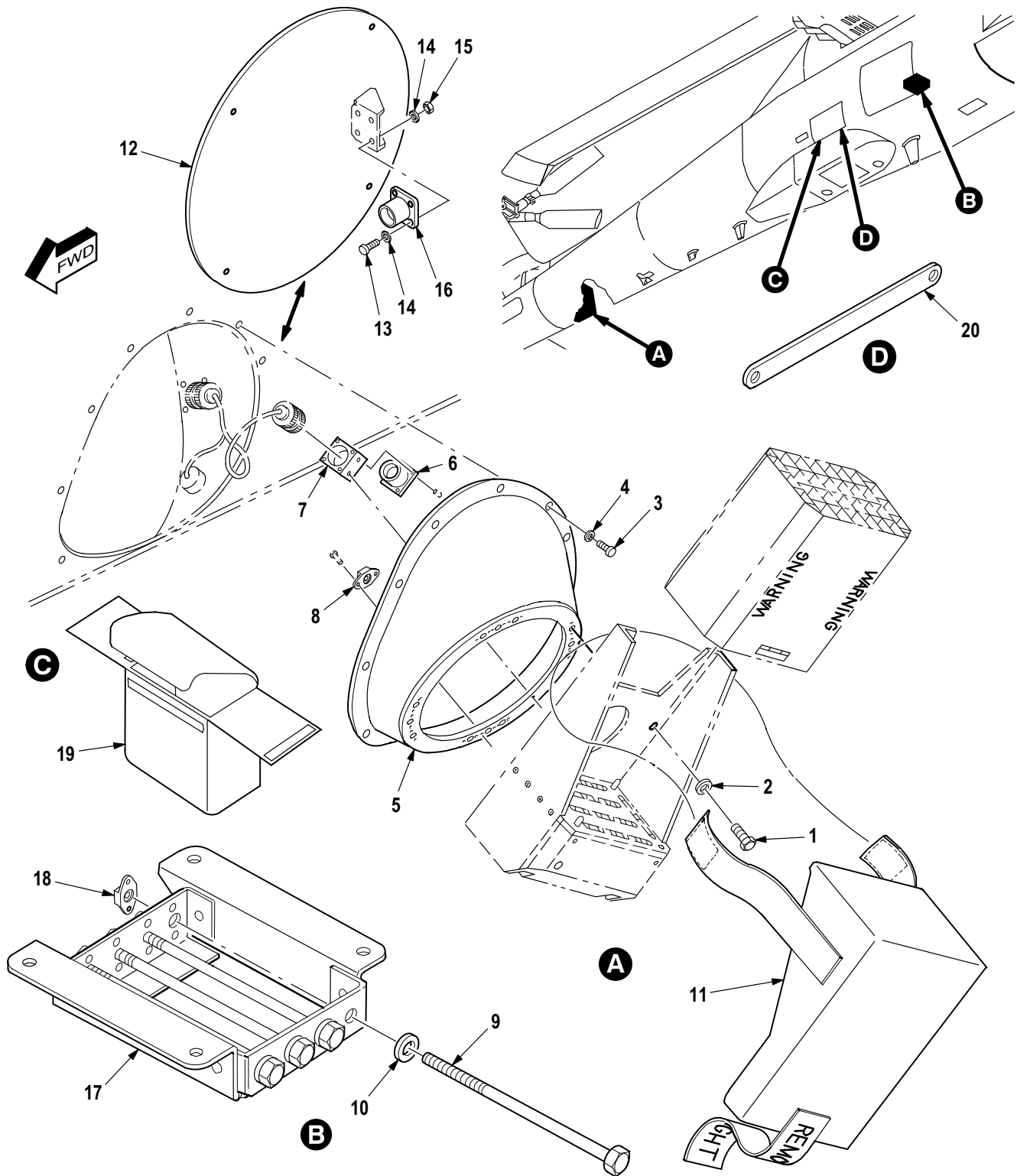
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 701 Ejector Assembly, Rack Pylon<br>7-318000159<br>See Fig. 699 for NHA |            |
| 1                  | PAOZZ              | 02731       | 7-318000166        | • Plug, Machine Thread .....   | 1          |
| 2                  | PAOZZ              | 81349       | M83248-2-908       | • O-Ring .....   | 1          |
| 3                  | PAOZZ              | 02731       | 7-318000165        | • Restrictor, Fluid Fl .....   | 1          |
| 4                  | PAOZZ              | 81349       | M83248/1-902       | • O-Ring .....   | 1          |
| 5                  | PAOZZ              | 02731       | 7-318000164        | • Retainer, Plunger Ej .....   | 1          |
| 6                  | PAOZZ              | 02731       | 7-318000208        | • Ring, Detent, Plunger .....  | 1          |
| 7                  | PAOZZ              | 02731       | 7-318000163        | • Plunger, Ejector Rac .....   | 1          |
| 8                  | PAOZZ              | 81349       | M83248/2-012       | • O-Ring .....   | 1          |
| 9                  | PAOZZ              | 02731       | HS4570-5-6         | • Bolt, Self-Locking .....   | 1          |
| 10                 | PAOZZ              | 02731       | 7-318000168        | • Retainer, Piston Eje .....   | 1          |
| 11                 | PAOZZ              | 81349       | M83248/2-017       | • O-Ring .....   | 1          |
| 12                 | PAOZZ              | 02731       | 7-318000170        | • Ring, Piston .....   | 1          |
| 13                 | PAOZZ              | 81349       | M83248/2-1 12      | • O-Ring .....   | 1          |
| 14                 | PAOZZ              | 02731       | 7-318000167        | • Piston, Ejector, Rack .....  | 1          |
| 15                 | PAOZZ              | 81349       | M83248/2-014       | • O-Ring .....   | 1          |
| 16                 | PAOZZ              | 02731       | 7-318000171        | • Housing, Cartridge .....   | 1          |
| 17                 | XAOOO              | 02731       | 7-31800021 1       | • Ejector Sub Assy .....   | 1          |
| 18                 | PAOZZ              | 02731       | 7-318000162        | •• Insert, Screw Thread .....  | 1          |
| 19                 | PAOZZ              | 96906       | MS51831-104L       | •• Insert, Screw Thread .....  | 1          |
| 20                 | PAOZZ              | 02731       | HS5324-5           | •• Plug, Machine Thread .....  | 1          |
| 21                 | PAOZZ              | 02731       | 7-318000206        | •• Insert, Retainer, Plu .....   | 1          |
| 22                 | PAOZZ              | 02731       | 7-318000207        | •• Insert, Retainer-Pis .....  | 1          |
| 23                 | PAOZZ              | 96906       | MS51830-201L       | •• Insert, Screw Thread .....  | 1          |
| 24                 | PAOZZ              | 96906       | MS51830-103        | •• Insert, Screw Thread .....  | 2          |
| 25                 | PAOZZ              | 53711       | 5184850            | • Cartridge, Impulse .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1129C

Figure 702. Group 16 Hardware Installation, Target Acquisition Designation Sight and Pilot Night Vision Sensor Assemblies

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 702 Hardware Installation,<br>Target Acquisition Designation Sight and<br>Pilot Night Vision Sensor Assemblies |            |
| 1                  | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat . . . . .  | 1          |
| 2                  | PAOZZ              | 88044       | AN960-8            | • Washer, Flat . . . . .  | 1          |
| 3                  | PAOZZ              | 96906       | MS35338-137        | • Washer, Lock . . . . .  | 1          |
| 4                  | PAOZZ              | 96906       | MS35206-241        | • Screw, Machine . . . . .  | 1          |
| 5                  | PAOZZ              | 80205       | NAS1219-3-16       | • Screw, Machine . . . . .  | 8          |
| 6                  | XDOZZ              | 80205       | NAS1578A3H3        | • Screw, Close Toleran . . . . .  | 3          |
| 7                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat . . . . .  | 3          |
| 8                  | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed . . . . .  | 4          |
| 9                  | PAOZA              | 96906       | MS21250-05012      | • Bolt, Shear . . . . .   | 4          |
| 10                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex . . . . .   | 1          |
| 11                 | PAOZZ              | 80205       | NAS623-3-6         | • Screw, Machine . . . . .  | 1          |
| 12                 | XDOZZ              | 02731       | 7-319300002        | • Strap, Ort Coupling . . . . .   | 2          |
| 13                 | PAOZZ              | 02731       | HS5264-5002        | • Glide, Furniture . . . . .  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |

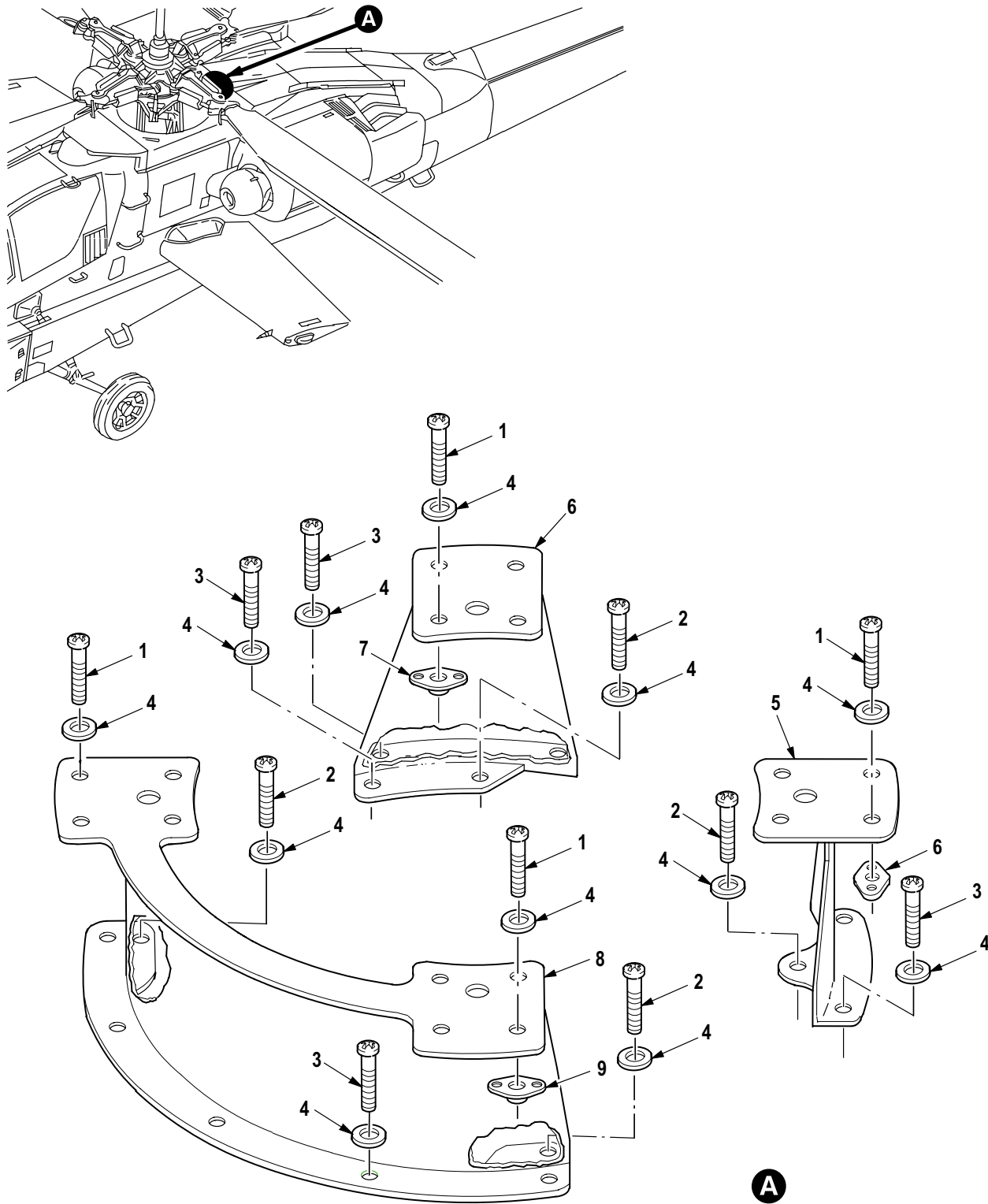


M09-1153D

Figure 703. Group 16 Countermeasure Installation (Part 1)  
7-31 1113421



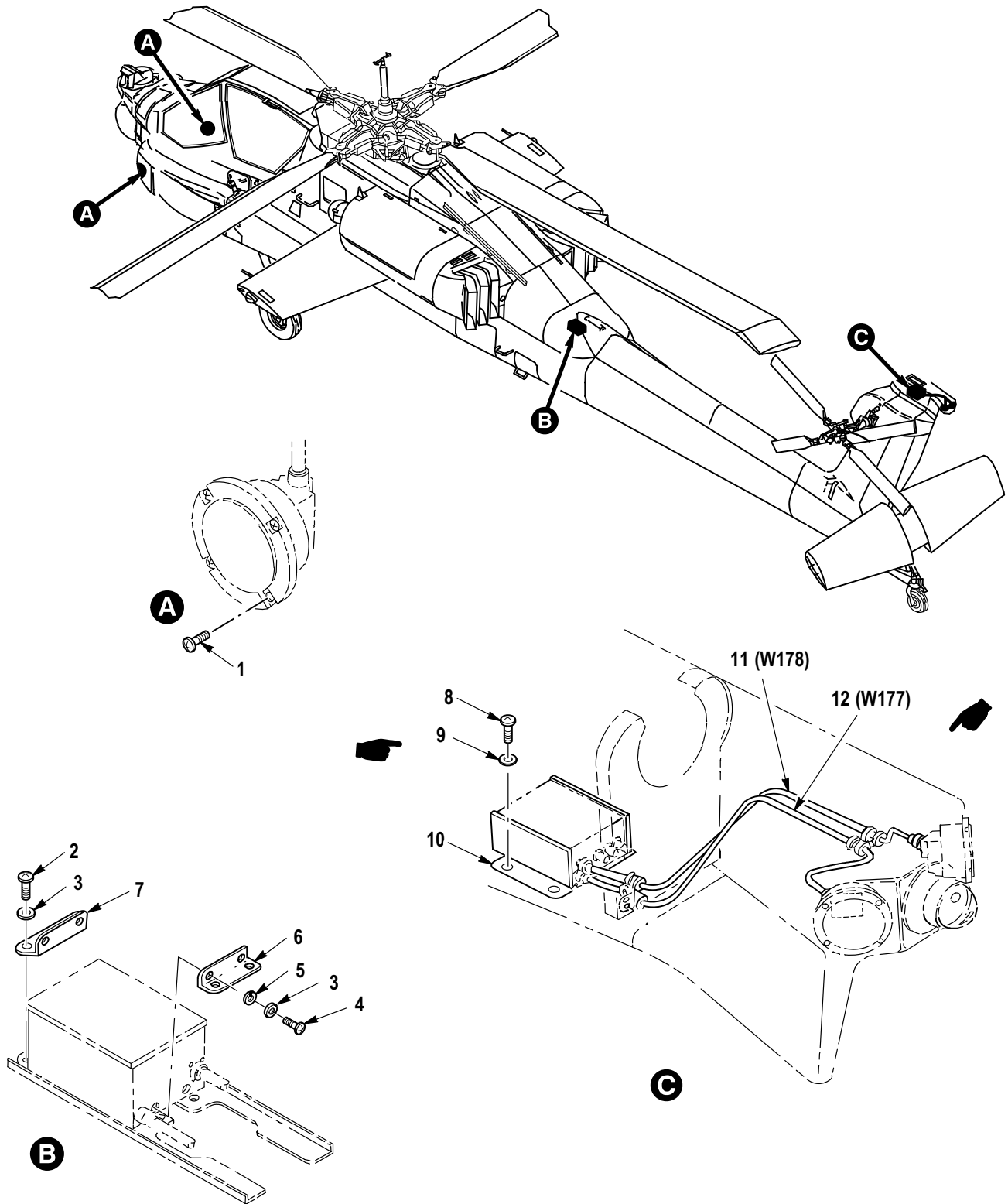
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 703 Countermeasure Installation (Part 1)<br>7-31 1113421 |            |
| 1                  | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....   | 4          |
| 2                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....  | 4          |
| 3                  | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine .....  | 14         |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....  | 18         |
| 5                  | PBOOO              | 02731       | 7-367510020        | • Support, Chaff Dispe .....  | 1          |
| 6                  | PAOZA              | 81349       | M83723/61-212R     | • • Dummy Connector, Rec .....  | 1          |
| 7                  | XDOZZ              | 02731       | 7-367510020-5      | • • Clip .....  | 1          |
| 8                  | PAOZZ              | 96906       | MS21075L4E         | • • Nut, Self-Locking, PI .....   | 12         |
| 9                  | PAOZZ              | 80205       | NAS1303-62         | • Bolt, Shear .....   | 4          |
| 10                 | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....  | 4          |
| 11                 | PAOZZ              | 02731       | 7-262120029        | • Cover, Access .....   | 1          |
| 12                 | PBOOO              | 02731       | 7-31 1113422       | • Cover, Access .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS51957-15         | • • Screw, Machine .....  | 4          |
| 14                 | PAOZZ              | 96906       | MS15795-803        | • • Washer, Flat .....  | 8          |
| 15                 | PAOZZ              | 80205       | MS21044C04         | • • Nut, Self-Locking, He .....   | 4          |
| 16                 | PAOZZ              | 81349       | M38999/10-10B      | • • Dummy Connector, Rec .....  | 1          |
| 17                 | PBOOO              | 02731       | 7-31 1113423       | • Hardware Kit, Mechan .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS21076L3N         | • • Nut, Self-Locking, PI .....   | 4          |
| 19                 | PBOZZ              | 02731       | 7-31 1113426       | • Bag, Textile .....  | 1          |
| 20                 | XDOZZ              | 02731       | 7-31 1113427       | • Strip, Artificial Lea .....   | 3          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1154E

Figure 704. Group 16 Countermeasure Installation (Part 2)  
7-31 1113421

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 704 Countermeasure Installation (Part 2)<br>7-31 1113421 |            |
| 1                  | PAOZZ              | 80205       | NAS623-3-5         | ▪ Screw, Machine .....  | 16         |
| 2                  | PAOZZ              | 80205       | NAS623-3-3         | ▪ Screw, Machine .....  | 40         |
| 3                  | PAOZZ              | 80205       | NAS623-3-4         | ▪ Screw, Machine .....  | 10         |
| 4                  | PAOZZ              | 59875       | TX90790-34         | ▪ Washer, Flat .....  | 30         |
| 5                  | PBOOO              | 02731       | 7-267540001-5      | ▪ Support Assembly Co .....   | 1          |
| 6                  | PBOOO              | 02731       | 7-267540001-7      | ▪ Support Assembly Co .....   | 1          |
| 7                  | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, PI .....  | 4          |
| 8                  | PBOOO              | 02731       | 7-267540001-3      | ▪ Support Assembly Co .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS21075-L3         | •• Nut, Self-Locking, PI .....  | 8          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1155C

Figure 705. Group 16 Countermeasure Installation (Part 3)  
7-31 1113421

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 705 Countermeasure Installation (Part 3)<br>7-31 1113421 |            |
| 1                  | PAOZZ              | 96906       | MS24693C28         | ▪ Screw, Machine .....  | 8          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | ▪ Screw, Machine .....  | 4          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | ▪ Washer, Flat .....  | 18         |
| 4                  | PAOZZ              | 80205       | NAS623-3-1         | ▪ Screw, Machine .....  | 10         |
| 5                  | PAOZZ              | 96906       | MS35338-43         | ▪ Washer, Lock .....  | 7          |
| 6                  | PAOZZ              | 02731       | 7-214200014-3      | ▪ Bracket, Angle .....  | 1          |
| 7                  | PAOZZ              | 02731       | 7-214200014-5      | ▪ Bracket, Angle .....  | 1          |
| 8                  | PAOZZ              | 80205       | NAS1096-3-7        | ▪ Screw, Machine .....  | 4          |
| 9                  | PAOZZ              | 80205       | NAS1149D0332J      | ▪ Washer, FLat .....  | 4          |
| 10                 | XDOZZ              | 02731       | 7-367530001        | ▪ Bracket, Installatio .....  | 1          |
| 11                 | PAOZZ              | 68999       | AE11776-3          | ▪ Cable Assembly, Radi .....  | 1          |
| 12                 | PAOZZ              | 68999       | AE11776-4          | ▪ Cable Assembly, Radi .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

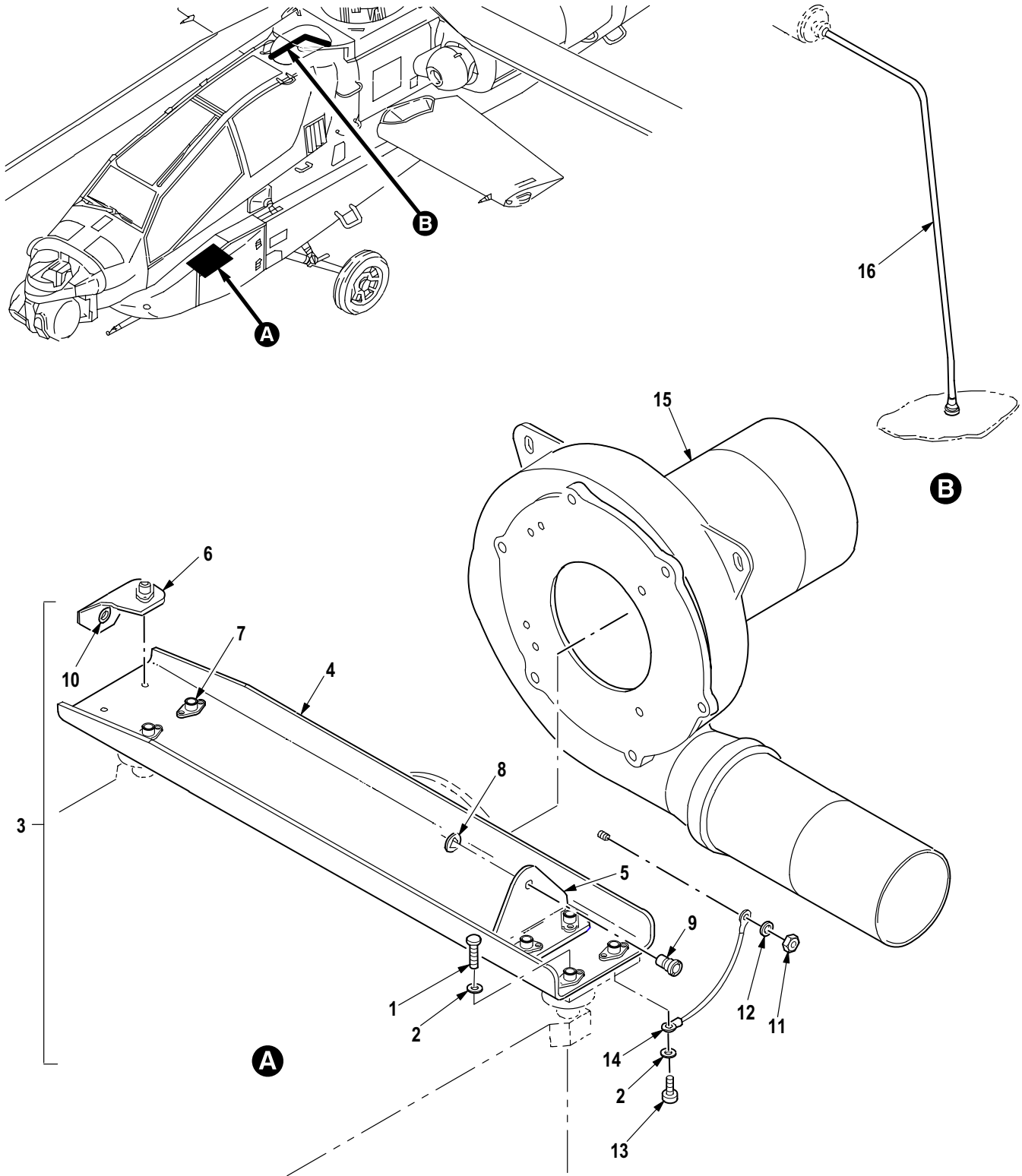
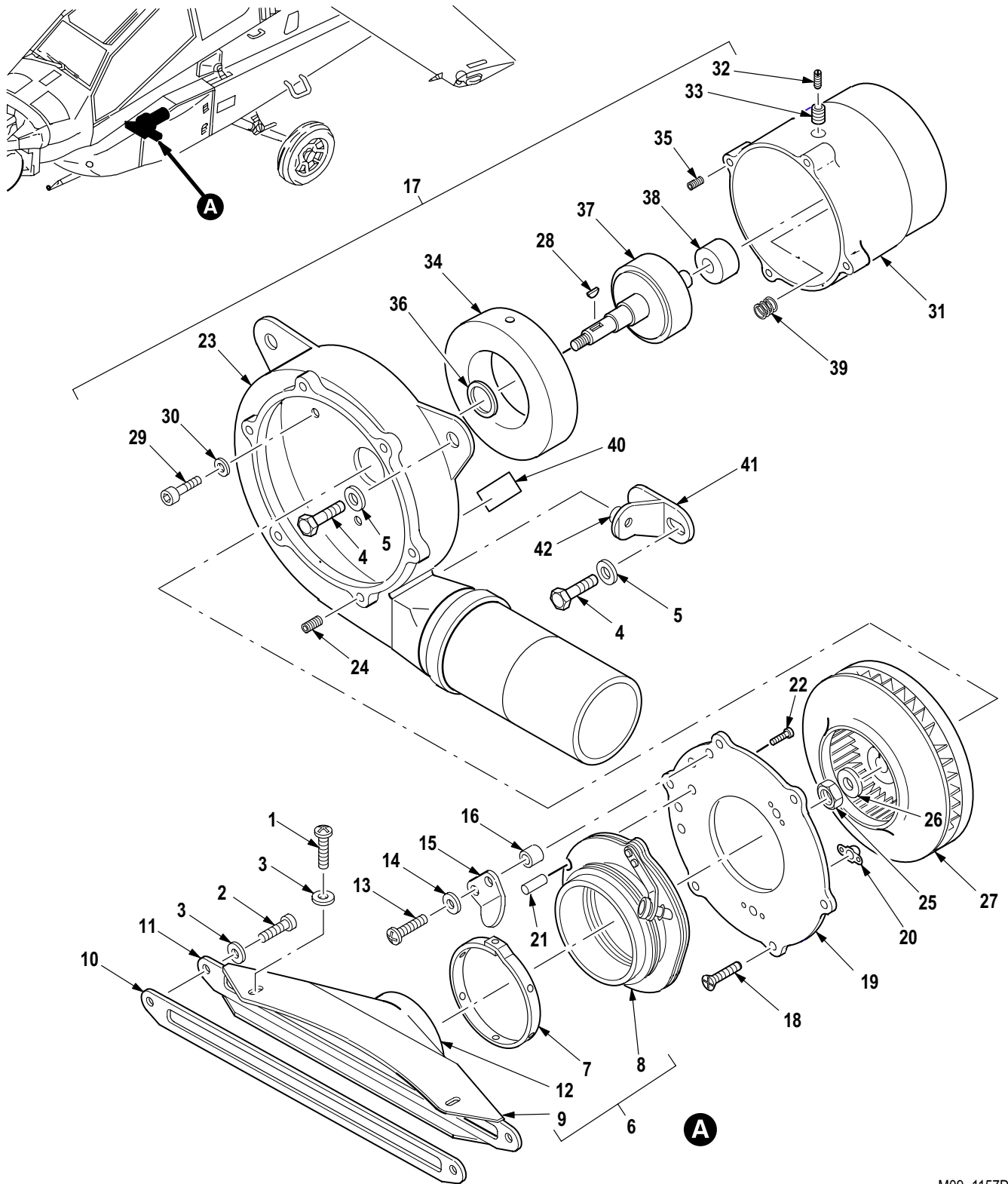


Figure 706. Group 16 Countermeasure Installation (Part 4)  
7-31 1113421

M09-1156D

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 706 Countermeasure Installation (Part 4)<br>7-31 1113421 |            |
| 1                  | PAOZZ              | 80205       | NAS1402-5          | ▪ Screw, Machine .....  | 15         |
| 2                  | PAOZZ              | 88044       | AN960JD8           | ▪ Washer, Flat .....  | 16         |
| 3                  | PBOOO              | 02731       | 7-367520004        | ▪ Channel Assembly, Re .....  | 2          |
| 4                  | XDOZZ              | 02731       | 7-367520004-3      | ▪ Channel .....   | 1          |
| 5                  | XDOZZ              | 02731       | 7-367520004-7      | ▪ Angle .....   | 1          |
| 6                  | XDOZZ              | 02731       | 7-367520004-9      | ▪ Angle .....   | 1          |
| 7                  | PAOZZ              | 02731       | HS4482-82-2        | ▪ Nut, Self-Locking, PI .....   | 8          |
| 8                  | PAOZZ              | 02731       | HS4497-7           | ▪ Push On Nut .....   | 1          |
| 9                  | PAOZZ              | 02731       | HS5294-1 100       | ▪ Stud, Turnlock Faste .....  | 1          |
| 10                 | PAOZZ              | 02731       | HS606S4-5          | ▪ Bushing, Sleeve .....   | 1          |
| 11                 | PAOZZ              | 80205       | MS21042L3          | ▪ Nut, Self-Locking, Ex .....   | 1          |
| 12                 | PAOZZ              | 88044       | AN960JD10          | ▪ Washer, Flat .....  | 1          |
| 13                 | PAOZZ              | 80205       | NAS1402-6          | ▪ Screw, Machine .....  | 1          |
| 14                 | PAOZZ              | 81349       | M83413/8-8-D06BB   | ▪ Lead, Electrical .....  | 1          |
| 15                 | XCOFF              | 02731       | 7-267521000        | ▪ Cooling System Inst (See Fig. 707 for Breakdown) .....                                    | 1          |
| 16                 | PAOZZ              | 02731       | 7-367520002-003    | ▪ Cable Assembly, Spec .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



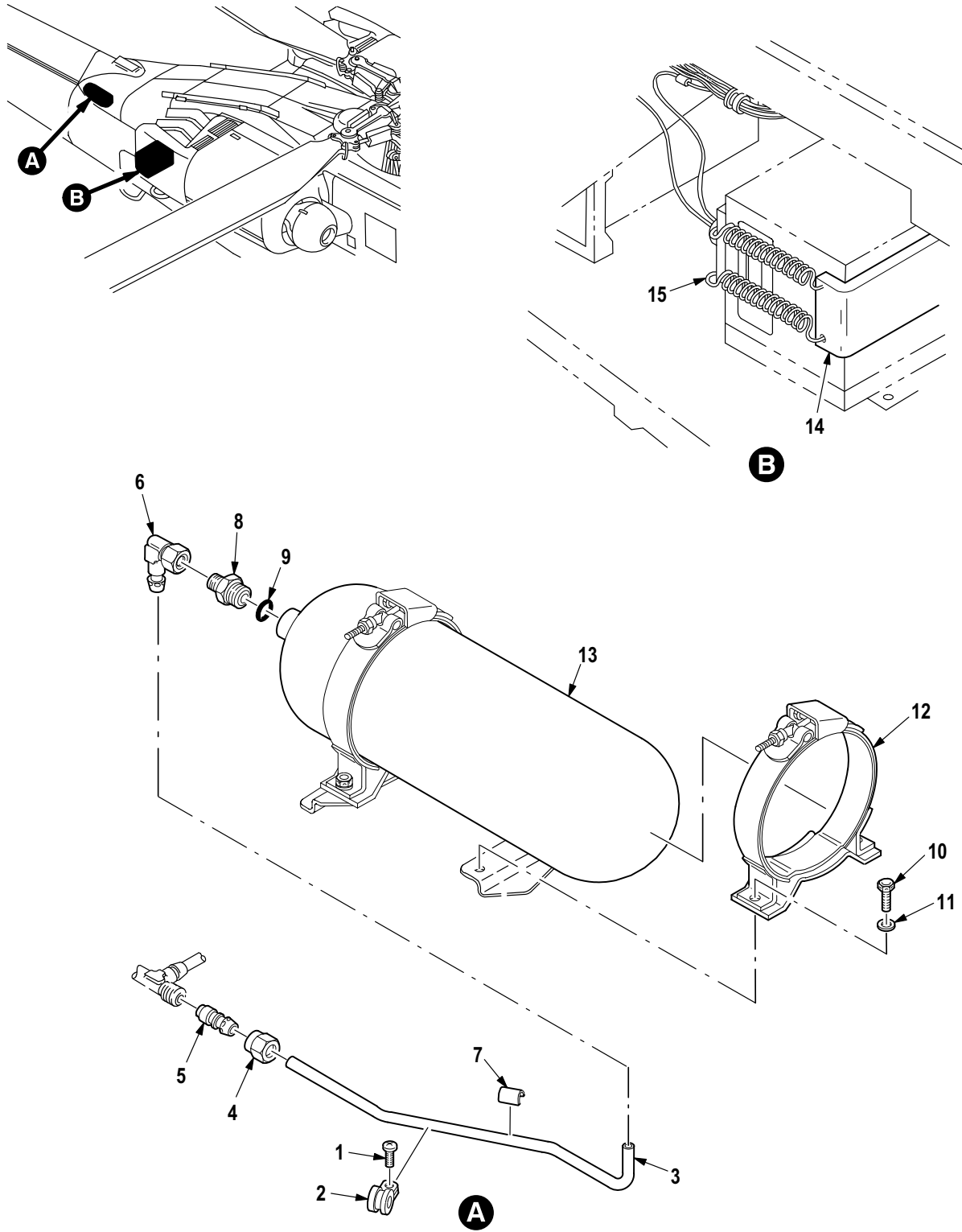
M09-1157D

Figure 707. Group 16 Cooling System Installation, Radar Jammer  
7-267521000



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 707 Cooling System Installation,<br>Radar Jammer<br>7-267521000<br>See Fig. 706 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS601-7P          | • Screw, Machine .....   | 2          |
| 2                  | PAOZZ              | 80205       | NAS601-8P          | • Screw, Machine .....   | 2          |
| 3                  | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat .....   | 4          |
| 4                  | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....  | 5          |
| 5                  | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....   | 5          |
| 6                  | PBOOZ              | 02731       | 7-267521005-5      | • Duct Assembly, Air C .....   | 1          |
| 7                  | PAOZZ              | 88907       | B54-33683          | •• Clamp, Hose .....   | 1          |
| 8                  | PAOZZ              | 02731       | 7-267521006        | •• Bellows, Pressure .....   | 1          |
| 9                  | PBOOO              | 02731       | 7-267521007-13     | •• Duct Assembly, Air C .....  | 1          |
| 10                 | MOOZZ              | 02731       | 7-267521007-23     | ••• Seal .....   | 1          |
| 11                 | MOOZZ              | 02731       | 7-267521007-19     | ••• Shim, Duct Assy .....  | 2          |
| 12                 | MOOZZ              | 02731       | 7-267521007-21     | ••• Seal .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS35206-246        | • Screw, Machine .....   | 4          |
| 14                 | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat .....   | 4          |
| 15                 | XDOZZ              | 02731       | 7-267521004        | • Clip, Retention .....  | 2          |
| 16                 | PAOZZ              | 02731       | HS12D07-120-014    | • Spacer, Sleeve .....   | 4          |
| 17                 | PAOFF              | 02731       | 7-267521001        | • Fan, Centrifugal (Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 17                 | PAOFF              | 02731       | 7-267521001-3      | • Fan, Centrifugal (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 18                 | XDFZA              | 80205       | NAS514P832-4P      | •• Screw, Machine .....  | 6          |
| 19                 | PAFFF              | 58163       | 40607-1            | •• Plate, Entrance Cove .....  | 1          |
| 20                 | PAFZZ              | 02731       | HS4427-1           | ••• Receptacle, Turnlock .....   | 2          |
| 21                 | XDFZZ              | 58163       | 40613-1            | ••• Pin, Straight, Thread .....  | 1          |
| 22                 | PAFZZ              | 96906       | MS21091-04002      | •• Screw, Cap, Socket He .....   | 1          |
| 23                 | XDFFF              | 58163       | 40605-1            | •• Housing, Assy (Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 23                 | XDFFF              | 58163       | 40605-3            | •• Housing Assy (Usbl Eff 88-0200 and Subs) .....  | 1          |
| 24                 | PAFZZ              | 96906       | MS21209C0810       | ••• Insert, Screw Thread .....   | 6          |
| 25                 | PAFZZ              | 96906       | MS21083N6          | •• Nut, Self-Locking, He .....   | 1          |
| 26                 | PAFZZ              | 88044       | AN960-616          | •• Washer, Flat .....  | 1          |
| 27                 | PAFZZ              | 58163       | 40594-1            | •• Impeller, Fan, Axial .....  | 1          |
| 28                 | PAFZZ              | 96906       | MS35756-6          | •• Key, Woodruff .....   | 1          |
| 29                 | PAFZZ              | 80205       | NAS1352-08-12P     | •• Screw, Cap, Socket He .....   | 4          |
| 30                 | PAFZZ              | 80205       | NAS620-8           | •• Washer, Flat .....  | 4          |
| 31                 | PAFFF              | 58163       | 40593-1            | •• Housing Assy .....  | 1          |
| 32                 | PAFZZ              | 88044       | AN565CC4H4         | ••• Setscrew .....   | 1          |
| 33                 | PAFZZ              | 96906       | MS21209C0415       | ••• Insert, Screw Thread .....   | 1          |
| 34                 | XAFZZ              | 58163       | 40603-1            | ••• Stator, Assy .....   | 1          |
| 35                 | PAFZZ              | 96906       | MS21209C0820       | ••• Insert, Screw Thread .....   | 4          |
| 36                 | PAFZZ              | 96906       | MS16625-41 12      | •• Ring, Retaining .....   | 1          |
| 37                 | PAFZZ              | 58163       | 40597-1            | •• Rotor, Shaft Assembl .....  | 1          |
| 38                 | PAFZZ              | 70854       | 101FFTX1K6G33      | •• Bearing, Ball, Annula .....   | 2          |
| 39                 | PAFZZ              | 05341       | BS101              | •• Washer, Spring Tensi .....  | 4          |
| 40                 | XDFZZ              | 58163       | 40604-1            | •• Nameplate (Usbl Eff 82-23355 thru 88-0199) .....  | 1          |
| 40                 | XDFZZ              | 58163       | 42617-1            | •• Nameplate (Usbl Eff 88-0200 and Subs) .....   | 1          |
| 41                 | PBOOO              | 02731       | 7-267521002        | • Support, Cooling Fan .....   | 1          |
| 42                 | PAOZZ              | 96906       | MS21075-4          | •• Nut, Self-Locking, Pl .....   | 1          |

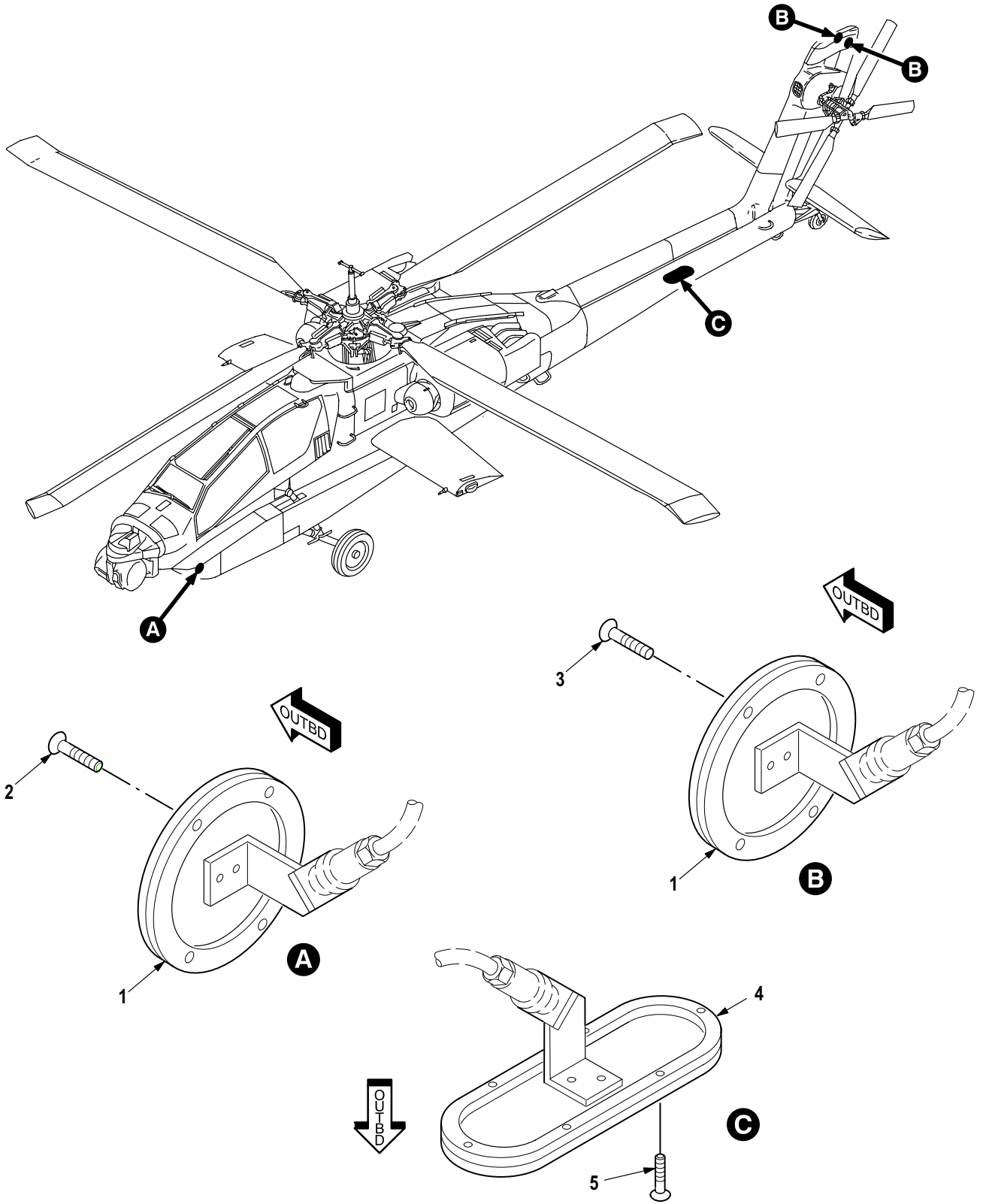
END OF FIGURE



M09-1168A

Figure 708. Group 16 Kit, Winterization System Installation  
7-367200000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 708 Kit, Winterization System Installation<br>7-367200000 |            |
| 1                  | PAOZZ              | 80205       | NAS1801-3-6        | ▪ Screw, Machine .....   | 1          |
| 2                  | PAOZZ              | 02731       | HS4501D04NB        | ▪ Clamp, Loop .....  | 1          |
| 3                  | XDOOO              | 02731       | 7-367200001        | ▪ Tube Assy, Metal .....   | 1          |
| 4                  | PAOZZ              | 02731       | HS4515-4           | ▪ Nut, Plain, Hexagon .....  | 1          |
| 5                  | PAOZZ              | 02731       | HS4516-4           | ▪ Sleeve, Clinch, Tube .....   | 1          |
| 6                  | PAOZZ              | 14798       | D10021A-4          | ▪ Elbow, Tube .....  | 1          |
| 7                  | XDOZZ              | 02731       | HS4367-2           | ▪ Plate, Identificatio .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS21916J5-4        | ▪ Reducer, Boss .....  | 1          |
| 9                  | PAOZZ              | 81349       | M83248/1-905       | ▪ O-Ring .....   | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604H-1         | ▪ Bolt, Shear .....  | 4          |
| 11                 | PAOZZ              | 80205       | AN960PD416L        | ▪ Washer, Flat .....   | 4          |
| 12                 | PAOZZ              | 02731       | HS5310-0001        | ▪ Clamp, Loop .....  | 2          |
| 13                 | PAOZZ              | 02731       | 7-31 1810015       | ▪ Accumulator, Pneumat .....   | 1          |
| 14                 | XDOOO              | 02731       | 7-367220000-3      | ▪ Blanket, Heater-Batt .....   | 1          |
| 15                 | PAOZZ              | 1T113       | 60-0640-006        | ▪ Spring, Helical, Exte .....  | 2          |
| END OF FIGURE      |                    |             |                    |  |            |



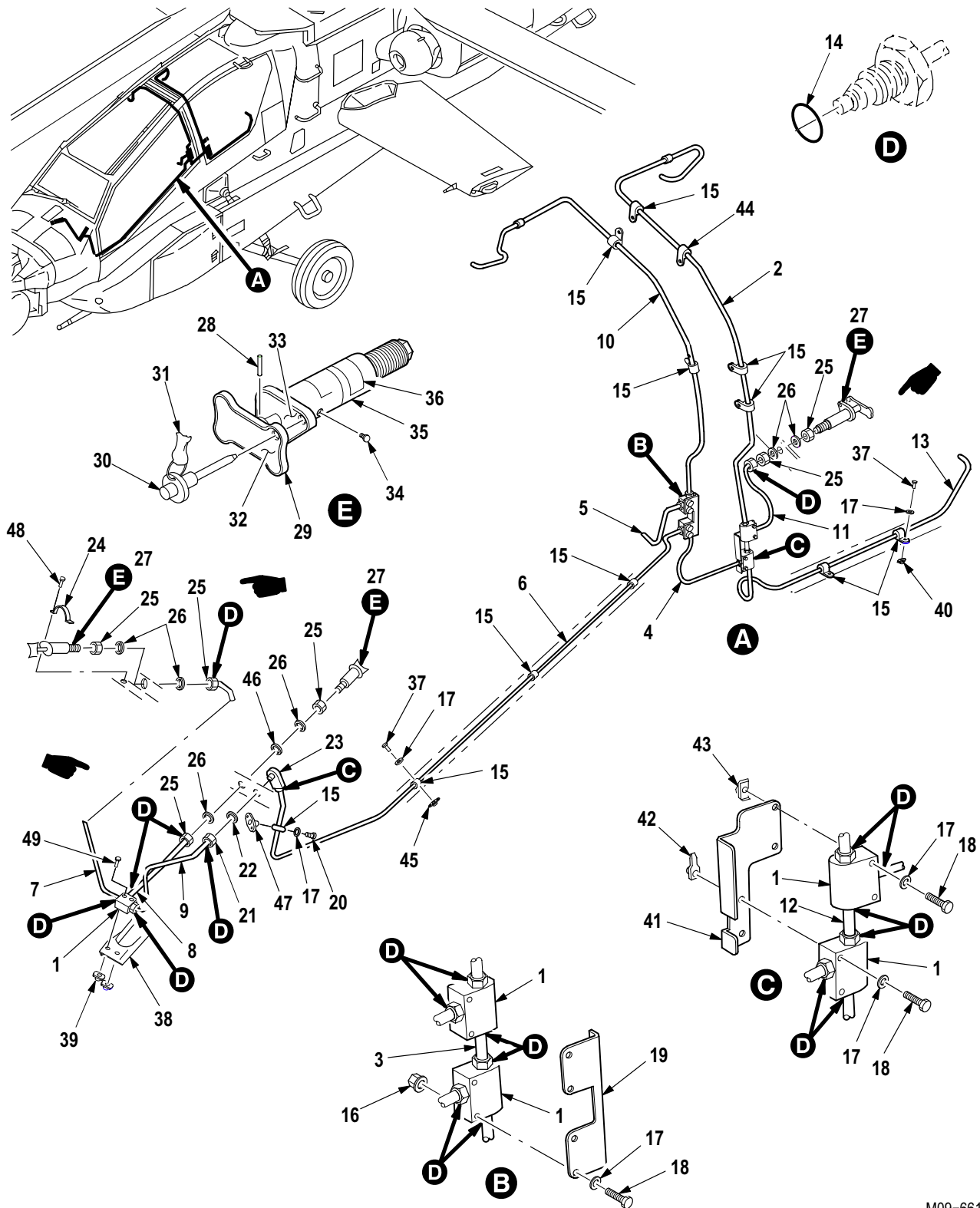
M09-1158D

Figure 709. Group 16 Covers, Antenna Blade

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 709 Covers, Antenna Blade |            |
| 1                  | PBOZZ              | 02731       | 7-314200001        | • Cover, Access .....  | 1          |
| 2                  | PAOZZ              | 96906       | MS24693C25         | • Screw, Machine .....                                       | 4          |
| 3                  | PAOZZ              | 96906       | MS24693C28         | • Screw, Machine .....                                       | 8          |
| 4                  | PBOZZ              | 02731       | 7-314200009        | • Cover, Access .....  | 1          |
| 5                  | PAOZZ              | 96906       | MS24693B28         | • Screw, Machine .....                                       | 6          |
| END OF FIGURE      |                    |             |                    |  |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 710 Wire Strike Protection Installation,<br>Gun Deflector<br>7-217220000-61 1 |            |
| 1                  | PAOZZ              | 80205       | NAS1303-8H         | • Bolt, Shear .....  | 6          |
| 2                  | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....   | 6          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....  | 6          |
| 4                  | PAOZZ              | 35951       | 443-83103-1        | • Bracket, Mounting .....  | 1          |
| 5                  | PAOZZ              | 80205       | NAS6606-42         | • Bolt, Shear .....  | 2          |
| 6                  | PAOZZ              | 88044       | AN960-616          | • Washer, Flat .....   | 7          |
| 7                  | PAOZZ              | 96906       | MS21042-6          | • Nut, Self-Locking, Ex .....  | 3          |
| 8                  | PAOZZ              | 80205       | NAS6604-22         | • Bolt, Shear .....  | 2          |
| 9                  | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....   | 8          |
| 10                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....  | 3          |
| 11                 | PAOZZ              | 80205       | NAS1306-23H        | • Bolt, Shear .....  | 1          |
| 12                 | XDOZZ              | 80205       | NAS1304-52         | • Bolt, Shear .....  | 1          |
| 13                 | PAOZZ              | 80205       | NAS6606-2          | • Bolt, Shear .....  | 1          |
| 14                 | PAOZZ              | 35951       | 443-831 10-1       | • Deflector, Cable .....   | 1          |
| 15                 | PAOOO              | 35951       | 443-83095-1        | • Cutter, Cable, Aircra .....  | 1          |
| 16                 | PAOZZ              | 35951       | 990-00026-3        | •• Screw, Cap, Socket He .....   | 8          |
| 17                 | PAOZZ              | 80205       | NAS620-8           | •• Washer, Flat .....  | 16         |
| 18                 | PAOZZ              | 96906       | MS21042L08         | •• Nut, Self-Locking, Ex .....   | 8          |
| 19                 | PAOZZ              | 35951       | 366-83007-1        | •• Blade, Cutter Assy .....  | 1          |
| 20                 | PAOZZ              | 35951       | 366-83007-3        | •• Blade, Cutter Assy .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-661K

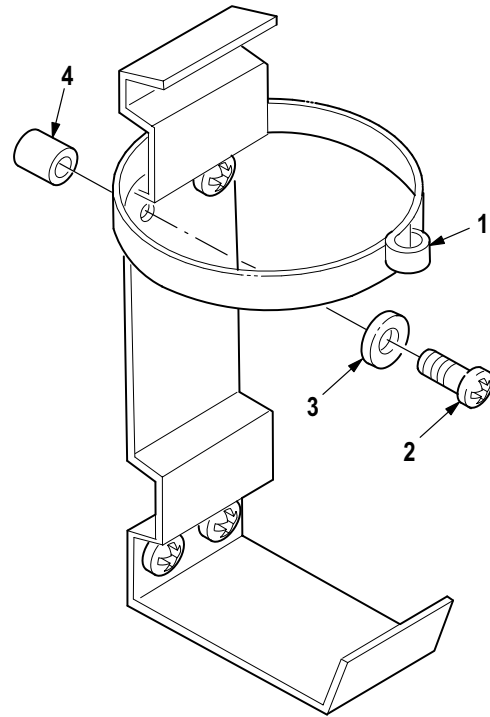
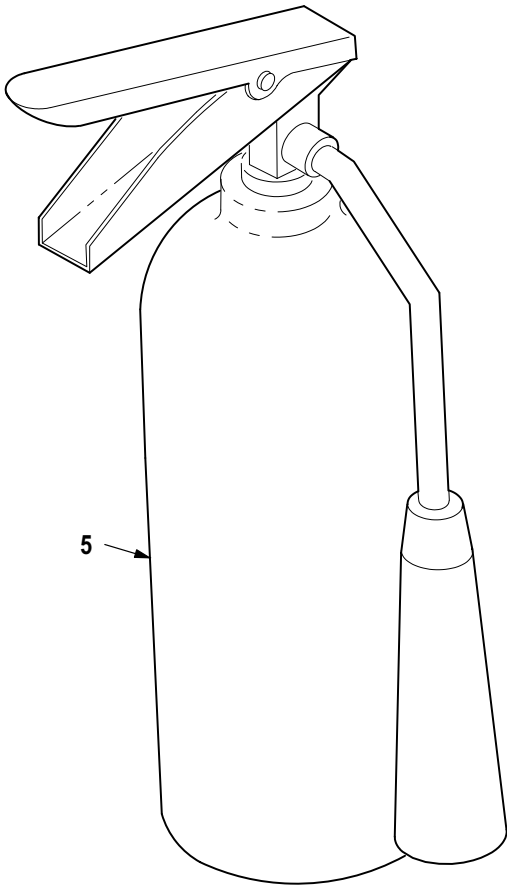
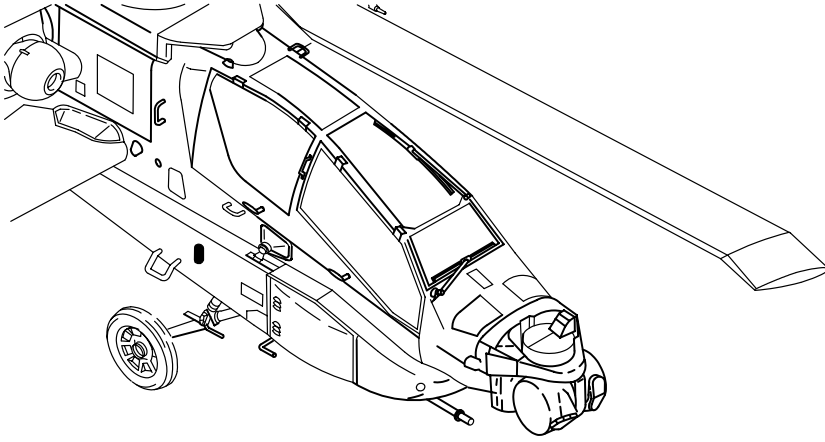
Figure 711. Group 17 Canopy Severance Device Installation  
7-311112058



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 711 Canopy Severance Device Installation<br>7-31 1112058 |            |
| 1                  | PBOZZ              | 02731       | 7-31 1112017-3     | • Severance Device, Ca .....  | 5          |
| 2                  | PBOZZ              | 02731       | 7-31 1112017-49    | • Cord Assembly, Deton .....  | 1          |
| 3                  | PBOZZ              | 02731       | 7-31 1112017-21    | • Severance Device, Ca .....  | 1          |
| 4                  | PBOZZ              | 02731       | 7-31 1112017-19    | • Severance Device, Ca .....  | 1          |
| 5                  | PBOZZ              | 02731       | 7-31 1112017-23    | • Severance Device, Ca .....  | 1          |
| 6                  | PBOZZ              | 02731       | 7-31 1112017-27    | • Severance Device, Ca .....  | 1          |
| 7                  | PBOZZ              | 02731       | 7-31 1112017-33    | • Severance Device, Ca .....  | 1          |
| 8                  | PBOZZ              | 02731       | 7-31 1112017-29    | • Severance Device, Ca .....  | 1          |
| 9                  | PBOZZ              | 02731       | 7-31 1112017-43    | • Severance Device, Ca .....  | 1          |
| 10                 | PBOZZ              | 02731       | 7-31 1112017-47    | • Cord Assembly, Deton .....  | 1          |
| 11                 | PBOZZ              | 02731       | 7-31 1112017-35    | • Severance Device, Ca .....  | 1          |
| 12                 | PBOZZ              | 02731       | 7-31 1112017-15    | • Severance Device, Ca .....  | 1          |
| 13                 | PBOZZ              | 02731       | 7-31 1112017-13    | • Severance Device, Ca .....  | 1          |
| 14                 | PAOZZ              | 81349       | M83248/2-903       | •• O-Ring .....   | 2          |
| 15                 | PAOZZ              | 96906       | MS21322-33         | • Clamp, Loop .....   | 11         |
| 16                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 4          |
| 17                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....  | 12         |
| 18                 | PAOZZ              | 88044       | AN3-1 1            | • Bolt, Machine .....   | 8          |
| 19                 | XDOZZ              | 02731       | 7-31 1112058-17    | • Clip .....  | 1          |
| 20                 | PAOZZ              | 80205       | NAS623-3-5         | • Screw, Machine .....  | 1          |
| 21                 | PAOZZ              | 96906       | MS21083D10         | • Nut, Self-Locking, He .....   | 1          |
| 22                 | PAOZZ              | 88044       | AN960JD1016L       | • Washer, Flat .....  | 1          |
| 23                 | PAOZZ              | 02731       | 7-31 1112017-45    | • Elbow, Severance Dev .....  | 1          |
| 24                 | PAOZZ              | 02731       | HS4181A16          | • Strap, Retaining .....  | 1          |
| 25                 | PAOZZ              | 96906       | MS9200-08          | • Nut, Plain Hexagon .....  | 6          |
| 26                 | PAOZZ              | 88044       | AN960PD1216L       | • Washer, Flat .....  | 6          |
| 27                 | PBOOA              | 02731       | 7-31 1112017-51    | • Initiator, Cartridge .....  | 3          |
| 28                 | XAOZZ              | 96906       | MS16562-34         | •• Pin, Spring .....  | 1          |
| 29                 | XDOZZ              | 17610       | 23199-2            | •• Handle .....   | 1          |
| 30                 | PAOZZ              | 96906       | MS17984C412        | •• Pin, Quick Release .....   | 1          |
| 31                 | PAOZZ              | 80205       | NAS1756-12         | •• Streamer, Warning .....  | 1          |
| 32                 | XDOZZ              | 17610       | 23206-2            | •• Label, Canopy Jtsn .....   | 1          |
| 33                 | XDOZZ              | 17610       | 23205-2            | •• Label, Safe and Arm .....  | 1          |
| 34                 | XDOZZ              | 17610       | 23282-2            | •• Spring Holder .....  | 1          |
| 35                 | XDOZZ              | 17610       | 23201-2            | •• Cap, End .....   | 1          |
| 36                 | XDOZZ              | 17610       | 22866-2            | •• Nameplate .....  | 1          |
| 37                 | XDOZZ              | 80205       | NAS623-3-4         | • Screw, Machine .....  | 5          |
| 38                 | XDOOO              | 02731       | 7-31 1112058-21    | • Bracket Assy .....  | 1          |
| 39                 | PAOZZ              | 02731       | HS4174-2           | •• Nut, Self-Locking, Pl .....  | 2          |
| 40                 | PAOZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....   | 4          |
| 41                 | XDOOO              | 02731       | 7-31 1112058-3     | • Clip Assy .....   | 1          |
| 42                 | PAOZZ              | 96906       | MS21062L3          | •• Nut, Self-Locking, Pl .....  | 2          |
| 43                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, Pl .....  | 2          |
| 44                 | PAOZZ              | 96906       | MS21333-97         | • Clamp, Loop .....   | 6          |
| 45                 | PAOZZ              | 96906       | MS21061L3          | • Nut, Self-Locking, Pl .....   | 1          |
| 46                 | PAOZZ              | 80205       | NAS1523AA13H       | • Packing With Retain .....   | 1          |
| 47                 | PAOZZ              | 96906       | MS21074L3          | • Nut, Self-Locking, Pl .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 48                 | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine .....                      | 2          |
| 49                 | PAOZZ              | 80205       | NAS623-3-14        | • Screw, Machine .....                      | 2          |
| END OF FIGURE      |                    |             |                    |   |            |





M09-909A

Figure 712. Group 17 Portable Fire Extinguisher Installation  
7-211180002

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 712 Portable Fire Extinguisher Installation<br>7-21 1180002 |            |
| 1                  | XDOZZ              | 02731       | 7-1 11150003       | ▪ Clip, Fire Extinguis .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1404-6          | ▪ Screw, Machine .....   | 4          |
| 3                  | PAOZZ              | 88044       | AN960PD416L        | ▪ Washer, Flat .....   | 4          |
| 4                  | PAOZZ              | 80205       | NAS43DD4-12FC      | ▪ Spacer, Sleeve .....   | 1          |
| 5                  | PAOZZ              | 06535       | M-133-01           | ▪ Extinguisher, Fire .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

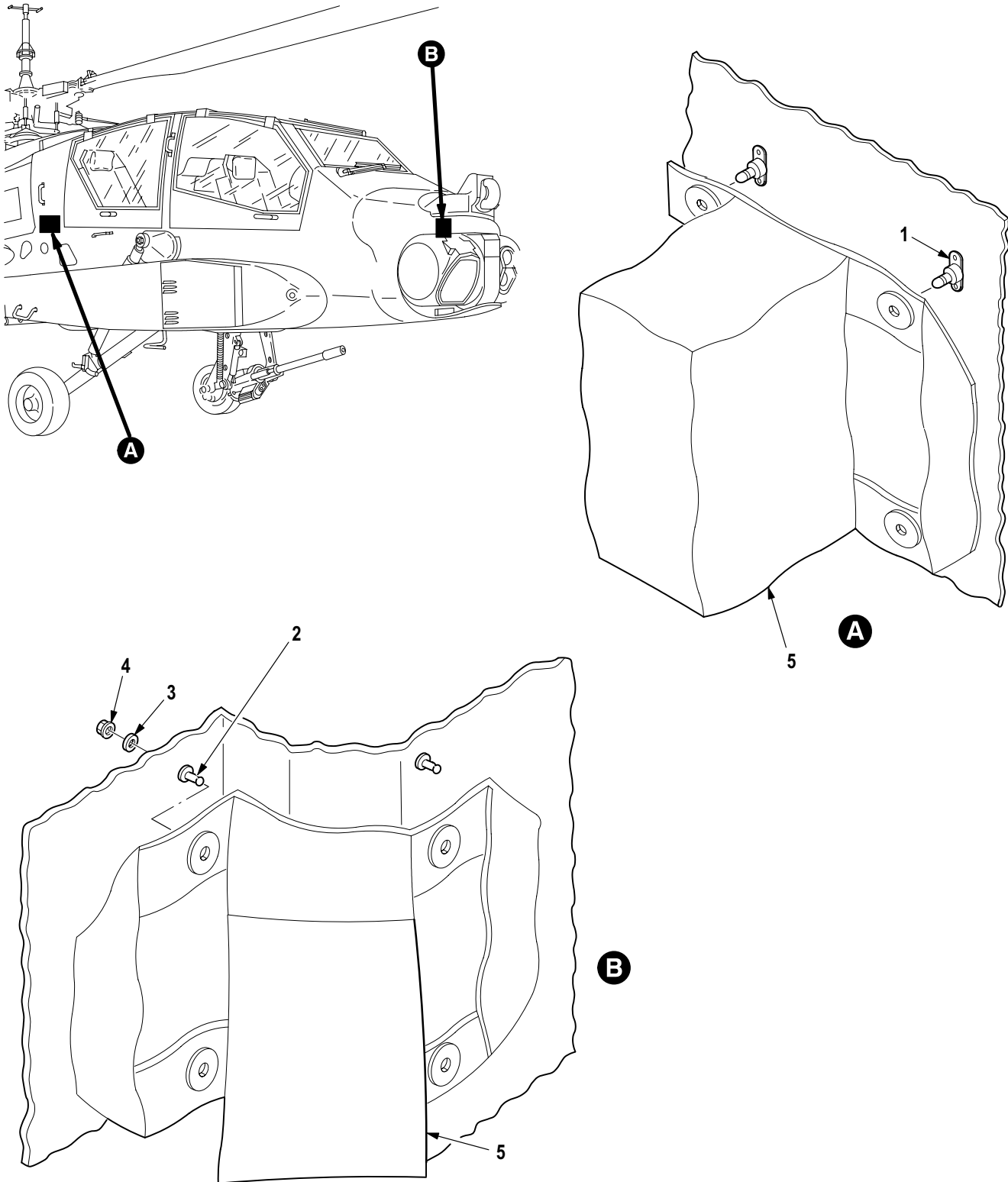


Figure 713. Group 17 First Aid Kit Installation (FWD and AFT Cockpits)  
7-31 1180001

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 713 First Aid Kit Installation<br>(FWD and AFT Cockpits)<br>7-31 1180001 |            |
| 1                  | PAOZZ              | 80020       | 49955-22L          | • Stud, Snap Fastener .....   | 4          |
| 2                  | PAOZZ              | 96906       | MS27977-29B        | • Stud, Snap Fasten .....   | 4          |
| 3                  | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat .....  | 4          |
| 4                  | PAOZZ              | 96906       | MS21042L08         | • Nut, Self-Locking, Ex .....   | 4          |
| 5                  | PAOZZ              | 81996       | RR102              | • First Aid Kit, Ai .....   | 2          |
| END OF FIGURE      |                    |             |                    |   |            |





| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 60 Bulk Materials<br>Fig. Bulk  |            |
| 1                  | PAFZZ              | 81349       | MILC7637TYPE1      | • Asbestos Sheet, Wove 40 In. Wide, 0.062 Thk. Any<br>Acceptable Length ..... | V          |
| 2                  | PAOZZ              | 81348       | QQA225-6           | • Bar, Metal T4, 0.1875 Thk., 0.500 Wide .....                                | V          |
| 3                  | PAOZZ              | 02731       | HS1089-3-6200      | • Bar, Metal, Extru .....   | V          |
| 4                  | PAOZZ              | 02731       | HS1089-3A25600     | • Bar, Metal, Extru .....   | V          |
| 5                  | PAOZZ              | 02731       | HS4863-1           | • Cable, Electrical .....   | V          |
| 6                  | PAOZZ              | 02731       | HS5313A3001        | • Cable, Power, Electri .....   | V          |
| 7                  | PAOZZ              | 02731       | HS5313A3002        | • Cable, Power, Electri .....   | V          |
| 8                  | PAOZZ              | 02731       | HS5313A3003        | • Cable, Power, Electri .....   | V          |
| 9                  | PAOZZ              | 02731       | HS5313A4001        | • Cable, Power, Electri .....   | V          |
| 10                 | PAOZZ              | 02731       | HS5313A4002        | • Cable, Power, Electri .....   | V          |
| 11                 | PAOZZ              | 81349       | M27500-14MW2U00    | • Cable, Power, Electri .....   | V          |
| 12                 | PAOZZ              | 81349       | M27500-16W2U00     | • Cable, Power, Electri .....   | V          |
| 13                 | PAOZZ              | 81349       | M27500-16MW4U00    | • Cable, Power, Electri .....   | V          |
| 14                 | PAOZZ              | 81349       | M27500-18MW2U00    | • Cable, Power, Electri .....   | V          |
| 15                 | PAOZZ              | 84147       | FHJ1-50            | • Cable, Radio Frequen .....  | 1          |
| 16                 | PAOZZ              | 81349       | M17/113-RG316      | • Cable, Radio Frequen .....  | V          |
| 17                 | PAOZZ              | 07145       | RD-316             | • Cable, Radio Frequen .....  | V          |
| 18                 | PAOZZ              | 06090       | MK-0015-69         | • Cable, Segment, Assor Part of Kit P/N MK-0015-1 .....                       | V          |
| 19                 | PAOZZ              | 06090       | MK-0015-78         | • Cable, Segment, Assor Part of Kit P/N MK-0015-1 .....                       | V          |
| 20                 | PAOZZ              | 06090       | MK-0015-79         | • Cable, Shield, Assort Part of Kit P/N MK-0015-1 .....                       | V          |
| 21                 | PAOZZ              | 81349       | M27500-20MR2G11    | • Cable, Special Purpo .....  | V          |
| 22                 | PAOZZ              | 81349       | M27500-20MW3U00    | • Cable, Special Purpo .....  | V          |
| 23                 | PAOZZ              | 81349       | M27500-20MW4U00    | • Cable, Special Purpo .....  | V          |
| 24                 | PAFZZ              | 81349       | M27500-20SB2U00    | • Cable, Special Purpo .....  | V          |
| 25                 | PAOZZ              | 81349       | M27500-22MR1G11    | • Cable, Special Purpo .....  | V          |
| 26                 | PAOZZ              | 81349       | M27500-22MR2G11    | • Cable, Special Purpo .....  | V          |
| 27                 | PAOZZ              | 81349       | M27500-22MR3G11    | • Cable, Special Purpo .....  | V          |
| 28                 | PAOZZ              | 81349       | M27500-22MW2U00    | • Cable, Special Purpo .....  | V          |
| 29                 | PAOZZ              | 81349       | M27500-22MW3U00    | • Cable, Special Purpo .....  | V          |
| 30                 | PAOZZ              | 81349       | M27500-22MW4U00    | • Cable, Special Purpo .....  | V          |
| 31                 | PAOZZ              | 81349       | M27500-24MT1G11    | • Cable, Special Purpo .....  | V          |
| 32                 | PAOZZ              | 81349       | M27500-24MT2G11    | • Cable, Special Purpo .....  | V          |
| 33                 | PAOZZ              | 81349       | M27500-24MT3G11    | • Cable, Special Purpo .....  | V          |
| 34                 | PAOZZ              | 81349       | M27500-24MT4G11    | • Cable, Special Purpo .....  | V          |
| 35                 | PAOZZ              | 81349       | M27500-24NA2U00    | • Cable, Special Purpo .....  | V          |
| 36                 | PAOZZ              | 81349       | M27500-24NA3U00    | • Cable, Special Purpo .....  | V          |
| 37                 | PAOZZ              | 81349       | M27500-24NA4U000   | • Cable, Special Purpo .....  | V          |
| 38                 | PAOZZ              | 81349       | M27500-24NA5U00    | • Cable, Special Purpo .....  | V          |
| 39                 | PAOZZ              | 86360       | 10595              | • Cable, Special Purpo .....  | V          |
| 40                 | PAOZZ              | 06090       | TC4003             | • Cap .....   | V          |
| 41                 | PAOZZ              | 06090       | MK-0015-38         | • Chart, Content, Kit Part of Kit P/N MK-0015-1 .....                         | 1          |
| 42                 | PAOZZ              | 06090       | CONVOLEX-1/2       | • Conduit, Nonmetallic .....  | V          |
| 43                 | PAOZZ              | 02731       | HS5239-1 110       | • Connector, Plug, Elec .....   | REF        |
| 44                 | PAOZZ              | 02731       | HS5239-1 120       | • Connector, Plug, Elec .....   | V          |
| 45                 | PAOZZ              | 02731       | HS5239-1210        | • Connector, Plug, Elec .....   | REF        |
| 46                 | PAOZZ              | 02731       | HS5239-1212        | • Connector, Plug, Elec .....   | REF        |
| 47                 | PAOZZ              | 02731       | HS5239-1220        | • Connector, Plug, Elec .....   | V          |
| 48                 | PAOZZ              | 02731       | HS5239-1222        | • Connector, Plug, Elec .....   | REF        |
| 49                 | PAOZZ              | 02731       | HS5239-1223        | • Connector, Plug, Elec .....   | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 50                 | PAOZZ              | 02731       | HS5239-1321        | • Connector, Plug, Elec .....   | V          |
| 51                 | PAOZZ              | 02731       | HS5239-1610        | • Connector, Plug, Elec .....   | V          |
| 52                 | PAOZZ              | 14798       | D10023D060404      | • Connector, Receptacl .....  | V          |
| 53                 | PAOZZ              | 14798       | D10023D101006      | • Connector, Receptacl .....  | V          |
| 54                 | PAOZZ              | 02731       | HS5239-21 10       | • Connector, Receptacl .....  | REF        |
| 55                 | PAOZZ              | 02731       | HS5239-21 12       | • Connector, Receptacl .....  | REF        |
| 56                 | PAOZZ              | 02731       | HS5239-2120        | • Connector, Receptacl .....  | V          |
| 57                 | PAOZZ              | 02731       | HS5239-2122        | • Connector, Receptacl .....  | V          |
| 58                 | PAOZZ              | 02731       | HS5239-2123        | • Connector, Receptacl .....  | V          |
| 59                 | PAOZZ              | 02731       | HS5239-2210        | • Connector, Receptacl .....  | REF        |
| 60                 | PAOZZ              | 02731       | HS5239-2212        | • Connector, Receptacl .....  | REF        |
| 61                 | PAOZZ              | 02731       | HS5239-2220        | • Connector, Receptacl .....  | V          |
| 62                 | PAOZZ              | 02731       | HS5239-2510        | • Connector, Receptacl .....  | V          |
| 63                 | PAOZZ              | 02731       | HS5239-2610        | • Connector, Receptacl .....  | V          |
| 64                 | PAOZZ              | 06090       | MTCR-101-04S-002   | • Connector, Receptacl .....  | V          |
| 65                 | PAOZZ              | 06090       | MK-0015-68         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 .....                                   | V          |
| 66                 | PAOZZ              | 06090       | MK-0015-81         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 .....                                   | V          |
| 67                 | PAOZZ              | 06090       | MK-0015-82         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 .....                                   | V          |
| 68                 | PAOZZ              | 06090       | MK-0015-83         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 .....                                   | V          |
| 69                 | PAOZZ              | 81349       | M39029/4-1 13      | • Contact, Electrical .....   | V          |
| 70                 | PAOZZ              | 81349       | M39029/5-1 18      | • Contact, Electrical .....   | V          |
| 71                 | PAOZZ              | 81349       | M39029/73-396      | • Contact, Electrical .....   | V          |
| 72                 | PAOZZ              | 81349       | M39029/73-397      | • Contact, Electrical .....   | V          |
| 73                 | PAOZZ              | 81349       | M39029/73-398      | • Contact, Electrical .....   | V          |
| 74                 | PAOZZ              | 81349       | M39029/74-399      | • Contact, Electrical .....   | V          |
| 75                 | PAOZZ              | 81349       | M39029/74-401      | • Contact, Electrical .....   | V          |
| 76                 | PAOZZ              | 14798       | D10036-6           | • Coupling, Tube .....  | V          |
| 77                 | PAOZZ              | 14798       | D10036D6           | • Coupling, Tube .....  | V          |
| 78                 | PAOZZ              | 14798       | D10033-06040404    | • Cross, Tube .....   | V          |
| 79                 | PAOZZ              | 14798       | D10021A-4          | • Elbow, Tube to Boss .....   | V          |
| 80                 | PAOZZ              | 14798       | D10021A-6          | • Elbow, Tube to Boss .....   | V          |
| 81                 | PAOZZ              | 14798       | D10021AD10         | • Elbow, Tube to Boss .....   | V          |
| 82                 | PAOZZ              | 14798       | D10021AD4          | • Elbow, Tube to Boss .....   | V          |
| 83                 | PAOZZ              | 14798       | D10021AD6          | • Elbow, Tube to Boss .....   | V          |
| 84                 | PAOZZ              | 81349       | MILF21840          | • Fastener Tape, Hook Ty. 2, Cl. 1, Black, 0.625 In. Wide ...                             | V          |
| 85                 | PAOZZ              | 81349       | MILF21840          | • Fastener Tape, Hook Ty. 2, Cl. 1, Black, 1 In. Wide .....                               | V          |
| 86                 | PAOZZ              | 81349       | MIL-F-21840        | • Fastener Tape, Pile Ty. 1, Cl. 1, Black, 1 In. Wide,<br>No Special Coating Req. ....    | V          |
| 87                 | PAOZZ              | 81349       | MIL-F-21840        | • Fastener Tape, Pile Ty. 2, Cl. 1, Black, 0.75 In. Wide,<br>No Special Coating Req. .... | V          |
| 88                 | PAOZZ              | 96906       | MS21266-1N         | • Grommet, Nonmetallic .....  | V          |
| 89                 | PAOZZ              | 96906       | MS21266-3N         | • Grommet, Nonmetallic .....  | V          |
| 90                 | PAOZZ              | 96906       | MS21266-4T         | • Grommet, Nonmetallic .....  | V          |
| 91                 | PAFZZ              | 96906       | MS20001P12-7200    | • Hinge, Butt .....   | V          |
| 92                 | PAFZZ              | 96906       | MS20001P3-7200     | • Hinge, Butt .....   | V          |
| 93                 | PAFZZ              | 96906       | MS20001P4-7200     | • Hinge, Butt .....   | V          |
| 94                 | PAFZZ              | 96906       | MS20001P5-7200     | • Hinge, Butt .....   | V          |
| 95                 | PAFZZ              | 96906       | MS20257C4-4800     | • Hinge, Butt .....   | V          |
| 96                 | PAFZZ              | 96906       | MS20257P3-7200     | • Hinge, Butt .....   | V          |
| 97                 | PAFZZ              | 96906       | MS20257P4-7200     | • Hinge, Butt .....   | V          |
| 98                 | PAOZZ              | 96906       | MS20257P5-7200     | • Hinge, Butt .....   | V          |
| 99                 | PAOZZ              | 96906       | MS35822-1 1A       | • Hinge, Butt .....   | V          |

## SECTION II

TM 1-1520-238-23P

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 100                | PAOZZ              | 96906       | MS35823-7A         | • Hinge, Butt . . . . .  | V          |
| 101                | PAOZZ              | 81343       | AMS3653            | • Insulation Sleeving . . . . .  | V          |
| 102                | PAOZZ              | 81346       | ASTMD3295          | • Insulation Sleeving . . . . .  | V          |
| 103                | PAOZZ              | 81349       | MIL-I-22129        | • Insulation Sleeving . . . . .  | V          |
| 104                | PAOZZ              | 81349       | M23053/4-105-0     | • Insulation Sleeving . . . . .  | V          |
| 105                | PAOZZ              | 81349       | M23053/5-102-C     | • Insulation Sleeving . . . . .  | V          |
| 106                | PAOZZ              | 81349       | M23053/5-102-9     | • Insulation Sleeving . . . . .  | V          |
| 107                | PAOZZ              | 81349       | M23053/5-107-0     | • Insulation Sleeving . . . . .  | V          |
| 108                | PAOZZ              | 81349       | M23053/5-107-9     | • Insulation Sleeving . . . . .  | V          |
| 109                | PAOZZ              | 81349       | M23053/5-202-C     | • Insulation Sleeving . . . . .  | V          |
| 110                | PAOZZ              | 81349       | M23053/5-207-C     | • Insulation Sleeving . . . . .  | V          |
| 111                | PAOZZ              | 81349       | M81786/10-1        | • Insulation Sleeving . . . . .  | V          |
| 112                | PAOZZ              | 81349       | M81786/10-2        | • Insulation Sleeving . . . . .  | V          |
| 113                | PAOZZ              | 81349       | M81786/10-4        | • Insulation Sleeving . . . . .  | V          |
| 114                | PAOZZ              | 06090       | TMS 3/32-1.75      | • Insulation Sleeving . . . . .  | V          |
| 115                | PAOZZ              | 06090       | TMS-1/2-1.50       | • Insulation Sleeving White (U/I Contains 1000 Ea) . . . . .                                 | V          |
| 116                | PAOZZ              | 10138       | 14392-003BLACK     | • Insulation Sleeving . . . . .  | V          |
| 117                | PAOZZ              | 06090       | MK-0015-1          | • Kit, Wire Repair . . . . .   | V          |
| 118                | PAOZZ              | 06090       | TMS-WM             | • Label . . . . .  | V          |
| 119                | PAFZZ              | 96906       | MS20001PH4-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 120                | PAFZZ              | 96906       | MS20001PH5-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 121                | PAFZZ              | 96906       | MS20257HP2-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 122                | PAFZZ              | 96906       | MS20257HP3-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 123                | PAFZZ              | 96906       | MS20257HP4-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 124                | PAOZZ              | 96906       | MS20257HP5-7200    | • Leaf, Butt Hinge . . . . .   | V          |
| 125                | PAOZZ              | 02731       | HS4027-14400       | • Nonmetallic Special . . . . .  | V          |
| 126                | PAOZZ              | 77969       | 314                | • Nonmetallic Special . . . . .  | V          |
| 127                | PAOZZ              | 14798       | D10006-6           | • Nut, Plain, Hexagon . . . . .  | V          |
| 128                | PAOZZ              | 14798       | D10006D4           | • Nut, Plain, Hexagon . . . . .  | V          |
| 129                | PAOZZ              | 14798       | D10006-4           | • Nut, Tube Coupling . . . . .   | V          |
| 130                | PAOZZ              | 14798       | D10006D6           | • Nut, Tube Coupling . . . . .   | V          |
| 131                | PAFZZ              | 96906       | MS20253-2-820      | • Pin, Straight, Headle . . . . .  | V          |
| 132                | PAOZZ              | 06090       | MK-0015-80         | • Plug and Contact As Part of Kit P/N MK-0015-1 . . . . .                                    | V          |
| 133                | PAOZZ              | 14798       | D10041D0810        | • Reducer, Tube . . . . .  | V          |
| 134                | PAFZZ              | 96906       | MS20253P2-6000     | • Rod, Straight, Headle . . . . .  | V          |
| 135                | PAFZZ              | 96906       | MS20253P5-9600     | • Rod, Straight, Headle . . . . .  | V          |
| 136                | PAOZZ              | 81349       | MILR17343          | • Rope, Fibrous Circumference 1 In., Color Natural . . . . .                                 | V          |
| 137                | PAFZZ              | 81349       | MIL-W-83420        | • Rope, Wire Ty. 1, Comp. B, A1 3 X 7 Strand, 100 Ft. Long                                   | V          |
| 138                | PAOZZ              | 81343       | AMS3195            | • Rubber Sheet, Cellul 0.125 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 139                | PAOZZ              | 81343       | AMS3197            | • Rubber Sheet, Cellul 0.125 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 140                | PAOZZ              | 81343       | AMS3197            | • Rubber Sheet, Cellul 0.250 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 141                | PAFZZ              | 81343       | AMS3198            | • Rubber Sheet, Cellul 0.375 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 142                | PAOZZ              | 81349       | MIL-R-46089        | • Rubber Sheet, Cellul Gr. F, 1/8 X 24 X 24 In. Sheet . . . . .                              | V          |
| 143                | PAOZZ              | 81349       | MIL-R-6130         | • Rubber Sheet, Cellul Ty. 1, Gr. A, Cond. Medium, 0.50<br>Thk., 36 X 36 In. Sheet . . . . . | V          |
| 144                | PAOZZ              | 02731       | HS4070-A-4000      | • Rubber Sheet, Extru . . . . .  | V          |
| 145                | PAOZZ              | 02731       | HS4332-1B1200      | • Rubber Sheet, Extru . . . . .  | V          |
| 146                | PAOZZ              | 02731       | HS4332-2B9015      | • Rubber Sheet, Extru . . . . .  | V          |
| 147                | PAOZZ              | 02731       | HS4339-1600        | • Rubber Sheet, Extru . . . . .  | V          |
| 148                | PAFZZ              | 02731       | HS4340A-23800      | • Rubber Sheet, Extru . . . . .  | V          |
| 149                | PAOZZ              | 02731       | HS4774-A-0816      | • Rubber Sheet, Extru . . . . .  | V          |
| 150                | PAOZZ              | 81343       | AMS3209            | • Rubber Sheet, Solid 0.062 Thk., 36 X 36 In. Sheet . . . . .                                | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 151                | PAFZZ              | 81343       | AMS32401-32        | • Rubber Sheet, Solid 0.031 Thk., 24 X 24 In. Sheet . . . . .                           | V          |
| 152                | PAFZZ              | 71643       | COHRLASTIC 500     | • Rubber Sheet, Solid ZZ-R-765, Cl. 2B, Gr. 50, 0.062 Thk., 24 X 24 In. Sheet . . . . . | V          |
| 153                | PAOZZ              | 81349       | MIL-R-25988        | • Rubber Sheet, Solid Ty. 11, Cl. 1, Gr. 60, 0.031 Thk., 36 X 36 In. Sheet . . . . .    | V          |
| 154                | PAOZZ              | 81349       | MIL-R-6855         | • Rubber Sheet, Solid Cl. 1, Gr. 40, 0.062 Thk., 36 X 36 In. Sheet . . . . .            | V          |
| 155                | PAOZZ              | 81348       | ZZ-R-765           | • Rubber Sheet, Solid Cl. 1B, Gr. 40, 0.062 Thk., 36 X 36 In. Sheet . . . . .           | V          |
| 156                | PAOZZ              | 81348       | ZZR765             | • Rubber Sheet, Solid Cl. 2B, Gr. 40, 0.250 Thk., 36 X 36 In. Sheet . . . . .           | V          |
| 157                | PAOZZ              | 71643       | COHRLASTIC 500     | • Rubber Strip 0.031 X 0.75 X 100 In. . . . .   | 1          |
| 158                | PAOZZ              | 02731       | HS5281-01-0902     | • Rubber Strip, Extruded . . . . .  | V          |
| 159                | PAOZZ              | 02731       | HS5318-4000        | • Rubber Strip, Extruded . . . . .  | V          |
| 160                | PAOZZ              | 81348       | QQA250-1 1         | • Sheet, Metal T0, 0.040 Thk. . . . .   | V          |
| 161                | PAOZZ              | 81348       | QQA250-1 1         | • Sheet, Metal T4, 0.040 Thk. . . . .   | V          |
| 162                | PAOZZ              | 81348       | QQA250-1 1         | • Sheet, Metal T6, 0.032 Thk. . . . .   | V          |
| 163                | PAOZZ              | 81348       | QQA250-1 1         | • Sheet, Metal T6, 0.040 Thk., 36 X 72 In. Sheet . . . . .                              | V          |
| 164                | PAFZZ              | 81348       | QQA250-12          | • Sheet, Metal T6, 0.080 Thk., 12 X 4 In. Sheet . . . . .                               | V          |
| 165                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal To, 0.040 Thk. . . . .   | V          |
| 166                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal To, 0.050 Thk. . . . .   | V          |
| 167                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal To, 0.063 Thk. . . . .   | V          |
| 168                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal To, 0.080 Thk. . . . .   | V          |
| 169                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.016 Thk. . . . .   | V          |
| 170                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.025 Thk. . . . .   | V          |
| 171                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.032 Thk. . . . .   | V          |
| 172                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.040 Thk. . . . .   | V          |
| 173                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.050 Thk. . . . .   | V          |
| 174                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.060 Thk. . . . .   | V          |
| 175                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.063 Thk. . . . .   | V          |
| 176                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.071 Thk. . . . .   | V          |
| 177                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.100 Thk. . . . .   | V          |
| 178                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.125 Thk. . . . .   | V          |
| 179                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.140 Thk. . . . .   | V          |
| 180                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.190 Thk. . . . .   | V          |
| 181                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.200 Thk. . . . .   | V          |
| 182                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal To, 0.040 Thk. . . . .   | V          |
| 183                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal To, 0.050 Thk. . . . .   | V          |
| 184                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.016 Thk. . . . .   | V          |
| 185                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.020 Thk. . . . .   | V          |
| 186                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.025 Thk. . . . .   | V          |
| 187                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.032 Thk. . . . .   | V          |
| 188                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.040 Thk. . . . .   | V          |
| 189                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.050 Thk. . . . .   | V          |
| 190                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.063 Thk. . . . .   | V          |
| 191                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.071 Thk. . . . .   | V          |
| 192                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T4, 0.050 Thk. . . . .   | V          |
| 193                | PAFZZ              | 81348       | QQA250-8           | • Sheet, Metal Temper H32, 0.050 Thk., 24 X 36 In. Sheet . . . . .                      | V          |
| 194                | PAFZZ              | 81349       | MIL-S-22499        | • Shim Stock, Laminate Comp. 1, Ty. 1, Cl. 1, 0.062 Thk., 24 X 48 In. Sheet . . . . .   | V          |
| 195                | PAOZZ              | 81349       | MILS22499          | • Shim Stock, Laminate Comp. 1, Ty. 1, Cl. 2, 0.048 Thk., 24 X 48 In. Sheet . . . . .   | V          |
| 196                | PAOZZ              | 14798       | D10007-4           | • Sleeve, Clinch, Tube . . . . .  | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 197                | PAOZZ              | 14798       | D10007-6           | • Sleeve, Clinch, Tube .....                           | V          |
| 198                | PAOZZ              | 14798       | D10007D4           | • Sleeve, Clinch, Tube .....                           | V          |
| 199                | PAOZZ              | 14798       | D10007D6           | • Sleeve, Clinch, Tube .....                           | V          |
| 200                | PAOZZ              | 06090       | MK-0015-72         | • Splice, Coax Assortm Part of Kit P/N MK-0015-1 ..... | V          |
| 201                | PAOZZ              | 06090       | MK-0015-53         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 202                | PAOZZ              | 06090       | MK-0015-54         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 203                | PAOZZ              | 06090       | MK-0015-56         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 204                | PAOZZ              | 06090       | MK-0015-57         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 205                | PAOZZ              | 06090       | MK-0015-58         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 206                | PAOZZ              | 06090       | MK-0015-60         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 207                | PAOZZ              | 06090       | MK-0015-61         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 208                | PAOZZ              | 06090       | MK-0015-62         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 209                | PAOZZ              | 06090       | MK-0015-65         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 210                | PAOZZ              | 06090       | MK-0015-66         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 211                | PAOZZ              | 06090       | MK-0015-71         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 212                | PAOZZ              | 06090       | MK-0015-73         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 213                | PAOZZ              | 06090       | MK-0015-75         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 214                | PAOZZ              | 06090       | MK-0015-76         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 215                | PAOZZ              | 06090       | MK-0015-77         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 216                | PAOZZ              | 06090       | MK-0015-84         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 217                | PAOZZ              | 96906       | MS3367-1-0         | • Strap, Tiedown, Elect .....                          | V          |
| 218                | PAOZZ              | 96906       | MS3367-2-0         | • Strap, Tiedown, Elect .....                          | V          |
| 219                | PAOZZ              | 96906       | MS3367-3-0         | • Strap, Tiedown, Elect .....                          | V          |
| 220                | PAOZZ              | 96906       | MS3367-5-0         | • Strap, Tiedown, Elect .....                          | V          |
| 221                | PAOZZ              | 96906       | MS3367-7-0         | • Strap, Tiedown, Elect .....                          | V          |
| 222                | PAOZZ              | 14798       | D10023-060404      | • Tee, Tube .....                                      | V          |
| 223                | PAOZZ              | 14798       | D10023-060604      | • Tee, Tube .....                                      | V          |
| 224                | PAOZZ              | 14798       | D10023D060604      | • Tee, Tube .....                                      | V          |
| 225                | PAOZZ              | 14798       | D9855-4            | • Tee, Tube .....                                      | V          |
| 226                | PAOZZ              | 14798       | D9855-6            | • Tee, Tube .....                                      | V          |
| 227                | PAOZZ              | 14798       | D9855D6            | • Tee, Tube .....                                      | V          |
| 228                | PAOZZ              | 06090       | MK-0015-70         | • Terminal Board Part of Kit P/N MK-0015-1 .....       | V          |
| 229                | PAOZZ              | 06090       | MK-0015-50         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 230                | PAOZZ              | 06090       | MK-0015-51         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 231                | PAOZZ              | 06090       | MK-0015-55         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 232                | PAOZZ              | 06090       | MK-0015-59         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 233                | PAOZZ              | 06090       | MK-0015-63         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 234                | PAOZZ              | 06090       | MK-0015-67         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 235                | PAOZZ              | 06090       | MK-0015-85         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 236                | PAOZZ              | 81349       | MIL-T-6845         | • Tube, Metallic 0.020 Thk., 0.25 Dia. ....            | V          |
| 237                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.250 OD .....        | V          |
| 238                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.375 Dia. ....       | V          |
| 239                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.500 OD .....        | V          |
| 240                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.750 OD .....        | V          |
| 241                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.035 Thk., 0.250 OD .....        | V          |
| 242                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.035 Thk., 0.625 Dia. ....       | V          |
| 243                | PAOZZ              | 81349       | MILT8606           | • Tube, Metallic Ty. 321, 0.020 Thk., 0.250 OD .....   | V          |
| 244                | PAOZZ              | 81348       | WW-T-700-6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.500 OD ..... | V          |
| 245                | PAOZZ              | 81348       | WW-T-700/4         | • Tube, Metallic To, Ty. 1, 0.020 Thk., 0.250 OD ..... | V          |
| 246                | PAOZZ              | 81348       | WW-T-700/4         | • Tube, Metallic To, Ty. 1, 0.028 Thk., 0.500 OD ..... | V          |
| 247                | PAOZZ              | 81348       | WW-T-700/6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.250 OD ..... | V          |
| 248                | PAOZZ              | 81348       | WW-T-700/6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.375 OD ..... | V          |

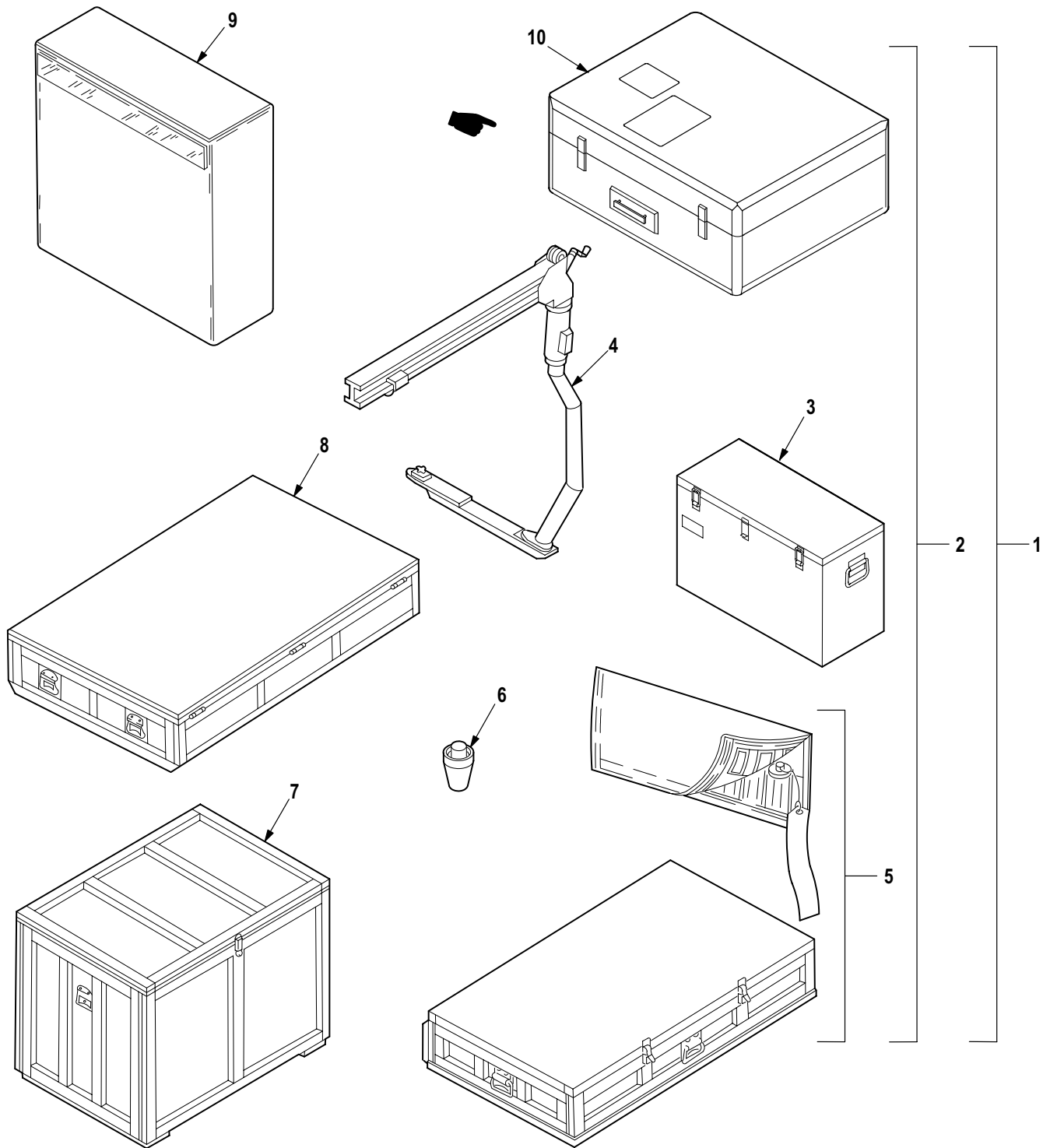
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 249                | PAOZZ              | 06090       | C0NV0LEX9-32       | • Tubing, Nonmetallic Size 9/32, Black, 200 Ft. Spool . . . . .                                | V          |
| 250                | PAOZZ              | 83616       | HD1-10922          | • Tubing, Nonmetallic Type T, 0.250 OD, 0.190 ID, 1.25 Min.<br>Bend Radius . . . . .           | V          |
| 251                | PAOZZ              | 83616       | HD1-1 1228         | • Tubing, Nonmetallic Type T, 0.375 OD, 0.295 ID, 3.00 Min.<br>Bend Radius . . . . .           | V          |
| 252                | PAOZZ              | 14798       | D10008-4           | • Union, Tube . . . . .  | V          |
| 253                | PAOZZ              | 14798       | D10008D6           | • Union, Tube . . . . .  | V          |
| 254                | PAOZZ              | 14798       | D10019-6           | • Union, Tube . . . . .  | V          |
| 255                | PAOZZ              | 14798       | D10019D10          | • Union, Tube . . . . .  | V          |
| 256                | PAOZZ              | 14798       | D10019D4           | • Union, Tube . . . . .  | V          |
| 257                | PAOZZ              | 14798       | D10036-4           | • Union, Tube . . . . .  | V          |
| 258                | PAOZZ              | 81349       | MIL-W-16878/4      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Orange Tracer . . . . . | V          |
| 259                | PAOZZ              | 81349       | M16878/4BCB901     | • Wire, Electrical . . . . .   | V          |
| 260                | PAOZZ              | 81349       | M16878/4BCB902     | • Wire, Electrical . . . . .   | V          |
| 261                | PAOZZ              | 81349       | M16878/4BCB903     | • Wire, Electrical . . . . .   | V          |
| 262                | PAOZZ              | 81349       | M16878/4BCB905     | • Wire, Electrical . . . . .   | V          |
| 263                | PAOZZ              | 81349       | M16878/4BCB906     | • Wire, Electrical . . . . .   | V          |
| 264                | PAOZZ              | 81349       | M16878/4BCB907     | • Wire, Electrical . . . . .   | V          |
| 265                | PAOZZ              | 81349       | M16878/4BCB912     | • Wire, Electrical . . . . .   | V          |
| 266                | PAOZZ              | 81349       | M16878/4BCB915     | • Wire, Electrical . . . . .   | V          |
| 267                | PAOZZ              | 81349       | M16878/4BCB916     | • Wire, Electrical . . . . .   | V          |
| 268                | PAOZZ              | 81349       | M16878/4BCB917     | • Wire, Electrical . . . . .   | V          |
| 269                | PAOZZ              | 81349       | M16878/4BCB923     | • Wire, Electrical . . . . .   | V          |
| 270                | PAOZZ              | 81349       | M16878/4BCB926     | • Wire, Electrical . . . . .   | V          |
| 271                | PAOZZ              | 81349       | M16878/4BDB2       | • Wire, Electrical . . . . .   | V          |
| 272                | PAOZZ              | 81349       | M16878/4BDB92      | • Wire, Electrical . . . . .   | V          |
| 273                | PAFZZ              | 81349       | M16878/4BFE91      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Brown . . . . .         | V          |
| 274                | PAOZZ              | 81349       | M16878/4BFE92      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Red Tracer . . . . .    | V          |
| 275                | PAOZZ              | 81349       | M16878/4BFE94      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Yellow Tracer . . . . . | V          |
| 276                | PAOZZ              | 81349       | M16878/4BFE95      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Green Tracer . . . . .  | V          |
| 277                | PAFZZ              | 81349       | M22759/32-20-9     | • Wire, Electrical . . . . .   | V          |
| 278                | PAFZZ              | 81349       | M22759/32-22-9     | • Wire, Electrical . . . . .   | V          |
| 279                | PAFZZ              | 81349       | M22759/33-24-9     | • Wire, Electrical . . . . .   | V          |
| 280                | PAOZZ              | 81349       | M81381/11-12-N     | • Wire, Electrical . . . . .   | V          |
| 281                | PAOZZ              | 81349       | M81381/11-14-N     | • Wire, Electrical . . . . .   | V          |
| 282                | PAOZZ              | 81349       | M81381/11-16-N     | • Wire, Electrical . . . . .   | V          |
| 283                | PAOZZ              | 81349       | M81381/11-18-N     | • Wire, Electrical . . . . .   | V          |
| 284                | PAOZZ              | 81349       | M81381/11-20-N     | • Wire, Electrical . . . . .   | V          |
| 285                | PAOZZ              | 81349       | M81381/11-22-N     | • Wire, Electrical . . . . .   | V          |
| 286                | PAOZZ              | 81349       | M81381/13-24-N     | • Wire, Electrical . . . . .   | V          |
| 287                | PAFZZ              | 81349       | M81381/9-24-0      | • Wire, Electrical . . . . .   | V          |
| 288                | PAOZZ              | 81348       | QQW343S16S2T       | • Wire, Electrical . . . . .   | V          |
| 289                | PAOZZ              | 81348       | QQW343S20S2T       | • Wire, Electrical . . . . .   | V          |
| 290                | PAOZZ              | 81348       | QQW343S22S2T       | • Wire, Electrical . . . . .   | V          |
| 291                | PAOZZ              | 81348       | QQW343S24S2T       | • Wire, Electrical . . . . .   | V          |
| 292                | PAOZZ              | 10138       | 10179-026          | • Wire, Electrical . . . . .   | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 293                | PAOZZ              | 10138       | 10179-626          | · Wire, Electrical .....                    | V          |
| 294                | PAOZZ              | 10138       | 10179-926          | · Wire, Electrical .....                    | V          |
| END OF FIGURE      |                    |             |                    |   |            |





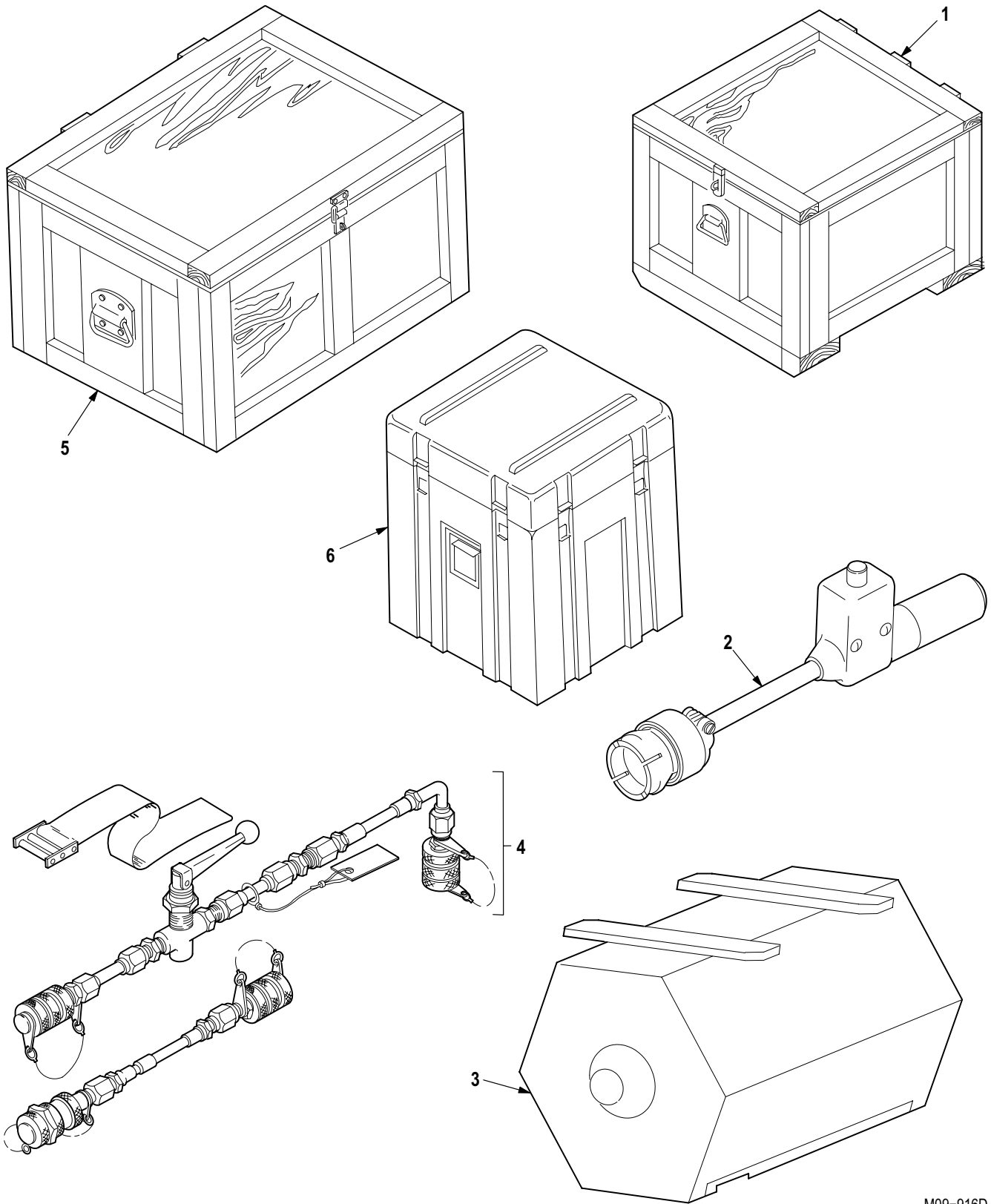
## SPECIAL TOOLS LIST



M09-915D

Figure 714. Group 80 Ground Support Kit (AVUM) (Part 1)

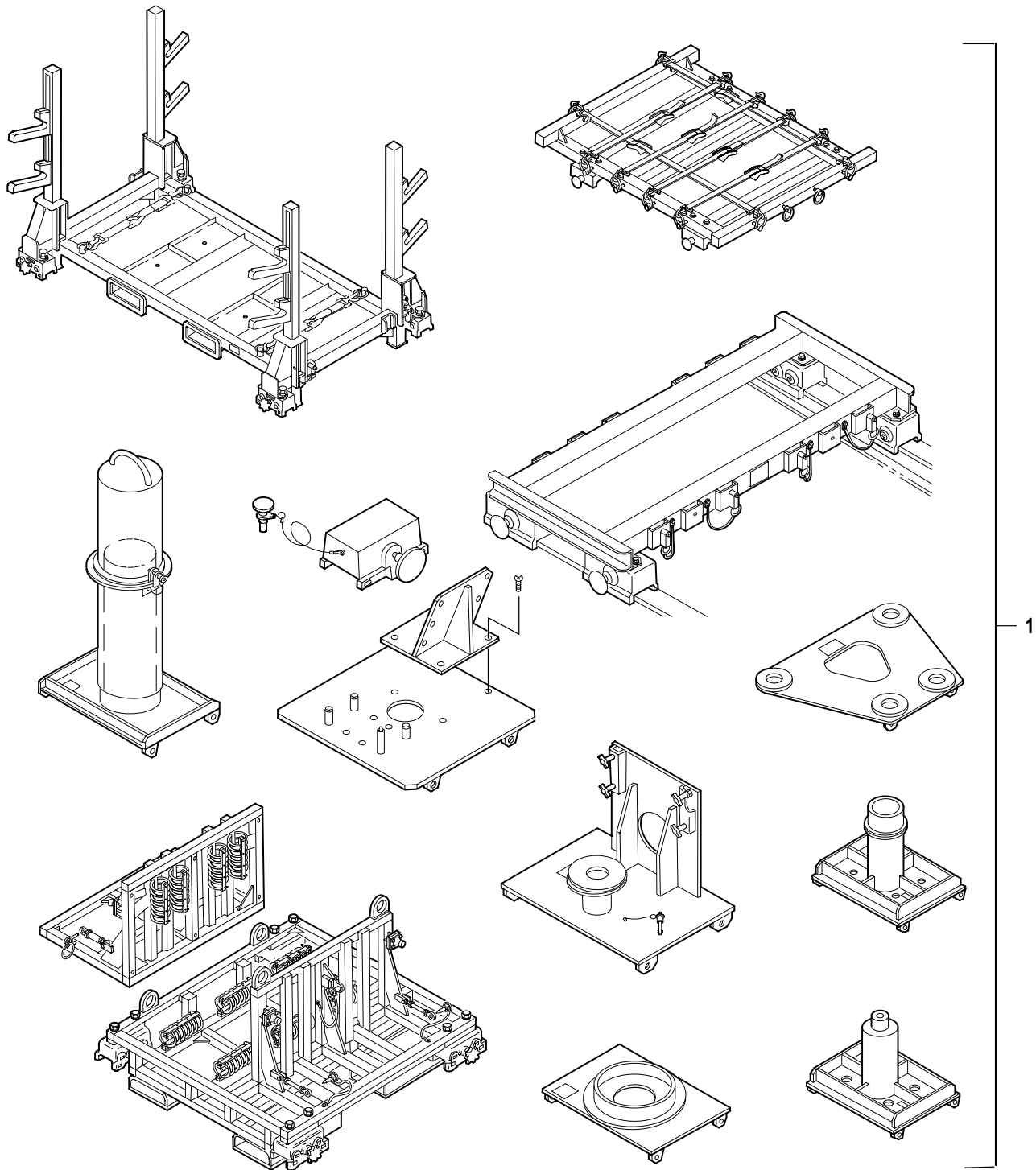
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 714 Ground Support Kit (AVUM) (Part 1)   |            |
| 1                  | XDOFF              | 02731       | 7-262000000        | · Kit, Ground Support BOI: 1 Auth for 10-25 Ships . . . . .   | 1          |
| 2                  | XDOFF              | 02731       | 7-262100000        | · · Kit, Ground Support BOI: 1 Auth for 10-25 Ships . . . . .   | 1          |
| 3                  | XDOOO              | 02731       | 7-262100013-603    | · · · Tool Kit, Special<br>(See Figs. 718 and 719 for Breakdown) . . . . .                                    | 1          |
| 4                  | PBOOO              | 02731       | 120000-601         | · · · Crane, Aircraft Moun<br>(See Figs. 722 thru 725 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships . . . . . | 1          |
| 5                  | PBOFF              | 02731       | 7-262100003-607    | · · · Rigging Kit, Aircraf<br>(See Figs. 727 thru 729 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships . . . . . | 1          |
| 6                  | PAOZZ              | 02731       | 7-3621 10213       | · · · Plug, Expansion . . . . .   | 1          |
| 7                  | PBOFF              | 02731       | 7-262100005-607    | · · · Kit, Sling Set<br>(See Figs. 730 thru 735 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships . . . . .       | 1          |
| 8                  | PBOOO              | 02731       | 7-262100006-601    | · · · Transmission Kit, Re (See Fig. 736 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships . . . . .              | 1          |
| 9                  | PAOFF              | 02731       | 7-262100007        | · · · Kit, Lube Drain (See Fig. 738 for Breakdown)<br>BOI: 1 Auth for 1-50 Ships . . . . .                    | 1          |
| 10                 | PEOOO              | 8V613       | 7-562126001-601    | · · · Kit, Generator Remov (See Fig. 780D for Breakdown)  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-916D

Figure 715. Group 80 Ground Support Kit (AVUM) (Part 2)

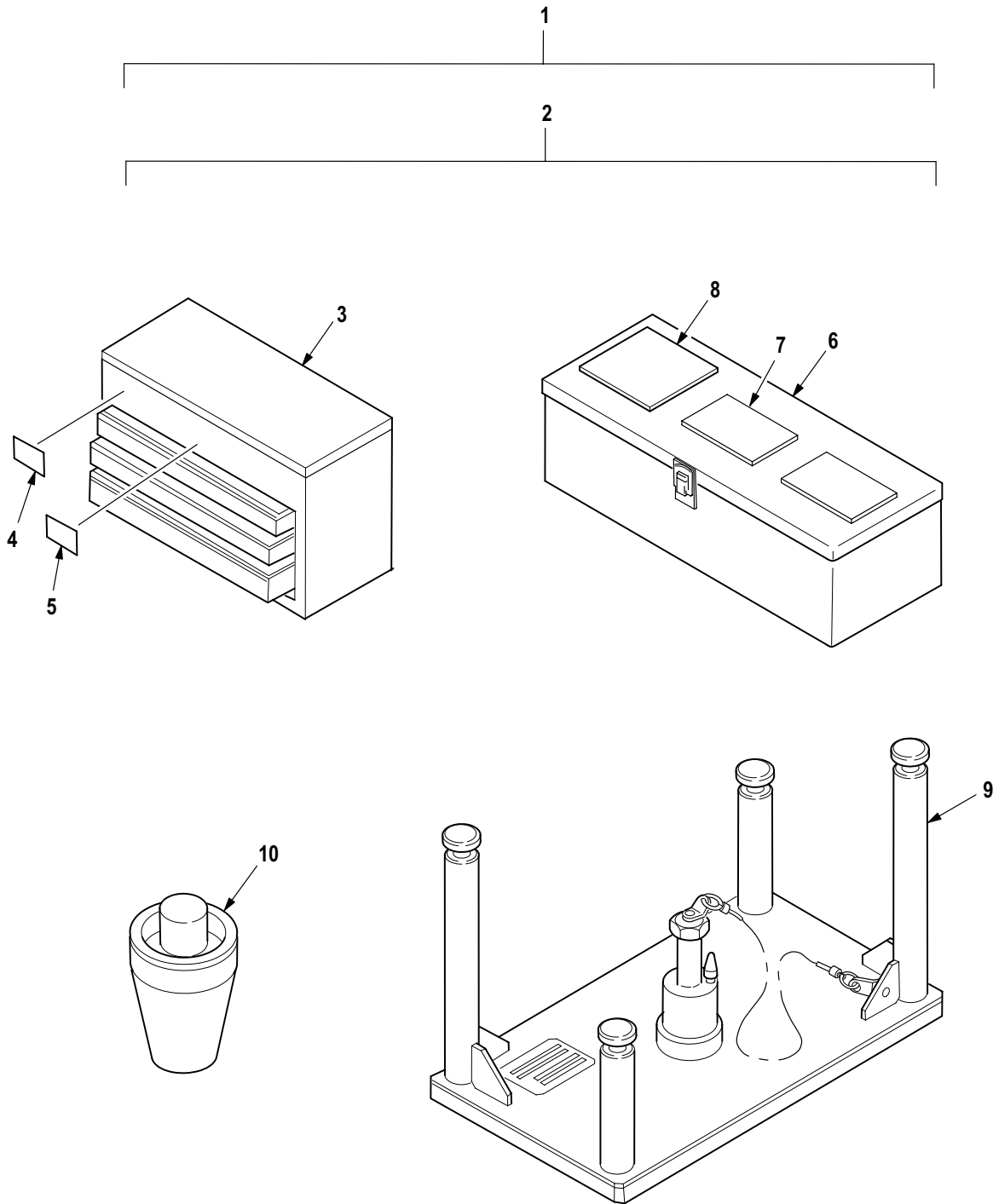
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 1                  | PBOFF              | 02731       | 7-262100008-613    | Group 80 Special Tools<br>Fig. 715 Ground Support Kit (AVUM) (Part 2)                                |            |
|                    |                    |             |                    | • Test Equipment, Heli<br>(See Figs. 739 and 740 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships ..... | 1          |
| 2                  | PEOFF              | 02731       | 7-262100009-601    | • Cord Assembly, Elect (See Fig. 745 for Breakdown) .....  | 1          |
| 3                  | PBOFF              | 02731       | 7-262100010        | • Maintenance Platfor (See Fig. 746 for Breakdown) BOI: 1<br>Auth for 10-25 Ships .....              | 1          |
| 4                  | PBOOO              | 02731       | 7-262100019-601    | • Kit, Hydraulic Hoses (See Fig. 747 for Breakdown) BOI: 1<br>Auth for 10-25 Ships .....             | 1          |
| 5                  | PBOFF              | 02731       | 7-262100016-601    | • Kit, Fuel Cell (See Fig. 748 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....                   | 1          |
| 6                  | PBOZZ              | 35151       | 64-001-1234        | • Tool Kit, Aircraft M (See Fig. 755 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....             | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-917B

Figure 716. Group 80 Ground Support Kit (AVUM) (Part 3)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | PBOOO              | 02731       | 7-26210001 1-605   | Group 80 Special Tools<br>Fig. 716 Ground Support Kit (AVUM) (Part 3)<br>• Adapter Kit, Airfram<br>(See Figs. 751 thru 753 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....<br>END OF FIGURE | 1          |

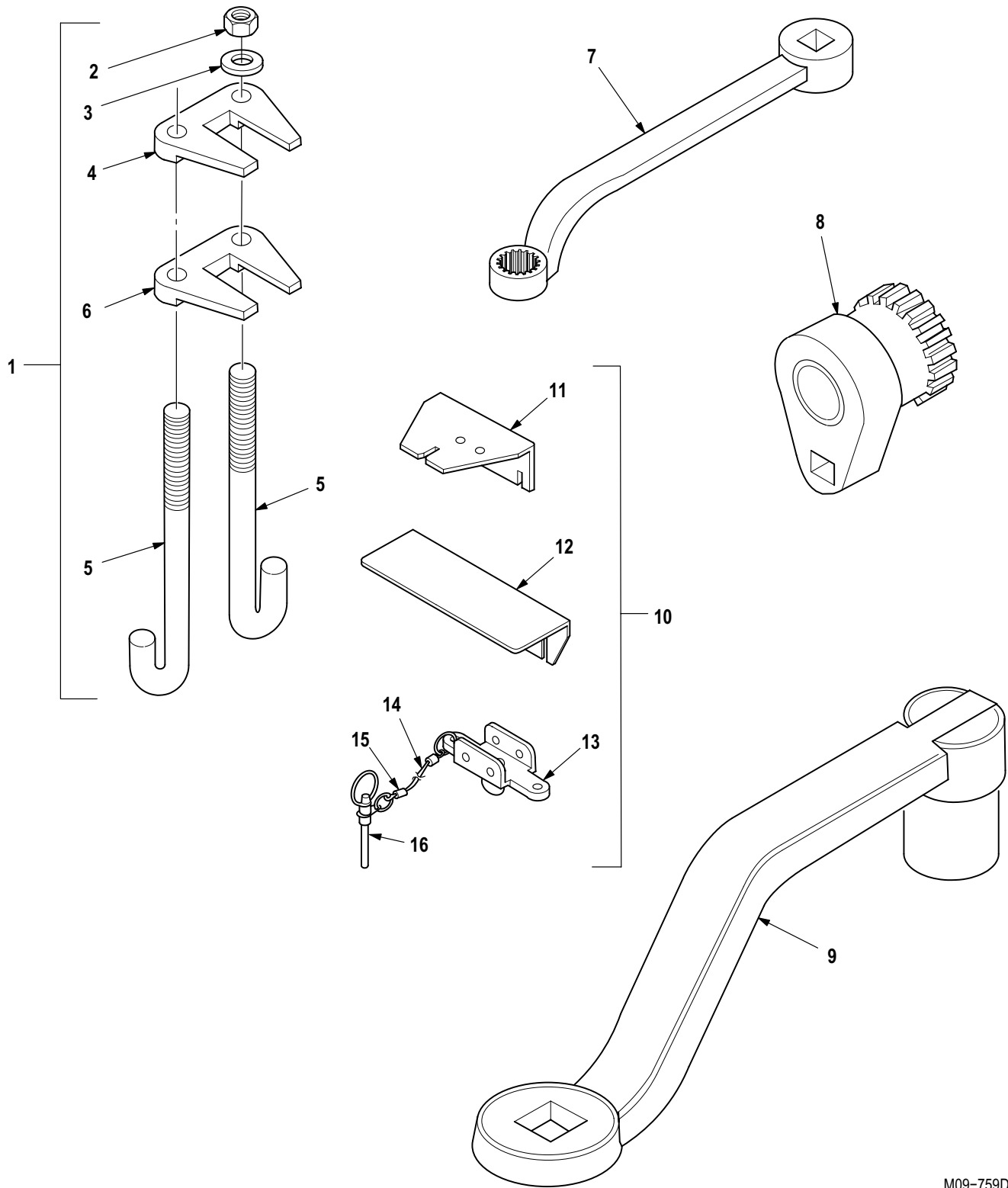


M09-1204C

Figure 717. Group 80 Airframe Special Equipment (AVIM)



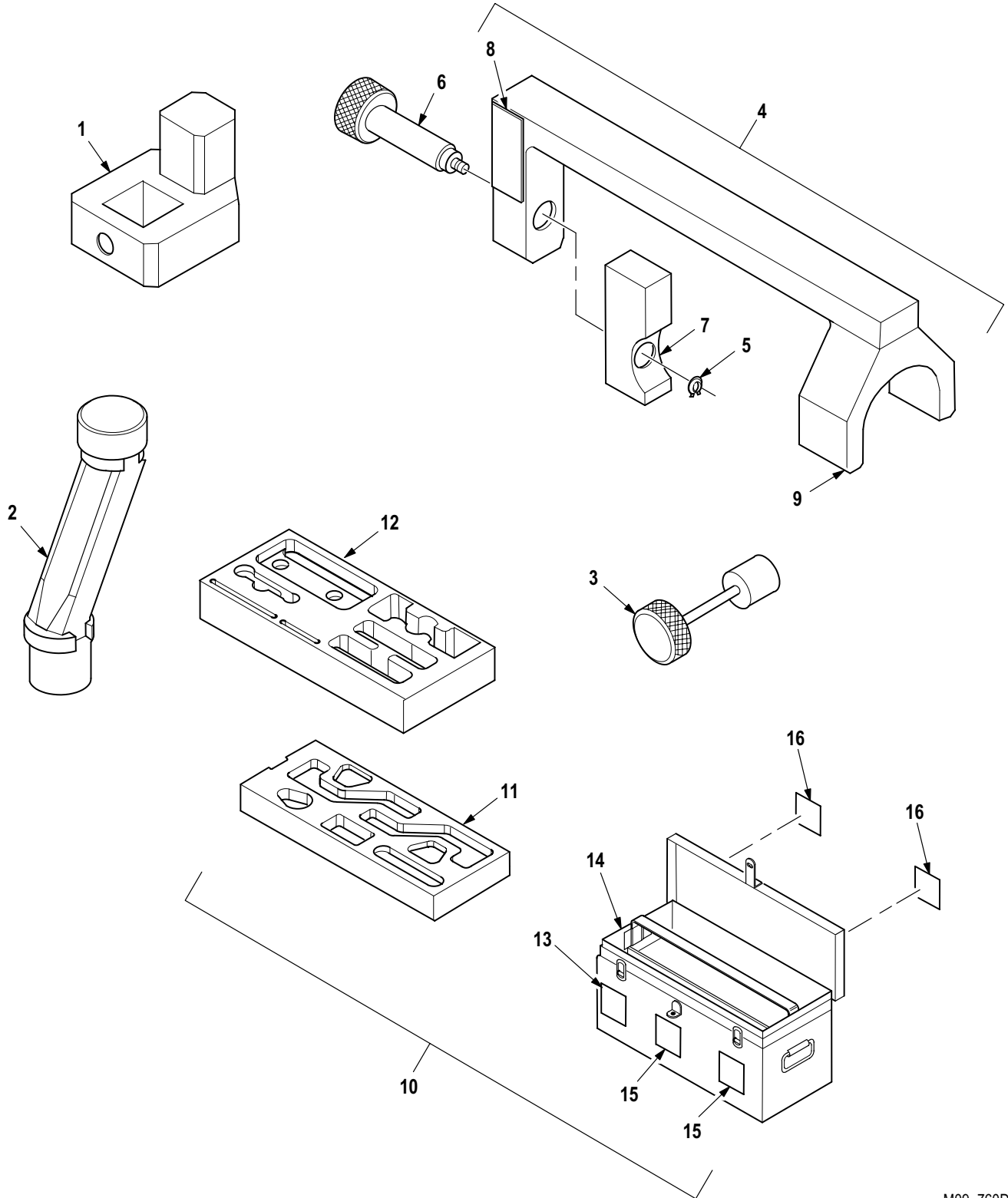
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 717 Airframe Special Equipment (AVIM)                         |            |
| 1                  | XCFFF              | 02731       | 7-263000000        | · PGSE, Avim .....   | 1          |
| 2                  | XCFFF              | 02731       | 7-263100000        | ·· Airframe Subsystem .....  | 1          |
| 3                  | PBOOO              | 02731       | 7-263100001-603    | ··· Tool Kit, Avim (See Figs. 720 and 721 for Breakdown)<br>BOI: 1 Auth for 1-50 Ships ..... | 1          |
| 4                  | XDOZZ              | 02731       | HS5572-0001        | ···· Plate, Assembly Comp .....  | 1          |
| 5                  | XDOZZ              | 02731       | HS5216-1           | ···· Plate, Ident .....  | 1          |
| 6                  | PAFFF              | 02731       | 7-363100003-603    | ··· Tool Kit, Aircraft M (See Fig. 757 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....   | 1          |
| 7                  | XDOZZ              | 02731       | HS5216-2           | ···· Plate, Identificatio .....  | 1          |
| 8                  | XDOZZ              | 02731       | HS5572-0001        | ···· Plate, Assembly Comp .....  | 1          |
| 9                  | PBFFF              | 02731       | 7-363100002        | ··· Fixture, Tail Rotor (See Fig. 758 for Breakdown) .....                                   | 1          |
| 10                 | PAOZZ              | 02731       | 7-3621 10213       | ··· Plug, Expansion .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-759D

Figure 718. Group 80 Tool Kit, Special (AVUM) (Part 1)  
7-262100013-603

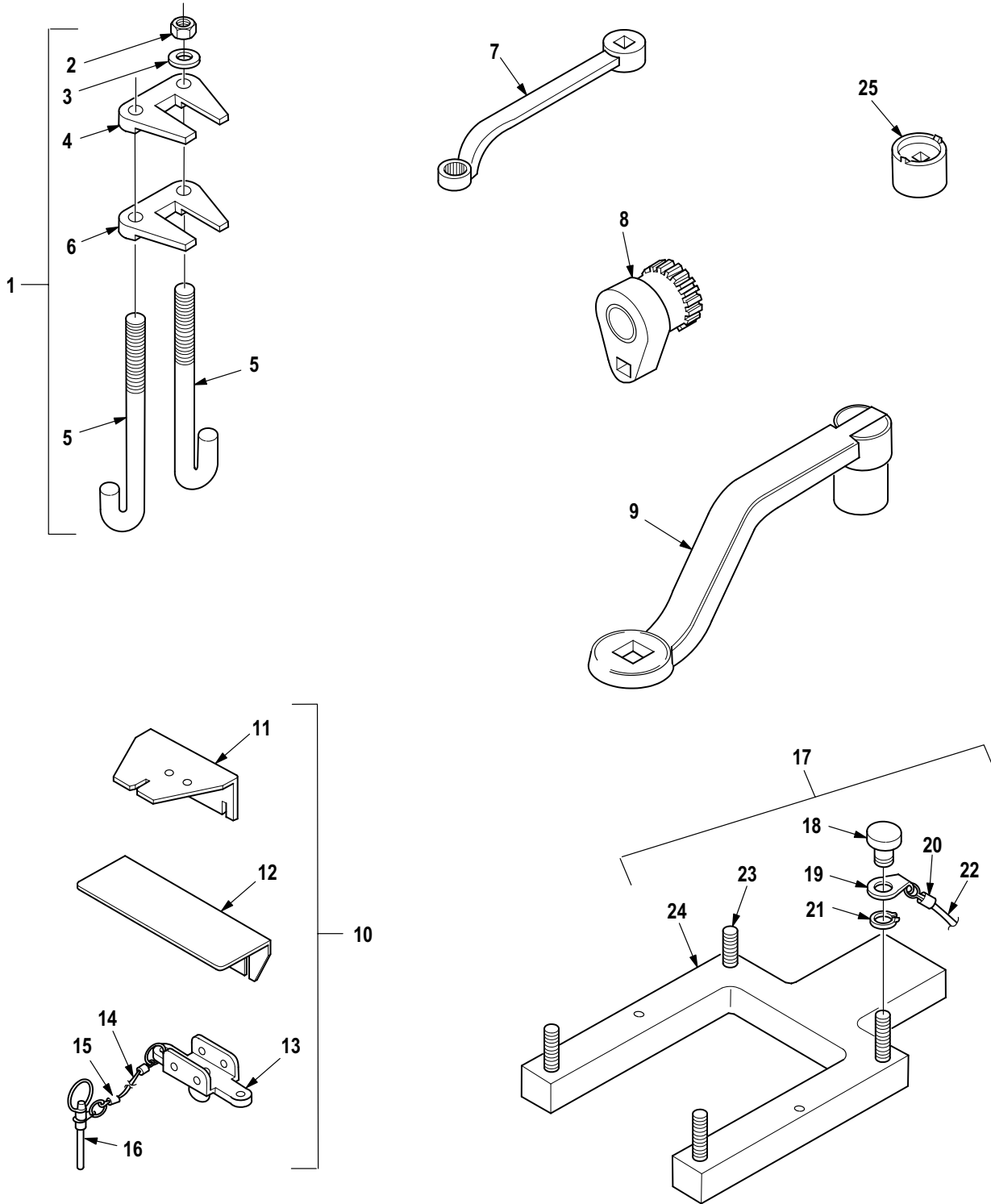
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 718 Tool Kit, Special (AVUM) (Part 1)<br>7-262100013-603<br>See Fig. 714 for NHA |            |
| 1                  | XDOOF              | 02731       | 7-2621 10018       | • Compressor, Tool, Ped Adjustment .....  | 1          |
| 2                  | PAOZZ              | 88044       | AN315C6R           | •• Nut, Plain, Hexagon .....  | 2          |
| 3                  | PAOZZ              | 88044       | AN960-616          | •• Washer, Flat .....   | 2          |
| 4                  | XAOZZ              | 02731       | 7-2621 10018-3     | •• Plate .....  | 1          |
| 5                  | PAOZZ              | 02731       | 7-2621 10018-7     | •• Bolt, Spring .....   | 2          |
| 6                  | XAOZZ              | 02731       | 7-2621 10018-5     | •• Plate .....  | 1          |
| 7                  | PBOZZ              | 02731       | 7-2621 10046       | • Adapter, Torque Wren Tail Rotor .....   | 1          |
| 8                  | XDOZZ              | 02731       | 7-3621 10011       | • Wrench, Socket Nose Gearbox Shaft Locknut .....   | 1          |
| 9                  | PBOZZ              | 02731       | 7-2631 10002-601   | • Wrench, Socket M/R Mast Support Strut Bolt AFT .....  | 1          |
| 10                 | PBOOO              | 02731       | 7-2621 10013       | • Maintenance Kit, Air .....  | 1          |
| 11                 | XDOZZ              | 02731       | 7-262120007        | •• Bracket Assembly .....   | 1          |
| 12                 | XDOZZ              | 02731       | 7-262120003        | •• Target .....   | 1          |
| 13                 | PBOOO              | 02731       | 7-262120027-9      | •• Adapter, Fuselage Ja .....   | 2          |
| 14                 | PAOZZ              | 81349       | M83420/4-002       | ••• Rope, Wire .....  | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....  | 4          |
| 16                 | PAOZZ              | 80205       | NAS1354A3C17F      | ••• Pin, Quick Release .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-760D

Figure 719. Group 80 Tool Kit, Special (AVUM) (Part 2)  
7-262100013-603

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 719 Tool Kit, Special (AVUM) (Part 2)<br>7-262100013-603<br>See Fig. 714 for NHA |            |
| 1                  | PBOZZ              | 02731       | 7-3621 10085       | • Adapter, Torque Wren M/R Mixer Support Bolt .....   | 1          |
| 2                  | PBOZZ              | 02731       | 7-2631 10003-601   | • Wrench, Mast Support Strut Bolt FWD .....   | 1          |
| 3                  | PBOZZ              | 02731       | 7-3621 10086       | • Puller, Mechanical Generator Seal Retainer .....  | 1          |
| 4                  | XDOOO              | 02731       | 7-3621 10078       | • Lock, Aircraft Groun Oleo Strut MLG .....   | 2          |
| 5                  | PAOZZ              | 96906       | MS16624-4037       | •• Ring, Retaining .....  | 1          |
| 6                  | PAOZZ              | 02731       | 7-362120042        | •• Screw, Lock Assembly .....   | 1          |
| 7                  | XDOZZ              | 02731       | 7-362120039        | •• Cap .....  | 1          |
| 8                  | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 9                  | XAOZZ              | 02731       | 7-362120040        | •• Housing Assembly .....   | 1          |
| 10                 | PBOOO              | 02731       | 7-2621 10059-603   | • Shipping and Storag .....   | 1          |
| 11                 | PBFZZ              | 02731       | 7-2621 10059-9     | • Insert, Tool Box .....  | 1          |
| 12                 | XDFZZ              | 02731       | 7-2621 10059-1 1   | •• Filler, Tray .....   | 1          |
| 13                 | XDFZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 14                 | XDFZZ              | 02731       | 7-362120052-3      | •• Box, Container .....   | 1          |
| 15                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....  | 2          |
| 16                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-761E

Figure 720. Group 80 Tool Kit (AVIM) (Part 1)  
7-263100001-603

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 720 Tool Kit (AVIM) (Part 1)<br>7-263100001-603<br>See Fig. 717 for NHA |            |
| 1                  | PBOOF              | 02731       | 7-2621 10018       | • Compressor, Tool, Ped Adjustment .....   | 1          |
| 2                  | PAFZZ              | 88044       | AN315C6R           | •• Nut, Plain, Hexagon .....   | 2          |
| 3                  | PAFZZ              | 88044       | AN960-616          | •• Washer, Flat .....  | 2          |
| 4                  | XAFZZ              | 02731       | 7-2621 10018-3     | •• Plate .....   | 1          |
| 5                  | XDFZZ              | 02731       | 7-2621 10018-7     | •• Bolt, Spring .....  | 2          |
| 6                  | XAFZZ              | 02731       | 7-2621 10018-5     | •• Plate .....   | 1          |
| 7                  | PBOZZ              | 02731       | 7-2621 10046       | • Adapter, Torque Wrench, Tail Rotor .....   | 1          |
| 8                  | PBOZZ              | 52193       | T-1 14095          | • Socket, Wrench, Face Nose Gearbox Shaft Locknut .....  | 1          |
| 9                  | PBOZZ              | 02731       | 7-2631 10002-601   | • Wrench, Socket M/R Mast Support Strut Bolt AFT .....   | 1          |
| 10                 | PBOOO              | 02731       | 7-2621 10013       | • Maintenance Kit, Air .....   | 1          |
| 11                 | XDFZZ              | 02731       | 7-262120007        | •• Bracket Assembly .....  | 1          |
| 12                 | XDFZZ              | 02731       | 7-262120003        | •• Target .....  | 1          |
| 13                 | PBOOO              | 02731       | 7-262120027-9      | •• Adapter, Fuselage Ja .....  | 2          |
| 14                 | MFOZZ              | 02731       | 7-262120027-5      | ••• Rope, Wire .....   | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....   | 4          |
| 16                 | PAOZZ              | 80205       | NAS1354A3C17F      | ••• Pin, Quick Release .....   | 2          |
| 17                 | PBOOO              | 02731       | 7-2631 10004       | • Fixture, Aircraft Ma Support Cyclic Stick .....  | 1          |
| 18                 | XDFZZ              | 02731       | 7-2631 10004-9     | •• Knob .....  | 4          |
| 19                 | XDFZZ              | 02731       | 7-2631 10004-7     | •• Tab .....   | 4          |
| 20                 | XAFZZ              | 96906       | MS51844-62         | •• Swaging Sleeve, Wire .....  | 8          |
| 21                 | XDFZZ              | 96906       | MS16624-4040       | •• Ring, Retaining .....   | 4          |
| 22                 | PAFZZ              | 02731       | 7-2631 10004-1 1   | •• Lanyard, Cyclic Sti .....   | 4          |
| 23                 | XDFZZ              | 02731       | 7-2631 10004-5     | •• Stud .....  | 4          |
| 24                 | XAFZZ              | 02731       | 7-2631 10004-3     | •• Plate .....   | 1          |
| 25                 | PBOZZ              | 60168       | 140012-1           | Socket, Wrench, Face Sight Gauge .....   | 1          |
|                    |                    |             |                    | END OF FIGURE  |            |

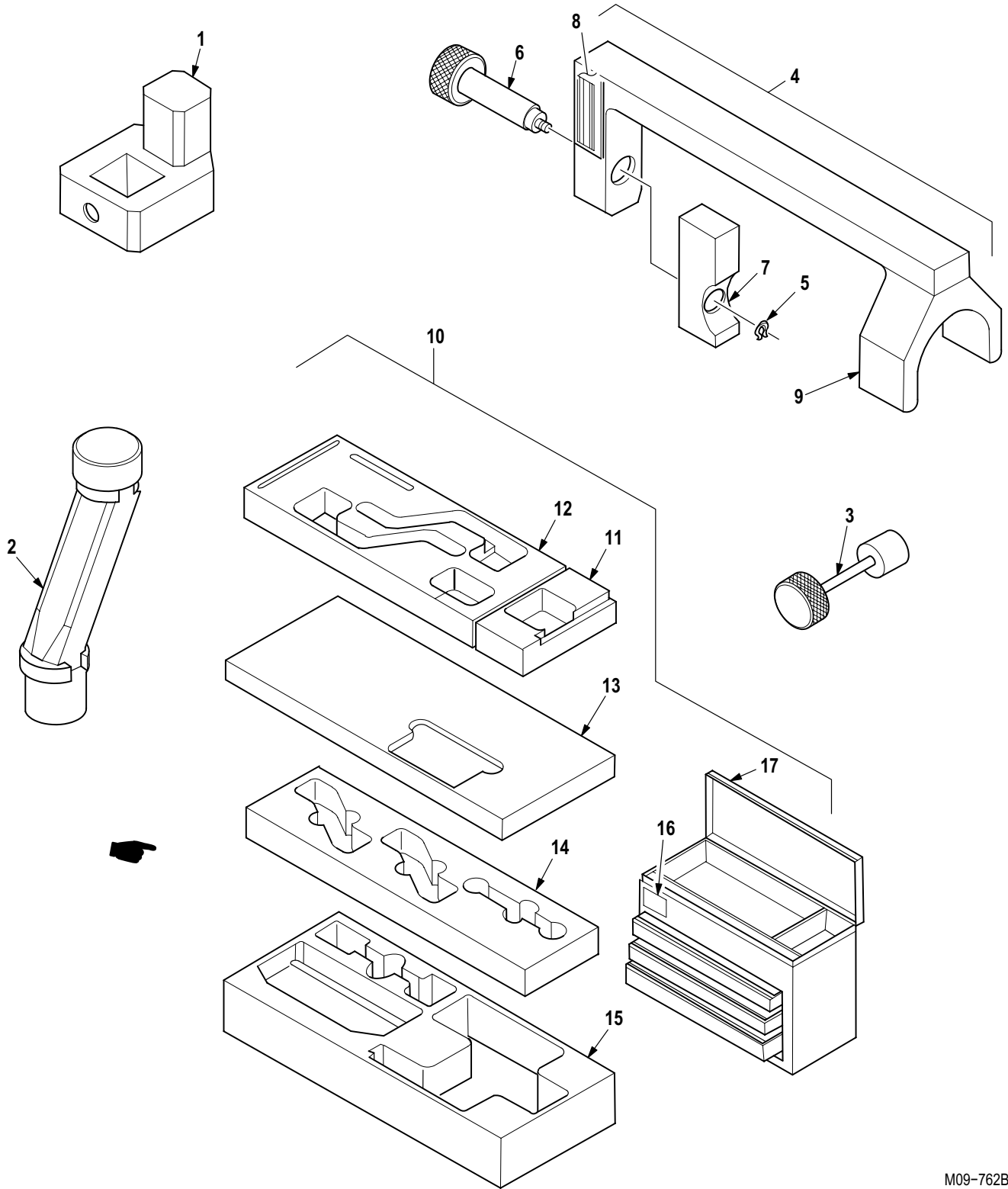
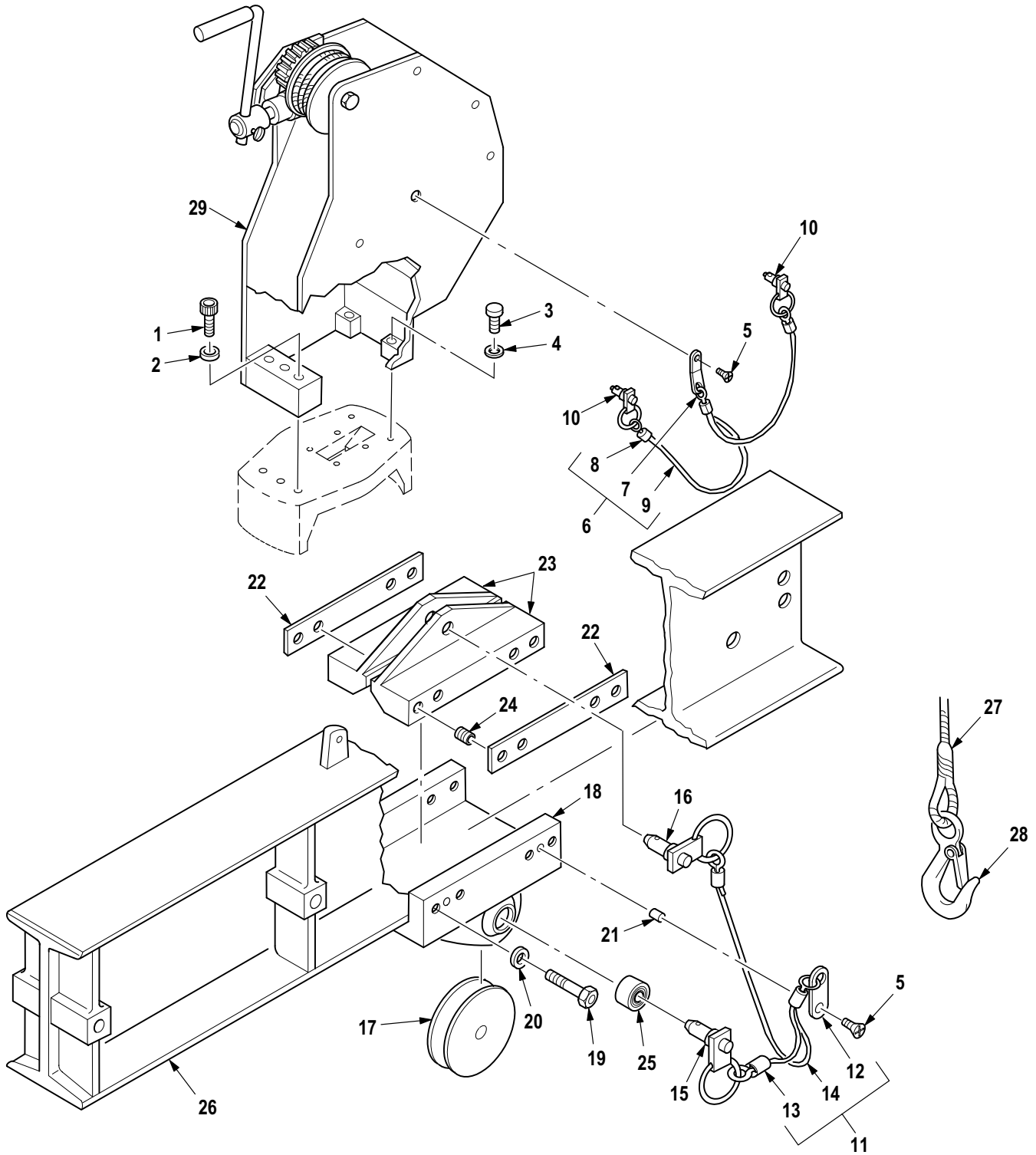


Figure 721. Group 80 Tool Kit (AVIM) (Part 2)  
7-263100001-603



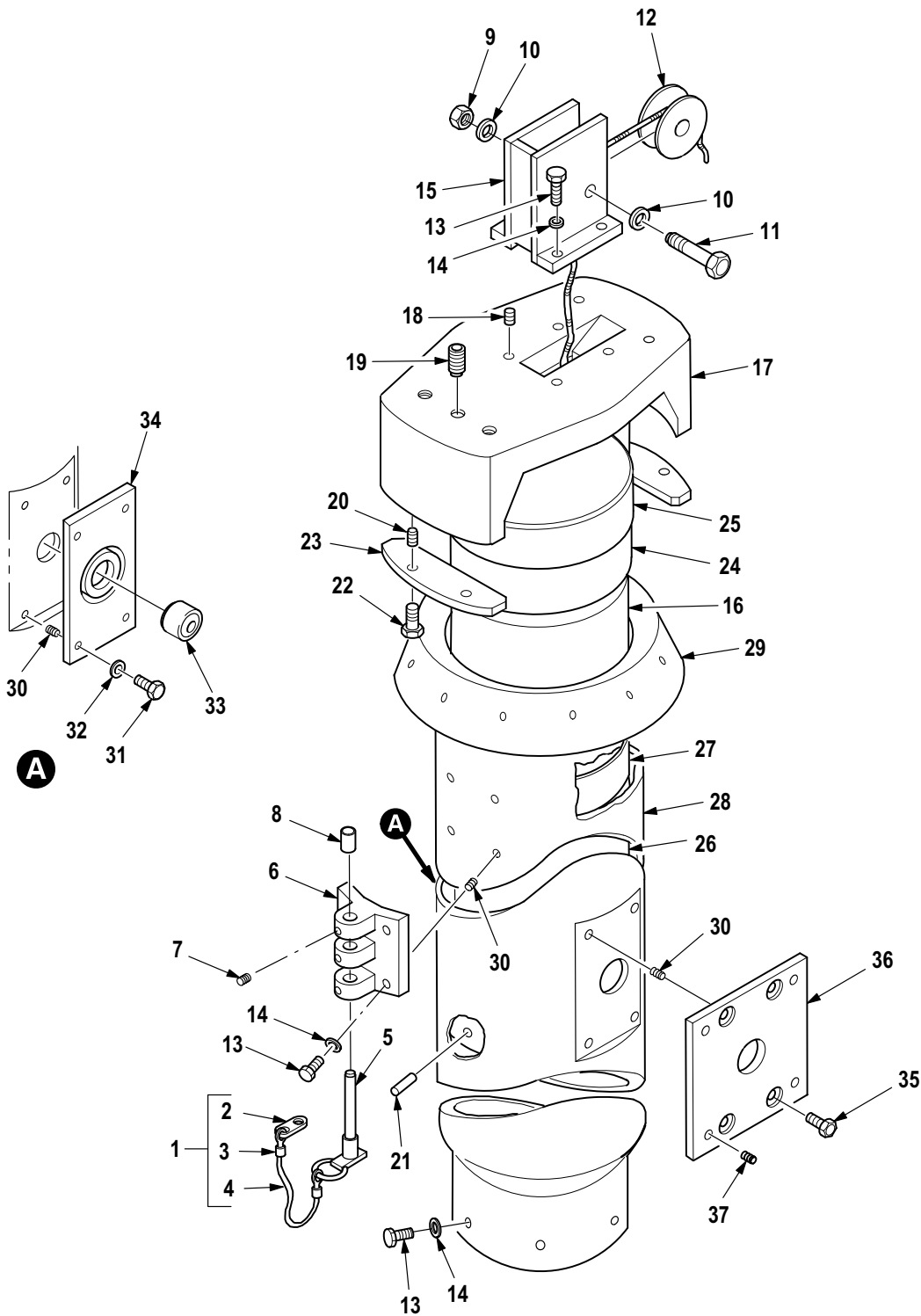
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 721 Tool Kit (AVIM) (Part 2)<br>7-263100001-603<br>See Fig. 717 for NHA |            |
| 1                  | PBOZZ              | 02731       | 7-3621 10085       | • Adapter, Torque Wren M/R Mixer Support Bolt .....  | 1          |
| 2                  | PBOZZ              | 02731       | 7-2631 10003-601   | • Wrench, Mast Support Strut Bolt FWD .....  | 1          |
| 3                  | PBFZZ              | 02731       | 7-3621 10086       | • Puller, Mechanical Generator Seal Retainer .....   | 1          |
| 4                  | XDOOO              | 02731       | 7-3621 10078       | • Lock, Aircraft Groun Oleo Strut MLG .....  | 2          |
| 5                  | PAFZZ              | 96906       | MS16624-4037       | •• Ring, Retaining .....   | 1          |
| 6                  | XDFZZ              | 02731       | 7-362120042        | •• Screw, Lock Assembly .....  | 1          |
| 7                  | XDFZZ              | 02731       | 7-362120039        | •• Cap .....   | 1          |
| 8                  | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....   | 1          |
| 9                  | XAFZZ              | 02731       | 7-362120040        | •• Housing Assembly .....  | 1          |
| 10                 | PBOOO              | 02731       | 7-2631 10011-603   | • Tool Box, Portable .....   | 1          |
| 11                 | XDFZZ              | 02731       | 7-2631 10011-3     | •• Filler, Till-In .....   | 1          |
| 12                 | XDFZZ              | 02731       | 7-2631 10011-13    | •• Filler, Till-In .....   | 1          |
| 13                 | XDFZZ              | 02731       | 7-2631 10011-7     | •• Filler, Top .....   | 1          |
| 14                 | XDFZZ              | 02731       | 7-2631 10011-15    | •• Filler, Center .....  | 1          |
| 15                 | XDFZZ              | 02731       | 7-2631 10011-9     | •• Filler, Bottom .....  | 1          |
| 16                 | XDFZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....  | 1          |
| 17                 | XDFZZ              | 02731       | 7-362120052-5      | •• Box, Container .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-788C

Figure 722. Group 80 Crane, Aircraft Mounted Maintenance (Part 1)  
120000-601 (02731)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 722 Crane, Aircraft Mounted<br>Maintenance (Part 1)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS1352-7H40P      | • Screw, Cap, Socket He .....  | 3          |
| 2                  | PAOZZ              | 88044       | AN960-716          | • Washer, Flat .....   | 3          |
| 3                  | PAOZZ              | 96906       | MS51095-310        | • Screw, Cap, Hexagon H .....  | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....   | 2          |
| 5                  | PAOZZ              | 96906       | MS16997-43         | • Screw, Cap, Socket He .....  | 2          |
| 6                  | PAOOO              | 02731       | 120109             | • Tether, Yoke .....   | 1          |
| 7                  | XDOZZ              | 02731       | 120107             | •• Clip, Tether .....  | 1          |
| 8                  | XDOZZ              | 96906       | MS51844-43         | •• Sleeve, Swaged .....  | 3          |
| 9                  | XAOZZ              | 02731       | 120109-3           | •• Cable, Nylon Coated .....   | 1          |
| 10                 | PAOZZ              | 96906       | MS17986-848        | • Pin, Quick Release .....   | 2          |
| 11                 | PAOOO              | 02731       | 120110             | • Tether, Slider .....   | 1          |
| 12                 | XDOZZ              | 02731       | 120105             | •• Clip, Tether .....  | 1          |
| 13                 | XDOZZ              | 96906       | MS51844-43         | •• Sleeve, Swaged .....  | 3          |
| 14                 | XAOZZ              | 02731       | 120110-3           | •• Cable, Nylon Coated .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS17986C812        | • Pin, Quick Release .....   | 1          |
| 16                 | PAOZZ              | 96906       | MS17986C825        | • Pin, Quick Release .....   | 1          |
| 17                 | XDOZZ              | 75535       | 4A                 | • Sheave, Cable .....  | 1          |
| 18                 | PBOOO              | 02731       | 120017             | • Sheave, Boom BOI: 1 Auth for 10-25 Ships .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS16997-63         | •• Screw, Cap, Socket He .....   | 8          |
| 20                 | PAOZZ              | 88044       | AN960-416          | •• Washer, Flat .....  | 8          |
| 21                 | PAOZZ              | 96906       | MS16555-48         | •• Pin, Straight, Hea .....  | 4          |
| 22                 | PAOZZ              | 8V613       | 120082             | •• Shim, Boom Sheave .....   | 2          |
| 23                 | XDOOO              | 02731       | 120065             | •• Side, Sheave .....  | 2          |
| 24                 | PAOZZ              | 96906       | MS21209C4-20       | ••• Insert, Screw Thread .....   | 4          |
| 25                 | PAOZZ              | 71041       | FB810-5            | •• Bearing, Sleeve .....   | 2          |
| 26                 | XDOZZ              | 02731       | 120019             | • Arm, Boom .....  | 1          |
| 27                 | XDOOO              | 02731       | 120083             | • Tag Line .....   | 2          |
| 28                 | XDOZZ              | 02731       | 3949T1             | •• Hook, Snap .....  | 2          |
| 29                 | PBOOO              | 02731       | 120103             | • Yoke Assy, Elevation (See Fig. 726 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-790D

Figure 723. Group 80 Crane, Aircraft Mounted Maintenance (Part 2)  
120000-601 (02731)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 723 Crane, Aircraft Mounted<br>Maintenance (Part 2)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOOO              | 02731       | 120108             | • Tether, Tie Block .....  | 1          |
| 2                  | XDOZZ              | 02731       | 120106             | •• Clip, Tether .....  | 1          |
| 3                  | XDOZZ              | 96906       | MS51844-43         | •• Sleeve, Swaged .....  | 2          |
| 4                  | XAOZZ              | 02731       | 120108-3           | •• Cable, Nylon Coated .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17986C530        | • Pin, Quick Release .....   | 1          |
| 6                  | PBOOO              | 02731       | 120058             | • Block Assy, Tie-Down BOI: 1 Auth for 10-25 Ships .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS51021-31         | •• Setscrew .....  | 3          |
| 8                  | PAOZZ              | 02731       | 120057             | •• Bushing, Sleeve .....   | 3          |
| 9                  | PAOZZ              | 96906       | MS21045-8          | • Nut, Self-Locking, He .....  | 1          |
| 10                 | PAOZZ              | 88044       | AN960-816          | • Washer, Flat .....   | 2          |
| 11                 | PAOZZ              | 80205       | NAS1308-23         | • Bolt, Shear .....  | 1          |
| 12                 | XDOZZ              | 75535       | 4A                 | • Sheave, Cable .....  | 1          |
| 13                 | PAOZZ              | 80204       | B1821BH025C075N    | • Screw, Cap, Hexagon H .....  | 11         |
| 14                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....   | 18         |
| 15                 | XDOZZ              | 02731       | 120045             | • Guard, Pulley .....  | 1          |
| 16                 | XDOOO              | 02731       | 120064             | • Yoke Extension Assy .....  | 1          |
| 17                 | XAOOO              | 02731       | 120015             | •• Yoke Extension .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS122161           | ••• Insert, Screw Thread .....   | 6          |
| 19                 | PAOZZ              | 96906       | MS122164           | ••• Insert, Screw Thread .....   | 3          |
| 20                 | PAOZZ              | 96906       | MS21209C4-15       | ••• Insert, Screw Thread .....   | 4          |
| 21                 | PAOZZ              | 80205       | NAS561-2-8         | •• Pin, Spring .....   | 6          |
| 22                 | PAOZZ              | 96906       | MS16997-59         | • Screw, Cap, Socket He .....  | 4          |
| 23                 | XDOZZ              | 02731       | 120081             | • Retainer .....   | 2          |
| 24                 | XDOZZ              | 02731       | 120046-7           | • Bearing, Yoke .....  | 1          |
| 25                 | XDOZZ              | 02731       | 120046-1 1         | • Fluorglas .....  | V          |
| 26                 | XDOZZ              | 02731       | 120046-9           | • Bearing, Yoke .....  | 1          |
| 27                 | XDOZZ              | 02731       | 120046-13          | • Fluorglas .....  | V          |
| 28                 | PBOOO              | 02731       | 120037             | • Leg Assembly, Main .....   | 1          |
| 29                 | XAOZZ              | 02731       | 120040             | •• Drum, Brake .....   | 1          |
| 30                 | PAOZZ              | 96906       | MS21209C4-10       | •• Insert, Screw Thread .....  | 12         |
| 31                 | PAOZZ              | 96906       | MS90725-5          | •• Screw, Cap, Hexagon H .....   | 4          |
| 32                 | PAOZZ              | 88044       | AN960-416          | •• Washer, Flat .....  | 4          |
| 33                 | XDOZZ              | 71041       | 35672              | •• Bearing, Bronze .....   | 1          |
| 34                 | XDOZZ              | 02731       | 120092             | •• Plate, Adapter .....  | 1          |
| 35                 | PAOZZ              | 96906       | MS24667-29         | •• Screw, Cap, Socket He .....   | 4          |
| 36                 | XDOOO              | 02731       | 120074             | •• Plate, Mounting .....   | 1          |
| 37                 | PAOZZ              | 96906       | MS21209C4-10       | ••• Insert, Screw Thread .....   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |

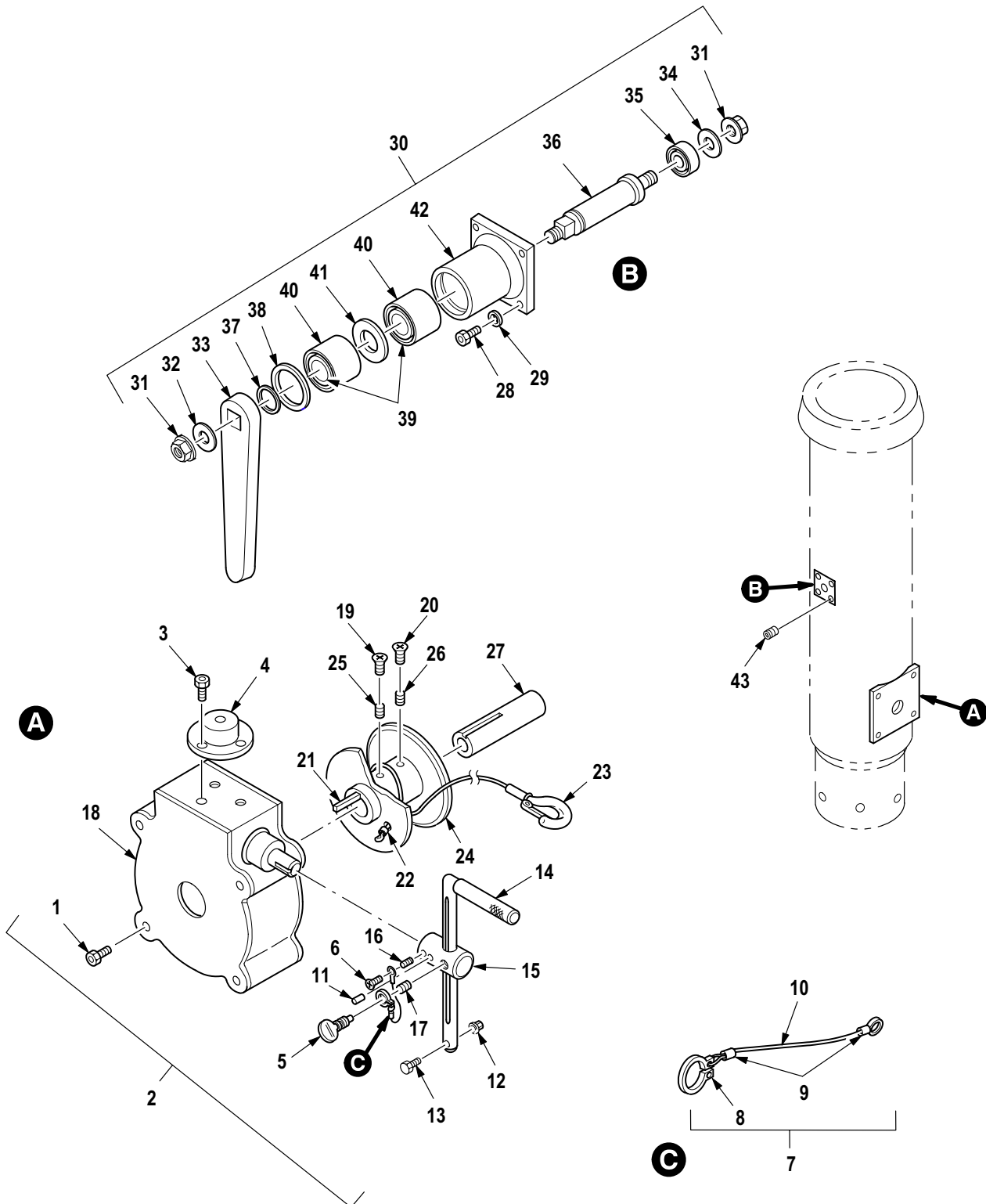


Figure 724. Group 80 Crane, Aircraft Mounted Maintenance (Part 3)  
120000-601 (02731)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 724 Crane, Aircraft Mounted<br>Maintenance (Part 3)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS90725-19         | • Screw, Cap, Hexagon H . . . . .  | 4          |
| 2                  | PBOOO              | 02731       | 120115             | • Winch Assembl BOI: 1 Auth for 10-25 Ships . . . . .  | 1          |
| 3                  | PAOZZ              | 96906       | MS21295-13         | •• Screw, Cap, Socket He . . . . .   | 3          |
| 4                  | PAOZZ              | 82084       | 2-2001 1           | •• Level, Cylindrical, C . . . . .   | 1          |
| 5                  | PAOZZ              | 02731       | 120090             | •• Screw, Thumb, Winch . . . . .   | 1          |
| 6                  | PAOZZ              | 96906       | MS35206-243        | •• Screw, Machine . . . . .  | 1          |
| 7                  | MFOFF              | 02731       | 120104             | •• Wire Rope Assembly, . . . . .   | 1          |
| 8                  | PAFZZ              | 96906       | MS16624-4025       | ••• Ring, Retaining . . . . .  | 1          |
| 9                  | PAFZZ              | 96906       | MS51844-40         | ••• Swaging Sleeve, Wire . . . . .   | 2          |
| 10                 | MFFZZ              | 02731       | 120104-1           | ••• Cable, Thether . . . . .   | 1          |
| 11                 | PAOZZ              | 80205       | NAS561C5-20        | •• Pin, Spring . . . . .   | 1          |
| 12                 | PAOZZ              | 80205       | MS21042-08         | •• Nut, Self-Locking, Ex . . . . .   | 1          |
| 13                 | PAOZZ              | 96906       | MS16997-35         | •• Screw, Cap, Socket He . . . . .   | 1          |
| 14                 | XDOZZ              | 02731       | 120088             | •• Handle, Manual Contr . . . . .  | 1          |
| 15                 | XDOOO              | 02731       | 120089             | •• Hub, Winch . . . . .  | 1          |
| 16                 | PAOZZ              | 96906       | MS122082           | ••• Insert, Screw Thread . . . . .   | 1          |
| 17                 | PAOZZ              | 96906       | MS122119           | ••• Insert, Screw Thread . . . . .   | 1          |
| 18                 | XDOZZ              | 02731       | 120087             | •• Drive Unit, Angle . . . . .   | 1          |
| 19                 | XDOZZ              | 96906       | MS51963-63         | • Setscrew . . . . .   | 1          |
| 20                 | XDOZZ              | 96906       | MS51963-65         | • Setscrew . . . . .   | 1          |
| 21                 | PAOZZ              | 02731       | 120116             | • Key, Machine . . . . .   | 1          |
| 22                 | XDOZZ              | 37581       | SA110-7            | • Ball End, Wire Rope . . . . .  | 1          |
| 23                 | PAOZZ              | 02731       | 120062             | • Wire Rope Assembly, . . . . .  | 1          |
| 24                 | XDOOO              | 02731       | 120076             | • Drum, Hoist . . . . .  | 1          |
| 25                 | PAOZZ              | 96906       | MS21209C4-10       | •• Insert, Screw Thread . . . . .  | 1          |
| 26                 | PAOZZ              | 96906       | MS21209C4-15       | •• Insert, Screw Thread . . . . .  | 1          |
| 27                 | XDOZZ              | 02731       | 120075             | • Hoist, Shaft . . . . .   | 1          |
| 27                 | XDOZZ              | 02731       | 120087             | • Drive Unit, Angle . . . . .  | 1          |
| 28                 | PAOZZ              | 80204       | B1821BH025C075N    | • Screw, Cap, Hexagon H . . . . .  | 4          |
| 29                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat . . . . .   | 4          |
| 30                 | PBOOO              | 02731       | 120061             | • Lift Mechanism, Cran BOI: 1 Auth for 10-25 Ships . . . . .   | 1          |
| 31                 | PAOZZ              | 96906       | MS21083D8          | •• Nut, Self-Locking, He . . . . .   | 2          |
| 32                 | PAOZZ              | 96906       | MS27183-18         | •• Washer, Flat . . . . .  | 1          |
| 33                 | XDOZZ              | 02731       | 120060             | •• Handle, Lift Mech . . . . .   | 1          |
| 34                 | PAOZZ              | 88044       | AN960-816          | •• Washer, Flat . . . . .  | 1          |
| 35                 | XDOZZ              | 60380       | AFT8               | •• Bearing . . . . .   | 1          |
| 36                 | XAOZZ              | 02731       | 120059             | •• Shaft, Lift Mech . . . . .  | 1          |
| 37                 | PAOZZ              | 96906       | MS16624-1 100      | •• Ring, Retaining . . . . .   | 1          |
| 38                 | PAOZZ              | 96906       | MS16625-1 175      | •• Ring, Retaining . . . . .   | 1          |
| 39                 | XDOZZ              | 51588       | RBC7235            | •• Inner Race . . . . .  | 2          |
| 40                 | XDOZZ              | 51588       | RBCSJ7235SS        | •• Bearing, Roller . . . . .   | 2          |
| 41                 | PAOZZ              | 96906       | MS21783-14344      | •• Bearing, Washer, Thru . . . . .   | 1          |
| 42                 | XAOZZ              | 02731       | 120054             | •• Housing, Lift Mech . . . . .  | 1          |
| 43                 | PAOZZ              | 96906       | MS21209C4-10       | Insert, Screw Thread . . . . .   | 4          |
| END OF FIGURE      |                    |             |                    |  |            |

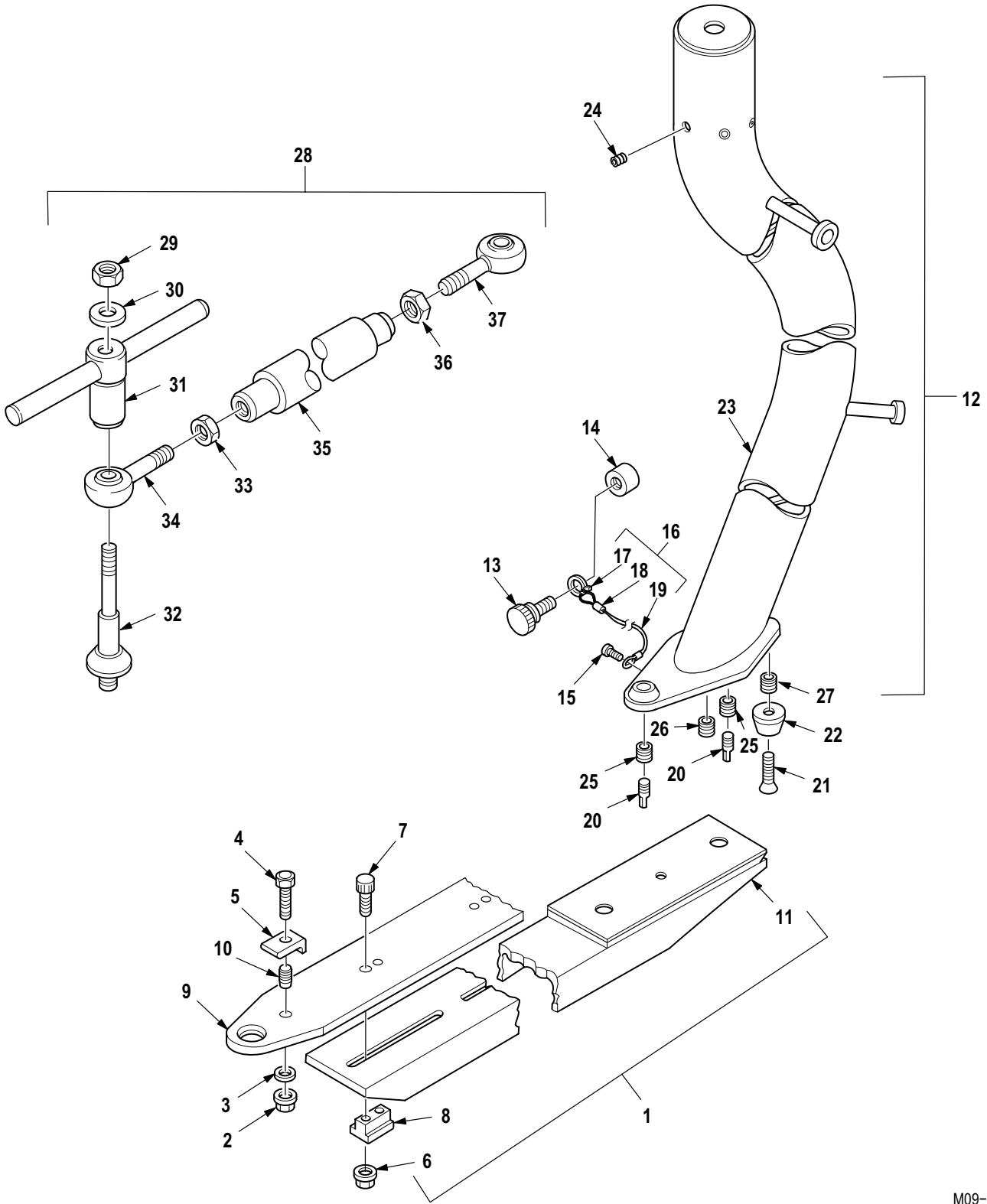
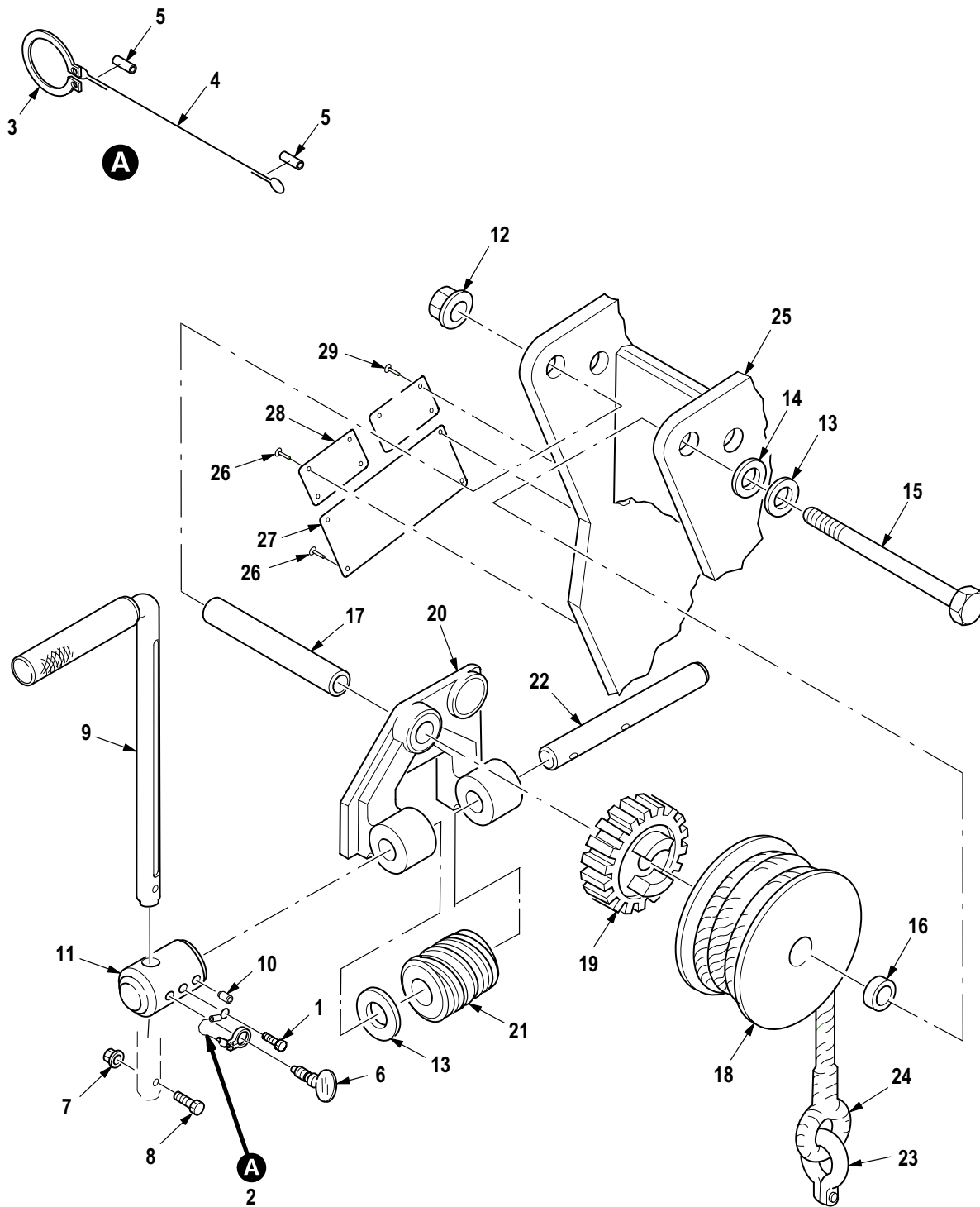


Figure 725. Group 80 Crane, Aircraft Mounted Maintenance (Part 4)  
120000-601 (02731)



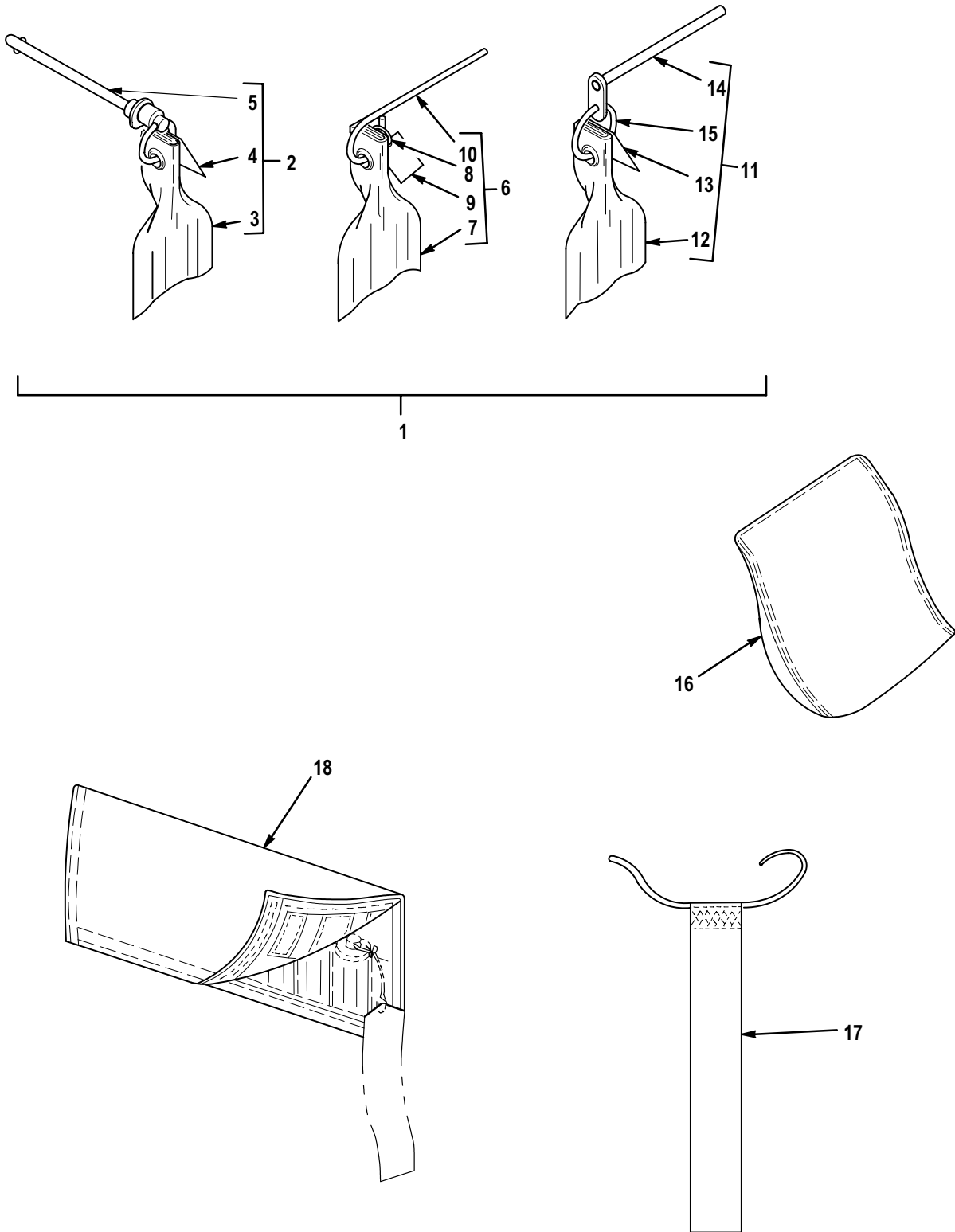
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 725 Crane, Aircraft Mounted<br>Maintenance (Part 4)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PBOOO              | 02731       | 120084             | • Torque Arm Assy BOI: 1 Auth for 10-25 Ships . . . . .  | 1          |
| 2                  | PAOZZ              | 72962       | 21NE066            | •• Nut, Self-Locking, He . . . . .   | 1          |
| 3                  | PAOZZ              | 88044       | AN960-616          | •• Washer, Flat . . . . .  | 1          |
| 4                  | PAOZZ              | 02731       | 120112             | •• Clamp Screw . . . . .   | 1          |
| 5                  | PAOZZ              | 02731       | 120003             | •• Clamp, Arm Assy . . . . .   | 1          |
| 6                  | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex . . . . .   | 4          |
| 7                  | PAOZZ              | 96906       | MS16998-32         | •• Screw, Cap, Socket He . . . . .   | 4          |
| 8                  | XDOZZ              | 02731       | 120002             | •• Fitting, Slide . . . . .  | 2          |
| 9                  | XDOOO              | 02731       | 120001             | •• Plate, End . . . . .  | 1          |
| 10                 | PAOZZ              | 96906       | MS122123           | ••• Insert, Screw Thread . . . . .   | 1          |
| 11                 | XDOZZ              | 02731       | 120069             | •• Arm, Torque . . . . .   | 1          |
| 12                 | AOOOO              | 02731       | 120085-3           | • Leg Assembly, Dog . . . . .  | 1          |
| 13                 | XDOZZ              | 02731       | 120072-3           | •• Handle, Torque . . . . .  | 1          |
| 14                 | XAOZZ              | 02731       | 120094             | •• Spacer, Torque Hdl . . . . .  | 1          |
| 15                 | PAOZZ              | 96906       | MS51957-27         | •• Screw, Machine . . . . .  | 1          |
| 16                 | MFOFF              | 02731       | 120073             | •• Tether, Foot . . . . .  | 1          |
| 17                 | PAFZZ              | 96906       | MS16624-4081       | ••• Ring, Retaining . . . . .  | 1          |
| 18                 | PAFZZ              | 96906       | MS51844-40         | ••• Swaging Sleeve, Wire . . . . .   | 2          |
| 19                 | MFFZZ              | 02731       | 120073-3           | ••• Cable, Tether . . . . .  | 1          |
| 20                 | XDOZZ              | 02731       | 120068             | •• Stud, Foot . . . . .  | 2          |
| 21                 | PAOZZ              | 96906       | MS24667-58         | •• Screw, Cap, Socket He . . . . .   | 1          |
| 22                 | XDOZZ              | 02731       | 120005             | •• Cone, Foot . . . . .  | 1          |
| 23                 | XDOOO              | 02731       | 120114             | •• Leg, Dog . . . . .  | 1          |
| 24                 | PAOZZ              | 96906       | MS21209C4-15       | ••• Insert, Screw Thread . . . . .   | 6          |
| 25                 | PAOZZ              | 96906       | MS21209C8-15       | ••• Insert, Screw Thread . . . . .   | 2          |
| 26                 | PAOZZ              | 96906       | MS122121           | ••• Insert, Screw Thread . . . . .   | 1          |
| 27                 | PAOZZ              | 96906       | MS21209C6-10L      | ••• Insert, Screw Thread . . . . .   | 1          |
| 28                 | PBOOO              | 02731       | 120053-3           | • Tie Rod Assy, Crane Short BOI: 1 Auth for 10-25 Ships . .  | 1          |
| 28                 | PBOOO              | 02731       | 120053-5           | • Tie Rod Assy, Crane Long BOI: 1 Auth for 10-25 Ships . .   | 1          |
| 29                 | PAOZZ              | 96906       | MS21042-6          | •• Nut, Self-Locking, Ex . . . . .   | 1          |
| 30                 | PAOZZ              | 88044       | AN960-616          | •• Washer, Flat . . . . .  | 1          |
| 31                 | XDOZZ              | 02731       | 120051             | •• Handle, Tee . . . . .   | 1          |
| 32                 | XDOZZ              | 02731       | 120052-3           | •• Shaft, Tie . . . . .  | 1          |
| 33                 | PAOZZ              | 96906       | MS35691-37         | •• Nut, Plain, Hexagon . . . . .   | 1          |
| 34                 | XDOZZ              | 73134       | HMX7G              | •• Bearing, Spherical . . . . .  | 1          |
| 35                 | XDOZZ              | 02731       | 120049-1 1         | •• Rod, Tie Short . . . . .  | 1          |
| 35                 | XDOZZ              | 02731       | 120049-13          | •• Rod, Tie Long . . . . .   | 1          |
| 36                 | PAOZZ              | 96906       | MS35691-21         | •• Nut, Plain, Hexagon . . . . .   | 1          |
| 37                 | XDOZZ              | 73134       | HMX5G              | •• Bearing, Spherical . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-789E

Figure 726. Group 80 Yoke Assembly, Elevation 120103 (02731)

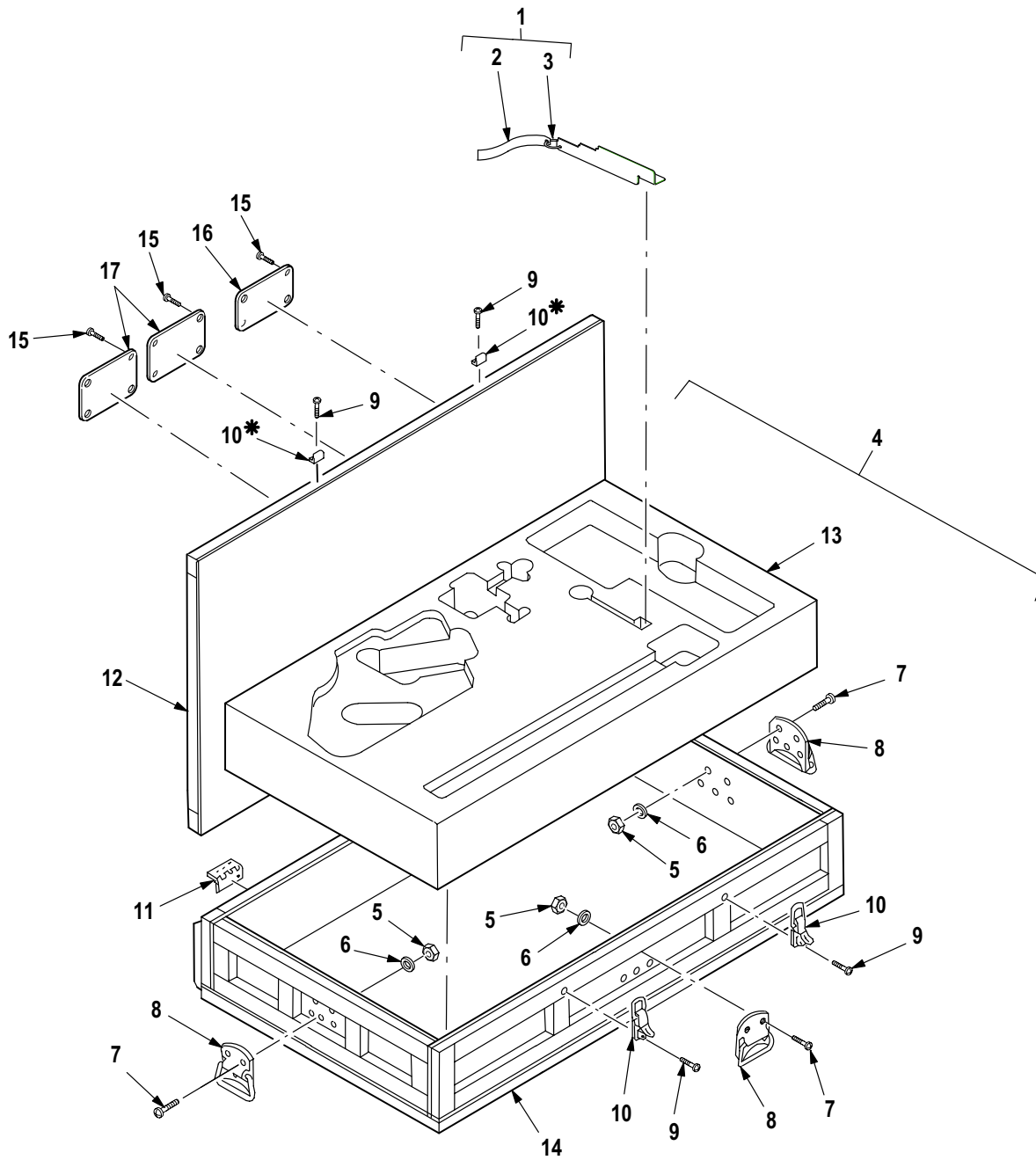
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 726 Yoke Assembly, Elevation<br>120103 (02731)<br>See Fig. 722 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35206-243        | • Screw, Machine .....  | 1          |
| 2                  | MFOFF              | 02731       | 120104             | • Wire Rope Assembly, .....   | 1          |
| 3                  | PAFZZ              | 96906       | MS16624-4025       | •• Ring, Retaining .....  | 1          |
| 4                  | XAOZZ              | 02731       | 120104-1           | •• Cable, Thether .....   | 1          |
| 5                  | PAFZZ              | 96906       | MS51844-40         | •• Swaging Sleeve, Wire .....   | 2          |
| 6                  | PAOZZ              | 02731       | 120090             | • Screw, Thumb, Winch .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS21044N08         | • Nut, Self-Locking, He .....   | 1          |
| 8                  | PAOZZ              | 96906       | MS16997-35         | • Screw, Cap, Socket He .....   | 1          |
| 9                  | XDOZZ              | 02731       | 120088             | • Handle, Manual Contr .....  | 1          |
| 10                 | PAOZZ7             | 96906       | MS171595           | • Pin, Spring .....   | 1          |
| 11                 | XDOZZ              | 02731       | 120100             | • Hub .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS21042-6          | • Nut, Self-Locking, Ex .....   | 1          |
| 13                 | PAOZZ              | 88044       | AN960C-616         | • Washer, Flat .....  | 3          |
| 14                 | PAOZZ              | 80205       | NAS1149C1063R      | • Washer, Flat .....  | 3          |
| 15                 | PAOZZ              | 80205       | NAS1306-76H        | • Bolt, Shear .....   | 1          |
| 16                 | PAOZZ              | 02731       | 120102             | • Bushing, Yoke Assy .....  | 1          |
| 17                 | XDOZZ              | 02731       | 120101             | • Shaft, Worm Gear .....  | 1          |
| 18                 | XDOZZ              | 02731       | 120095             | • Drum, Boom Hoist .....  | 1          |
| 19                 | XDOZZ              | 02731       | 120099             | • Gear, Worm .....  | 1          |
| 20                 | XDOZZ              | 02731       | 120096             | • Block, Worm .....   | 1          |
| 21                 | XDOZZ              | 02731       | 120097             | • Worm .....  | 1          |
| 22                 | XDOZZ              | 02731       | 120098             | • Shaft, Worm .....   | 1          |
| 23                 | XDOZZ              | 81348       | RRC271             | • Shackle .....   | 1          |
| 24                 | XDOZZ              | 02731       | 120071             | • Line, Boom .....  | 1          |
| 25                 | XAOZZ              | 02731       | 120016             | • Yoke Elevation .....  | 1          |
| 26                 | PAOZZ              | 88044       | AN535-2-4          | • Screw, Drive .....  | 8          |
| 27                 | XDOZZ              | 02731       | 120113-3           | • Plate, Identificatio .....  | 1          |
| 28                 | XDOZZ              | 02731       | HS5216-1           | • Plate, Ident .....  | 1          |
| 29                 | PAOZZ              | 96906       | MS21318-9          | • Screw, Drive .....  | 4          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-793F

Figure 727. Group 80 Rigging Kit, Aircraft (Part 1)  
7-262100003-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 727 Rigging Kit, Aircraft (Part 1)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10001       | • Pin Set, Rigging .....   | 1          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-1 1   | •• Pin Assembly .....  | 3          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-27    | •• Pin Assembly .....  | 1          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-3     | •• Pin Assembly .....  | 4          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-5     | •• Pin Assembly .....  | 1          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-7     | •• Pin Assembly .....  | 2          |
| 2                  | AOOOO              | 02731       | 7-2621 10001-9     | •• Pin Assembly .....  | 14         |
| 3                  | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....  | 1          |
| 4                  | XDOZZ              | 02731       | HS5333-1000        | ••• Plate, Ident .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C310        | ••• Pin, Quick Release (U/O P/N 7-262110001-27) .....  | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C315        | ••• Pin, Quick Release (U/O P/N 7-262110001-9) .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C320        | ••• Pin, Quick Release (U/O P/N 7-262110001-7) .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C330        | ••• Pin, Quick Release (U/O P/N 7-262110001-5) .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C340        | ••• Pin, Quick Release (U/O P/N 7-262110001-3) .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C350        | ••• Pin, Quick Release (U/O P/N 7-262110001-1 1) .....   | 1          |
| 6                  | AOOOO              | 02731       | 7-2621 10001-13    | •• Pin Assembly .....  | 2          |
| 7                  | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....  | 1          |
| 8                  | XAOZZ              | 02731       | 7-2621 10001-25    | ••• Ring .....   | 1          |
| 9                  | XDOZZ              | 02731       | HS5333-1000        | ••• Plate, Ident .....   | 1          |
| 10                 | XDOZZ              | 02731       | 7-2621 10001-15    | ••• Pin .....  | 1          |
| 11                 | AOOOO              | 02731       | 7-2621 10001-17    | •• Pin Assembly .....  | 1          |
| 12                 | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....  | 1          |
| 13                 | XAOZZ              | 02731       | HS5333-1000        | ••• Plate, Ident .....   | 1          |
| 14                 | XAOZZ              | 02731       | 7-2621 10001-19    | ••• Pin Weldment .....   | 1          |
| 15                 | XAOZZ              | 02731       | 7-2621 10001-25    | ••• Ring .....   | 1          |
| 16                 | XDOZZ              | 02731       | 7-2621 10041       | • Cover Assembly Cyclic Stick .....  | 2          |
| 17                 | XDOZZ              | 02731       | 7-2621 10042       | • Flag Assembly Coll Stick .....   | 2          |
| 18                 | XDOZZ              | 02731       | 7-2621 10051-13    | • Pouch Rigging Pins .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

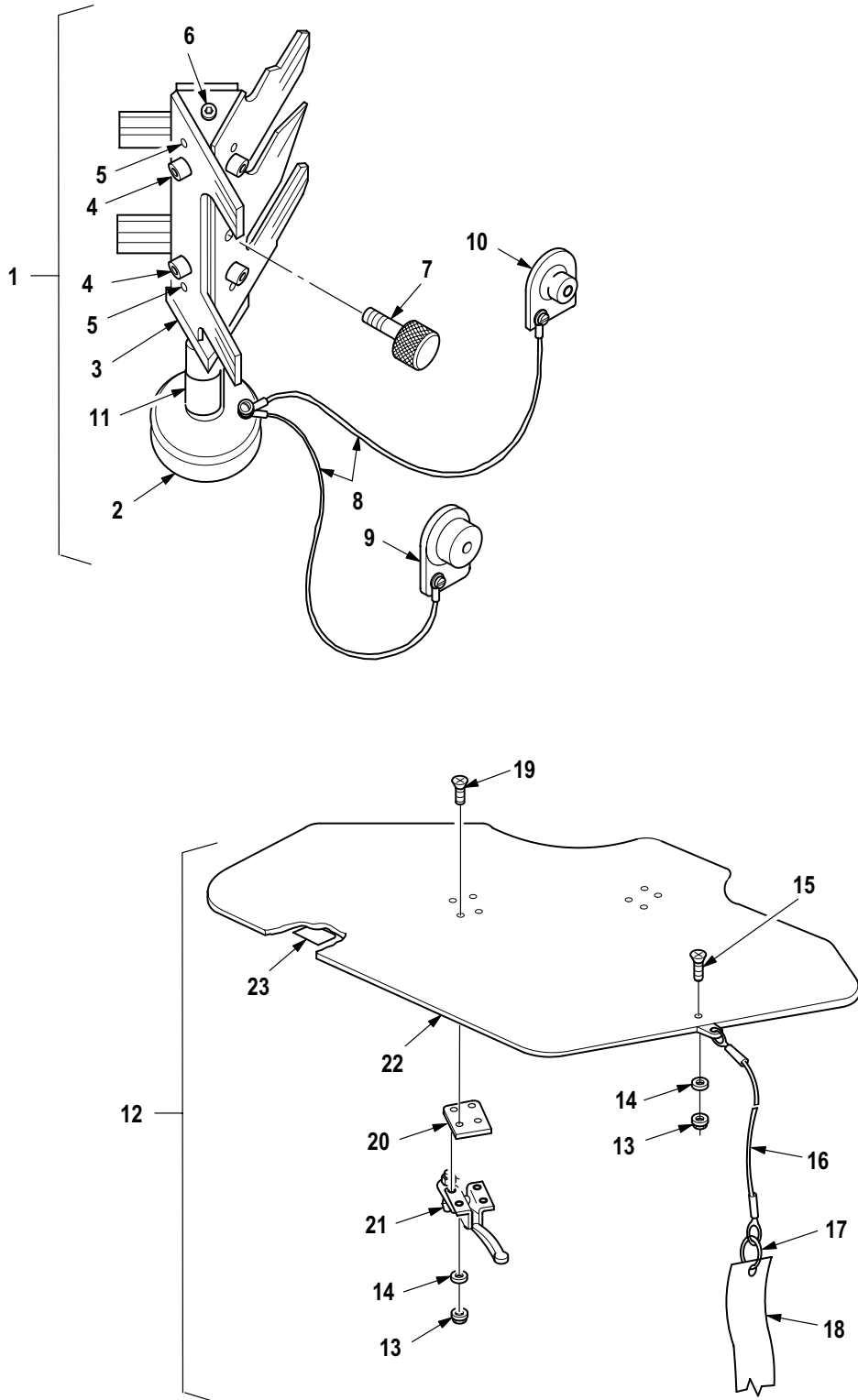


\* SUPPLIED WITH ATTACHED ITEM

M09-794E

Figure 728. Group 80 Rigging Kit, Aircraft (Part 2)  
7-262100003-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 728 Rigging Kit, Aircraft (Part 2)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10057-607   | • Modification Kit, Ai .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1756-12         | •• Streamer, Warning .....   | 1          |
| 3                  | PAOZZ              | 81349       | M27426-1 110D      | •• Ring, Retaining .....   | 1          |
| 4                  | XDOOO              | 02731       | 7-2621 10003-603   | • Container, Rngng Kit .....   | 1          |
| 5                  | PAOZZ              | 96906       | MS21044C3          | •• Nut, Self-Locking, He .....   | 15         |
| 6                  | PAOZZ              | 88044       | AN970-3            | •• Washer, Flat .....  | 15         |
| 7                  | PAOZZ              | 96906       | MS51960-68         | •• Screw, Machine .....  | 15         |
| 8                  | PAOZZ              | 96906       | MS35791-1          | •• Handle, Bail .....  | 3          |
| 9                  | PAOZZ              | 96906       | MS35493-53         | •• Screw, Wood .....   | 8          |
| 10                 | XDOZZ              | 02731       | HS5397-0001        | •• Catch, Clamping .....   | 2          |
| 11                 | PAOZZ              | 96906       | MS27968-4          | •• Hinge, Butt .....   | 3          |
| 12                 | XDOZZ              | 02731       | 7-2621 10003-5     | •• Lid Assembly .....  | 1          |
| 13                 | XDOZZ              | 02731       | 7-2621 10003-33    | •• Filler .....  | 1          |
| 14                 | XAOZZ              | 02731       | 7-2621 10003-3     | •• Shell Assembly .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....  | 12         |
| 16                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....   | 1          |
| 17                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....   | 2          |
| END OF FIGURE      |                    |             |                    |  |            |

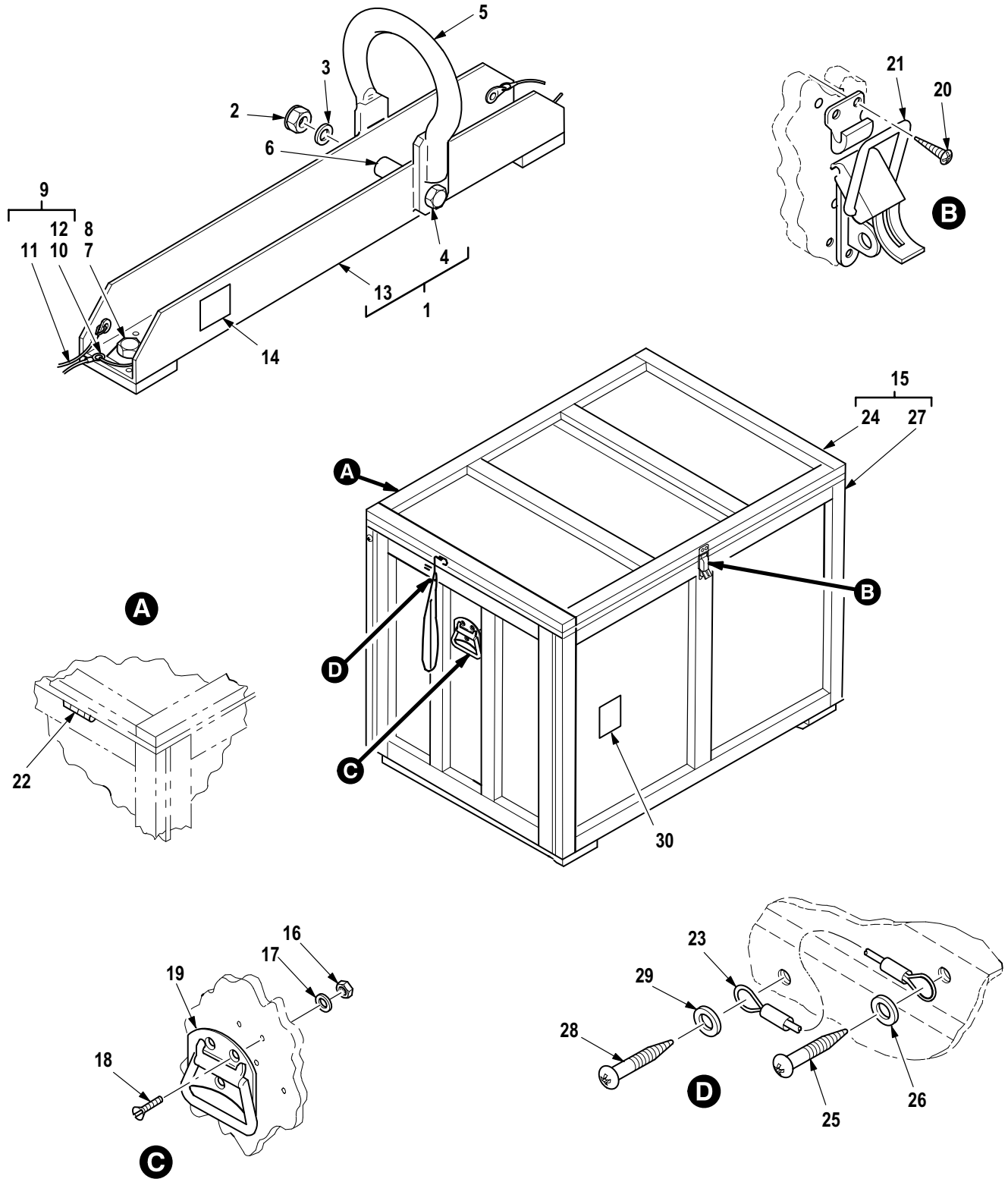


M09-795C

Figure 729. Group 80 Rigging Kit, Aircraft (Part 3)  
7-262100003-607



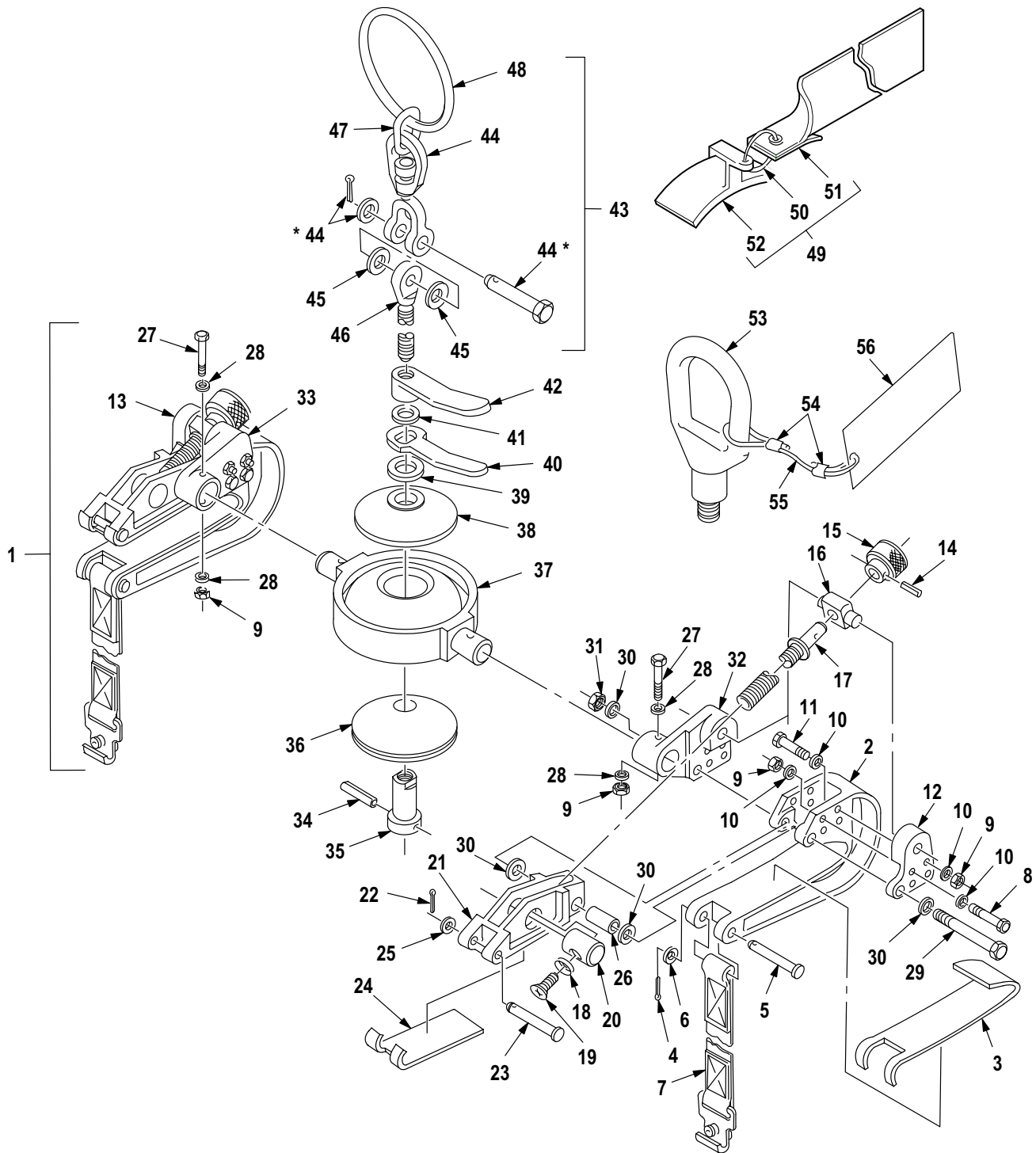
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 729 Rigging Kit, Aircraft (Part 3)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOFF              | 02731       | 7-3621 10053       | • Fixture, Rigging .....   | 1          |
| 2                  | XDOFF              | 02731       | 7-3621 10053-3     | •• Kit, Rigging .....  | 1          |
| 3                  | XDFFF              | 02731       | 7-3621 10053-13    | ••• Pointer Assembly .....   | 1          |
| 4                  | PAFZZ              | 96906       | MS16995-47         | •••• Screw, Cap, Socket He .....   | 6          |
| 5                  | PAFZZ              | 96906       | MS9390-290         | •••• Pin, Straight, Headle .....   | 6          |
| 6                  | PAFZZ              | 80205       | NAS1081C8A6        | ••• Setscrew .....   | 1          |
| 7                  | PAFZZ              | 99862       | CL-23512           | ••• Thumbscrew .....   | 1          |
| 8                  | PAFZZ              | 99862       | CL-63-KA-12        | ••• Wire Rope Assembly, .....  | 2          |
| 9                  | XDFZZ              | 02731       | 7-3621 10053-25    | •• Locator Assembly .....  | 1          |
| 10                 | XDFZZ              | 02731       | 7-3621 10053-27    | •• Locator Assembly .....  | 1          |
| 11                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....   | 1          |
| 12                 | XDOOO              | 02731       | 7-2621 10052-603   | • Plate, Rgng .....  | 1          |
| 13                 | XDOZZ              | 80205       | MS21042L3          | •• Nut, Self-Locking, Ex .....   | 9          |
| 14                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....  | 9          |
| 15                 | XDOZZ              | 02731       | HS4727-3-4         | •• Screw, Machine .....  | 1          |
| 16                 | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly, .....   | 1          |
| 17                 | XDOZZ              | 02731       | HS4954-01          | •• Ring, Connecting, Rou .....   | 1          |
| 18                 | XDOZZ              | 80205       | NAS1756-24         | •• Streamer, Warning .....   | 1          |
| 19                 | XDOZZ              | 02731       | HS4727-3-9         | •• Screw, Close Toleran .....  | 8          |
| 20                 | XDOZZ              | 02731       | 7-2621 10052-5     | •• Spacer .....  | 2          |
| 21                 | XDOZZ              | 02731       | HS5082-0001        | •• Clamp, Rim Clenching .....  | 2          |
| 22                 | XAOZZ              | 02731       | 7-2621 10052-7     | •• Plate .....   | 1          |
| 23                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-796F

Figure 730. Group 80 Kit, Sling Set (Part 1) 7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 730 Kit, Sling Set (Part 1)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10007       | • Support, Structural .....   | 1          |
| 2                  | PAOZZ              | 96906       | MS21042-5          | •• Nut, Self-Locking, Ex .....  | 1          |
| 3                  | PAOZZ              | 88044       | AN960-516L         | •• Washer, Flat .....   | 1          |
| 4                  | PAOZZ              | 80205       | NAS1305-38         | •• Bolt, Shear .....  | 1          |
| 5                  | XDOZZ              | 02731       | 7-2621 10007-3     | •• Shackle Assembly .....   | 1          |
| 6                  | PAOZZ              | 80205       | NAS43HT5-137       | •• Spacer, Sleeve .....   | 1          |
| 7                  | PAOZZ              | 80205       | NAS566-39          | •• Bolt, Machine .....  | 2          |
| 8                  | PAOZZ              | 02731       | HS4497-6           | •• Push On Nut .....  | 2          |
| 9                  | XDOOO              | 02731       | 7-2621 10007-19    | •• Lanyard Assembly .....   | 2          |
| 10                 | PAOZZ              | 02731       | 7-2621 10007-11    | ••• Clip, Sling .....   | 1          |
| 11                 | XAOZZ              | 02731       | 7-2621 10007-17    | ••• Lanyard .....   | 1          |
| 12                 | PAOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....  | 1          |
| 13                 | XDOZZ              | 02731       | 7-2621 10007-13    | •• Beam Assy .....  | 1          |
| 14                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 15                 | PBOOO              | 02731       | 7-2621 10060       | • Shipping and Storang .....  | 1          |
| 16                 | PAOZZ              | 96906       | MS21044C3          | •• Nut, Self-Locking, He .....  | 10         |
| 17                 | PAOZZ              | 88044       | AN970-3            | •• Washer, Flat .....   | 10         |
| 18                 | PAOZZ              | 96906       | MS51960-68         | •• Screw, Machine .....   | 10         |
| 19                 | PAOZZ              | 96906       | MS35791-1          | •• Handle, Bail .....   | 2          |
| 20                 | PAOZZ              | 96906       | MS35493-53         | •• Screw, Wood .....  | 4          |
| 21                 | XDOZZ              | 02731       | HS5397-0001        | •• Catch, Clamping .....  | 1          |
| 22                 | PAOZZ              | 96906       | MS27968-4          | •• Hinge, Butt .....  | 3          |
| 23                 | PAOZZ              | 84256       | 55152-1800         | •• Lanyard Assembly, Tr .....   | 2          |
| 24                 | XAOZZ              | 02731       | 7-2621 10060-5     | •• Lid Assembly .....   | 1          |
| 25                 | PAOZZ              | 96906       | MS35493-53         | ••• Screw, Wood .....   | 2          |
| 26                 | PAOZZ              | 88044       | AN970-3            | ••• Washer, Flat .....  | 2          |
| 27                 | XAOZZ              | 02731       | 7-2621 10060-3     | •• Shell Assembly, Box .....  | 1          |
| 28                 | PAOZZ              | 96906       | MS35493-53         | ••• Screw, Wood .....   | 2          |
| 29                 | PAOZZ              | 88044       | AN970-3            | ••• Washer, Flat .....  | 2          |
| 30                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



\* SUPPLIED WITH ATTACHED ITEM

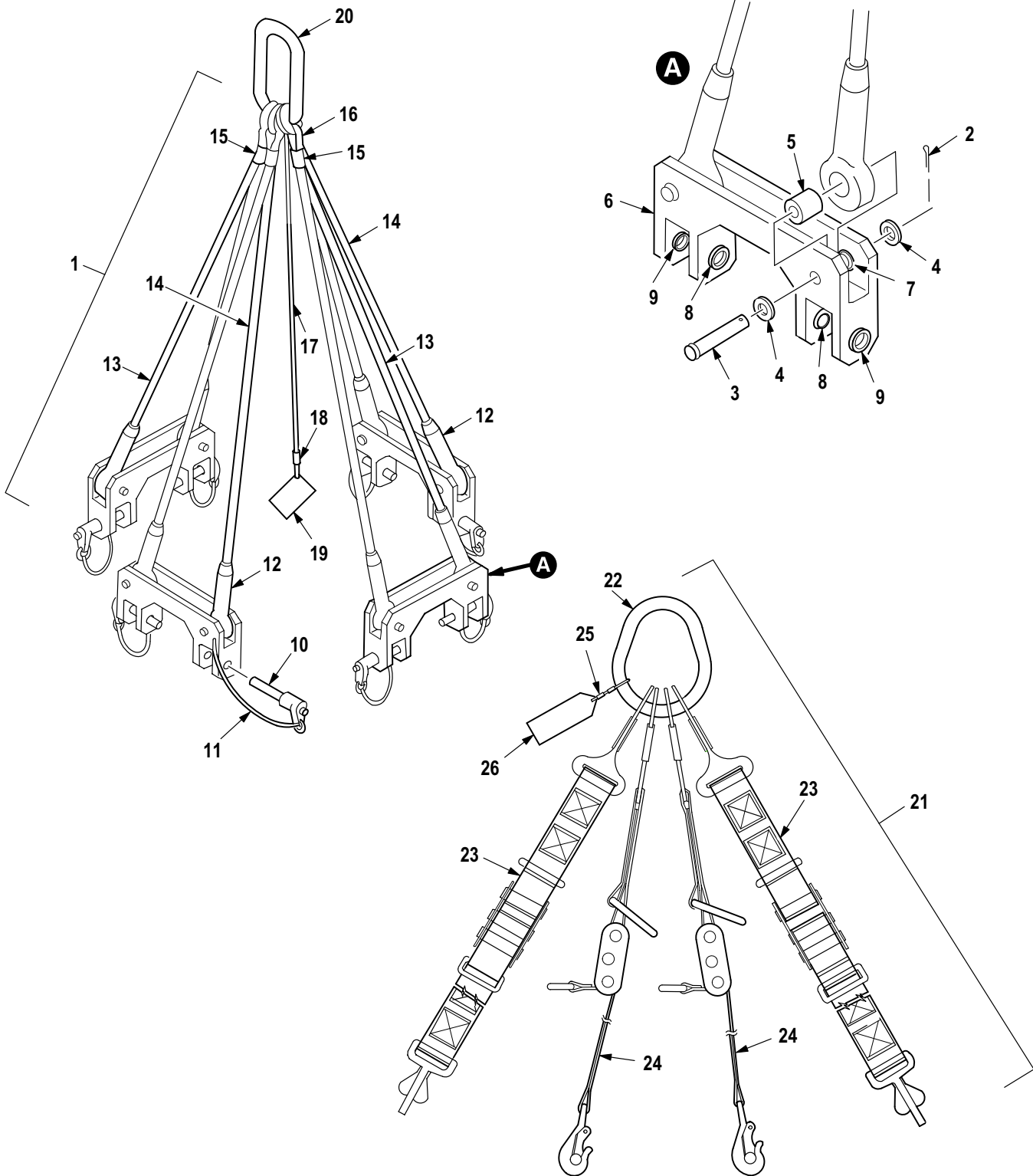
M09-797E

Figure 731. Group 80 Kit, Sling Set (Part 2)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER       | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------------|---|------------|
|                    |                    |             |                          | Group 80 Special Tools<br>Fig. 731 Kit, Sling Set (Part 2)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | PBOFF              | 02731       | 7-3621 10216             | • Sling Assy Main Rot .....   | 1          |
| 2                  | XDFFF              | 02731       | 7-362120169              | •• Lower Beam M/R Slin .....  | 2          |
| 3                  | XAFZZ              | 02731       | 7-362120169-5            | ••• Pad .....   | 1          |
| 4                  | PAFZZ              | 96906       | MS24665-300              | ••• Pin, Cotter .....   | 1          |
| 5                  | PAFZZ              | 96906       | MS20392-5C101            | ••• Pin, Straight, Headed .....   | 1          |
| 6                  | PAFZZ              | 88044       | AN960C-616               | ••• Washer, Flat .....  | 1          |
| 7                  | PAOZZ              | 02731       | 7-362120176              | •• Strap, Webbing .....   | 1          |
| 8                  | PAOZZ              | 80205       | NAS6604-27               | •• Bolt, Shear .....  | 8          |
| 9                  | PAOZZ              | 80205       | MS21044C4                | •• Nut, Self-Locking, He .....  | 18         |
| 10                 | PAOZZ              | 88044       | AN960C416L               | •• Washer, Flat .....   | 32         |
| 11                 | PAOZZ              | 80205       | NAS6604-14               | •• Bolt, Shear .....  | 8          |
| 12                 | XDFZZ              | 02731       | 7-362120171-3            | •• Trunnion Support .....   | 1          |
| 13                 | XDFZZ              | 02731       | 7-362120171-4            | •• Trunnion Support .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS16562-238              | •• Pin, Spring .....  | 2          |
| 15                 | PAOZZ              | 02731       | 7-362120173-9            | •• Knob .....   | 2          |
| 16                 | PAFZZ              | 02731       | 7-362120173-7            | •• Pin, Shoulder, Headle .....  | 1          |
| 17                 | PAOZZ              | 02731       | 7-362120173-1 1          | •• Rod End, Threaded .....  | 2          |
| 18                 | PAOZZ              | 02731       | 7-362120173-13           | •• Stop Assembly, Sling .....   | 2          |
| 19                 | PAOZZ              | 80205       | NAS1102E6-18             | ••• Screw, Machine .....  | 1          |
| 20                 | PAOZZ              | 02731       | 7-362120173-5            | •• Nut, Plain, Barrel .....   | 2          |
| 21                 | XDFFF              | 02731       | 7-362120170              | •• Pad Assembly .....   | 2          |
| 22                 | PAFZZ              | 96906       | MS24665-300              | ••• Pin, Cotter .....   | 1          |
| 23                 | PAFZZ              | 96906       | MS20392-5C101            | ••• Pin, Straight, Headed .....   | 1          |
| 24                 | XDFZZ              | 02731       | 7-362120170-5            | ••• Rubber Strip .....  | 1          |
| 25                 | PAFZZ              | 88044       | AN960C-616               | ••• Washer, Flat .....  | 1          |
| 26                 | XAFZZ              | 02731       | HS610SL6280-502T1<br>375 | ••• Bushing .....   | 1          |
| 27                 | PAOZZ              | 80205       | NAS6604-36               | •• Bolt, Shear .....  | 2          |
| 28                 | PAOZZ              | 88044       | AN960-416                | •• Washer, Flat .....   | 4          |
| 29                 | PAOZZ              | 80205       | NAS1308-70               | •• Bolt, Shear .....  | 2          |
| 30                 | PAOZZ              | 80205       | NAS1149C0863R            | •• Washer, Flat .....   | 4          |
| 31                 | PAOZZ              | 96906       | MS21044C8                | •• Nut, Self-Locking, He .....  | 2          |
| 32                 | XDFZZ              | 02731       | 7-362120172-3            | •• Standoff .....   | 1          |
| 33                 | XDFZZ              | 02731       | 7-362120172-4            | •• Standoff .....   | 1          |
| 34                 | PAOZZ              | 96906       | MS16562-256              | •• Pin, Spring .....  | 1          |
| 35                 | PAOZZ              | 02731       | 7-362120173-21           | •• Nut, Sleeve .....  | 1          |
| 36                 | XDFZZ              | 02731       | 7-362120175              | •• Bearing .....  | 1          |
| 37                 | XDOZZ              | 02731       | 7-362130008              | •• Position Beam .....  | 1          |
| 38                 | XDOZZ              | 02731       | 7-362120174              | •• Retainer .....   | 1          |
| 39                 | PAOZZ              | 88044       | AN960C1616               | •• Washer, Flat .....   | 1          |
| 40                 | XDOZZ              | 02731       | 7-362120173-23           | •• Torque Handle .....  | 1          |
| 41                 | PAOZZ              | 80205       | NAS1149C1063R            | •• Washer, Flat .....   | 1          |
| 42                 | XDOZZ              | 02731       | 7-362120173-25           | •• Clamp Handle .....   | 1          |
| 43                 | XDOOO              | 02731       | 7-362120173-3            | •• Ring Assembly .....  | 1          |
| 44                 | XDOZZ              | 02731       | HS9017-100               | ••• Swivel, Eye and Jaw .....   | 1          |
| 45                 | PAOZZ              | 96906       | MS15795-820              | ••• Washer, Flat .....  | 2          |
| 46                 | PAOZZ              | 02731       | 7-362120173-27           | ••• Bolt, Eye .....   | 1          |
| 47                 | XDOZZ              | 02731       | HS9016-100               | ••• Link, Chain, Connecti .....   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 48                 | XDOZZ              | 02731       | 7-362120173-19     | ••• Ring Assembly, Sling .....              | 1          |
| 49                 | PAOOO              | 02731       | 7-2621 10074       | • Wedge Assembly, Droo M/R .....            | 4          |
| 50                 | XDOZZ              | 02731       | HS4954-01          | •• Ring, Connecting, Rou .....              | 1          |
| 51                 | PAOZZ              | 80205       | NAS1756-24         | •• Streamer, Warning .....                  | 1          |
| 52                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....              | 1          |
| 53                 | PBOOO              | 02731       | 7-2621 10020       | • Bolt, Eye .....                           | 1          |
| 54                 | PAOZZ              | 96906       | MS51844-62         | •• Swaging Sleeve, Wire .....               | 2          |
| 55                 | MFOZZ              | 02731       | 7-2621 10020-3     | •• Wire Rope .....                          | 1          |
| 56                 | XDOZZ              | 02731       | HS5333-1000        | •• Plate, Ident .....                       | 1          |
| END OF FIGURE      |                    |             |                    |   |            |





M09-798C

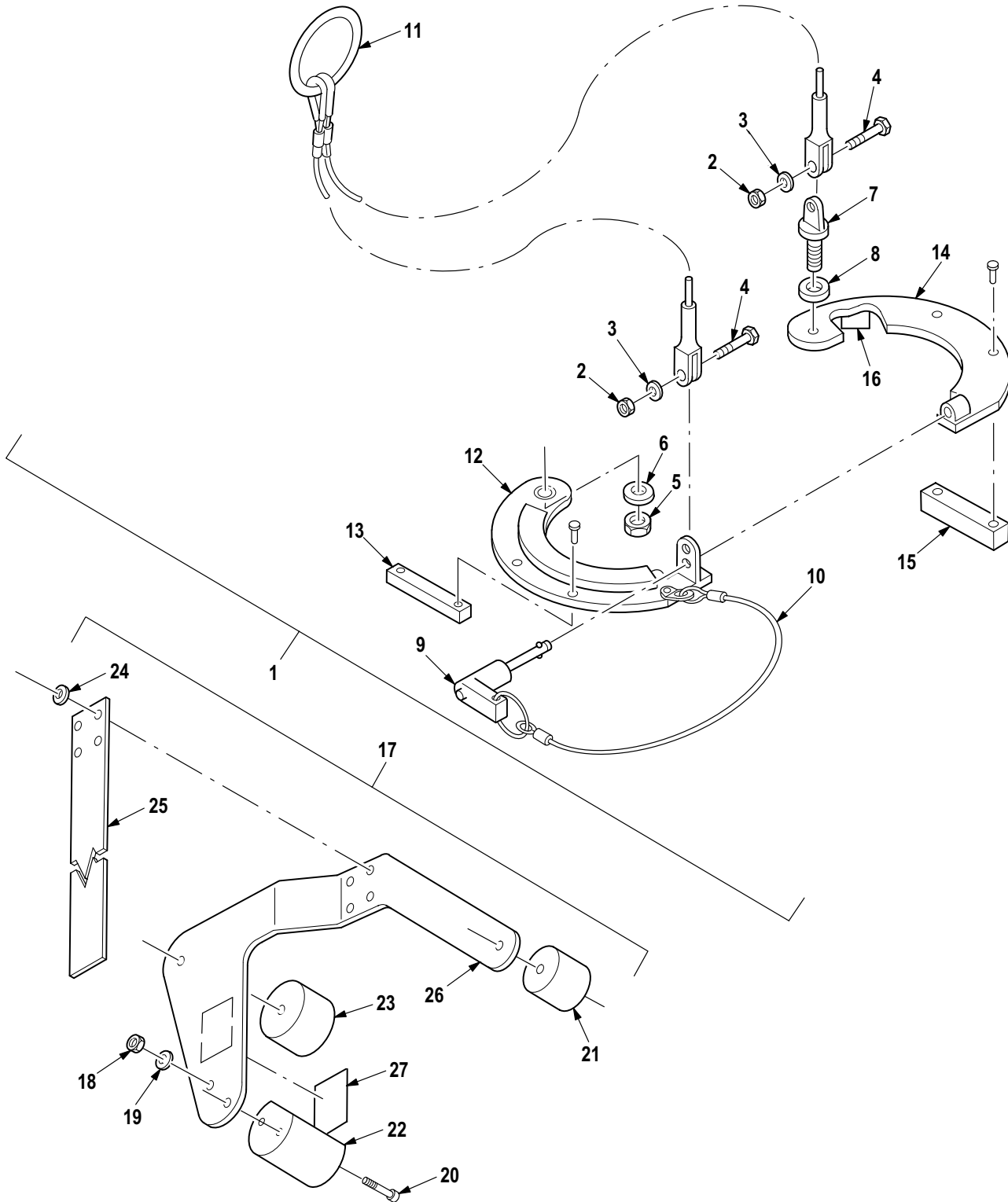
Figure 732. Group 80 Kit, Sling Set (Part 3)  
7-262100005-607



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER        | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|---------------------------|---|------------|
|                    |                    |             |                           | Group 80 Special Tools<br>Fig. 732 Kit, Sling Set (Part 3)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10009-601          | • Sling Assy, Air Vehi BOI: 1 Auth for 10-25 Ships .....  | 1          |
| 2                  | PAOZZ              | 96906       | MS24665-298               | •• Pin, Cotter .....  | 8          |
| 3                  | PAOZZ              | 96906       | MS20392-7C65              | •• Pin, Straight, Headed .....  | 8          |
| 4                  | PAOZZ              | 88044       | AN960C816L                | •• Washer, Flat .....   | 16         |
| 5                  | XAOZZ              | 02731       | HS610SP10730R507-<br>875M | •• Bushing, Plain .....   | 8          |
| 6                  | PAOOO              | 02731       | 7-262120032               | •• Fitting, Sling Assy .....  | 4          |
| 7                  | XAOZZ              | 02731       | HS4115C8-24               | ••• Bushing .....   | 4          |
| 8                  | XAOZZ              | 02731       | HS4115C9-32               | ••• Bushing .....   | 2          |
| 9                  | XAOZZ              | 02731       | HS4115C9-26               | ••• Bushing .....   | 2          |
| 10                 | PAOZZ              | 80205       | NAS1339A5C24F             | ••• Pin, Quick Release .....  | 2          |
| 11                 | PAOZZ              | 02731       | HS5198-4006               | ••• Wire Rope Assembly .....  | 2          |
| 12                 | XAOZZ              | 02731       | 7-362120051               | •• Socket, Closed .....   | 8          |
| 13                 | XAOZZ              | 02731       | 7-2621 10009-3            | •• Cable .....  | 2          |
| 14                 | XAOZZ              | 02731       | 7-2621 10009-5            | •• Cable .....  | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-92                | •• Swaging Sleeve, Wire .....   | 4          |
| 16                 | XAOZZ              | 02731       | HS5220-1500               | •• Thimble, Rope .....  | 4          |
| 17                 | MOOZZ              | 02731       | 7-2621 10009-7            | •• Wire Rope Assembly, .....  | 1          |
| 18                 | XAOZZ              | 96906       | MS51844-62                | •• Swaging Sleeve, Wire .....   | 2          |
| 19                 | XDOZZ              | 02731       | HS5216-1                  | •• Plate, Ident .....   | 1          |
| 20                 | XAOZZ              | 02731       | 7-362120050               | •• Link Assy, Master .....  | 1          |
| 21                 | PAOOO              | 02731       | 7-2621 10010              | • Sling, Universal, Rot BOI: 1 Auth for 10-25 Ships .....   | 1          |
| 22                 | XDOZZ              | 98313       | FD5844-1                  | •• Apex, Sling, Hoisting .....  | 1          |
| 23                 | PBOZZ              | 98313       | FDC5845-3                 | •• Leg Assembly, Sling .....  | 2          |
| 24                 | PBOZZ              | 98313       | FDC5845-4                 | •• Leg Assembly, Sling .....  | 2          |
| 25                 | XDOZZ              | 98313       | FDA7354-1                 | •• Cable Assy .....   | 1          |
| 26                 | XDOZZ              | 98313       | FD7356-3                  | •• Plate, Ident .....   | 1          |
| END OF FIGURE      |                    |             |                           |   |            |



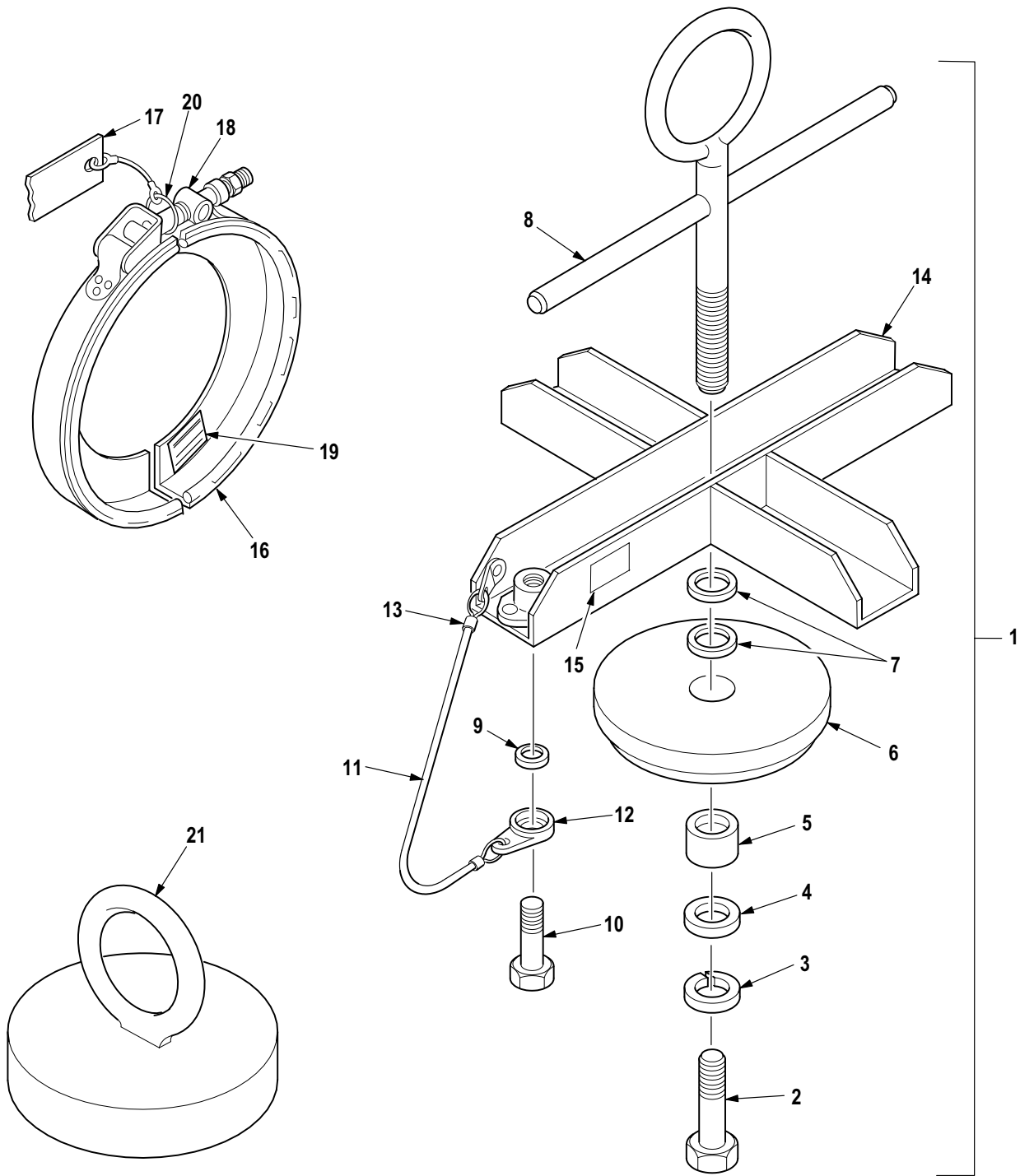
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 733 Kit, Sling Set (Part 4)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | PAOFF              | 02731       | 7-267310016-603    | • Sling, Aircraft Main .....  | 1          |
| 2                  | PAFFF              | 02731       | 7-267310016-45     | •• Wire Rope Assembly .....   | 1          |
| 3                  | PAFZZ              | 80205       | NAS1049-8          | ••• Link, Chain, End .....  | 1          |
| 4                  | PAFZZ              | 75535       | A336-1/4           | ••• Link, Chain, Detachab .....   | 2          |
| 5                  | PAOZZ              | 96906       | MS21042-6          | •• Nut, Self-Locking, Ex .....  | 12         |
| 6                  | PAOZZ              | 88044       | AN960C-616         | •• Washer, Flat .....   | 12         |
| 7                  | PAOZZ              | 80205       | NAS3106C10-22      | •• Bolt, U .....  | 6          |
| 8                  | PAFFF              | 02731       | 7-267310016-47     | •• Strap, Webbing .....   | 1          |
| 9                  | PAFZZ              | 02731       | 7-267310016-51     | •• Strap, Webbing .....   | 1          |
| 10                 | PAOZZ              | 02731       | 7-367312015-601    | ••• Pin, Quick Release .....  | 1          |
| 11                 | PAOZZ              | 02731       | 7-36731 1041       | ••• Snap Hook .....   | 1          |
| 12                 | PAFFF              | 02731       | 7-267310016-49     | •• Strap, Webbing .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-267310016-53     | •• Strap, Webbing .....   | 1          |
| 14                 | PAOZZ              | 02731       | 7-367312015-601    | ••• Pin, Quick Release .....  | 1          |
| 15                 | PAOZZ              | 02731       | 7-36731 1041       | ••• Snap Hook .....   | 1          |
| 16                 | PAOZZ              | 02731       | 7-267310016-31     | •• Strap Assembly, Vert .....   | 1          |
| 17                 | XDFZZ              | 02731       | 7-267310016-29     | •• Support, Structural .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-799E

Figure 734. Group 80 Kit, Sling Set (Part 5)  
7-262100005-607

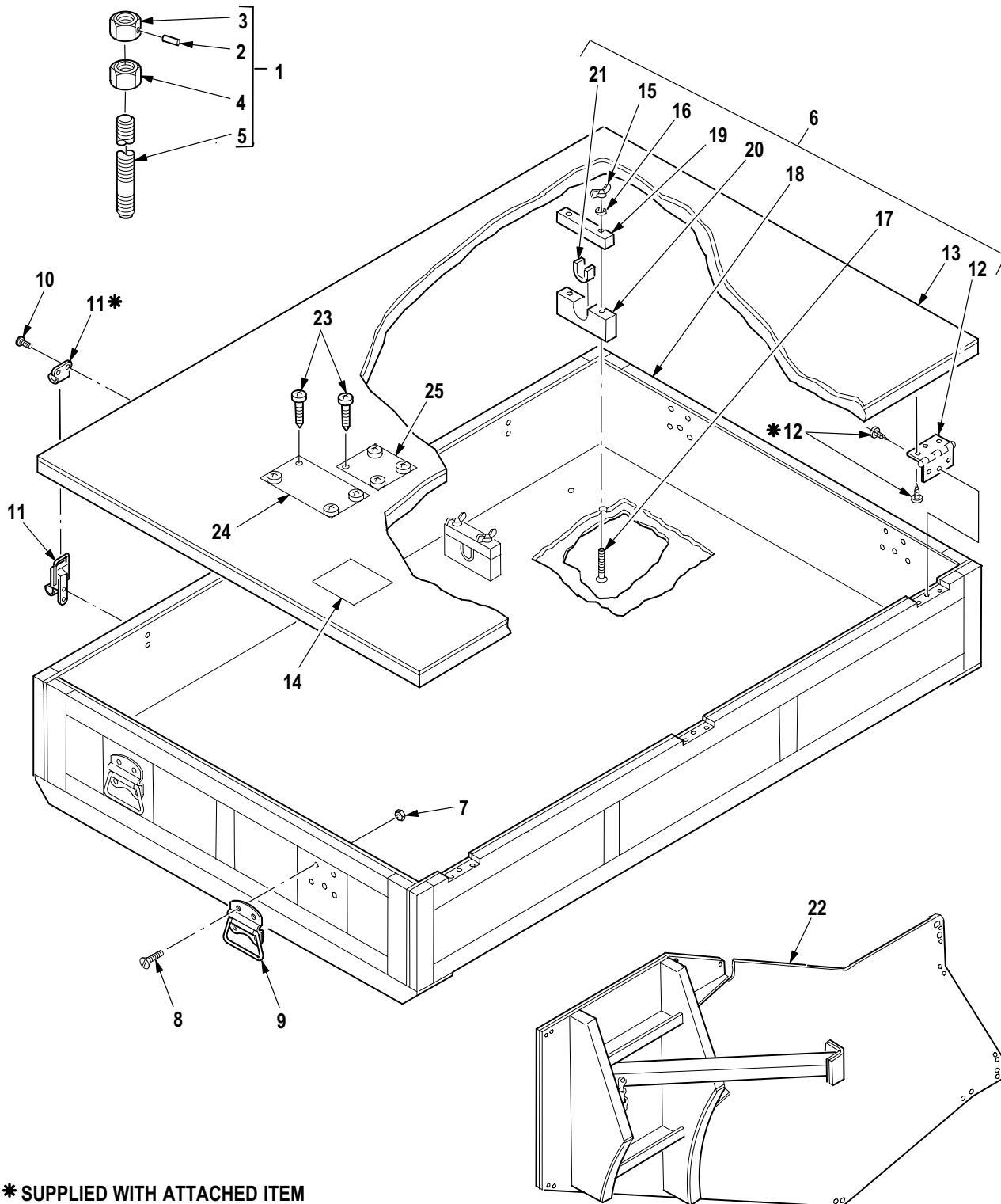
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 734 Kit, Sling Set (Part 5)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10016       | • Sling Assy, Main Rot Driveshaft .....   | 1          |
| 2                  | PAOZZ              | 96906       | MS21083C5          | •• Nut, Self-Locking, He .....  | 2          |
| 3                  | PAOZZ              | 80205       | NAS1149C0532R      | •• Washer, Flat .....   | 2          |
| 4                  | PAOZZ              | 88044       | AN25-14            | •• Bolt, Clevis .....   | 2          |
| 5                  | PAOZZ              | 96906       | MS21083C6          | •• Nut, Self-Locking, He .....  | 1          |
| 6                  | PAOZZ              | 88044       | AN960C616L         | •• Washer, Flat .....   | 1          |
| 7                  | PAOZZ              | 88044       | AN46-1 1           | •• Bolt, Eye .....  | 1          |
| 8                  | XDOZZ              | 02731       | 7-2621 10016-25    | •• Spacer .....   | 1          |
| 9                  | XDOZZ              | 96906       | MS17986C610        | •• Pin, Quick Release .....   | 1          |
| 10                 | PAOZZ              | 02731       | HS4494-4600        | •• Wire Rope Assembly, .....  | 1          |
| 11                 | XDOZZ              | 02731       | 7-2621 10016-19    | •• Cable Assembly .....   | 1          |
| 12                 | XDOOO              | 02731       | 7-2621 10016-3     | •• Support, Upper .....   | 1          |
| 13                 | XAOZZ              | 02731       | 7-2621 10016-27    | ••• Spacer .....  | 1          |
| 14                 | XDOZZ              | 02731       | 7-2621 10016-5     | •• Support, Lower .....   | 1          |
| 15                 | XAOZZ              | 02731       | 7-2621 10016-29    | ••• Spacer .....  | 1          |
| 16                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 17                 | XDOOO              | 02731       | 7-2621 10077-19    | • Spreader Assembly .....   | 1          |
| 18                 | PAOZZ              | 96906       | MS21083C5          | •• Nut, Self-Locking, He .....  | 4          |
| 19                 | PAOZZ              | 80205       | NAS1149C0532R      | •• Washer, Flat .....   | 4          |
| 20                 | PAOZZ              | 80205       | NAS1351C5-28       | •• Screw, Cap, Socket He .....  | 4          |
| 21                 | XDOZZ              | 02731       | 7-2621 10077-17    | •• Locater .....  | 1          |
| 22                 | XDOZZ              | 02731       | 7-2621 10077-7     | •• Locater .....  | 1          |
| 23                 | XDOZZ              | 02731       | 7-2621 10077-9     | •• Locater .....  | 1          |
| 24                 | XDOZZ              | 02731       | HS306-323          | •• Washer, Flat .....   | 4          |
| 25                 | XDOZZ              | 02731       | 7-2621 10077-15    | •• Strap Assembly .....   | 1          |
| 26                 | XDOZZ              | 02731       | 7-2621 10077-1 1   | •• Plate .....  | 1          |
| 27                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-800D

Figure 735. Group 80 Kit, Sling Set (Part 6)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 735 Kit, Sling Set (Part 6)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOFF              | 02731       | 7-2621 10034       | • Puller, Sling, Main M/R .....   | 1          |
| 2                  | XDOZZ              | 80205       | NAS1306-12H        | •• Bolt, Shear .....  | 1          |
| 3                  | PAOZZ              | 96906       | MS35338-46         | •• Washer, Lock .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN970-6            | •• Washer, Flat .....   | 1          |
| 5                  | PAOZZ              | 80205       | NAS42HT12-48       | •• Spacer, Sleeve .....   | 1          |
| 6                  | XDOZZ              | 02731       | 7-2621 10034-1 1   | •• Plate .....  | 1          |
| 7                  | PAOZZ              | 80205       | NAS1515M10H        | •• Washer, Flat .....   | 2          |
| 8                  | XDOZZ              | 02731       | 7-2621 10034-3     | •• Jackscrew Assembly .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS16624-4050       | •• Ring, Retaining .....  | 2          |
| 10                 | PAOZZ              | 80205       | NAS1308-15         | •• Bolt, Shear .....  | 2          |
| 11                 | XDOZZ              | 02731       | 7-2621 10034-33    | •• Lanyard, Sling .....   | 2          |
| 12                 | XDOZZ              | 02731       | 7-2621 10034-27    | •• Clip .....   | 1          |
| 13                 | PAOZZ              | 96906       | MS51844-62         | •• Swaging Sleeve, Wire .....   | 1          |
| 14                 | XDFZZ              | 02731       | 7-2621 10034-5     | •• Support Assembly .....   | 1          |
| 15                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 16                 | XDOOO              | 02731       | 7-262120002-13     | • Retainer, Bearing .....   | 1          |
| 17                 | PAOZZ              | 80205       | NAS1091A30H        | •• Streamer, Warning .....  | 1          |
| 18                 | XAOZZ              | 02731       | HS5089-0001        | •• Coupler, Clamp Band .....  | 1          |
| 19                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS16624-4050       | •• Ring, Retaining .....  | 2          |
| 21                 | XDOZZ              | 02731       | 7-3621 10021       | • Sling Assembly .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-801D

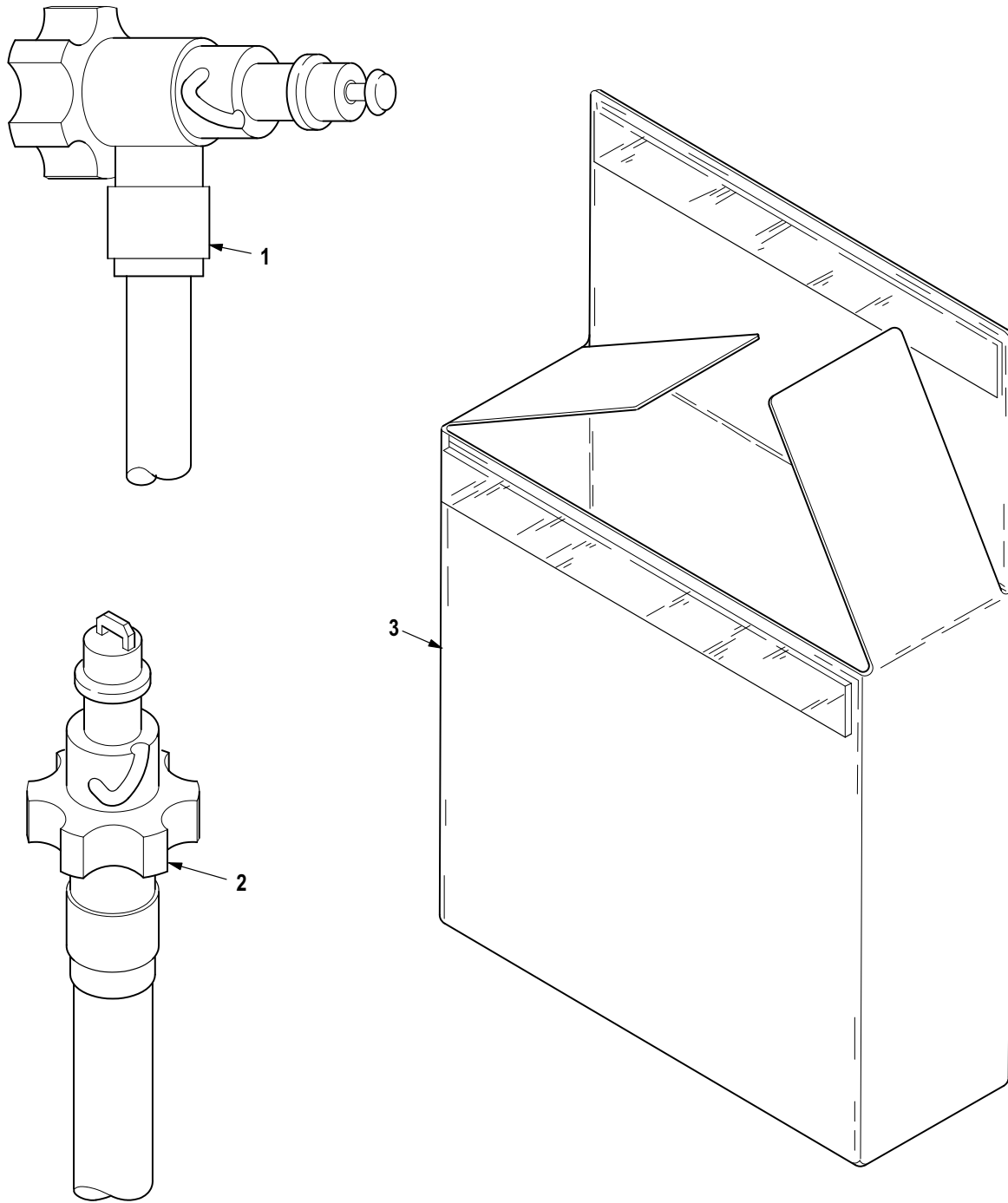
Figure 736. Group 80 Transmission Kit, Removal and Installation  
7-262100006-601



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 736 Transmission Kit,<br>Removal and Installation<br>7-262100006-601<br>See Fig. 714 for NHA |            |
| 1                  | PBOOO              | 02731       | 7-2621 10015       | • Jack Screw, Transmis BOI: 1 Auth for 10-25 Ships . . . . .  | 3          |
| 2                  | PAOZZ              | 96906       | MS16562-34         | •• Pin, Spring . . . . .  | 1          |
| 3                  | PAOZZ              | 02731       | 7-2621 10015-7     | •• Nut, Plain, Hexagon . . . . .  | 1          |
| 4                  | PAOZZ              | 02731       | 7-2621 10015-5     | •• Nut, Plain, Hexagon . . . . .  | 1          |
| 5                  | PAOZZ              | 02731       | 7-2621 10015-3     | •• Jack Screw . . . . .   | 1          |
| 6                  | XDOOO              | 02731       | 7-2621 10026       | • Box Assembly . . . . .  | 1          |
| 7                  | PAOZZ              | 02731       | HS5285-0420        | •• Nut, Plain, Plate . . . . .  | 20         |
| 8                  | PAOZZ              | 96906       | MS51959-84         | •• Screw, Machine . . . . .   | 20         |
| 9                  | PAOZZ              | 96906       | MS35791-1          | •• Handle, Bail . . . . .   | 4          |
| 10                 | PAOZZ              | 96906       | MS35493-53         | •• Screw, Wood . . . . .  | 8          |
| 11                 | XAOZZ              | 02731       | HS5397-0001        | •• Catch, Clamping . . . . .  | 2          |
| 12                 | PAOZZ              | 96906       | MS27968-8          | •• Hinge, Butt . . . . .  | 3          |
| 13                 | XDOZZ              | 02731       | 7-2621 10026-1 1   | •• Lid Assembly . . . . .   | 1          |
| 14                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio . . . . .   | 1          |
| 15                 | PAOZZ              | 96906       | MS35425-70         | •• Nut, Plain, Wing . . . . .   | 4          |
| 16                 | PAOZZ              | 88044       | AN960-416          | •• Washer, Flat . . . . .   | 4          |
| 17                 | PAOZZ              | 96906       | MS35751-202        | •• Bolt, Square Neck . . . . .  | 4          |
| 18                 | XDOOO              | 02731       | 7-2621 10026-21    | •• Box . . . . .  | 1          |
| 19                 | MFOZZ              | 02731       | 7-2621 10026-49    | ••• Latch . . . . .   | 2          |
| 20                 | MFOZZ              | 02731       | 7-2621 10026-53    | ••• Block, Base . . . . .   | 2          |
| 21                 | MFOZZ              | 02731       | 7-2621 10026-57    | ••• Pad, Rubber . . . . .   | 1          |
| 22                 | XDOOO              | 02731       | 7-3621 10014       | • Platform (See Fig. 737 for Breakdown) . . . . .   | 1          |
| 23                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood . . . . .   | 8          |
| 24                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp . . . . .  | 1          |
| 25                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio . . . . .  | 2          |
| END OF FIGURE      |                    |             |                    |   |            |



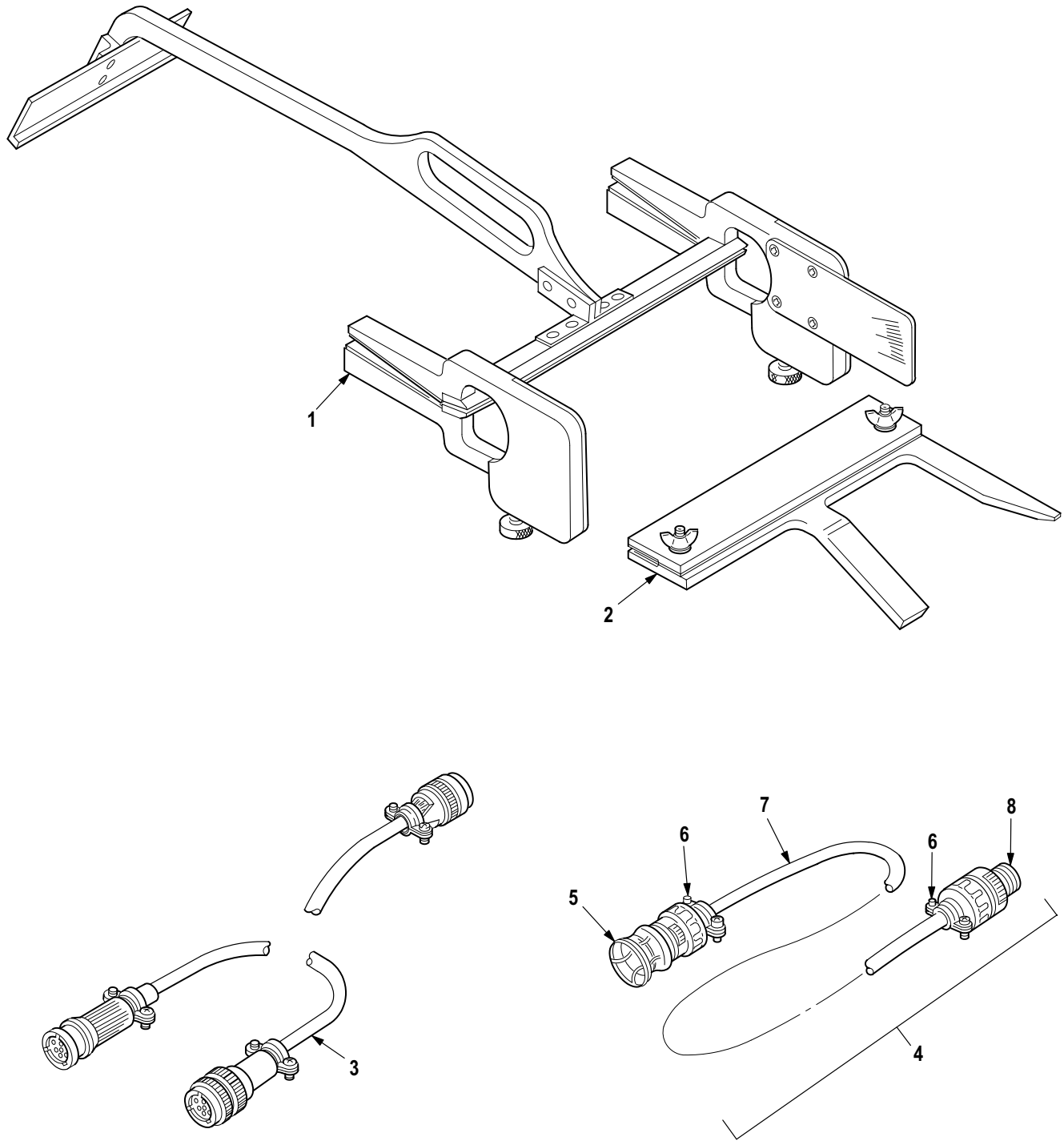
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 737 Platform, Main Transmission<br>Removal and Installation<br>7-3621 10014<br>See Fig. 736 for NHA |            |
| 1                  | MFOZZ              | 02731       | 7-3621 10014-19    | • Edge .....   | 1          |
| 2                  | MFOZZ              | 02731       | 7-3621 10014-41    | • Edge .....   | 1          |
| 3                  | MFOZZ              | 02731       | 7-3621 10014-25    | • Edge .....   | 1          |
| 4                  | PAOZZ              | 88044       | AN43B6             | • Bolt, Eye .....  | 1          |
| 5                  | PAOZZ              | 80205       | NAS620C5           | • Washer, Flat .....   | 2          |
| 6                  | PAOZZ              | 02731       | HS1439B060HS-3     | • Chain Assembly, Sing .....   | 1          |
| 7                  | PAOZZ              | 96906       | MS51830-202        | • Insert, Screw Thread .....   | 1          |
| 8                  | XAOZZ              | 02731       | 7-3621 10014-27    | • Doubler .....  | 1          |
| 9                  | XAOZZ              | 02731       | 7-3621 10014-3     | • Plate, Base .....  | 1          |
| 10                 | MFOZZ              | 02731       | 7-3621 10014-5     | • Edge .....   | 1          |
| 11                 | MFOZZ              | 02731       | 7-3621 10014-7     | • Edge .....   | 1          |
| 12                 | MFOZZ              | 02731       | 7-3621 10014-9     | • Edge .....   | 1          |
| 13                 | XAOZZ              | 02731       | 7-3621 10014-37    | • Support .....  | 2          |
| 14                 | XAOZZ              | 02731       | 7-3621 10014-33    | • Clip .....   | 2          |
| 15                 | XAOZZ              | 02731       | 7-3621 10014-35    | • Stiffener .....  | 2          |
| 16                 | XDOZZ              | 02731       | 7-362120043        | • Support .....  | 1          |
| 17                 | MFOZZ              | 02731       | 7-362120043-5      | • Pad .....  | 1          |
| 18                 | PAOZZ              | 02731       | 7-3621 10014-29    | • Bracket, Platform, Ma .....  | 1          |
| 19                 | XDOOO              | 02731       | 7-362120045        | • Support Assembly .....   | 1          |
| 20                 | MFOZZ              | 02731       | 7-362120045-7      | • Pad .....  | 1          |
| 21                 | PAOZZ              | 80205       | NAS1334A5C19D      | • Pin, Quick Release .....   | 1          |
| 22                 | PAOZZ              | 02731       | HS1439B080H-3      | • Chain Assembly, Sing .....   | 1          |
| 23                 | XDOZZ              | 02731       | 7-362120044        | • Support .....  | 1          |
| 24                 | MFOZZ              | 02731       | 7-362120044-5      | • Pad .....  | 1          |
| 25                 | MFOZZ              | 02731       | 7-3621 10014-13    | • Edge .....   | 1          |
| 26                 | MFOZZ              | 02731       | 7-3621 10014-15    | • Edge .....   | 1          |
| 27                 | MFOZZ              | 02731       | 7-3621 10014-17    | • Edge .....   | 1          |
| 28                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....   | 1          |
| 29                 | MFOZZ              | 02731       | 7-3621 10014-39    | • Edge .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-803

Figure 738. Group 80 Kit, Lube Drain Hose  
7-262100007

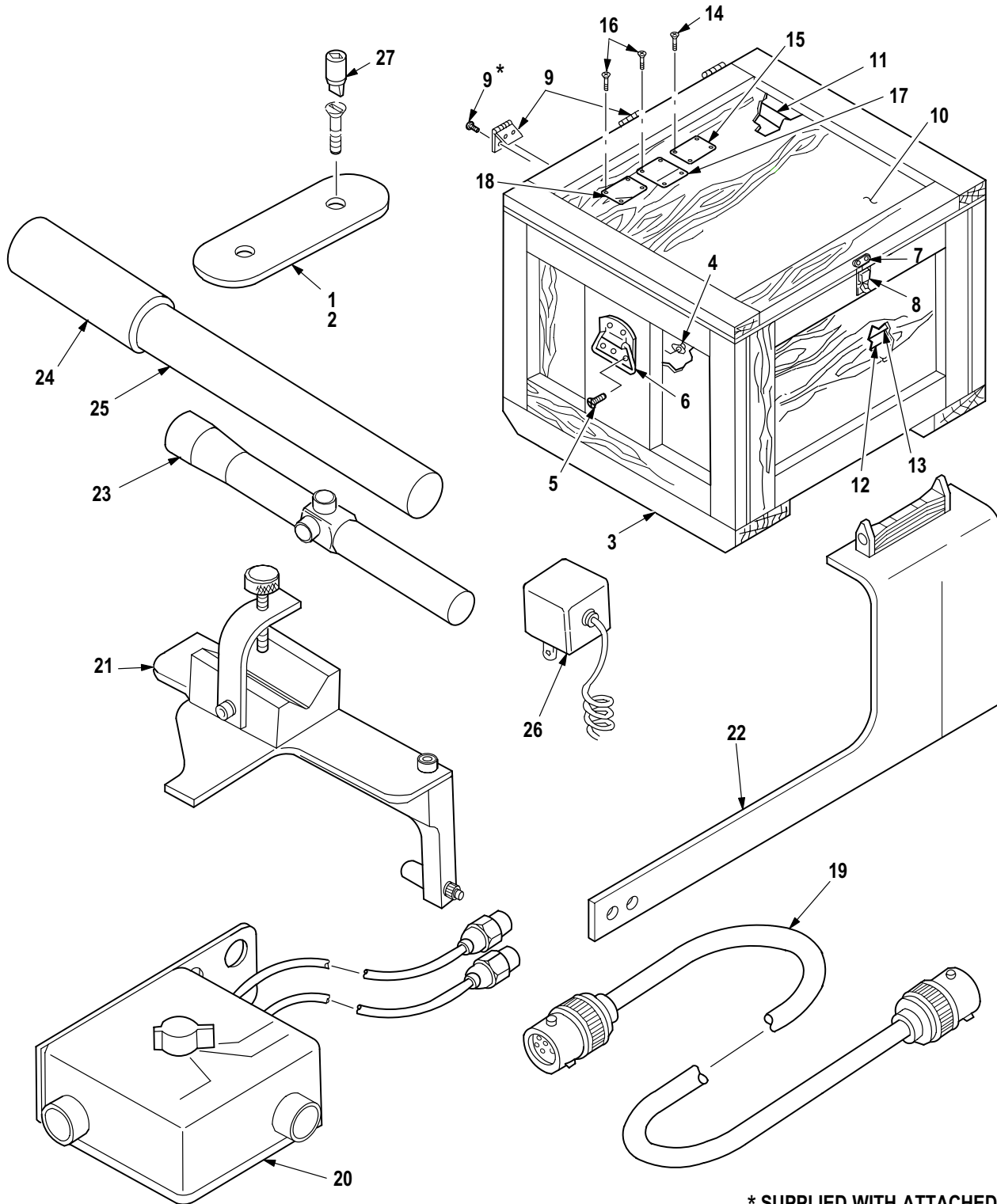
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 738 Kit, Lube Drain Hose<br>7-262100007<br>See Fig. 714 for NHA |            |
| 1                  | XDOZZ              | 02731       | HS5204-1-8000      | • Hose Assembly .....  | 1          |
| 2                  | XDOZZ              | 02731       | HS4393-1-8400      | • Hose Assembly .....  | 1          |
| 3                  | PAFZZ              | 02731       | 7-2621 10050       | • Pouch, Lube Drain Ho .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-804F

Figure 739. Group 80 Test Equipment, Helicopter (Part 1)  
7-262100008-613

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 739 Test Equipment, Helicopter (Part 1)<br>7-262100008-613<br>See Fig. 715 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-3621 10224-41    | • Gage (See Fig. 741 for Breakdown) .....   | 1          |
| 2                  | XDOOO              | 8V613       | 7-3621 10224-43    | • Tab Bending Tool, Ma (See Fig. 741 for Breakdown) .....   | 1          |
| 3                  | XDOZZ              | 02731       | 7-3621 10211       | • Adapter, Pwr Cord Tr .....  | 1          |
| 4                  | MFOFF              | 02731       | 7-362100092        | • Cable Assy, Extensio .....  | 1          |
| 5                  | PAFZZ              | 96906       | MS3107A16S1SC      | •• Connector, Plug, Elec .....  | 1          |
| 6                  | PAFZZ              | 81349       | M85049/2-8C        | •• Clamp, Cable, Electri .....  | 2          |
| 7                  | MFFZZ              | 81349       | WM85/U             | •• Cable, Special Purpo .....   | V          |
| 8                  | PAFZZ              | 96906       | MS3451W16S-1S      | •• Connector, Plug, Elec .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



\* SUPPLIED WITH ATTACHED ITEM

M09-805F

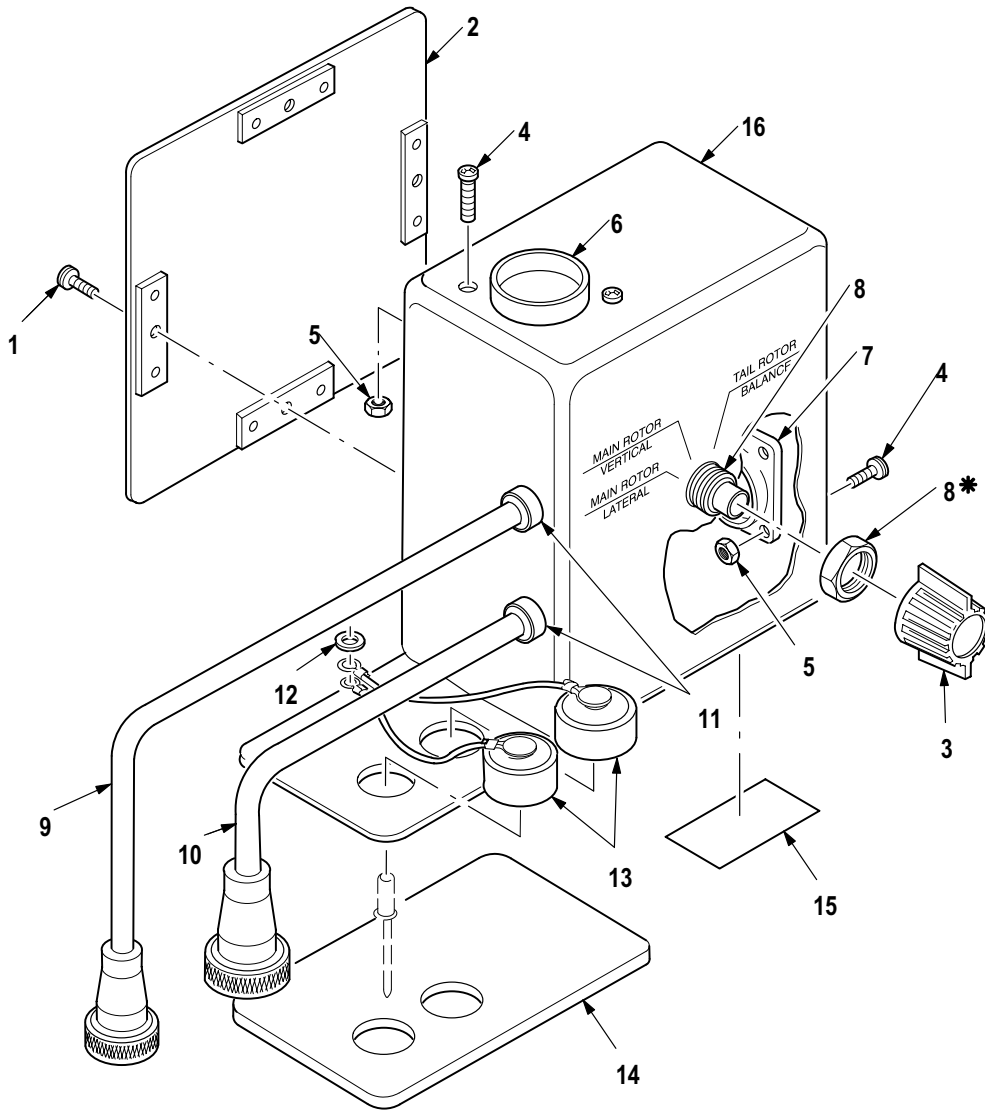
Figure 740. Group 80 Test Equipment, Helicopter (Part 2)  
7-262100008-613



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 740 Test Equipment, Helicopter (Part 2)<br>7-262100008-613<br>See Fig. 715 for NHA |            |
| 1                  | PAOZZ              | 02731       | 7-2621 10071-3     | • Weight, Counterbalan .....  | 50         |
| 2                  | PAOZZ              | 02731       | 7-2621 10071-5     | • Weight, Counterbalan .....  | 10         |
| 3                  | XDFFF              | 02731       | 7-2621 10073-605   | • Container .....   | 1          |
| 4                  | PAFZZ              | 02731       | HS5285-1032        | •• Nut, Plain, Plate .....  | 10         |
| 5                  | PAFZZ              | 96906       | MS51960-70         | •• Screw, Machine .....   | 10         |
| 6                  | PAFZZ              | 96906       | MS35791-1          | •• Handle, Bail .....   | 2          |
| 7                  | PAFZZ              | 96906       | MS35493-53         | •• Screw, Wood .....  | 4          |
| 8                  | PAFZZ              | 02731       | HS5397-0001        | •• Catch, Clamping .....  | 1          |
| 9                  | PAFZZ              | 96906       | MS27968-4          | •• Hinge, Butt .....  | 3          |
| 10                 | XDFZZ              | 02731       | 7-2621 10073-5     | • Lid Assembly .....  | 1          |
| 11                 | XDFZZ              | 02731       | 7-2621 10073-43    | • Spacer .....  | 4          |
| 12                 | XDFZZ              | 02731       | 7-2621 10073-67    | • Insert .....  | 1          |
| 13                 | XDFZZ              | 02731       | 7-2621 10073-39    | • Pad .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS35495-2          | •• Screw, Wood .....  | 4          |
| 15                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 16                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....   | 4          |
| 17                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....  | 1          |
| 18                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....  | 1          |
| 19                 | XDOZZ              | 02731       | 7-2621 10080       | • Cable, Adapter .....  | 1          |
| 20                 | XDOFF              | 02731       | 7-2621 10082       | • Box Assy, Switch (See Fig. 742 for Breakdown) .....   | 1          |
| 21                 | XDOOO              | 02731       | 7-3621 10225-19    | • Phase Tool Assembly (See Fig. 743 for Breakdown) .....  | 1          |
| 22                 | XDOZZ              | 02731       | 7-3621 10225-3     | • Target Assembly .....   | 1          |
| 23                 | PAOZZ              | 02731       | HS5462-0001        | • Telescope, Straight .....   | 1          |
| 24                 | PAOZZ              | 54489       | 100B               | • Battery Assembly .....  | 1          |
| 25                 | PAOZZ              | 54489       | LFS250-1           | • Laser, Solid State .....  | 1          |
| 26                 | PAOZZ              | 54489       | 100D               | • Transformer, Power .....  | 1          |
| 27                 | PBOZZ              | 73197       | HTS3               | • Screwdriver, Attachm .....  | V          |
| END OF FIGURE      |                    |             |                    |   |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 741 Tab Bending Tool and Gage<br>See Fig. 739 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-3621 10224-41    | • Gage .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS514P832-12      | •• Screw, Machine .....  | 4          |
| 3                  | XAOZZ              | 8V613       | 7-3621 10224-3     | •• Arm, Tab Bending Too .....  | 1          |
| 4                  | PAOZZ              | 96906       | MS24693-S51        | •• Screw, Machine .....  | 6          |
| 5                  | XDOOO              | 8V613       | 7-3621 10224-7     | •• Adapter, Front .....  | 1          |
| 6                  | PAOZZ              | 96906       | MS51830-104        | ••• Insert, Screw Thread .....   | 4          |
| 7                  | XDOZZ              | 8V613       | 7-3621 10224-5     | •• Stop, Tab Bending To .....  | 1          |
| 8                  | XDOOO              | 8V613       | 7-3621 10224-9     | •• Adapter, Rear .....   | 1          |
| 9                  | PAOZZ              | 96906       | MS51830-104        | ••• Insert, Screw Thread .....   | 6          |
| 10                 | PAOZZ              | 80205       | NAS514P832-8       | •• Screw, Machine .....  | 8          |
| 11                 | PAOZZ              | 80205       | NAS514P440-7       | •• Screw, Machine .....  | 4          |
| 12                 | PAOZZ              | 80205       | NAS514P440-8P      | •• Screw, Machine .....  | 8          |
| 13                 | PAOZZ              | 02731       | HS5137-0420        | •• Thumbscrew .....  | 2          |
| 14                 | XDOZZ              | 8V613       | 7-3621 10224-17    | •• Placard, Tab Bending .....  | 1          |
| 15                 | XDOOO              | 8V613       | 7-3621 10224-47    | •• Arm Clamp .....   | 2          |
| 16                 | PAOZZ              | 96906       | MS51830-102        | ••• Insert, Screw Thread .....   | 1          |
| 17                 | MOOZZ              | 8V613       | 7-3621 10224-35    | ••• Pad, Housing Arm .....   | 1          |
| 18                 | PAOZZ              | 80205       | NAS607-3-5P        | ••• Pin, Straight, Headle .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS607-2-5         | ••• Pin, Straight, Headle .....  | 1          |
| 20                 | XDOZZ              | 8V613       | 7-3621 10224-45    | •• Bar Clamp .....   | 2          |
| 21                 | XDOOO              | 8V613       | 7-3621 10224-49    | •• Housing Arm .....   | 2          |
| 22                 | PAOZZ              | 96906       | MS51830-102        | ••• Insert, Screw Thread .....   | 5          |
| 23                 | PAOZZ              | 96906       | MS51830-104        | ••• Insert, Screw Thread .....   | 4          |
| 24                 | MOOZZ              | 8V613       | 7-3621 10224-55    | ••• Pad, Housing Arm .....   | 1          |
| 25                 | PAOZZ              | 80205       | NAS607-3-5         | ••• Pin, Straight, Headle .....  | 1          |
| 26                 | MOOZZ              | 8V613       | 7-3621 10224-29    | •• Pad, Rubber .....   | 2          |
| 27                 | XDOZZ              | 8V613       | 7-3621 10224-19    | •• Cover .....   | 2          |
| 28                 | XDOOO              | 8V613       | 7-3621 10224-43    | • Tab Bending Tool, Ma .....   | 1          |
| 29                 | PAOZZ              | 96906       | MS35426-27         | •• Nut, Plain, Wing .....  | 2          |
| 30                 | PAOZZ              | 88044       | AN960C416L         | •• Washer, Flat .....  | 4          |
| 31                 | PAOZZ              | 8V613       | 7-3621 10224-39    | •• Stud, Shouldered .....  | 1          |
| 32                 | XDOOO              | 8V613       | 7-3621 10224-53    | •• Plate Clamp .....   | 1          |
| 33                 | XDOZZ              | 8V613       | 7-3621 10224-37    | •• Spacer, Plate .....   | 2          |
| 34                 | PAOZZ              | 80205       | MS21042-4          | •• Nut, Self-Locking, Ex .....   | 2          |
| 35                 | XDOOO              | 8V613       | 7-3621 10224-51    | •• Handle Clamp .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

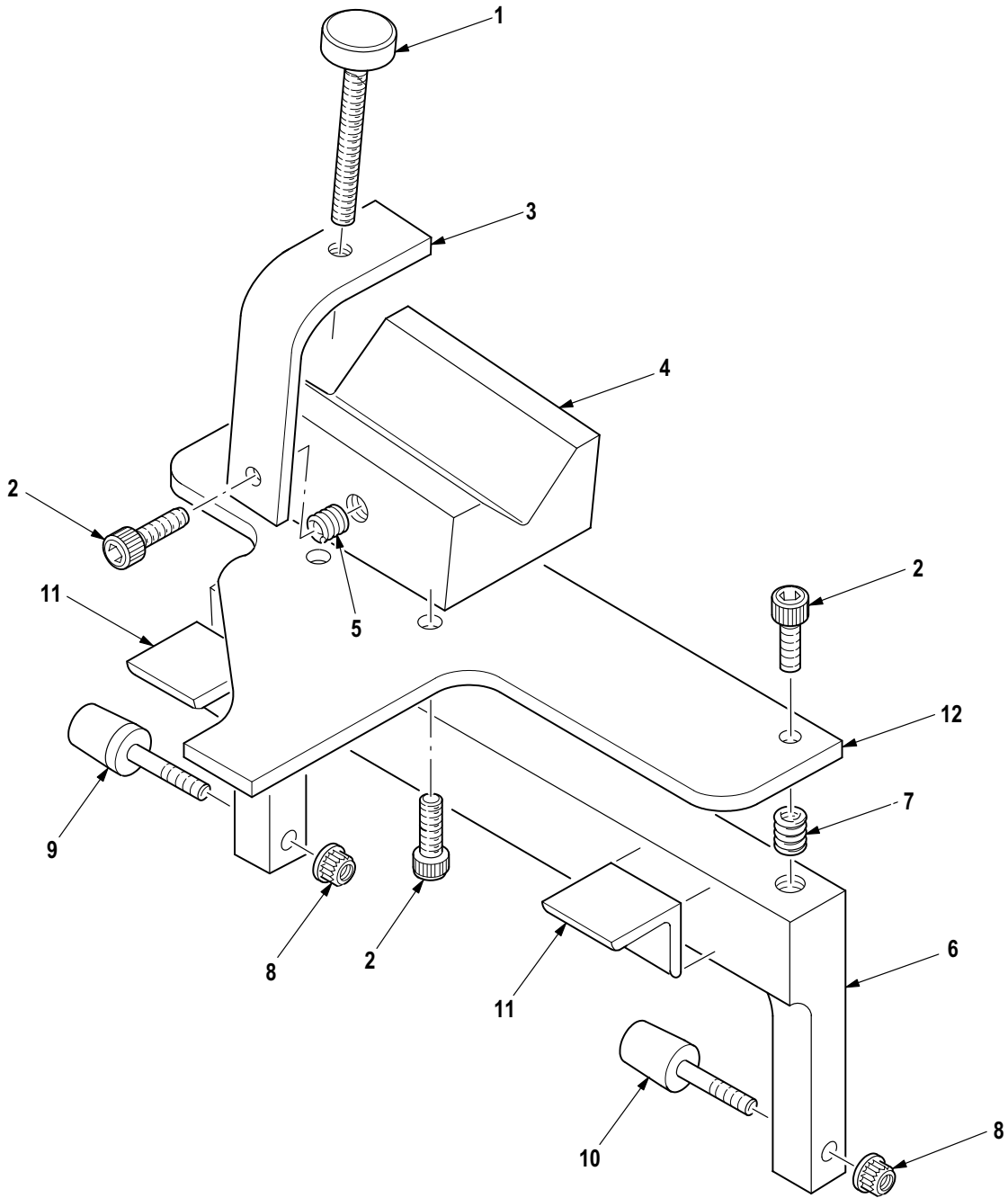


\* SUPPLIED WITH ATTACHED ITEM

M09-1214B

Figure 742. Group 80 Box Assembly, Switch, Rotor Track and Balance Kit  
7-2621 10082, (P/N B6517 (99866))

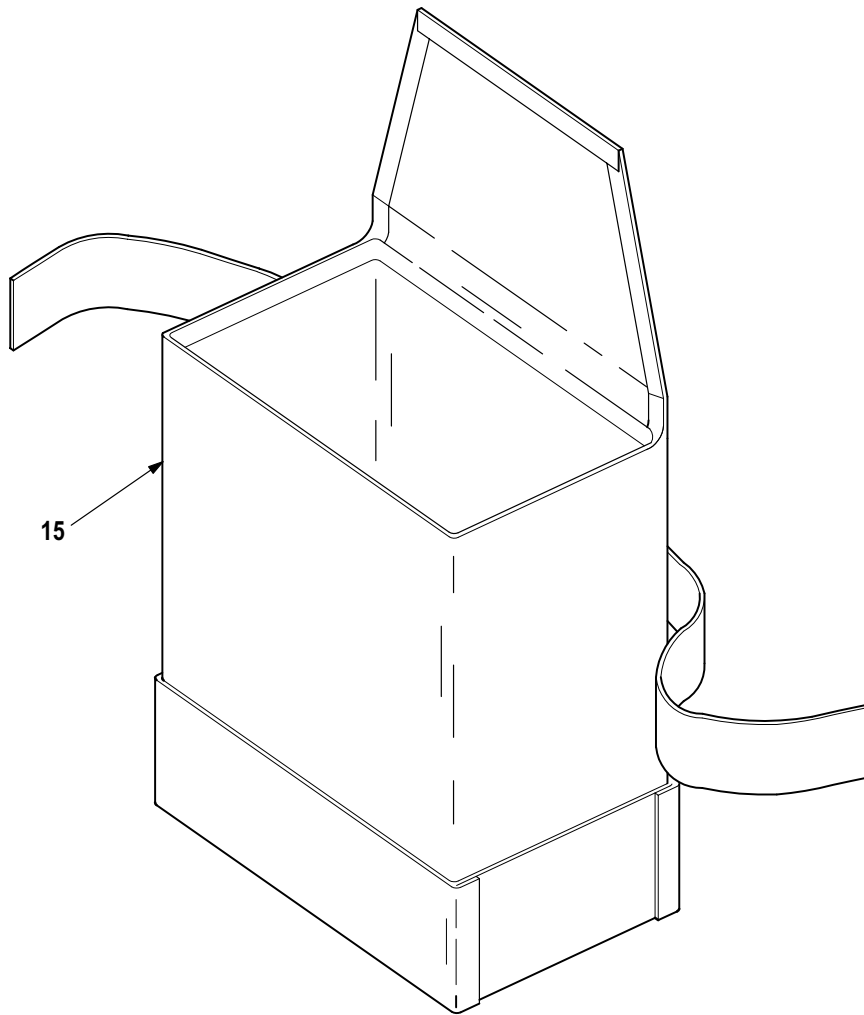
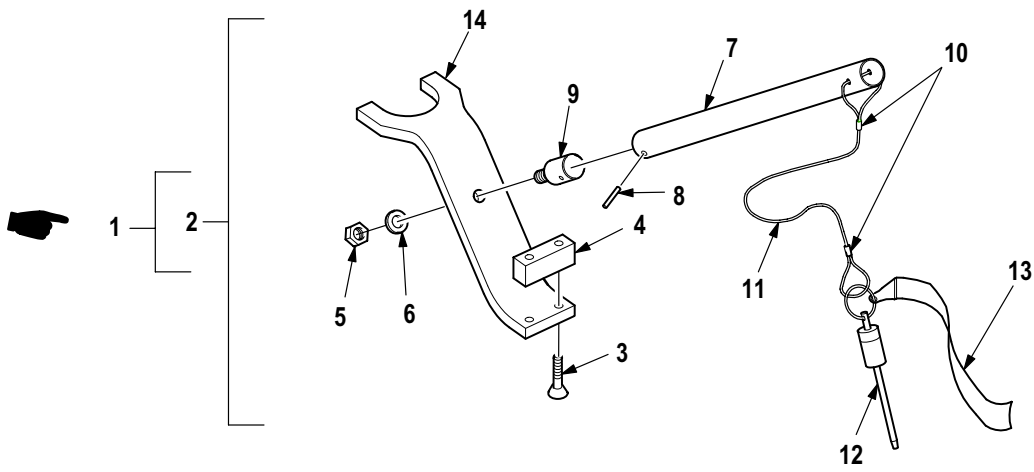
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools}}<br>Fig. 742 Box Assembly, Switch,<br>Rotor Track and Balance Kit<br>7-2621 10082<br>(P/N B6517 (99866))<br>See Fig. 740 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS51957-42         | • Screw, Machine .....   | 4          |
| 2                  | XAFZZ              | 99866       | 7633               | • Cover .....  | 1          |
| 3                  | XDFZZ              | 32767       | 106                | • Knob, Dual Pointer .....   | 1          |
| 4                  | PAFZZ              | 96906       | MS51957-15         | • Screw, Machine .....   | 6          |
| 5                  | XDFZZ              | 78189       | 511-041800-00      | • Nut .....  | 8          |
| 6                  | PAFZZ              | 96906       | MS3452W16-1 1S     | • Connector, Receptacl .....   | 1          |
| 7                  | PAFZA              | 96906       | MS3470W14-15P      | • Connector, Receptacl .....   | 1          |
| 8                  | XDFZZ              | 60525       | 44H30-01-1-03N-F   | • Switch, Rotary .....   | 1          |
| 9                  | XDFZZ              | 99866       | 6300-1             | • Cable Assy .....   | 1          |
| 10                 | XDFZZ              | 99866       | 6301-1             | • Cable Assy .....   | 1          |
| 11                 | XDFZZ              | 83330       | 937                | • Bushing .....  | 2          |
| 12                 | XDFZZ              | 39428       | 90126A007          | • Washer .....   | 1          |
| 13                 | PAFZZ              | 96906       | MS25043-10DA       | • Cover, Electrical Co .....   | 2          |
| 14                 | XDOZZ              | 96906       | 6255               | • Pad, Rubber .....  | 1          |
| 15                 | XAFZZ              | 39428       | 2863               | • Plate, Identificatio .....   | 1          |
| 16                 | XDFZZ              | 99866       | 7562               | • Housing .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1239A

Figure 743. Group 80 Phase Tool Assembly  
7-3621 10225-19

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 743 Phase Tool Assembly<br>7-3621 10225-19<br>See Fig. 740 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS5137-0420        | • Thumbscrew .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS1351-3-8        | • Screw, Cap, Socket He .....   | 5          |
| 3                  | XDOZZ              | 02731       | 7-3621 10225-1 1   | • Clamp .....   | 1          |
| 4                  | XDOOO              | 02731       | 7-3621 10225-9     | • 5 Degree V-Block .....  | 1          |
| 5                  | PAOZZ              | 80205       | NAS1394-3          | •• Insert, Screw Thread .....   | 3          |
| 6                  | XAOOO              | 02731       | 7-3621 10225-5     | • Leg Assembly .....  | 2          |
| 7                  | PAOZZ              | 80205       | NAS1394-3          | •• Insert, Screw Thread .....   | 2          |
| 8                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....   | 2          |
| 9                  | XDOZZ              | 02731       | 7-3621 10225-17    | • Tapered Guide .....   | 1          |
| 10                 | XDOZZ              | 02731       | 7-3621 10225-15    | • Guide .....   | 1          |
| 11                 | XDOZZ              | 02731       | HS1003DD12-100     | • Angle, Extruded .....   | 2          |
| 12                 | XDOZZ              | 02731       | 7-3621 10225-7     | • Plate .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

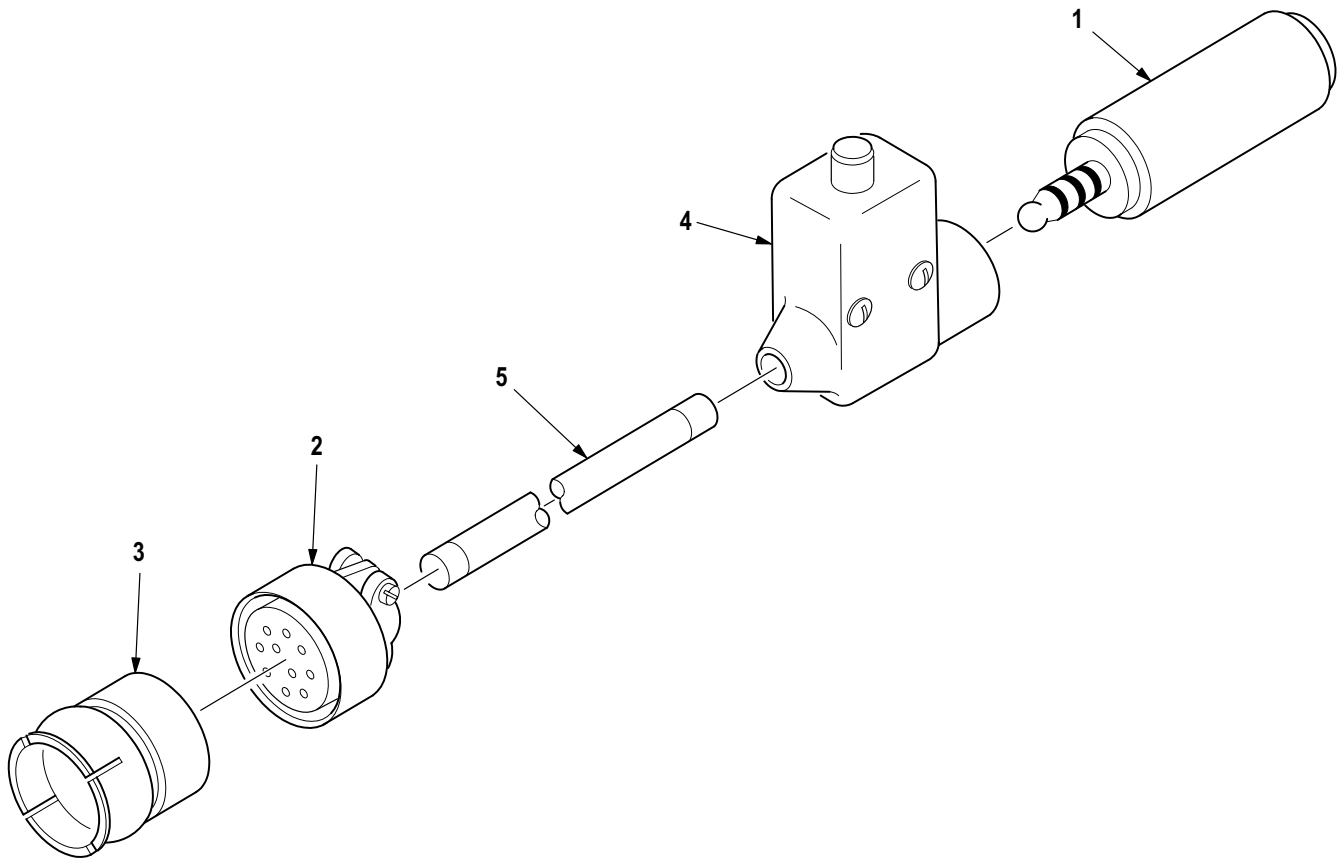


M09-1240A

Figure 744. Group 80 Kit, Ground Lock PGS



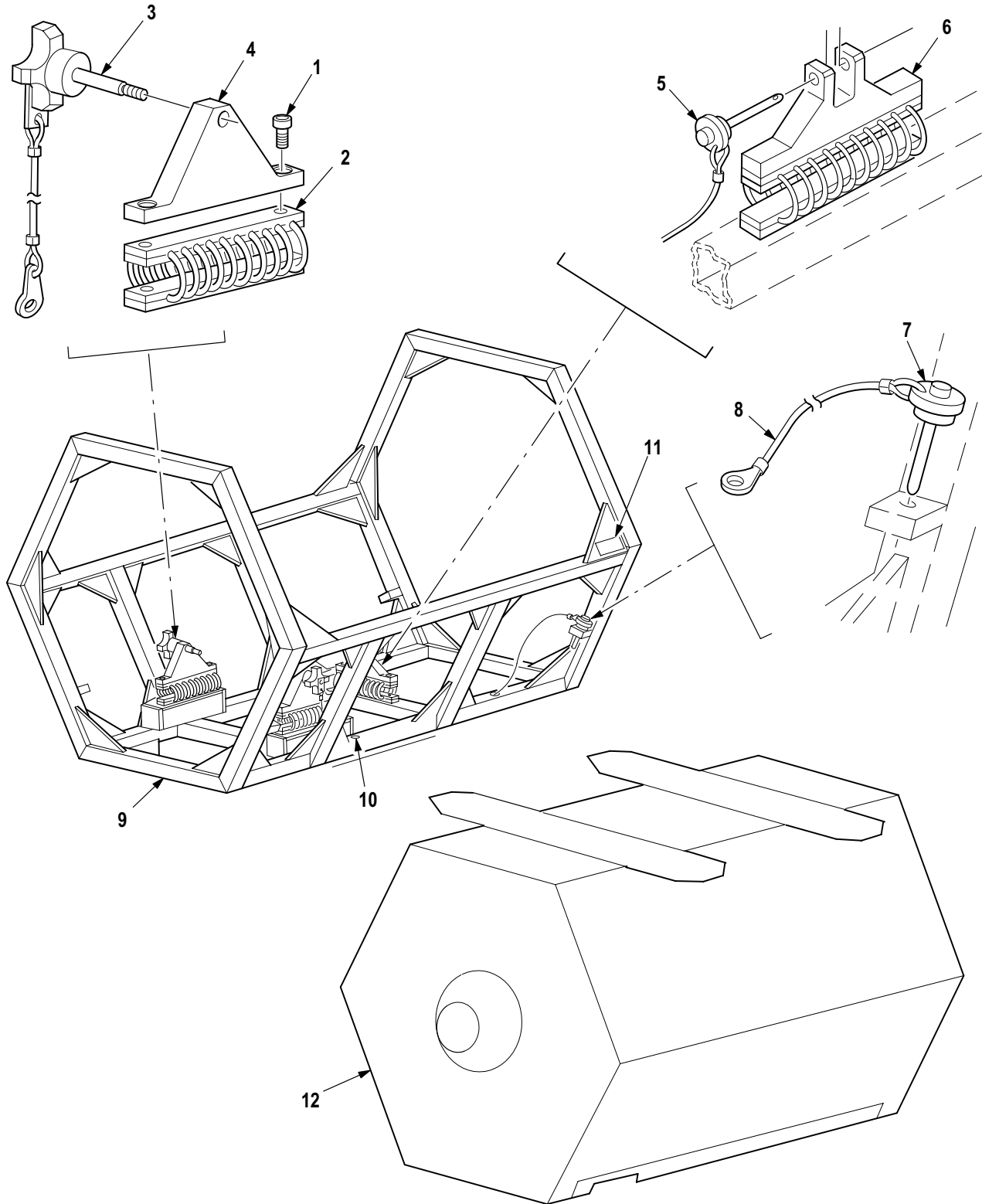
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 744 Kit, Ground Lock PGS |            |
| 1                  | PEOOO              | 8V613       | 7-362100057-1      | • Maintenance Kit, Air .....                            | 4          |
| 2                  | PAOOO              | 8V613       | 7-362120178-1      | •• Pedal, Position Fixt .....                           | 1          |
| 3                  | XDOZZ              | 96906       | MS24693-51B        | ••• Screw, Machine .....                                | 2          |
| 4                  | XDOZZ              | 8V613       | 7-362120178-5      | ••• Stop Block .....                                    | 1          |
| 5                  | XDOZZ              | 80205       | MS21042L4          | ••• Nut, Self-Locking, Ex .....                         | 1          |
| 6                  | XDOZZ              | 88044       | AN960-416L         | ••• Washer, Flat .....                                  | 1          |
| 7                  | XDOZZ              | 8V613       | 7-362120178-7      | ••• Handle .....  | 1          |
| 8                  | XDOZZ              | 96906       | MS16562-215        | ••• Pin, Spring .....                                   | 1          |
| 9                  | XDOZZ              | 8V613       | 7-362120178-9      | ••• Thread Plug .....                                   | 1          |
| 10                 | XDOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....                          | 2          |
| 11                 | MOOZZ              | 8V613       | 7-362120178-1 1    | ••• Lanyard .....                                       | 1          |
| 12                 | XDOZZ              | 96906       | MS17990C330        | ••• Pin, Quick Release .....                            | 1          |
| 13                 | XDOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                             | 1          |
| 14                 | XDOZZ              | 8V613       | 7-362120178-3      | ••• Stop .....  | 1          |
| 15                 | PAOZZ              | 8V613       | 7-3621 10227-1     | •• Bag, Textile .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-807B

Figure 745. Group 80 Cord Assembly, Electrical  
7-262100009-601

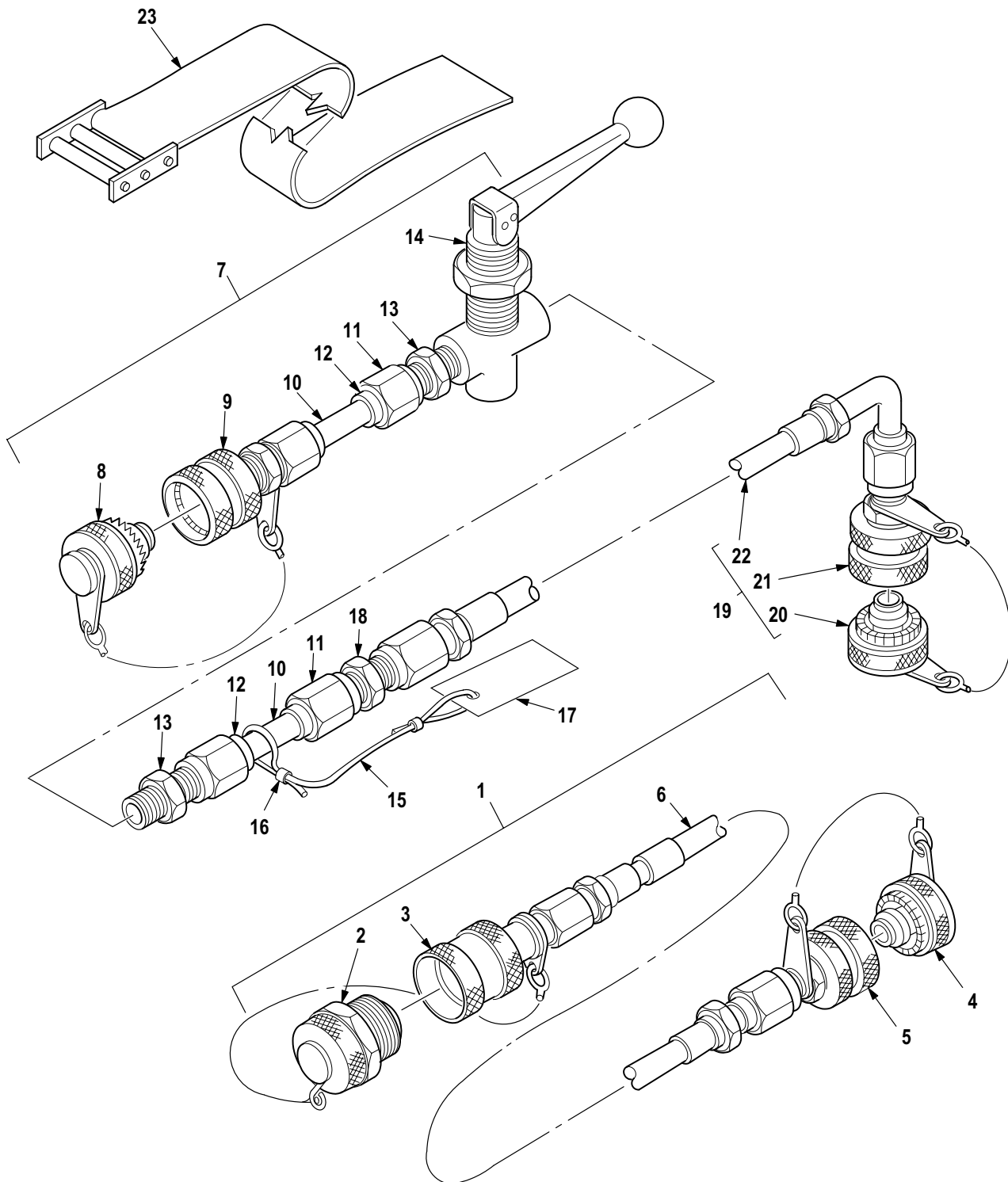
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 745 Cord Assembly, Electrical<br>7-262100009-601<br>See Fig. 715 for NHA |            |
| 1                  | PAFZZ              | 02731       | 7-3621 10093-3     | • Adapter, Microphone .....   | 1          |
| 2                  | PAFZZ              | 81349       | M85049/2-8C        | • Clamp, Cable, Electri .....   | 1          |
| 3                  | PAFZA              | 77820       | 97-3107A16S-1P     | • Connector, Plug, Elec .....   | 1          |
| 4                  | PAFZZ              | 81349       | M9177/5-2          | • Connector-Switch .....  | 1          |
| 5                  | PAFZZ              | 81349       | WM85/U             | • Cable, Special Purpo .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-808A

Figure 746. Group 80 Maintenance Platform, APU  
7-262100010

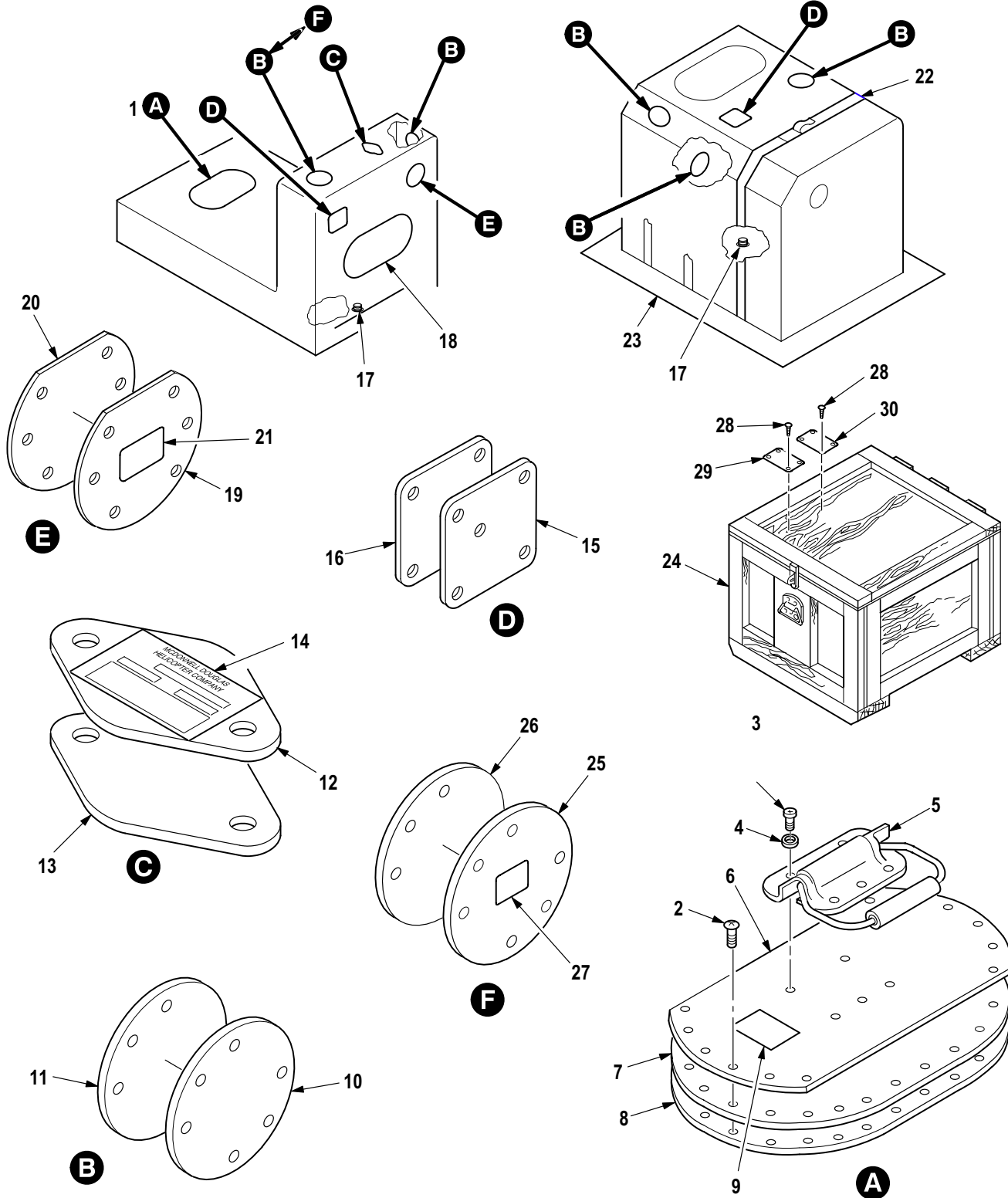
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 746 Maintenance Platform, APU<br>7-262100010<br>See Fig. 715 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS16995-49         | • Screw, Cap, Socket He .....   | 12         |
| 2                  | XDFZZ              | 02731       | HS5092-0002        | • Rope, Wire .....  | 3          |
| 3                  | XDFZZ              | 02731       | 7-262100010-5      | • Knob Assembly .....   | 2          |
| 4                  | XDFZZ              | 02731       | 7-262100010-35     | • Support, Front .....  | 2          |
| 5                  | PAFZZ              | 96906       | MS17984C410        | • Pin, Quick Release .....  | 1          |
| 6                  | XDFZZ              | 02731       | 7-262100010-37     | • Support, Rear .....   | 1          |
| 7                  | PAFZZ              | 02731       | HS4372B6-07C       | • Pin, Quick Release .....  | 4          |
| 8                  | PAFZZ              | 02731       | HS4494-4800        | • Wire Rope Assembly, .....   | 5          |
| 9                  | XAFZZ              | 02731       | 7-262100010-3      | • Weldment .....  | 1          |
| 10                 | XDFZZ              | 80205       | NAS1330C5K181      | • Nut Plain Blind .....   | 2          |
| 11                 | XDOZZ              | 02731       | HS4709-2           | • Nameplate, General, P .....   | 1          |
| 12                 | XDFZZ              | 02731       | 7-2621 10072       | • Cover, Protective .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-809A

Figure 747. Group 80 Kit, Hydraulic Hoses  
7-262100019-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 747 Kit, Hydraulic Hoses<br>7-262100019-601<br>See Fig. 715 for NHA |            |
| 1                  | XDOOD              | 02731       | 7-2621 10083       | • Hose, Nonmetallic .....  | 2          |
| 2                  | XDOZZ              | 02731       | HS5244-0004        | •• Plug, Dust .....  | 1          |
| 3                  | XDOZZ              | 02731       | HS5243-0304        | •• Coupler, Qd .....   | 1          |
| 4                  | XDOZZ              | 02731       | HS5419-0004        | •• Plug, Dust .....  | 1          |
| 5                  | XDOZZ              | 02731       | HS5418-0004        | •• Nipple, Quick-Diconn .....  | 1          |
| 6                  | XAOZZ              | 02731       | HS4408AA4-4800     | •• Hose .....  | 1          |
| 7                  | XDOOD              | 02731       | 7-2621 10084       | • Valve Assembly, Hydr .....   | 4          |
| 8                  | XDOZZ              | 02731       | HS5197-0004        | •• Plug, Dust .....  | 1          |
| 9                  | XDOZZ              | 00624       | AE9869E            | •• Coupling Assembly, Q .....  | 1          |
| 10                 | XDOZZ              | 02731       | 7-2621 10084-3     | •• Tubing, Ext .....   | 2          |
| 11                 | PAOZZ              | 96906       | MS21921-4J         | •• Nut, Tube Coupling .....  | 4          |
| 12                 | PAOZZ              | 96906       | MS21922-4          | •• Sleeve, Clinch, Tube .....  | 4          |
| 13                 | XDOZZ              | 02731       | HS4508-4C4         | •• Adapter, Flareless .....  | 2          |
| 14                 | XDOZZ              | 02731       | HS5280-0004        | •• Valve, Shut-Off .....   | 1          |
| 15                 | MFOZZ              | 02731       | 7-2621 10084-5     | •• Cable .....   | 1          |
| 16                 | XAOZZ              | 96906       | MS51844-82         | •• Swaging Sleeve, Wire .....  | 2          |
| 17                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS21902-4J         | •• Nipple, Boss .....  | 1          |
| 19                 | XAOZZ              | 02731       | 7-262120038        | •• Hose, Hydraulic .....   | 1          |
| 20                 | XDOZZ              | 02731       | HS5197-0004        | ••• Plug, Dust .....   | 1          |
| 21                 | XDOZZ              | 00624       | AE9869E            | ••• Coupling Assembly, Q .....   | 1          |
| 22                 | XDOZZ              | 02731       | HS4408AC4-1200     | ••• Hose Assy, Hyd .....   | 1          |
| 23                 | XDOZZ              | 02731       | 7-3621 10088       | • Strap, Retaining .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-810G

Figure 748. Group 80 Kit, Fuel Cell Removal and Installation  
7-262100016-601



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 748 Kit, Fuel Cell Removal and Installation<br>7-262100016-601<br>See Fig. 715 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10066       | • Plate Assembly FWD .....  | 1          |
| 2                  | XDOZZ              | 02731       | HS4103-12D5.5      | •• Screw, Machine .....   | 12         |
| 3                  | PAOZZ              | 96906       | MS27039C1-05       | •• Screw, Machine .....   | 5          |
| 4                  | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....   | 5          |
| 5                  | PAOZZ              | 96906       | MS18012-3          | •• Handle, Bail .....   | 1          |
| 6                  | XAOZZ              | 02731       | 7-262120019        | •• Plate .....  | 1          |
| 7                  | XDOZZ              | 02731       | 7-262120020        | •• Plate Assembly .....   | 1          |
| 8                  | MFOZZ              | 02731       | 7-262120020-7      | ••• Gasket .....  | 1          |
| 9                  | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 10                 | XDOOO              | 02731       | 7-2621 10045-601   | • Plate Assembly Vent Valve/Gravity Feed Filler .....   | 8          |
| 11                 | MFOZZ              | 02731       | 7-2621 10045-9     | •• Gasket .....   | 1          |
| 12                 | XDOOO              | 02731       | 7-3621 10087       | • Plate Assembly Breakaway Valve .....  | 1          |
| 13                 | MFOZZ              | 02731       | 7-3621 10087-5     | •• Gasket .....   | 1          |
| 14                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 15                 | XDOOO              | 02731       | 7-2621 10058-601   | • Plate Assembly Breakaway Valve 90 Degree Swivel .....   | 1          |
| 16                 | MFOZZ              | 02731       | 7-2621 10058-9     | •• Gasket .....   | 1          |
| 17                 | PAOZZ              | 96906       | MS24404S6          | • Plug, Tube Fitting, T .....   | 1          |
| 18                 | XDOOO              | 02731       | 7-2621 10065       | • Plate Assembly Fuel Cell Access<br>(See Fig. 749 for Breakdown) .....   | 1          |
| 19                 | XDOZZ              | 02731       | 7-2621 10056-601   | • Plate Assembly Breakaway Valve 45 Degree Swivel .....   | 1          |
| 20                 | MFOZZ              | 02731       | 7-2621 10056-9     | •• Gasket .....   | 1          |
| 21                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 22                 | XDOZZ              | 02731       | 7-2621 10043       | • Strap Assembly .....  | 3          |
| 23                 | XDOZZ              | 02731       | 7-2621 10022       | • Blanket .....   | 1          |
| 24                 | XDOOO              | 02731       | 7-2621 10068-601   | • Box Assembly (See Fig. 750 for Breakdown) .....   | 1          |
| 25                 | XDOOO              | 02731       | 7-2621 10045-603   | • Plate Assembly (U/W FWD Fuel Cell With 3/16 Inch<br>Diameter Pin Protruding) .....                                  | 1          |
| 26                 | MFOZZ              | 02731       | 7-2621 10045-13    | •• Gasket .....   | 1          |
| 27                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| 28                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....   | 12         |
| 29                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....  | 1          |
| 30                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

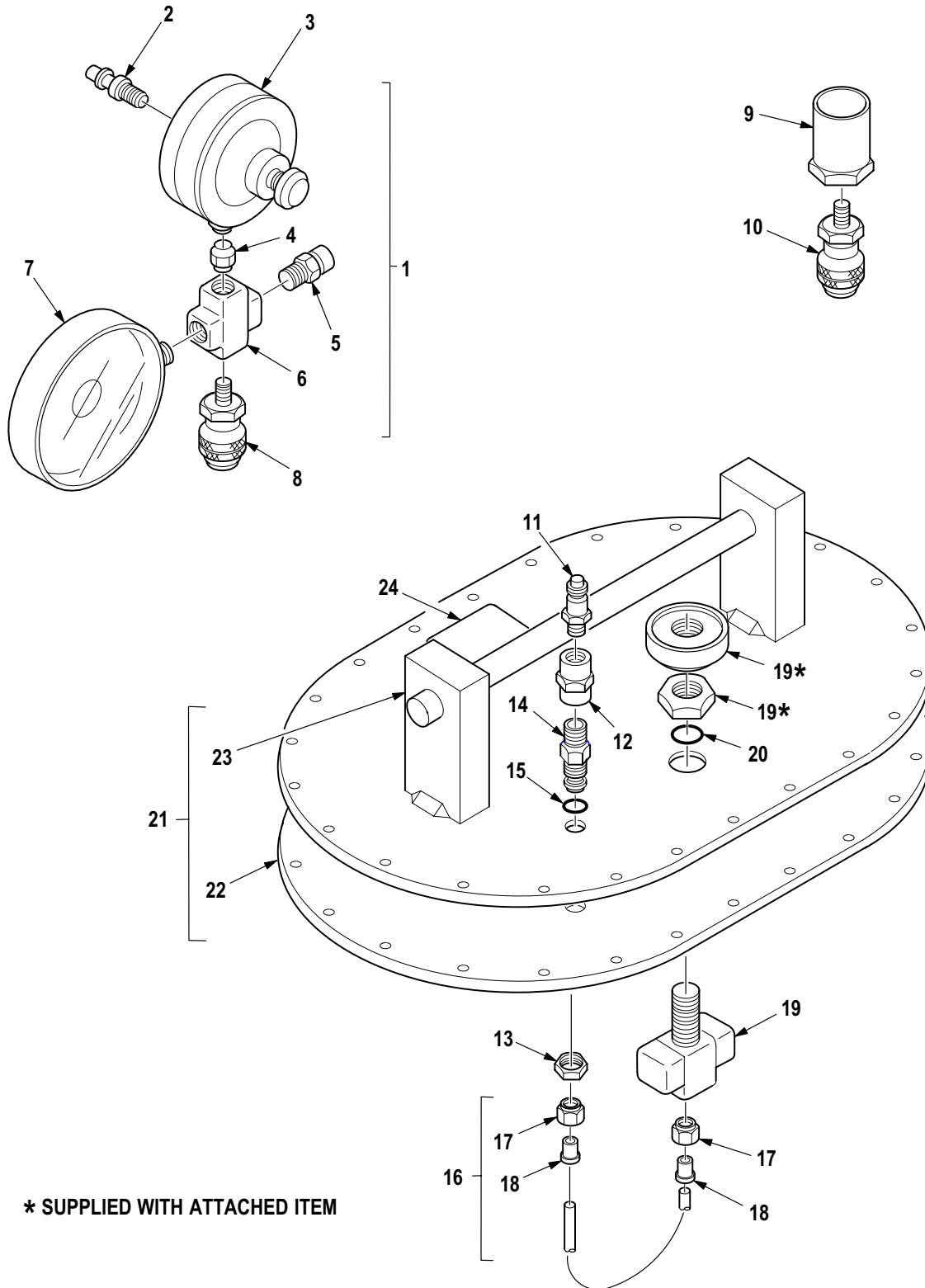
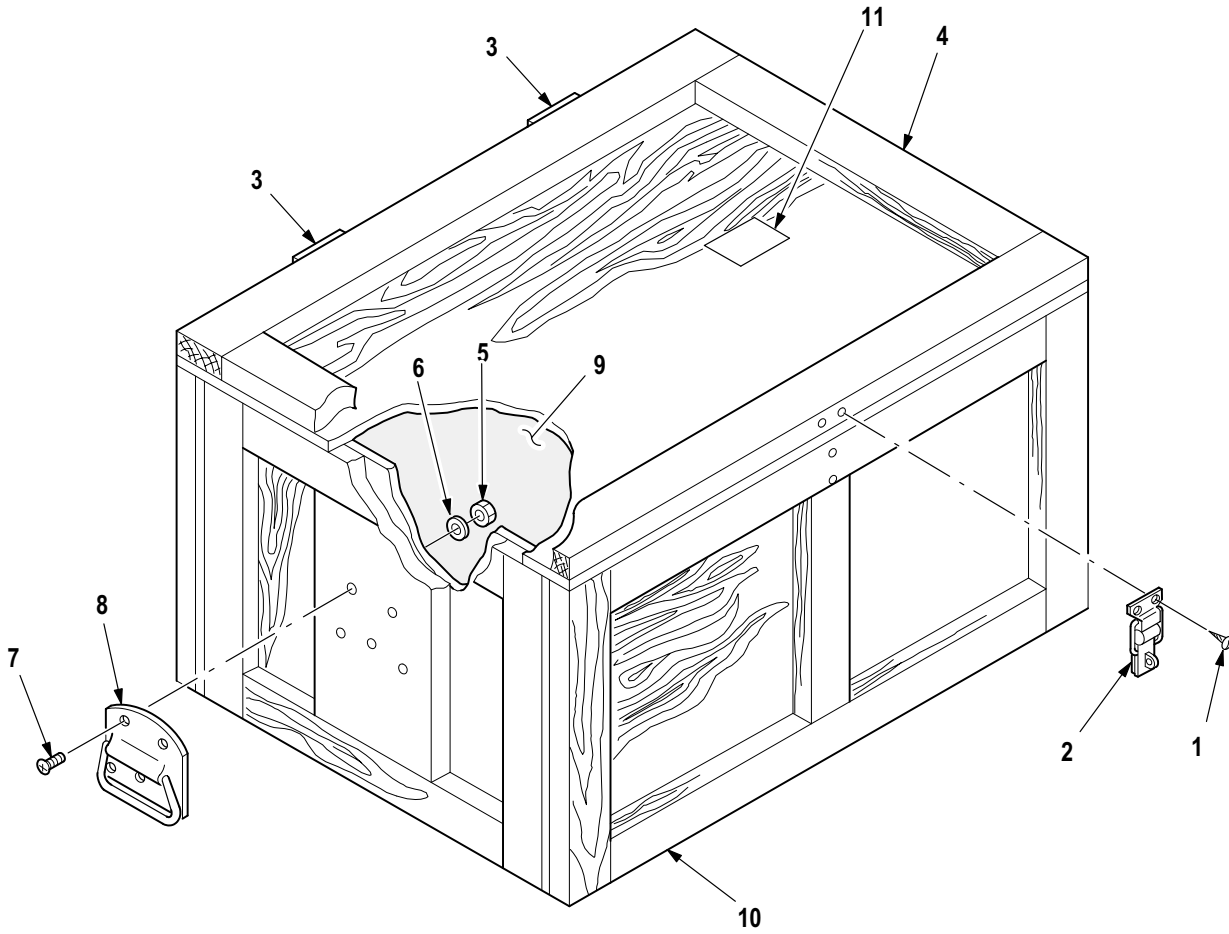


Figure 749. Group 80 Plate Assembly, Fuel Cell Access  
7-262110065

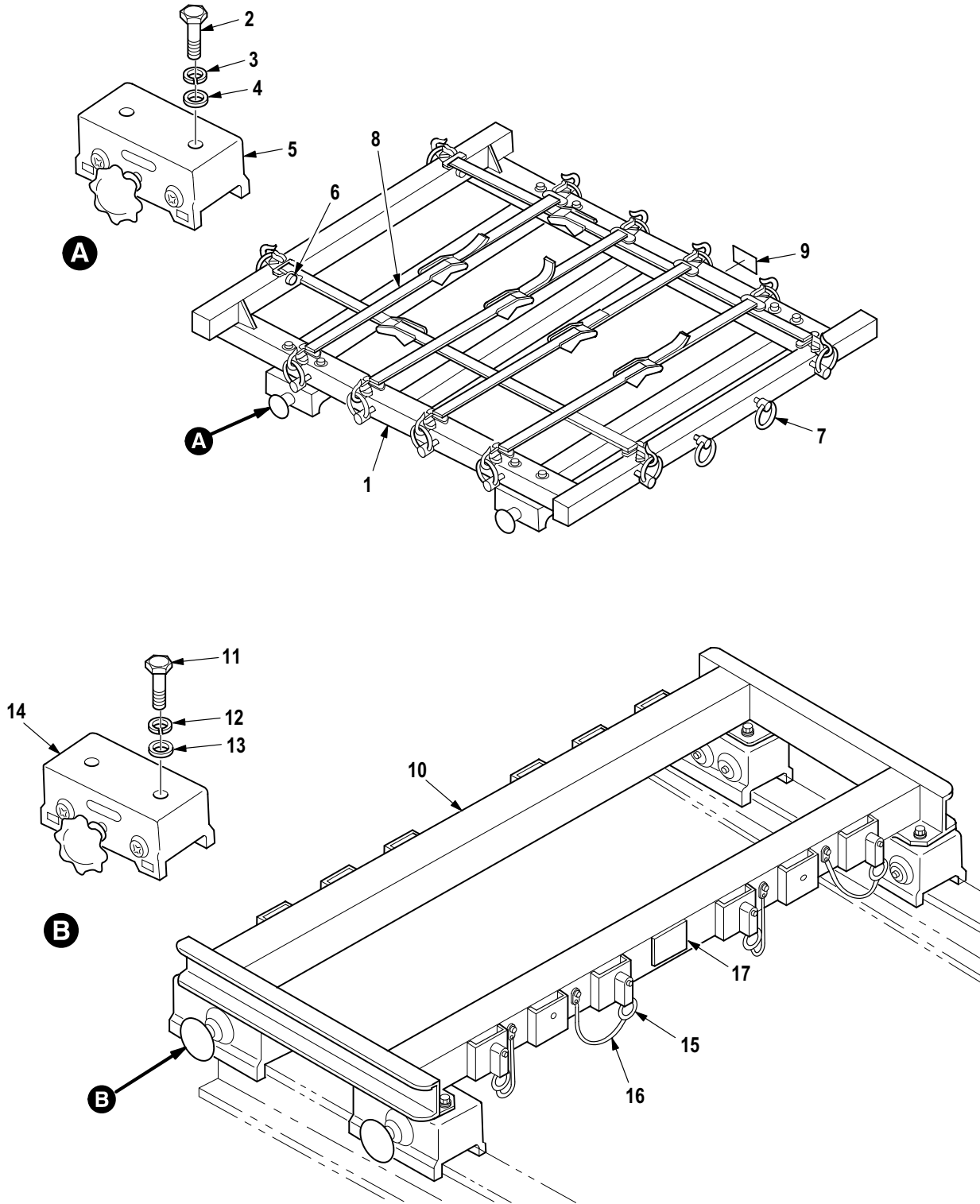
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 749 Plate Assembly, Fuel Cell Access<br>7-2621 10065<br>See Fig. 748 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10065-19    | • Fill Assembly .....   | 1          |
| 2                  | XDOZZ              | 02731       | HS5196-0001        | •• Plug, Quick Disc .....   | 1          |
| 3                  | XDOZZ              | 02731       | HS5250-2006        | •• Regulator, Pressure .....  | 1          |
| 4                  | PAOZZ              | 88044       | AN911-2S           | •• Nipple, Pipe .....   | 1          |
| 5                  | XDOZZ              | 02731       | HS5191-0004        | •• Valve, Check .....   | 1          |
| 6                  | PAOZZ              | 88044       | AN918-2S           | •• Cross, Pipe .....  | 1          |
| 7                  | XDOZZ              | 02731       | HS5193-0001        | •• Guage, Pressure .....  | 1          |
| 8                  | XDOZZ              | 02731       | HS5194-0001        | •• Coupling, Socket .....   | 1          |
| 9                  | XDOZZ              | 02731       | 7-2621 10065-15    | • Adapter Assembly .....  | 1          |
| 10                 | XDOZZ              | 02731       | HS5194-0001        | •• Coupling, Socket .....   | 1          |
| 11                 | XDOZZ              | 02731       | HS5196-0001        | • Plug, Quick Disc .....  | 1          |
| 12                 | XDOZZ              | 02731       | 7-2621 10044       | • Adapter .....   | 1          |
| 13                 | PAOZZ              | 88044       | AN6289J4           | • Locknut, Tube Fittin .....  | 1          |
| 14                 | PAOZZ              | 98437       | 34U3-192M1         | • Adapter, Straight, Tu .....   | 1          |
| 15                 | PAOZZ              | 96906       | MS28778-4          | • O-Ring .....  | 1          |
| 16                 | XDOZZ              | 02731       | 7-2621 10065-3     | • Tube Assembly .....   | 1          |
| 17                 | XAOZZ              | 88044       | AN818-4K           | •• Nut, Coupling .....  | 2          |
| 18                 | XAOZZ              | 96906       | MS20819-4K         | •• Sleeve, Flared, Tube .....   | 2          |
| 19                 | XDOZZ              | 02731       | HS5195-0001        | • Valve, Triport .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS28778-10         | • O-Ring .....  | 1          |
| 21                 | XDOZZ              | 02731       | 7-262120004        | • Plate, Access .....   | 1          |
| 22                 | MFOZZ              | 02731       | 7-262120004-13     | •• Gasket .....   | 1          |
| 23                 | XAOZZ              | 02731       | 7-262120004-7      | •• Handle .....   | 1          |
| 24                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-812A

Figure 750. Group 80 Box Assembly, Fuel Cell Removal and Installation  
7-2621 10068-601

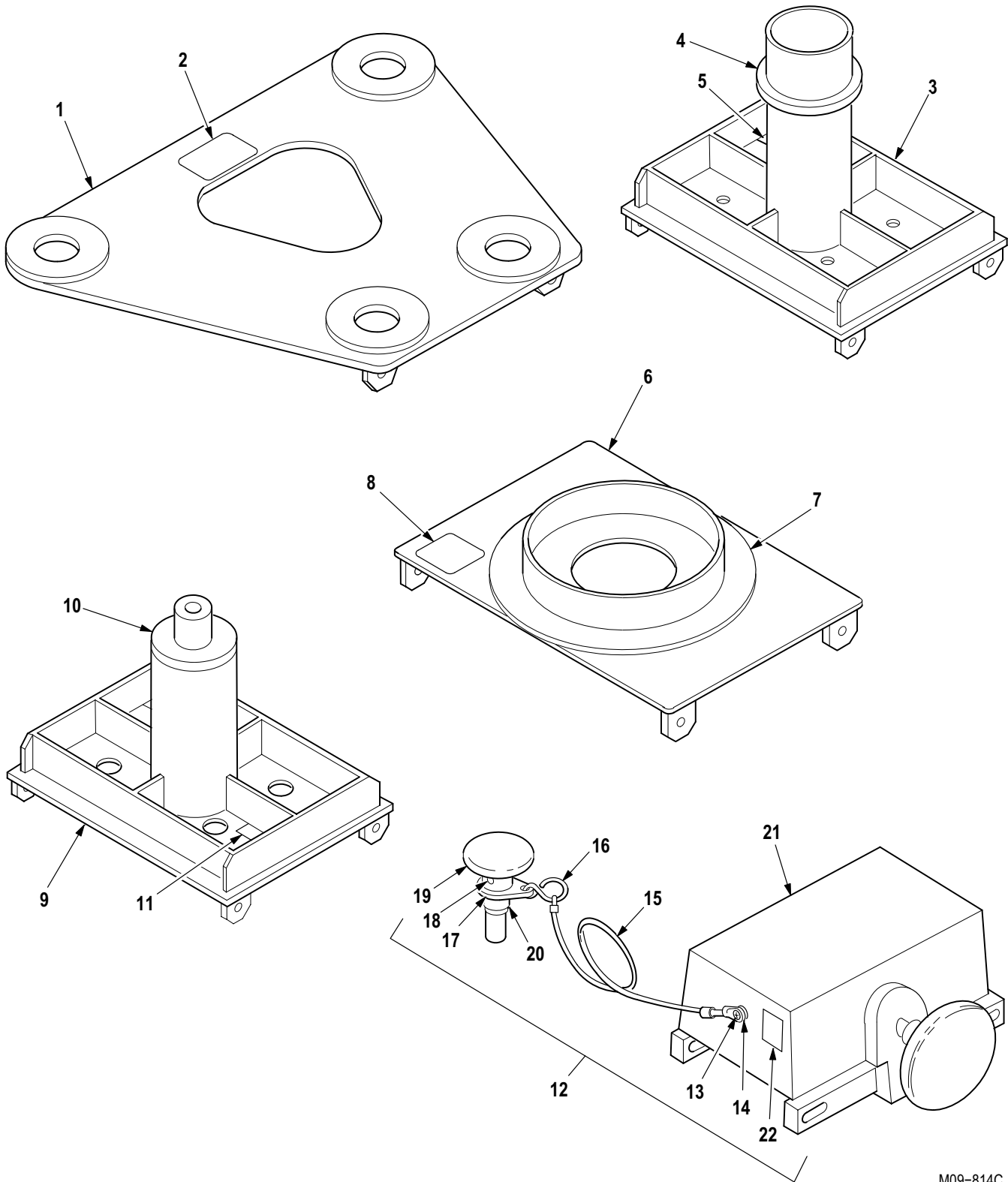
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 750 Box Assembly, Fuel Cell<br>Removal and Installation<br>7-2621 10068-601<br>See Fig. 748 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35493-53         | • Screw, Wood . . . . .  | 4          |
| 2                  | PAOZZ              | 02731       | HS5397-0001        | • Catch, Clamping . . . . .  | 1          |
| 3                  | PAOZZ              | 96906       | MS27968-4          | • Hinge, Butt . . . . .  | 2          |
| 4                  | XAOZZ              | 02731       | 7-2621 10068-5     | • Lid Assembly . . . . .   | 1          |
| 5                  | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He . . . . .  | 10         |
| 6                  | PAOZZ              | 88044       | AN970-3            | • Washer, Flat . . . . .   | 10         |
| 7                  | PAOZZ              | 96906       | MS35199-63         | • Screw, Machine . . . . .   | 10         |
| 8                  | PAOZZ              | 96906       | MS35791-1          | • Handle, Bail . . . . .   | 2          |
| 9                  | XDOZZ              | 02731       | 7-2621 10068-31    | • Filler . . . . .   | 1          |
| 10                 | XAOZZ              | 02731       | 7-2621 10068-3     | • Shell Assembly, Box . . . . .  | 1          |
| 11                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio . . . . .   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-813A

Figure 751. Group 80 Adapter Kit, Airframe Component Handling (Part 1)  
7-262100011-605

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 751 Adapter Kit, Airframe<br>Component Handling (Part 1)<br>7-26210001 1-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10054       | • Adapter Assy Container Transport .....  | 1          |
| 2                  | PAOZZ              | 80205       | NAS6209-7          | •• Bolt, Shear .....  | 8          |
| 3                  | PAOZZ              | 96906       | MS35338-144        | •• Washer, Lock .....   | 8          |
| 4                  | XDOZZ              | 88044       | AN960C916          | •• Washer, Flat .....   | 28         |
| 5                  | XDOZZ              | 02731       | HS9008-0002        | •• Trolley, I-Beam .....  | 4          |
| 6                  | PAOZZ              | 96906       | MS21045-9          | •• Nut, Self-Locking, He .....  | 20         |
| 7                  | PAOZZ              | 80205       | NAS1251A10-48      | •• Bolt, Ring .....   | 20         |
| 8                  | XDOZZ              | 02731       | HS5068-0004        | •• Strap, Webbing .....   | 6          |
| 9                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 10                 | XDOOO              | 02731       | 7-2621 10055       | • Adapter Assy Component Mounting Fixture .....   | 1          |
| 11                 | PAOZZ              | 80205       | NAS6209-6          | •• Bolt, Shear .....  | 8          |
| 12                 | PAOZZ              | 96906       | MS35338-144        | •• Washer, Lock .....   | 8          |
| 13                 | PAOZZ              | 88044       | AN960C916          | •• Washer, Flat .....   | 8          |
| 14                 | XDOZZ              | 02731       | HS9008-0002        | •• Trolley, I-Beam .....  | 4          |
| 15                 | PAOZZ              | 96906       | MS17986C611        | •• Pin, Quick Release .....   | 8          |
| 16                 | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly .....   | 8          |
| 17                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

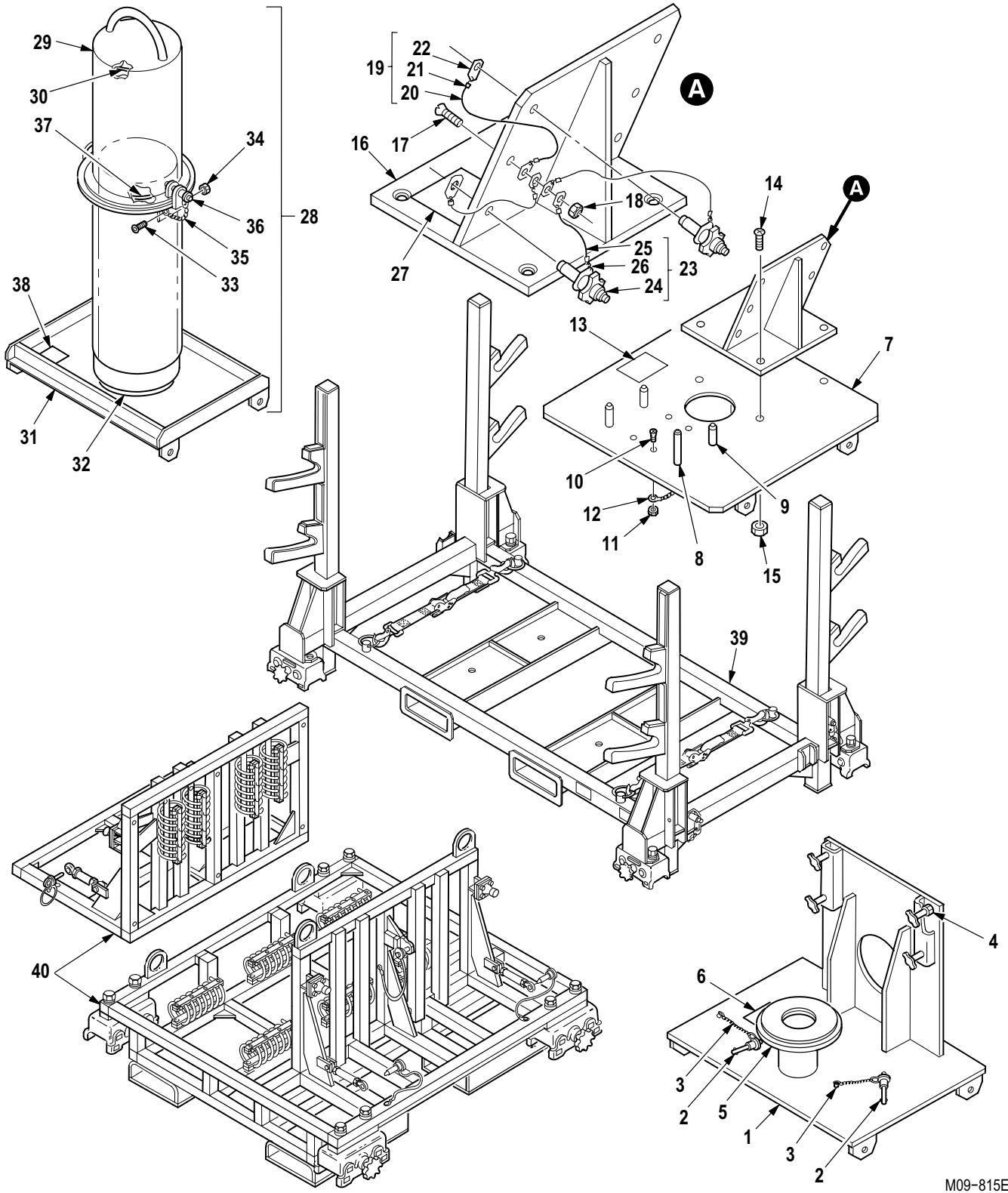


M09-814C

Figure 752. Group 80 Adapter Kit, Airframe Component Handling (Part 2)  
7-262100011-605



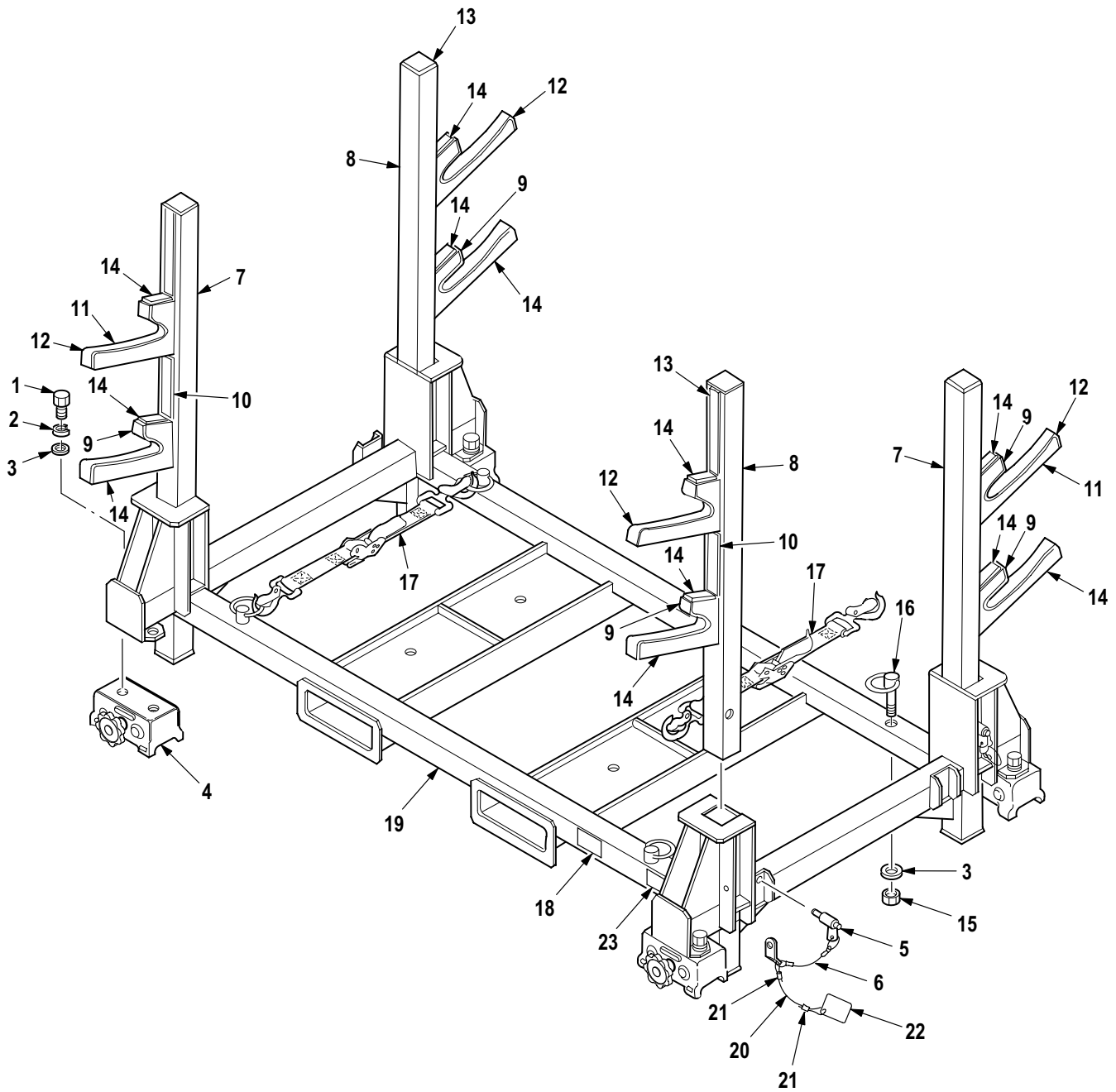
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 752 Adapter Kit, Airframe<br>Component Handling (Part 2)<br>7-26210001 1-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-3621 10029       | • Fixture, Mount .....  | 1          |
| 2                  | XDOZZ              | 02731       | HS5216-1           | •• Plate, Ident .....   | 1          |
| 3                  | XDOOO              | 02731       | 7-2621 10030       | • Fixture, Mount M/R Head .....   | 1          |
| 4                  | MFOZZ              | 02731       | 7-2621 10030-19    | •• Pad .....  | 1          |
| 5                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 6                  | XDOOO              | 02731       | 7-2621 10032       | • Fixture, Mount M/R Swashplate .....   | 1          |
| 7                  | MFOZZ              | 02731       | 7-2621 10032-1 1   | •• Pad .....  | 1          |
| 8                  | XDOZZ              | 02731       | HS5216-1           | •• Plate, Ident .....   | 1          |
| 9                  | XDOOO              | 02731       | 7-2621 10033       | • Fixture, Mount T/R .....  | 1          |
| 10                 | MFOZZ              | 02731       | 7-2621 10033-23    | •• Pad .....  | 1          |
| 11                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 12                 | XDOOO              | 02731       | 7-2621 10070       | • Trolley Assembly M/R Head Container .....   | 4          |
| 13                 | PAOZZ              | 80205       | NAS603-5P          | •• Screw, Machine .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS35338-43         | •• Washer, Lock .....   | 1          |
| 15                 | XDOZZ              | 02731       | HS4494-41200       | •• Wire Rope Assembly .....   | 1          |
| 16                 | PAOZZ              | 80205       | NAS1090-1          | •• Hook, Chain, S .....   | 1          |
| 17                 | XDOZZ              | 02731       | 7-2621 10070-5     | •• Tab .....  | 1          |
| 18                 | PAOZZ              | 96906       | MS16562-36         | •• Pin, Spring .....  | 1          |
| 19                 | PAOZZ              | 80205       | NAS1553B4F8RP      | •• Knob .....   | 1          |
| 20                 | XDOZZ              | 02731       | 7-2621 10070-3     | •• Stud .....   | 1          |
| 21                 | XDOZZ              | 02731       | 7-2621 10070-7     | •• Trolley .....  | 1          |
| 22                 | XDOZZ              | 02731       | HS4709-2           | •• Nameplate, General, P .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-815E

Figure 753. Group 80 Adapter Kit, Airframe Component Handling (Part 3)  
7-26210001 1-605

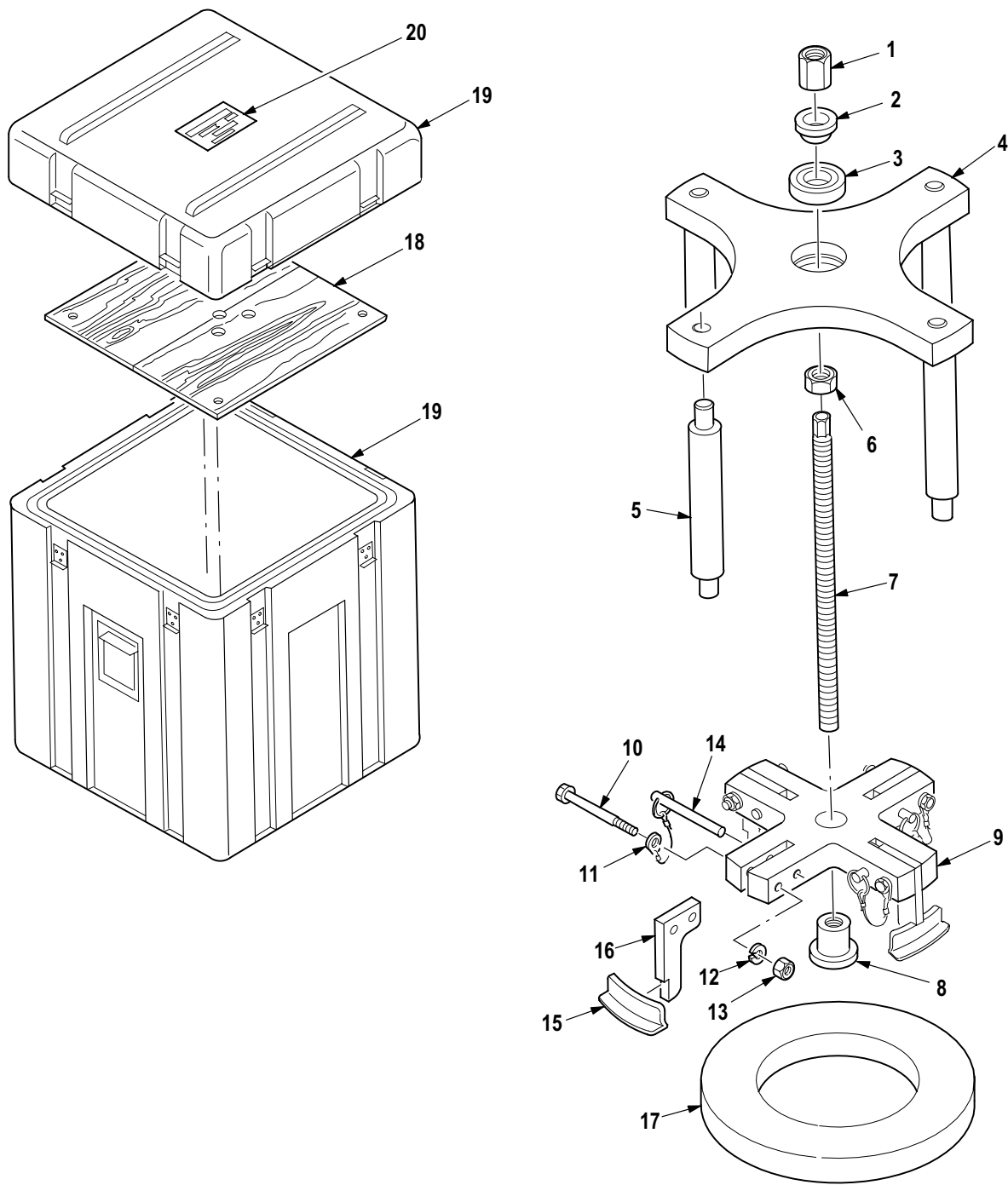
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 753 Adapter Kit, Airframe<br>Component Handling (Part 3)<br>7-26210001 1-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 02731       | 7-2621 10062       | • Fixture, Mount ECU and Nose Gearbox .....   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1334C3C12       | •• Pin, Quick Release .....   | 2          |
| 3                  | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly .....   | 2          |
| 4                  | PAOZA              | 96906       | MS21043-6          | •• Nut, Self-Locking, Ex .....  | 4          |
| 5                  | MFOZZ              | 02731       | 7-2621 10062-27    | •• Pad .....  | 1          |
| 6                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 7                  | XDOOO              | 02731       | 7-2621 10063-603   | • Fixture, Mount, Tail Rotor and Intermediate Gearbox Assy  | 1          |
| 8                  | XDOZZ              | 02731       | HS4372B8-19C       | •• Pin, Quick Release .....   | 1          |
| 9                  | XDOZZ              | 02731       | HS4372B8-12C       | •• Pin, Quick Release .....   | 3          |
| 10                 | XDOZZ              | 96906       | MS24694S53         | •• Screw, Machine .....   | 4          |
| 11                 | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....  | 4          |
| 12                 | XDOZZ              | 02731       | HS4494-4600        | •• Wire Rope Assembly .....   | 4          |
| 13                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 14                 | PAOZZ              | 96906       | MS24694-S196       | •• Screw, Machine .....   | 4          |
| 15                 | PAOZZ              | 96906       | MS21042-6          | •• Nut, Self-Locking, Ex .....  | 4          |
| 16                 | XDOOO              | 02731       | 7-362120165        | •• Fixture Adapter .....  | 1          |
| 17                 | PAOZZ              | 96906       | MS24694S57         | ••• Screw, Machine .....  | 2          |
| 18                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....   | 2          |
| 19                 | XDOOO              | 02731       | 7-362120165-7      | ••• Keeper Assy .....   | 4          |
| 20                 | PAOZZ              | 02731       | HS4494-4700        | •••• Wire Rope Assembly, .....  | 1          |
| 21                 | PAOZZ              | 80205       | NAS1090-2          | •••• Hook, Chain, S .....   | 1          |
| 22                 | PAOZZ              | 02731       | 7-362120165-15     | •••• Spacer, Plate .....  | 1          |
| 23                 | XDOOO              | 02731       | 7-362120165-5      | ••• Pin Assy .....  | 4          |
| 24                 | PAOZZ              | 02731       | 7-362120165-16     | •••• Pin, Quick Release .....   | 1          |
| 25                 | PAOZZ              | 02731       | HS4494-4400        | •••• Wire Rope Assembly .....   | 1          |
| 26                 | PAOZZ              | 80205       | NAS1090-2          | •••• Hook, Chain, S .....   | 1          |
| 27                 | XDOZZ              | 02731       | HS5216-1           | ••• Plate, Ident .....  | 1          |
| 28                 | XDOOO              | 02731       | 7-2621 10064-601   | • Fixture, Mount M/R Driveshaft .....   | 1          |
| 29                 | XDOZZ              | 02731       | 7-2621 10064-41    | •• Top Assembly .....   | 1          |
| 30                 | MFOZZ              | 02731       | 7-2621 10064-47    | ••• Pad .....   | 1          |
| 31                 | XDOOO              | 02731       | 7-2621 10064-65    | •• Bottom Assembly .....  | 1          |
| 32                 | MFOZZ              | 02731       | 7-2621 10064-43    | ••• Pad .....   | 1          |
| 33                 | PAOZZ              | 80205       | NAS623-3-4         | ••• Screw, Machine .....  | 2          |
| 34                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....   | 2          |
| 35                 | PAOZZ              | 02731       | HS4494-4400        | ••• Wire Rope Assembly .....  | 2          |
| 36                 | PAOZZ              | 80205       | NAS1336A3C070      | ••• Pin, Quick Release .....  | 2          |
| 37                 | MFOZZ              | 02731       | 7-2621 10064-45    | ••• Pad .....   | 1          |
| 38                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....   | 1          |
| 39                 | XDOOO              | 02731       | 7-2621 10028       | • Adapter Assembly, Ro (See Fig. 754 for Breakdown) .....   | 1          |
| 40                 | XDOOO              | 02731       | 7-262200003-601    | • Adapter, Eng Handlin (See Fig. 756 for Breakdown) .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-816B

Figure 754. Group 80 Adapter Assembly, Main Rotor Blade Handling  
7-2621 10028

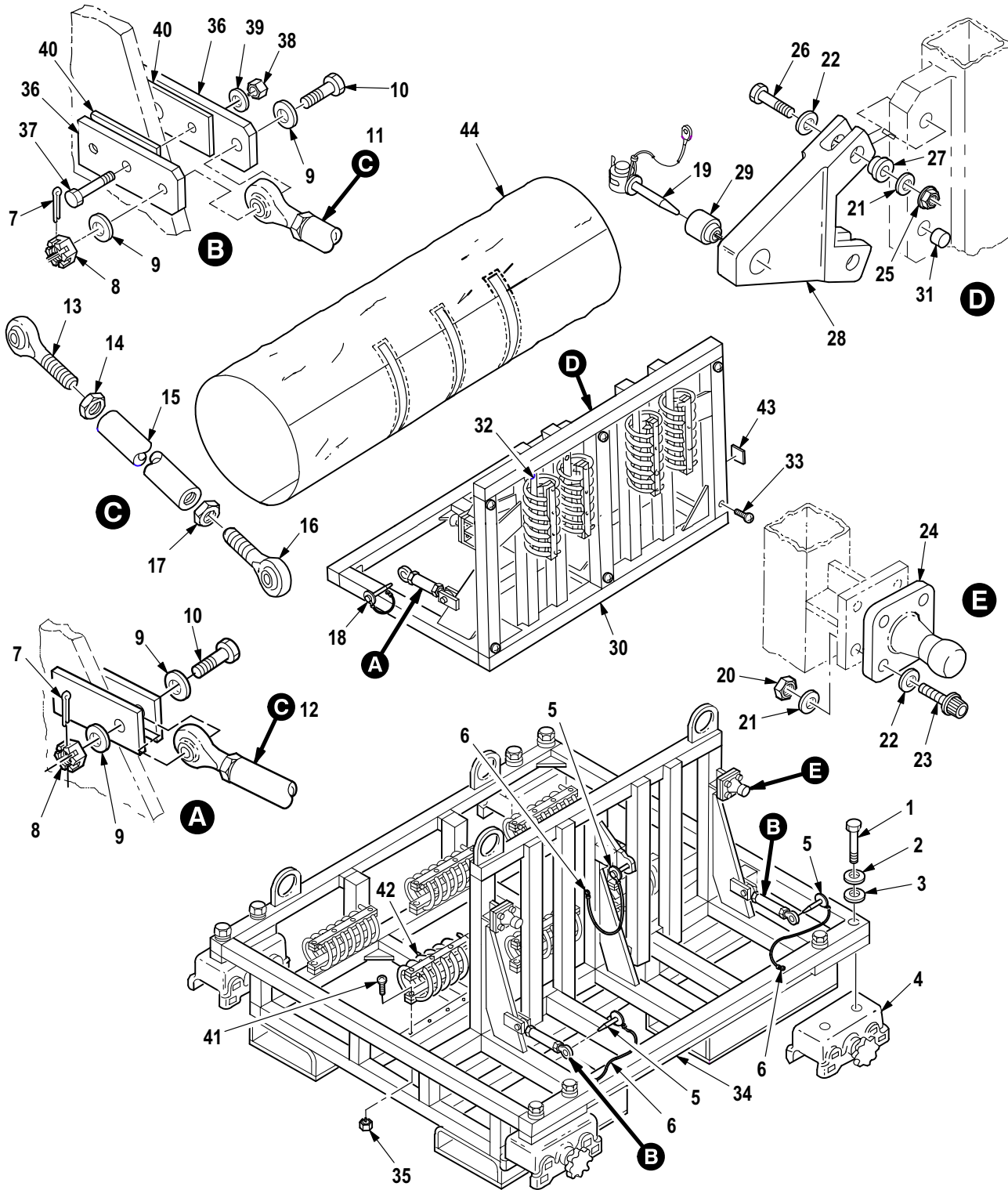
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 754 Adapter Assembly,<br>Main Rotor Blade Handling<br>7-2621 10028<br>See Fig. 753 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS6209-6          | • Bolt, Shear . . . . .   | 8          |
| 2                  | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock . . . . .  | 8          |
| 3                  | PAOZZ              | 88044       | AN960C916          | • Washer, Flat . . . . .  | 12         |
| 4                  | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam . . . . .   | 4          |
| 5                  | PAOZZ              | 80205       | NAS1338A3C06D      | • Pin, Quick Release . . . . .  | 4          |
| 6                  | PAOZZ              | 02731       | HS4494-4500        | • Wire Rope Assembly . . . . .  | 4          |
| 7                  | XDOZZ              | 02731       | 7-2621 10028-9     | • Post Assembly . . . . .   | 2          |
| 8                  | XDOZZ              | 02731       | 7-2621 10028-11    | • Post Assembly . . . . .   | 2          |
| 9                  | MFOZZ              | 02731       | 7-2621 10028-77    | • Bar, Bumper . . . . .   | 2          |
| 10                 | MFOZZ              | 02731       | 7-2621 10028-71    | • Bar, Bumper . . . . .   | 1          |
| 11                 | MFOZZ              | 02731       | 7-2621 10028-67    | • Bar, Bumper . . . . .   | 1          |
| 12                 | MFOZZ              | 02731       | 7-2621 10028-65    | • Pad . . . . .   | 2          |
| 13                 | MFOZZ              | 02731       | 7-2621 10028-73    | • Bar, Bumper . . . . .   | 1          |
| 14                 | MFOZZ              | 02731       | 7-2621 10028-69    | • Bar, Bumper . . . . .   | 3          |
| 15                 | PAOZZ              | 96906       | MS21045-9          | • Nut, Self-Locking, He . . . . .   | 4          |
| 16                 | PAOZZ              | 80205       | NAS1251A10-48      | • Bolt, Ring . . . . .  | 4          |
| 17                 | XDOZZ              | 02731       | HS5068-0004        | • Strap, Webbing . . . . .  | 2          |
| 18                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio . . . . .  | 1          |
| 19                 | XAOZZ              | 02731       | 7-2621 10028-3     | • Adapter, Welded Assy . . . . .  | 1          |
| 20                 | MOOZZ              | 02731       | 7-26210001 1-3     | Cable, Wire . . . . .   | 1          |
| 21                 | PAOZZ              | 96906       | MS51844-62         | Swaging Sleeve, Wire . . . . .  | 2          |
| 22                 | XDOZZ              | 02731       | 7-26210001 1-7     | Plate, Comp Assy . . . . .  | 1          |
| 23                 | XDOZZ              | 02731       | HS5216-2           | Plate, Identificatio . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1228

Figure 755. Group 80 Tool Kit, Aircraft Main Rotor Head  
64-001-1234 (35151)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 755 Tool Kit, Aircraft Main Rotor Head<br>64-001-1234 (35151)<br>See Fig. 715 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS9881-17          | • Nut, Plain, Hexagon .....  | 1          |
| 2                  | PAOZZ              | 35151       | 64-001-1234-1 1    | • Liner, Bearing Housi .....   | 1          |
| 3                  | PAOZZ              | 35151       | NICE-610           | • Bearing, Ball, Thrust .....  | 1          |
| 4                  | XDOZZ              | 35151       | 64-001-1234-2      | • Fixture, Aircraft Ma .....   | 1          |
| 5                  | PAOZZ              | 35151       | 64-001-1234-3      | • Pin, Shoulder, Headle .....  | 4          |
| 6                  | PAOZZ              | 88044       | AN315-12R          | • Nut, Plain, Hexagon .....  | 1          |
| 7                  | PAOZZ              | 35151       | 64-001-1234-4      | • Bolt, Machine .....  | 1          |
| 8                  | PAOZZ              | 35151       | 64-001-1234-5      | • Screw, Machine .....   | 1          |
| 9                  | PAOZZ              | 35151       | 64-001-1234-6      | • Fixture, Aircraft Ma .....   | 1          |
| 10                 | PAOZZ              | 88044       | AN4-24A            | • Bolt, Machine .....  | 4          |
| 11                 | PAOZZ              | 83014       | LW1185-2-6-00      | • Wire Rope Assembly .....   | 4          |
| 12                 | PAOZZ              | 96906       | MS35338-44         | • Washer, Lock .....   | 4          |
| 13                 | PAOZZ              | 81352       | AN340-416          | • Nut, Plain, Hexagon .....  | 4          |
| 14                 | PAOZZ              | 62060       | LA4BR2500          | • Pin, Quick Release .....   | 4          |
| 15                 | XAOZZ              | 35151       | 64-001-1234-8      | • Shoe, Puller .....   | 4          |
| 16                 | PAOZZ              | 35151       | 64-001-1234-78     | • Leg Assembly, Mechan .....   | 4          |
| 17                 | PAOZZ              | 35151       | 64-001-1234-9      | • Inserter, Seal .....   | 1          |
| 18                 | PAOZZ              | 35151       | 64-001-1234-10     | • Support, Shipping An .....   | 1          |
| 19                 | XDOZD              | 03663       | MP101203           | • Shipping and Storag .....  | 1          |
| 20                 | XDOZZ              | 15563       | CSA 011            | • Plate, Identificatio .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

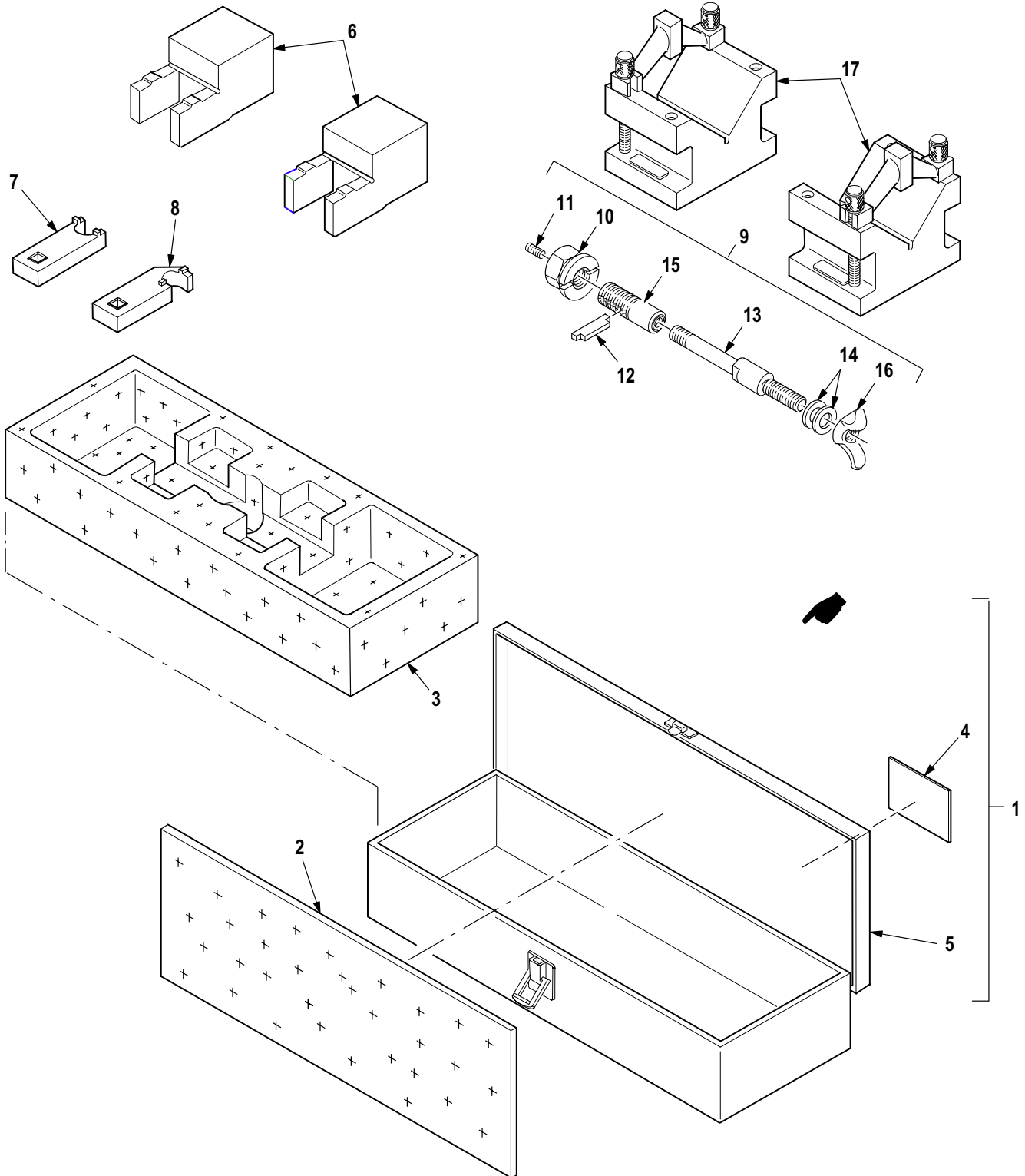


M09-817F

Figure 756. Group 80 Adapter Assembly, Engine Handling  
7-262200003-601



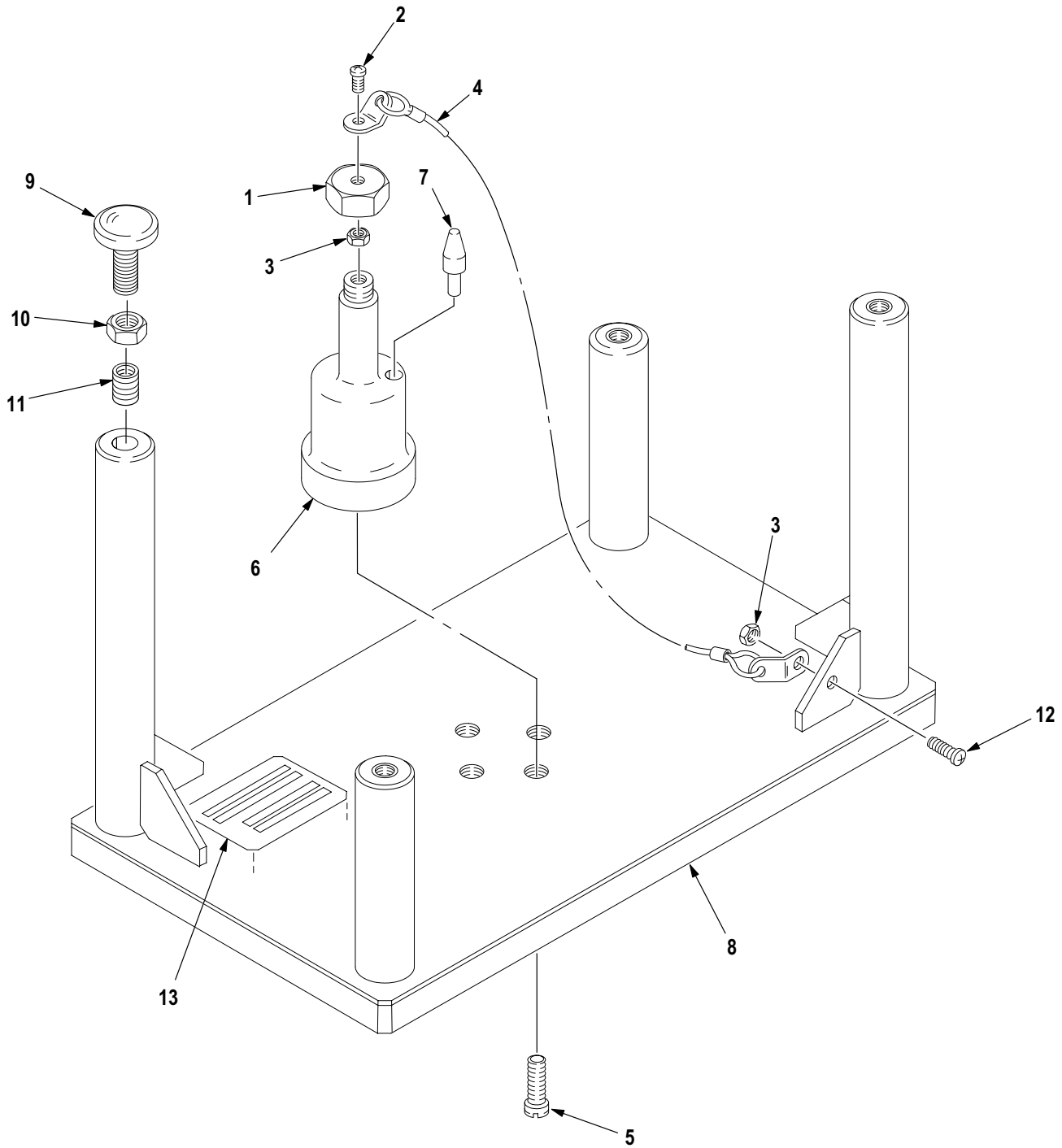
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 756 Adapter Assembly, Engine Handling<br>7-262200003-601<br>See Fig. 753 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS6209-54         | • Bolt, Shear .....   | 8          |
| 2                  | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock .....  | 8          |
| 3                  | PAOZZ              | 88044       | AN960C916          | • Washer, Flat .....  | 8          |
| 4                  | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam .....   | 4          |
| 5                  | PAOZZ              | 96906       | MS17984C615        | • Pin, Quick Release .....  | 3          |
| 6                  | PAOZZ              | 02731       | HS4494-41200       | • Wire Rope Assembly .....  | 3          |
| 7                  | PAOZZ              | 96906       | MS24665-136        | • Pin, Cotter .....   | 5          |
| 8                  | PAOZZ              | 88044       | AN320C6            | • Nut, Plain, Slotted, H .....  | 5          |
| 9                  | PAOZZ              | 88044       | AN960C-616         | • Washer, Flat .....  | 10         |
| 10                 | PAOZZ              | 80205       | NAS6606D18         | • Bolt, Shear .....   | 5          |
| 11                 | XDOOO              | 02731       | 7-262210007-3      | • Link Assy .....   | 3          |
| 12                 | XDOOO              | 02731       | 7-262210007        | • Link Assy, Support .....  | 2          |
| 13                 | XDOZZ              | 02731       | HS4607-6           | •• Bearing, Ball, Rod En .....  | 1          |
| 14                 | PAOZZ              | 88044       | AN316C7R           | •• Nut, Plain, Hexagon .....  | 1          |
| 15                 | XDOZZ              | 02731       | 7-262210007-5      | •• Link FWD (U/O P/N 7-262210007) .....   | 1          |
| 15                 | XDOZZ              | 02731       | 7-262210007-7      | •• Link AFT (U/O P/N 7-262210007-3) .....   | 1          |
| 16                 | XDOZZ              | 02731       | HS4607-6L          | •• Rod End .....  | 1          |
| 17                 | PAOZZ              | 88044       | AN316C7L           | •• Nut, Plain, Hexagon .....  | 1          |
| 18                 | XDOZZ              | 02731       | 7-21 1670101       | • Pin, Quick Release .....  | 2          |
| 19                 | XDOZZ              | 02731       | 7-21 1670103       | • Pin, Quick Release .....  | 2          |
| 20                 | PAOZZ              | 96906       | MS21044N5          | • Nut, Self-Locking, He .....   | 16         |
| 21                 | PAOZZ              | 80205       | NAS1149C0532R      | • Washer, Flat .....  | 18         |
| 22                 | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed .....  | 18         |
| 23                 | PAOZZ              | 96906       | MS21250H05010      | • Bolt, Shear .....   | 16         |
| 24                 | XDOZZ              | 02731       | 7-31 1670131-3     | • Support, Engine Moun .....  | 4          |
| 25                 | PAOZA              | 96906       | MS21043-5          | • Nut, Self-Locking, Ex .....   | 2          |
| 26                 | PAOZZ              | 80205       | NAS6605-1 1        | • Bolt, Shear .....   | 2          |
| 27                 | XDOZZ              | 02731       | HS610J4380R3120170 | • Bushing .....   | 2          |
| 28                 | XDOOO              | 02731       | 7-262210006        | • Support, Primary .....  | 1          |
| 29                 | XDOZZ              | 02731       | HS4157-6           | •• Bearing, Plain, Self- .....  | 1          |
| 30                 | XDOOO              | 02731       | 7-262210003        | • Support Assy shock Mount .....  | 1          |
| 31                 | XDOZZ              | 02731       | HS4612-5           | •• Bearing .....  | 2          |
| 32                 | PAOZZ              | 80205       | NAS1330C4K271      | •• Nut, Plain, Blind Riv .....  | 40         |
| 33                 | PAOZZ              | 96906       | MS21318-58         | •• Screw, Drive .....   | 6          |
| 34                 | XDOOO              | 02731       | 7-262210004-601    | • Support Assy Fix Mount .....  | 1          |
| 35                 | PAOZZ              | 80205       | NAS1330C4K271      | •• Nut, Plain, Blind Riv .....  | 40         |
| 36                 | XDOZZ              | 02731       | 7-262210004-87     | •• Plate .....  | 4          |
| 37                 | PAOZZ              | 80205       | NAS6604-16         | •• Bolt, Shear .....  | 4          |
| 38                 | PAOZZ              | 80205       | MS21042-4          | •• Nut, Self-Locking, Ex .....  | 4          |
| 39                 | PAOZZ              | 88044       | AN960C416          | •• Washer, Flat .....   | 4          |
| 40                 | XDOZZ              | 02731       | 7-262210004-89     | •• Shim .....   | 2          |
| 41                 | PAOZZ              | 96906       | MS51960-88         | • Screw, Machine .....  | 80         |
| 42                 | XDOZZ              | 02731       | HS5092-0003        | • Mount, Resilient .....  | 10         |
| 43                 | XDOZZ              | 02731       | HS5216-1           | • Plate, Ident .....  | 1          |
| 44                 | XDOZZ              | 02731       | 7-262210005        | • Cover .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1173C

Figure 757. Group 80 Tool Kit, Aircraft Maintenance (AVIM)  
7-363100003-603

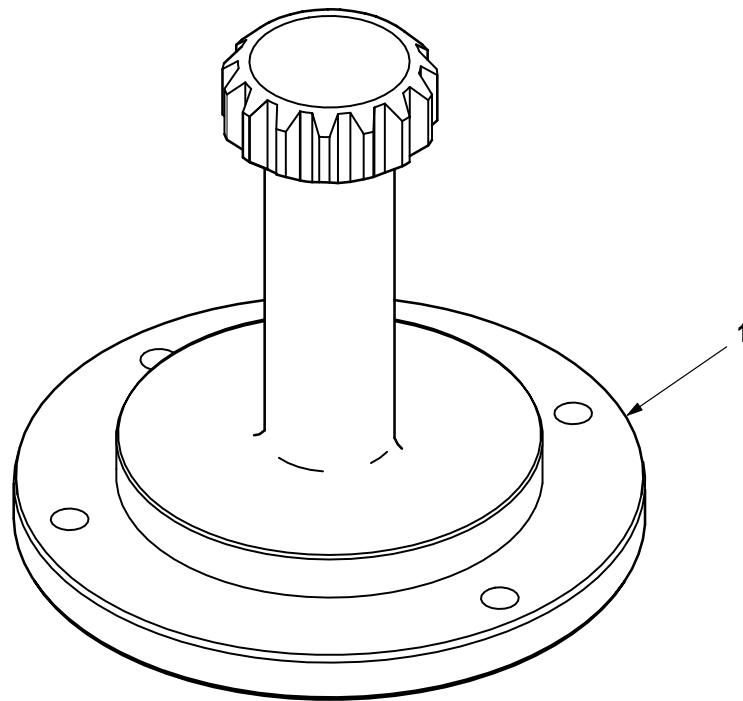
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 757 Tool Kit, Aircraft Maintenance (AVIM)<br>7-363100003-603<br>See Fig. 717 for NHA |            |
| 1                  | XDFFF              | 02731       | 7-3631 10007-601   | • Container Assembly .....  | 1          |
| 2                  | XDFZZ              | 02731       | 7-3631 10007-5     | •• Filler, Lid .....  | 1          |
| 3                  | XDFZZ              | 02731       | 7-3631 10007-7     | •• Filler, Bottom .....   | 1          |
| 4                  | XDFZZ              | 02731       | HS5216-1           | •• Plate, Ident .....   | 1          |
| 5                  | XAFZZ              | 02731       | 7-363120012        | •• Container .....  | 1          |
| 6                  | PAFZZ              | 02731       | 7-3631 10008       | • Gage Block Set .....  | 1          |
| 7                  | PAFZZ              | 02731       | 7-3631 10009       | • Wrench, Spanner .....   | 1          |
| 8                  | PAFZZ              | 02731       | 7-3631 10010       | • Adapter, Torque Wren .....  | 1          |
| 9                  | AFFFF              | 02731       | 7-3631 10017-603   | • Tool, Installation .....  | 1          |
| 10                 | PAFZZ              | 02731       | 7-3631 10017-1 1   | •• Nut, Sleeve .....  | 1          |
| 11                 | PAFZZ              | 80205       | NAS1081C4D8        | •• Setscrew .....   | 1          |
| 12                 | PAFZZ              | 02731       | 7-3631 10017-19    | •• Key, Machine .....   | 1          |
| 13                 | PAFZZ              | 02731       | 7-3631 10017-7     | •• Stud, Shouldered .....   | 1          |
| 14                 | PAFZZ              | 96906       | MS15795-931        | •• Washer, Flat .....   | 2          |
| 15                 | PAFZZ              | 02731       | 7-3631 10017-13    | •• Post, Electrical-Mec .....   | 1          |
| 16                 | PAFZZ              | 96906       | MS35425-75         | •• Nut, Plain, Wing .....   | 1          |
| 17                 | PAFZZ              | 59025       | 9130               | • V-Block .....   | V          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1135

Figure 758. Group 80 Fixture, Tail Rotor Head Assembly and Repair (AVIM)  
7-36310002

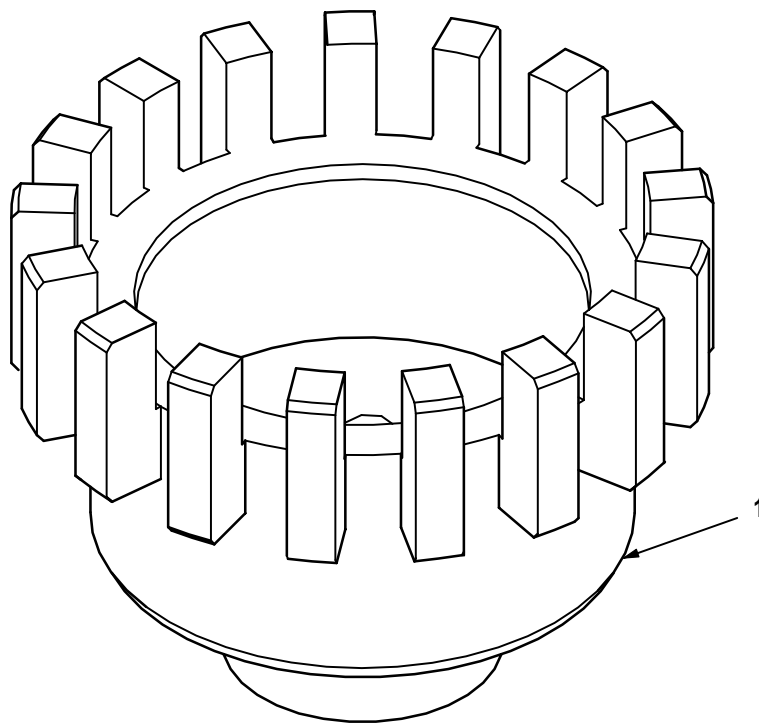
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 758 Fixture, Tail Rotor Head<br>Assembly and Repair (AVIM)<br>7-363100002<br>See Fig. 717 for NHA |            |
| 1                  | PAFZZ              | 02731       | 7-3631 10013-5     | • Nut, Plain, Hexagon .....  | 1          |
| 2                  | PAFZZ              | 02731       | HS4179-3-2         | • Screw, Machine .....   | 1          |
| 3                  | PAFZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....  | 2          |
| 4                  | PAFZZ              | 02731       | HS5154-1214        | • Wire Rope Assembly .....   | 1          |
| 5                  | XDFZZ              | 80205       | NAS146-18          | • Bolt, Internal Wrenc .....   | 4          |
| 6                  | PAFZZ              | 02731       | 7-3631 10013-3     | • Pedestal, Detail, Tai .....  | 1          |
| 7                  | PAFZZ              | 02731       | 7-3631 10013-13    | • Pin, Shoulder, Headless .....  | 1          |
| 8                  | XAFZZ              | 02731       | 7-363100002-3      | • Weld Assy .....  | 1          |
| 9                  | PAFZZ              | 8V613       | 7-3631 10013-7     | • Rest Assembly, Screw .....   | 4          |
| 10                 | PAFZZ              | 80205       | NAS1423-6          | • Nut, Plain, Hexagon .....  | 4          |
| 11                 | PAFZZ              | 96906       | MS51831-204L       | • Insert, Screw Thread .....   | 4          |
| 12                 | PAFZZ              | 02731       | HS4179-3-4         | • Screw, Machine .....   | 1          |
| 13                 | XDFZZ              | 02731       | HS5216-1           | • Plate, Ident .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1241

Figure 759. Group 80 Brake, Input Pinion Gear

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 1                  | PBOZZ              | 60168       | 140036             | Group 80 Special Tools<br>Fig. 759 Brake, Input Pinion Gear<br>• Fixture, Aircraft Ma .....<br>END OF FIGURE | 1          |

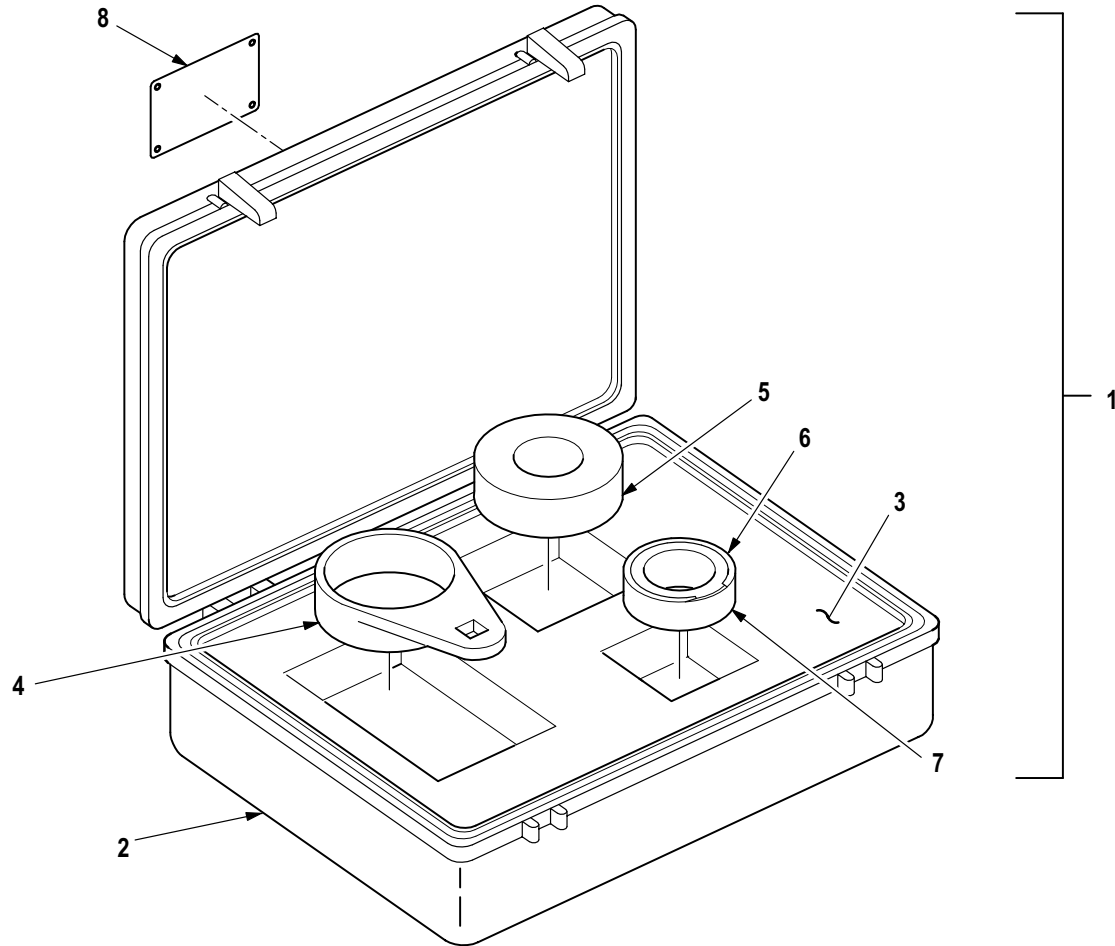


M09-1242

Figure 760. Group 80 Socket, Rotor Brake



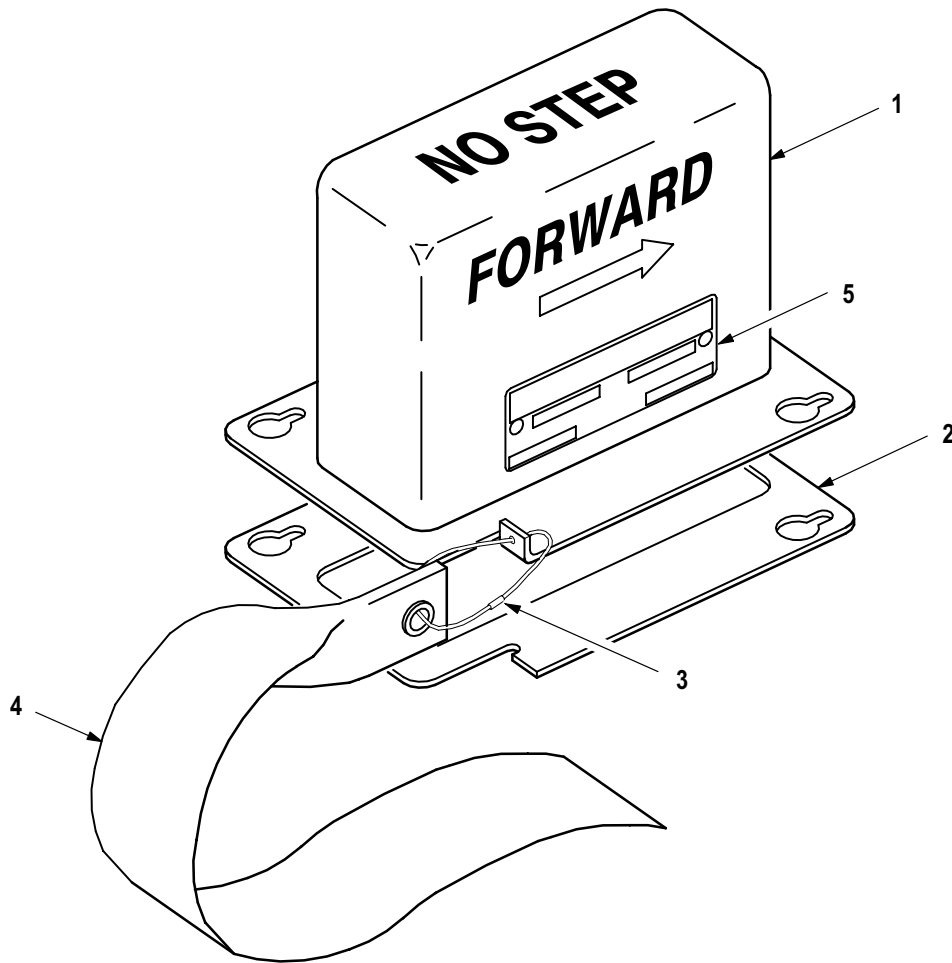
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | PBOZZ              | 60168       | 140017-1           | Group 80 Special Tools<br>Fig. 760 Socket, Rotor Brake<br>• Rotor Assembly, Disc .....<br>END OF FIGURE | 1          |



M09-1243A

Figure 761. Group 80 Socket, Locknut Set

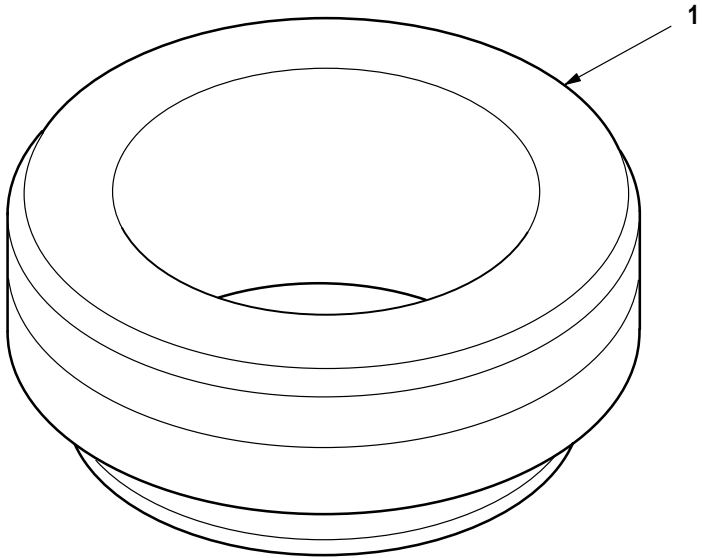
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 761 Socket, Locknut Set |            |
| 1                  | XDOOO              | 60168       | 140079             | • Socket Set, Locknut .....                            | 1          |
| 2                  | XDOZZ              | 51021       | PP-1400            | •• Box .....   | 1          |
| 3                  | XDOZZ              | 60168       | 140078             | •• Insert .....  | 1          |
| 4                  | PAOZZ              | 60168       | 140035-1           | •• Socket, Wrench, Face .....                          | 1          |
| 5                  | PAOZZ              | 60168       | 140077-1           | •• Cap, Valve .....                                    | 1          |
| 6                  | PAOZZ              | 80756       | UR-225-S           | •• Ring, Retaining .....                               | 1          |
| 7                  | XDOZZ              | 60168       | 140085-1           | •• Screw, Machine .....                                | 1          |
| 8                  | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                          | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1244

Figure 762. Group 80 Cover, Ice Sensor Assembly

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 762 Cover, Ice Sensor Assembly |            |
| 1                  | PBOOO              | 60168       | 140026             | • Guard, Aircraft Grou .....                                  | 1          |
| 2                  | PAOZZ              | 60168       | 140025-1           | •• Gasket .....   | 1          |
| 3                  | PAOZZ              | 96906       | MS51844-82         | •• Swaging Sleeve, Wire .....                                 | 1          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | •• Streamer, Warning .....                                    | 1          |
| 5                  | XDOZZ              | 60168       | 070023-1           | •• Plate, Identificatio .....                                 | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1245

Figure 763. Group 80 Tool, Output Shaft Seal Installation

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
| 1                  | PBFZZ              | 60168       | 140004             | Group 80 Special Tools<br>Fig. 763 Tool, Output Shaft Seal Installation<br>• Inserter, Seal .....<br>END OF FIGURE | 1          |

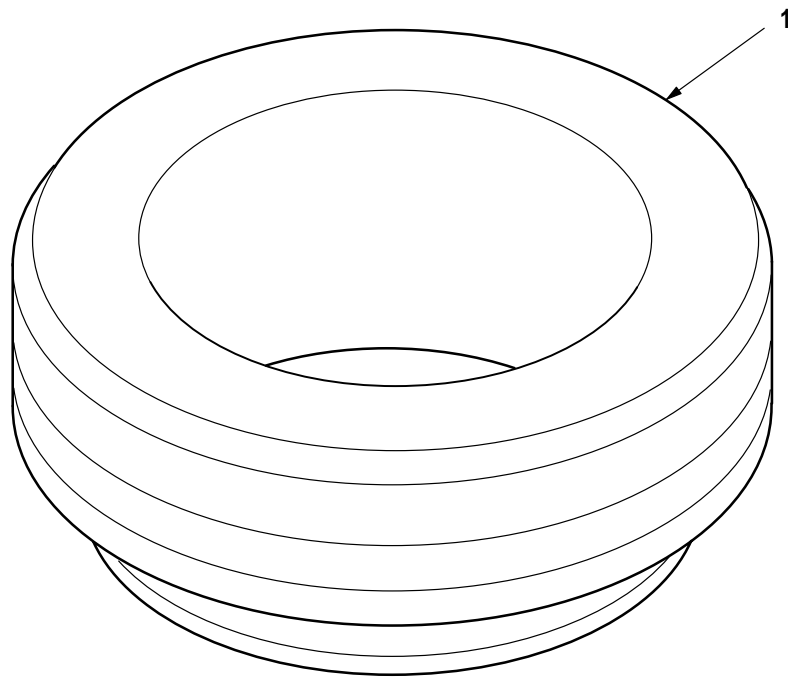
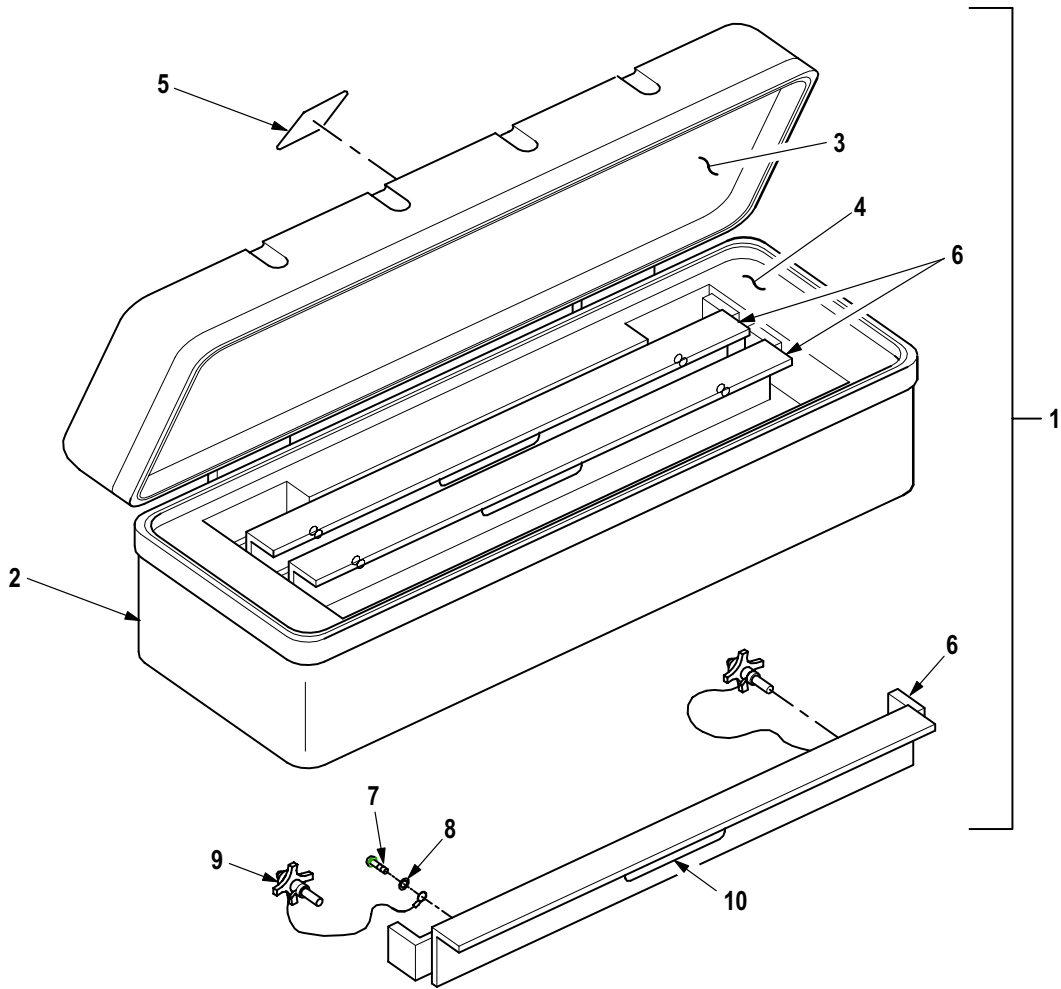


Figure 764. Group 80 Tool, Input Shaft Seal Installation



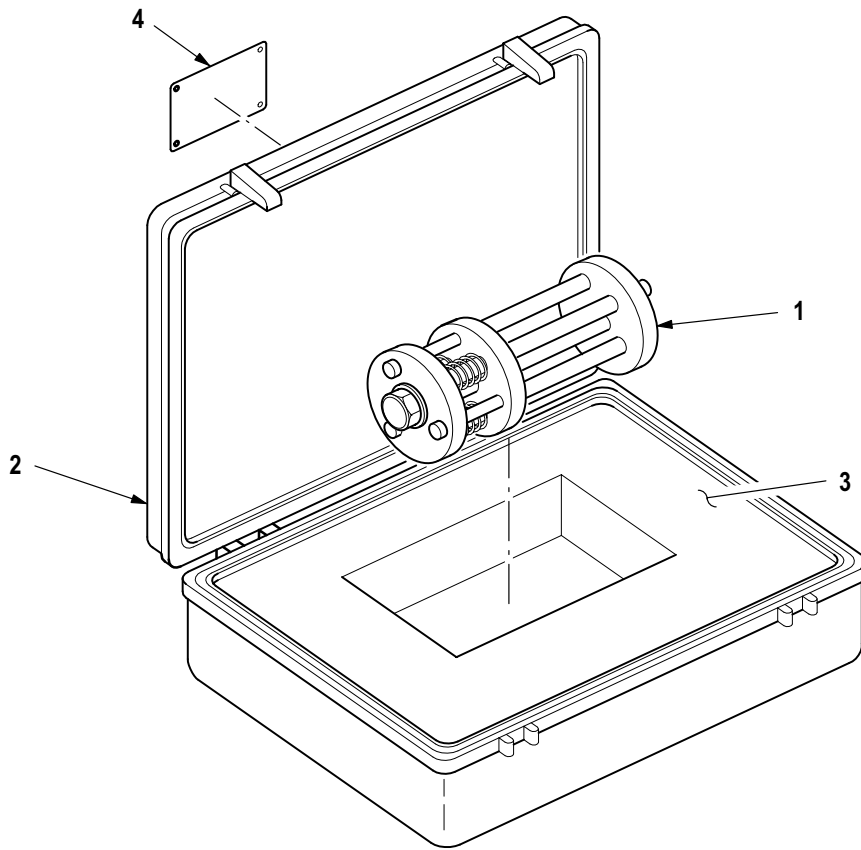
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | PBFZZ              | 60168       | 140008             | Group 80 Special Tools<br>Fig. 764 Tool, Input Shaft Seal Installation<br>• Inserter, Seal .....<br>END OF FIGURE | 1          |



M09-1247A

Figure 765. Group 80 Kit, Spreader Bar/Positioning

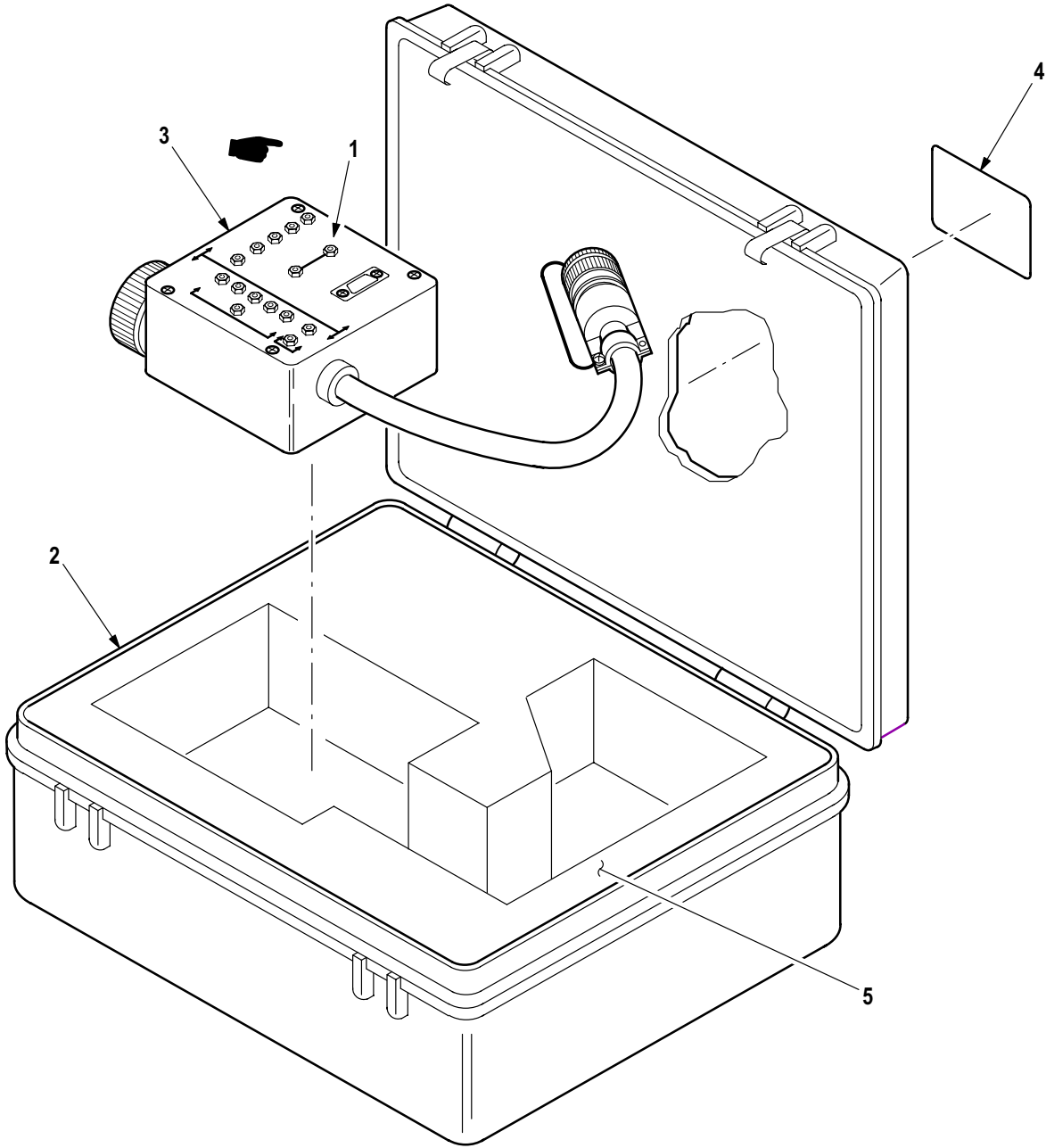
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 765 Kit, Spreader Bar/Positioning |            |
| 1                  | PBOOO              | 60168       | 140098             | • Spreader Bar Kit .....   | 1          |
| 2                  | XDOZZ              | 29724       | 102401-2           | •• Case, Spreader Bar .....                                      | 1          |
| 3                  | XDOZZ              | 60168       | 140097-2           | •• Insert, Top .....   | 1          |
| 4                  | XDOZZ              | 60168       | 140097-1           | •• Insert, Bottom .....  | 1          |
| 5                  | XDFZZ              | 60168       | 003-84-0006        | •• Plate, Identificatio .....                                    | 1          |
| 6                  | XDOOO              | 60168       | 140096             | •• Spreader Bar .....  | 1          |
| 7                  | PAOZZ              | 96906       | MS51957-13         | ••• Screw, Machine .....   | 2          |
| 8                  | PAOZZ              | 96906       | MS15795-803        | ••• Washer, Flat .....   | 2          |
| 9                  | PAOZZ              | 99862       | CL-5-ABPK-1-C      | ••• Pin, Quick Release .....                                     | 2          |
| 10                 | XDOZZ              | 60168       | 070023-1           | ••• Plate, Identificatio .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1248A

Figure 766. Group 80 Teeter Stop Bonding Fixture

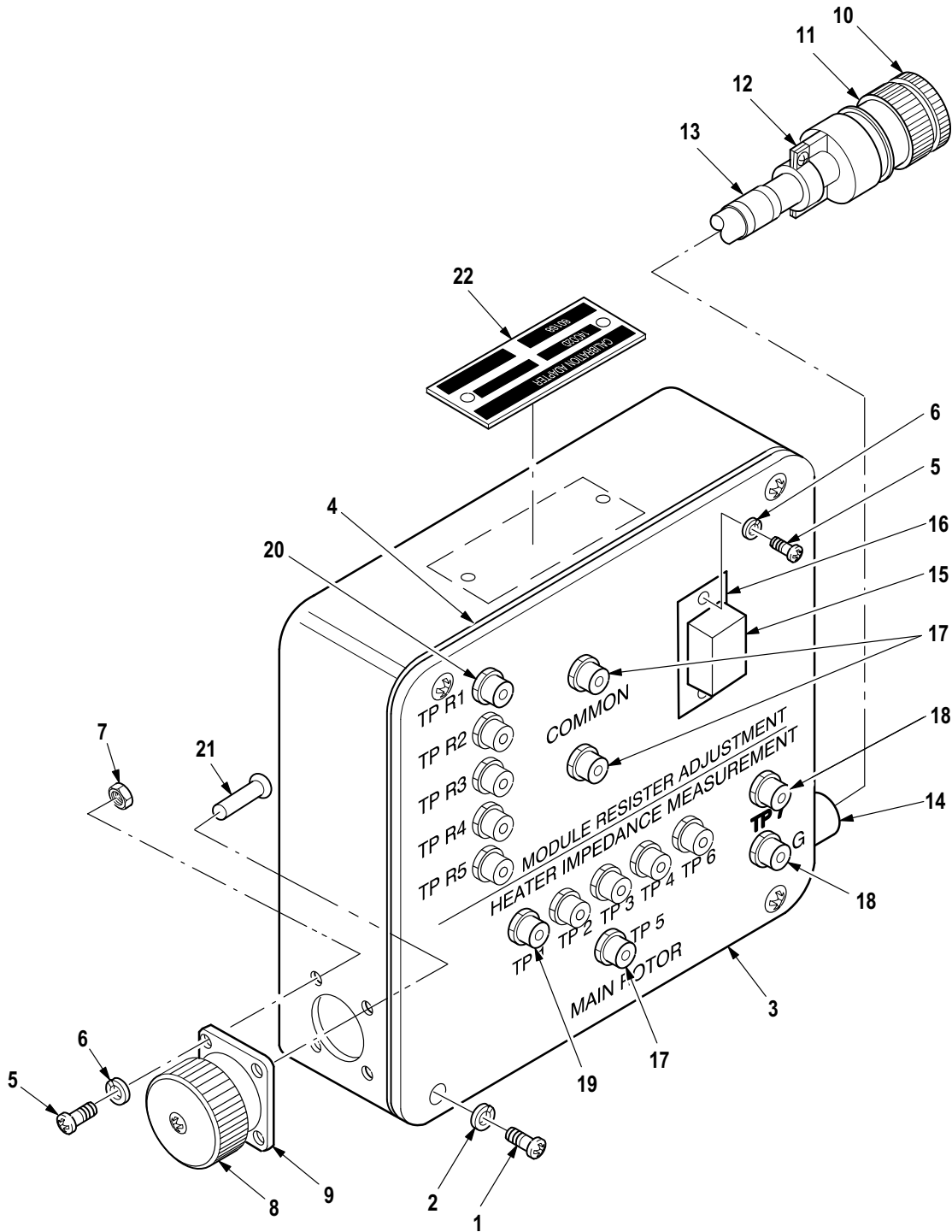
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 766 Teeter Stop Bonding Fixture |            |
| 1                  | PBFFF              | 60168       | 140065             | • Fixture, Aircraft Ma .....                                   | 1          |
| 2                  | XAFZZ              | 51021       | PP-1400            | •• Box .....   | 1          |
| 3                  | XDFZZ              | 60168       | 140064             | •• Insert, Bonding Fix .....                                   | 1          |
| 4                  | XDFZZ              | 60168       | 003-84-006         | •• Plate, Identificatio .....                                  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1252B

Figure 767. Group 80 Adapter Assembly, Calibration

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 767 Adapter Assembly, Calibration |            |
| 1                  | PBOFF              | 60168       | 140054             | • Adapter, Test .....  | 1          |
| 2                  | XAOZZ              | 51021       | PP-1400            | •• Box .....   | 1          |
| 3                  | XDOFF              | 60168       | 140020             | •• Adapter, Calibration (See Fig. 768 for Breakdown) .....       | 1          |
| 4                  | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                                    | 1          |
| 5                  | XDOZZ              | 60168       | 140055-1           | •• Insert .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1256

Figure 768. Group 80 Adapter, Calibration, Rotor Blade De-Ice System 140020 (60168)



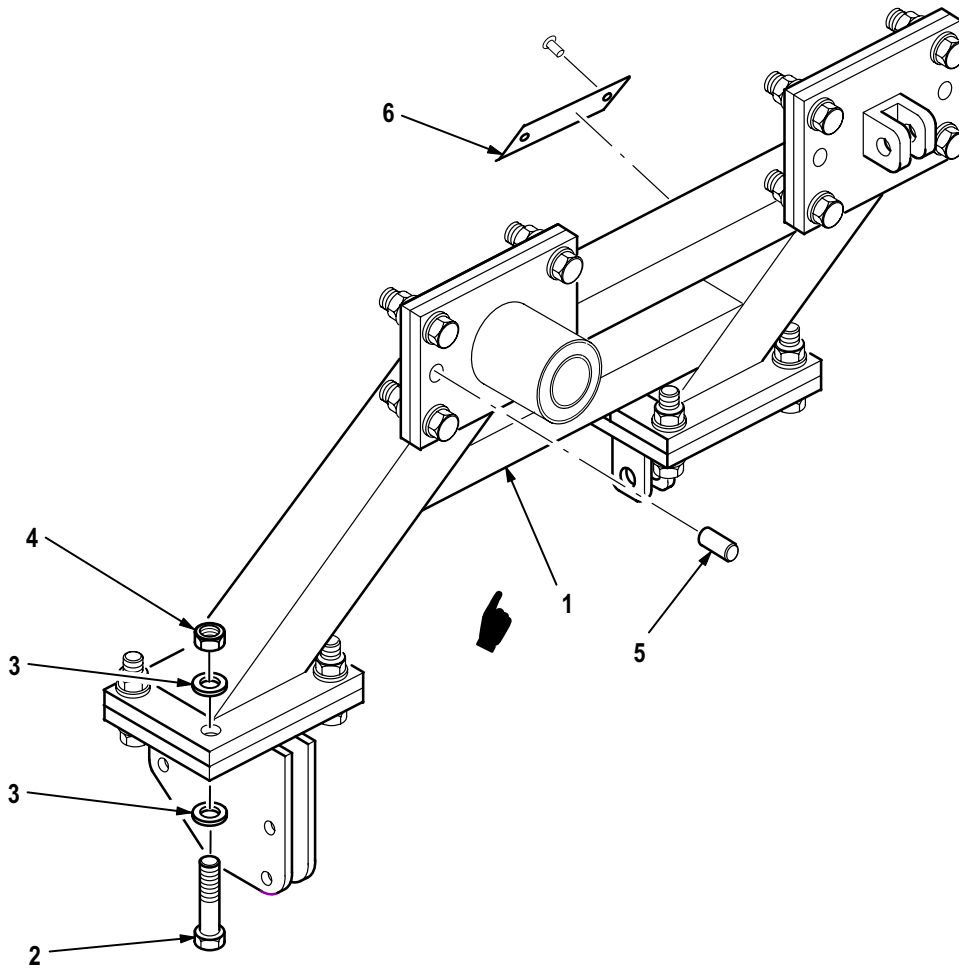
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 768 Adapter, Calibration,<br>Rotor Blade De-Ice System<br>140020 (60168)<br>See Fig. 767 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35206-247        | • Screw, Machine . . . . .  | 4          |
| 2                  | PAFZZ              | 96906       | MS35338-42         | • Washer, Lock . . . . .  | 4          |
| 3                  | XDOFF              | 60168       | 140018-1           | • Cover, Adapter . . . . .  | 1          |
| 4                  | XDOZZ              | 60168       | 140021-1           | • Gasket . . . . .  | 1          |
| 5                  | PAFZZ              | 96906       | MS35206-215        | • Screw, Machine . . . . .  | 6          |
| 6                  | PAFZZ              | 96906       | MS35338-40         | • Washer, Lock . . . . .  | 6          |
| 7                  | PAFZZ              | 80205       | NAS671-4           | • Nut, Plain, Hexagon . . . . .   | 6          |
| 8                  | XDOZZ              | 96906       | MS25043-24D        | • Cover, Dust . . . . .   | 1          |
| 9                  | PAFZZ              | 96906       | MS3452W24-10P      | • Connector, Receptacl . . . . .  | 1          |
| 10                 | PAOZZ              | 81349       | M83723/59-1 14RC   | • Cover, Electrical Co . . . . .  | 1          |
| 11                 | PAFZZ              | 81349       | M83723/86W1407N    | • Connector, Plug, Elec . . . . .   | 1          |
| 12                 | PAOZZ              | 81349       | M85049/52-1-14N    | • Clamp, Cable, Electri . . . . .   | 1          |
| 13                 | XDOZZ              | 60168       | 140101             | • Label . . . . .   | 1          |
| 14                 | PAOZZ              | 28520       | 1497               | • Bushing, Strain Reli . . . . .  | 1          |
| 15                 | XDOZZ              | 71468       | DE-59-20           | • Cover, Dust . . . . .   | 1          |
| 16                 | PAFZA              | 81349       | M24308/2-1         | • Connector, Receptacl . . . . .  | 1          |
| 17                 | PAFZA              | 81349       | M39024/10-03       | • Jack, Tip (Black) . . . . .   | 3          |
| 18                 | PAFZA              | 81349       | M39024/10-05       | • Jack, Tip (Green) . . . . .   | 2          |
| 19                 | PAFZA              | 81349       | M39024/10-02       | • Jack, Tip (Red) . . . . .   | 5          |
| 20                 | PAFZA              | 81349       | M39024/10-08       | • Jack, Tip (Yellow) . . . . .  | 5          |
| 21                 | PAFZA              | 96906       | MS3348-8-10        | • Contact, Electrical . . . . .   | 2          |
| 22                 | XDOZZ              | 60168       | 070023-1           | • Plate, Identificatio . . . . .  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

Figure 769. Figure Deleted





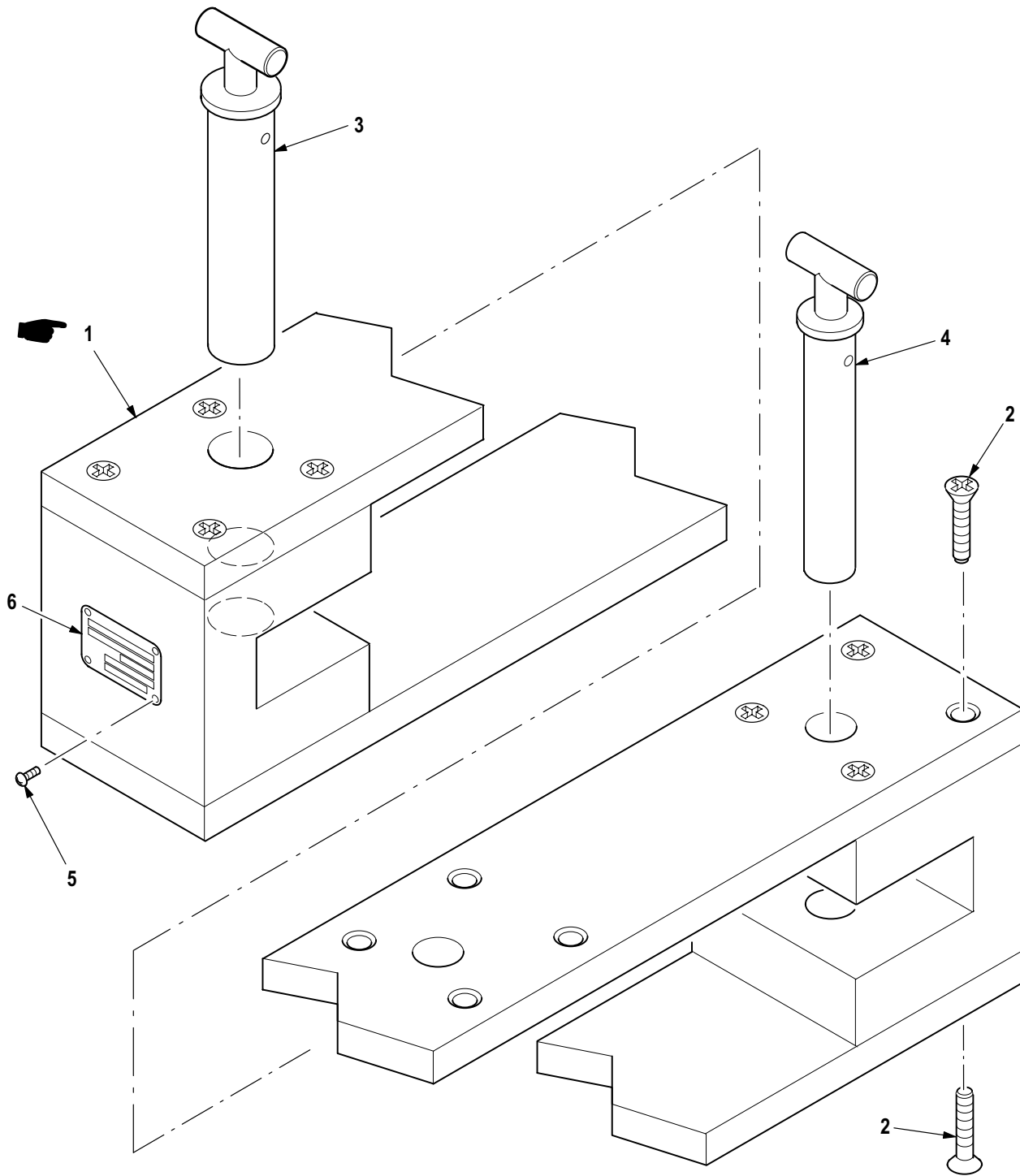
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 770 Packer Assembly, Main Rotor Bearing |            |
| 1                  | PDOOO              | 60168       | 140145             | • Lubricant Packer, Be .....   | 1          |
| 2                  | XDOZZ              | 39428       | 95868A245          | •• Screw, Cap, Socket He .....   | 8          |
| 3                  | PAOZZ              | 39428       | 94812A115          | •• Nut, Plain, Hexagon .....   | 8          |
| 4                  | PAOZA              | 39428       | 90295A120          | •• Washer, Flat .....  | 8          |
| 5                  | XDOZZ              | 53711       | 820-4551 181-1     | •• Packing, Preformed .....  | 8          |
| 6                  | PAOZZ              | 88044       | AN4C6A             | •• Bolt, Machine .....   | 8          |
| 7                  | PAOZZ              | 88044       | AN960C416          | •• Washer, Flat .....  | 8          |
| 8                  | PAOZZ              | 80205       | MS21318-27         | •• Screw, Drive .....  | 4          |
| 9                  | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....  | 1          |
| 10                 | PAOZZ              | 28968       | 6610M24            | •• Valve, Bleeder, Hydra .....   | 4          |
| 11                 | PAOZZ              | 96906       | MS29513-252        | •• O-Ring .....  | 1          |
| 12                 | PAOZZ              | 96906       | MS29513-261        | •• Packing, Preformed .....  | 1          |
| 13                 | PAOZZ              | 96906       | MS29513-267        | •• O-Ring .....  | 1          |
| 14                 | PAOZZ              | 96906       | MS29513-275        | •• O-Ring .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS24671-20         | •• Screw, Cap, Socket He .....   | 4          |
| 16                 | XDOZZ              | 60168       | 140148-1           | •• Lubricant Packer, Be .....  | 4          |
| 17                 | PAOZZ              | 96906       | MS15006-3          | •• Fitting, Lubrication .....  | 4          |
| 18                 | XAOZZ              | 60168       | 140147-1           | •• Cover, Bearing Packe .....  | 1          |
| 19                 | XAOZZ              | 60168       | 140146-1           | •• Plate, Bearing Packe .....  | 1          |
| 20                 | PAOZZ              | 96906       | MS124696           | ••• Insert, Screw Thread .....   | 8          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1250B

Figure 771. Group 80 Rod/Link Adjustment Tool Assembly, Right

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 771 Rod/Link Adjustment<br>Tool Assembly, Right |            |
| 1                  | PDOOO              | 60168       | 140134             | • Fixture, Aircraft Ma .....   | 1          |
| 2                  | PAOZZ              | 88044       | AN4-12A            | •• Bolt, Machine .....   | 8          |
| 3                  | PAOZZ              | 88044       | AN960-416          | •• Washer, Flat .....  | 32         |
| 4                  | PAOZZ              | 96906       | MS17829-4F         | •• Nut, Self-Locking, He .....   | 16         |
| 5                  | PAOZZ              | 80205       | NAS607-4-6P        | •• Pin, Straight, Hea .....  | 8          |
| 6                  | XDOZZ              | 60168       | 070023-1           | •• Plate, Identificatio .....  | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-1251D

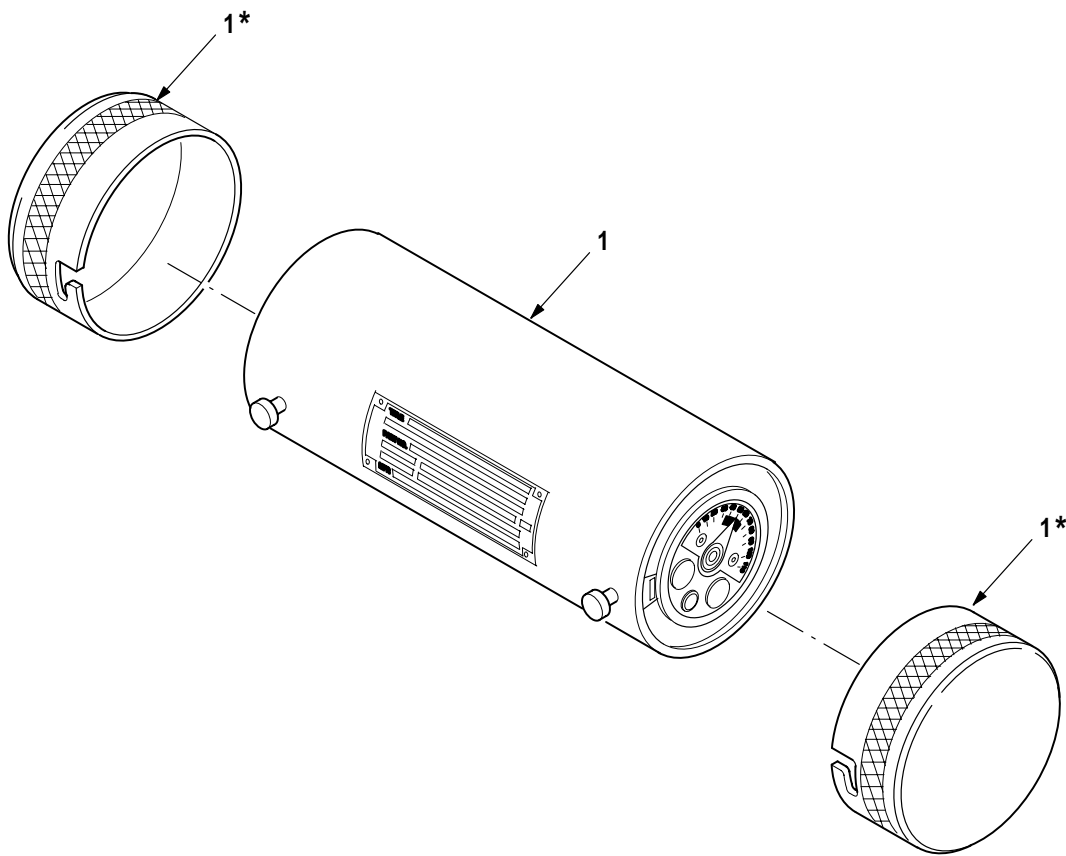
Figure 772. Group 80 Fixture, Shock Strut Restraining



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 772 Fixture, Shock Strut Restraining |            |
| 1                  | PDOOO              | 60168       | 140159             | • Fixture, Aircraft Ma .....  | 1          |
| 2                  | PAOZZ              | 56878       | 16990-8C-28        | •• Screw, Machine .....   | 16         |
| 3                  | XDOZZ              | 60168       | 140156             | •• Pin, Dia 1.75 Assy .....   | 1          |
| 4                  | XDOZZ              | 60168       | 140158             | •• Pin, Dia 1.25 Assy .....   | 1          |
| 5                  | PAOZZ              | 80205       | MS21318-27         | •• Screw, Drive .....   | 4          |
| 6                  | XDOZZ              | 60168       | 070030-1           | •• Ident Plate .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 773 Spring Compressor, Fork Assembly |            |
| 1                  | PDOOO              | 60168       | 140125             | • Fixture, Aircraft Ma . . . . .                                    | 1          |
| 2                  | PAOZZ              | 39428       | 92383A361          | •• Pin, Straight, Headle . . . . .                                  | 1          |
| 3                  | XDOZZ              | 60168       | 140124             | •• Hand Wheel Assy . . . . .  | 1          |
| 4                  | PAOZZ              | 96906       | MS16996-24         | •• Screw, Cap, Socket He . . . . .                                  | 4          |
| 5                  | PAOZZ              | 96906       | MS24694S102        | •• Screw, Machine . . . . .   | 1          |
| 6                  | PAOZZ              | 96906       | MS20392-5P29       | •• Pin, Straight, Headed . . . . .                                  | 5          |
| 7                  | PAOZZ              | 96906       | MS24665-300        | •• Pin, Cotter . . . . .  | 5          |
| 8                  | XDOZZ              | 60168       | 140109             | •• Eye Bolt, 4.25 . . . . .   | 2          |
| 9                  | XDOZZ              | 60168       | 140110             | •• Eye Bolt, 2.50 . . . . .   | 2          |
| 10                 | PAOZZ              | 99862       | CL-16725           | •• Knob . . . . .   | 2          |
| 11                 | PAOZZ              | 96906       | MS16995-81         | •• Screw, Cap, Socket He . . . . .                                  | 10         |
| 12                 | XDOZZ              | 60168       | 140111-1           | •• Rod Support . . . . .  | 1          |
| 13                 | PAOZZ              | 96906       | MS16996-9          | •• Screw, Cap, Socket He . . . . .                                  | 1          |
| 14                 | PAOZZ              | 96906       | MS15795-848        | •• Washer, Flat . . . . .   | 1          |
| 15                 | PAOZZ              | 16286       | SS1620-8           | •• Bearing, Sleeve . . . . .  | 1          |
| 16                 | XDOZZ              | 60168       | 140122             | •• Pusher, Cam . . . . .  | 1          |
| 17                 | PAOZZ              | 16286       | SF-1620-9          | •• Bearing, Sleeve . . . . .  | 1          |
| 18                 | PAOZZ              | 80205       | MS21318-27         | •• Screw, Drive . . . . .   | 4          |
| 19                 | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio . . . . .                                   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

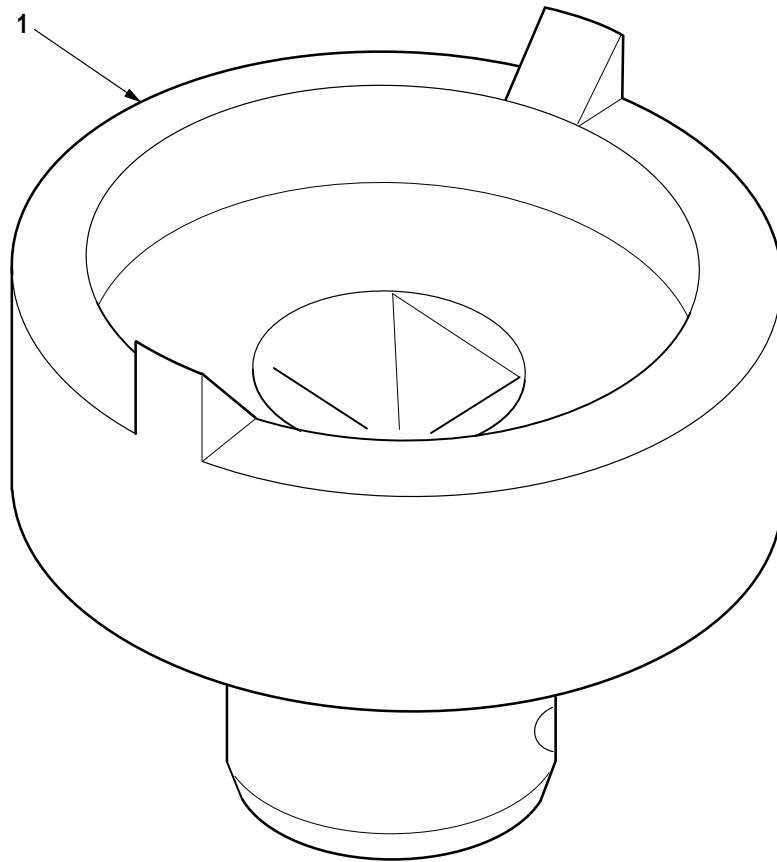


\* SUPPLIED WITH ATTACHED ITEM

M09-1333

Figure 774. Group 80 Test Set, Pylon Ejector

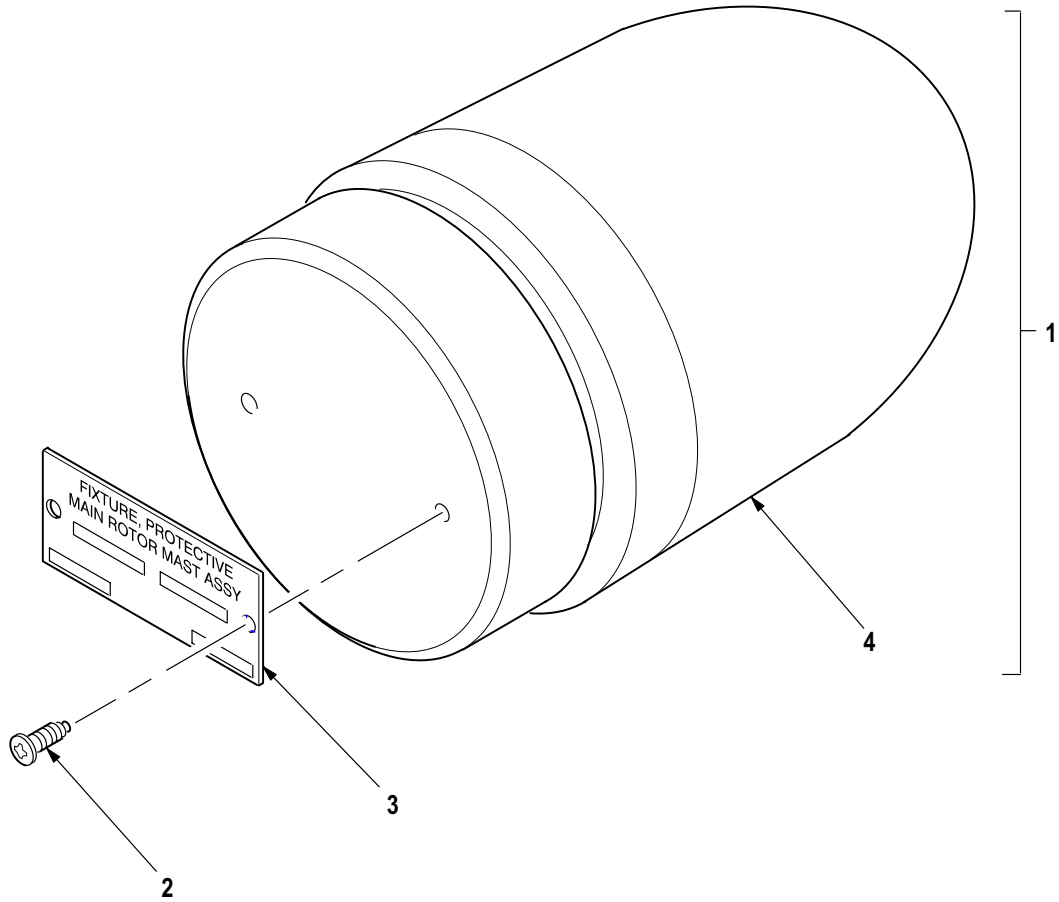
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | PBODD              | 76793       | 2952D24393         | Group 80 Special Tools<br>Fig. 774 Test Set, Pylon Ejector<br>• Test Set, Pylon Ejec .....<br>END OF FIGURE | 1          |



M09-1332

Figure 775. Group 80 Socket, Wrench, Main Transmission

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | PBFZZ              | 02731       | 7-3621 10209       | Group 80 Special Tools<br>Fig. 775 Socket, Wrench, Main Transmission<br>• Socket, Wrench, Face .....<br>END OF FIGURE | 1          |

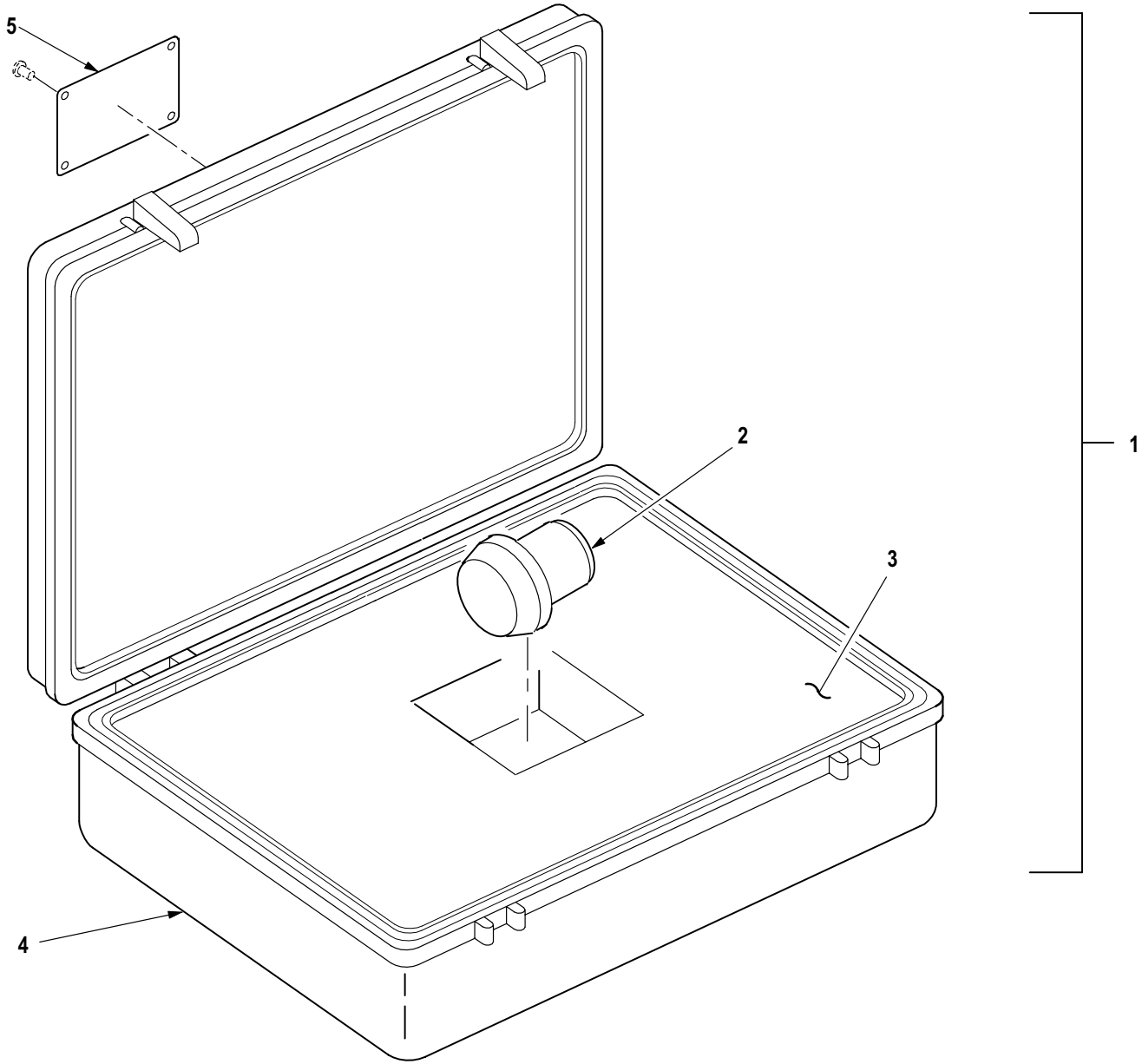


M09-1331

Figure 776. Group 80 Fixture, Protective, Main Rotor Mast



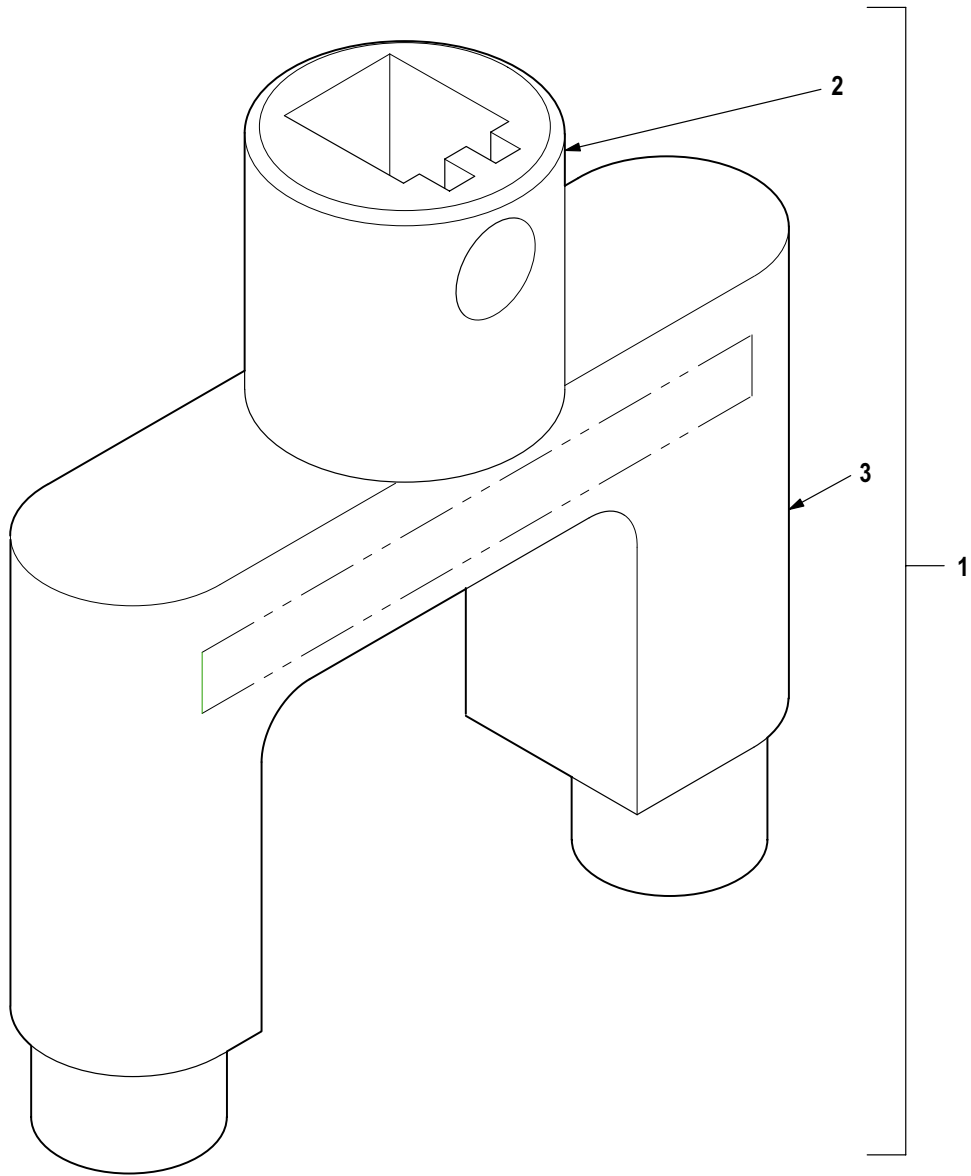
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 776 Fixture, Protective, Main Rotor Mast |            |
| 1                  | PAOOO              | 60168       | 140106             | • Fixture, Aircraft Ma .....  | 1          |
| 2                  | PAOZZ              | 96906       | MS51861-12C        | •• Screw, Tapping .....   | 2          |
| 3                  | XDOZZ              | 60168       | 070023-1           | •• Plate, Identificatio .....   | 1          |
| 4                  | XDOOO              | 60168       | 140107             | •• Fixture, Aircraft Ma .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1330

Figure 777. Group 80 Plug, Seal Kit

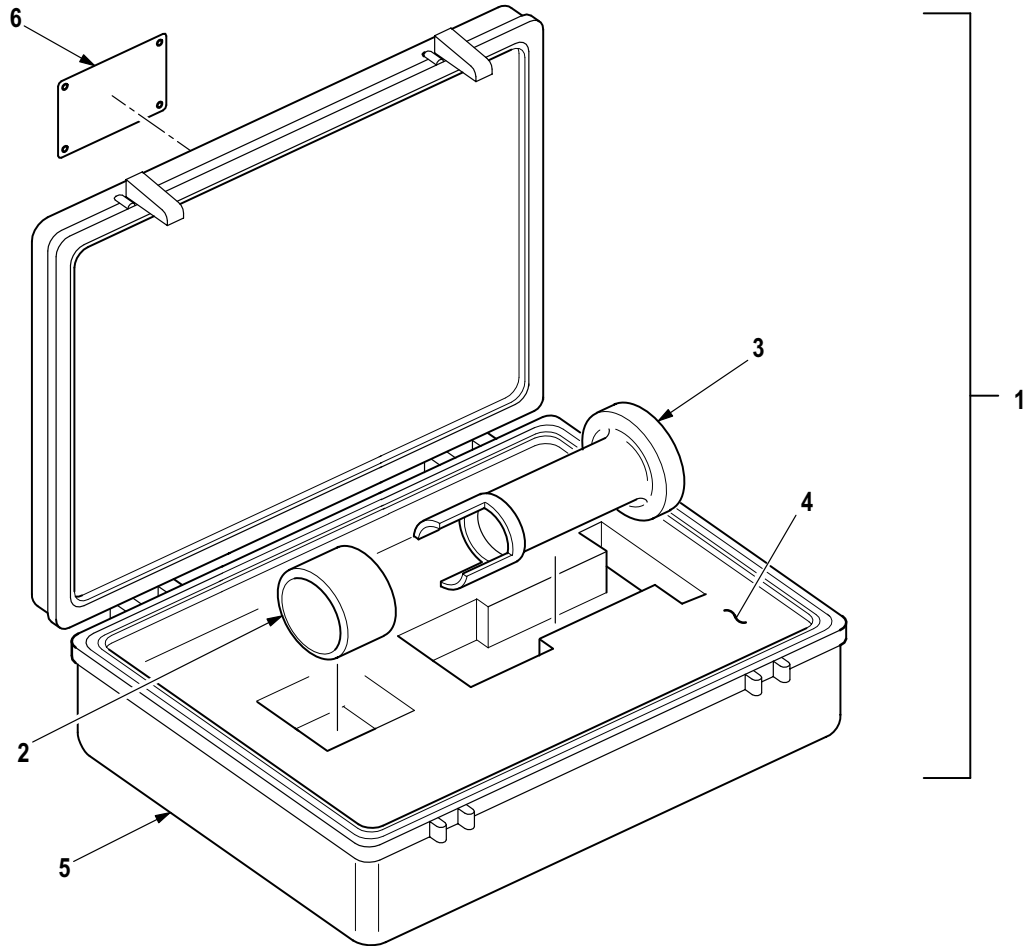
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 777 Plug, Seal Kit |            |
| 1                  | PAOFF              | 60168       | 140057             | • Maintenance Kit, Air .....                      | 1          |
| 2                  | XDFZZ              | 60168       | 140031             | •• Plug, Leakproof Seal .....                     | 1          |
| 3                  | XDFZZ              | 60168       | 140056             | •• Insert, Packaging .....                        | 1          |
| 4                  | XDFZZ              | 51021       | PP-500             | •• Tool Box, Portable .....                       | 1          |
| 5                  | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                     | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1336

Figure 778. Group 80 Wrench, Socket, Anti Flail Bearing

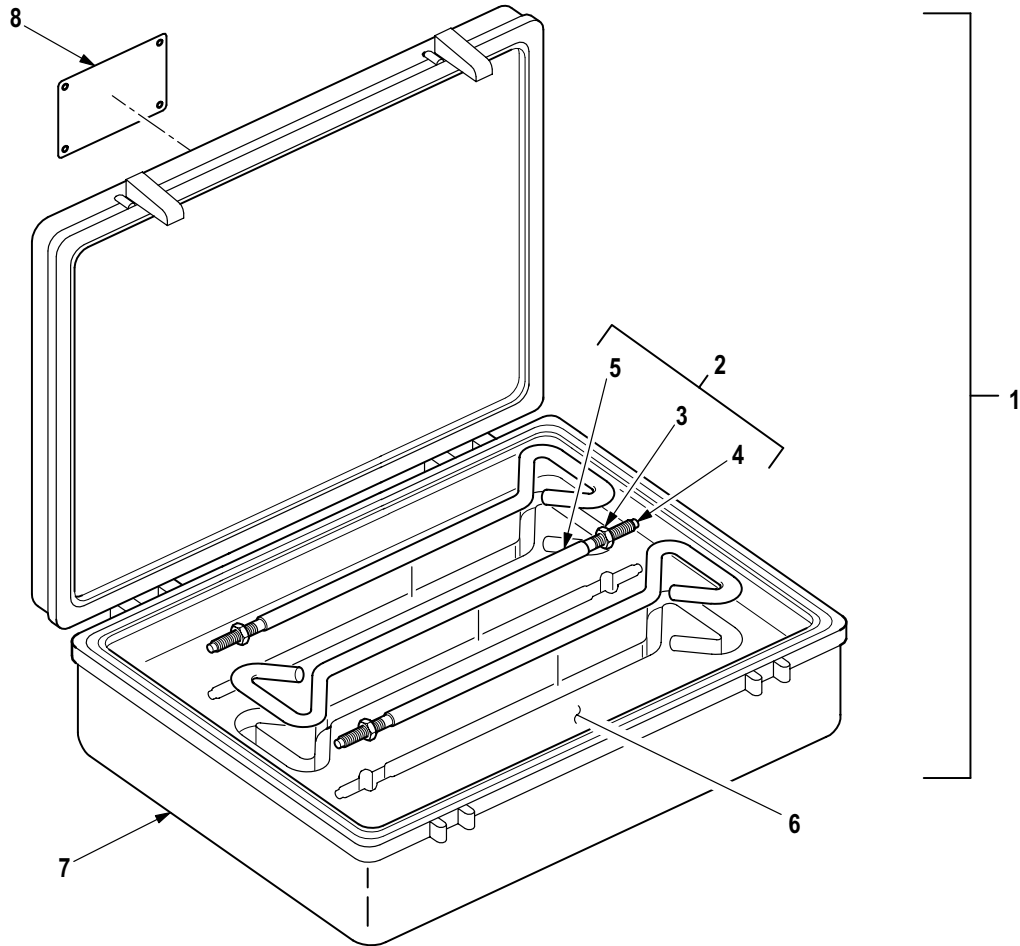
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
| 1                  | XDOFF              | 60168       | 140069             | Group 80 Special Tools<br>Fig. 778 Wrench, Socket, Anti Flail Bearing | 1          |
| 2                  | XDFZZ              | 60168       | 140068             | • Wrench, Open End, Box .....   | 1          |
| 3                  | XDFZZ              | 60168       | 140067             | •• Drive .....  | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1335

Figure 779. Group 80 Compressor, Rotor Brake, Set

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 779 Compressor, Rotor Brake, Set |            |
| 1                  | PAOFF              | 60168       | 140034             | • Maintenance Kit, Ai . . . . .                                 | 1          |
| 2                  | PAFZZ              | 60168       | 140033             | •• Pipe, Metallic . . . . .                                     | 1          |
| 3                  | XDFZZ              | 60168       | 140032             | •• Lifter, Valve Spring . . . . .                               | 1          |
| 4                  | XDFZZ              | 60168       | 140102             | •• Insert, Packaging . . . . .                                  | 1          |
| 5                  | XDFZZ              | 51021       | PP-500             | •• Tool Box, Portable . . . . .                                 | 1          |
| 6                  | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio . . . . .                               | 1          |
| END OF FIGURE      |                    |             |                    |   |            |

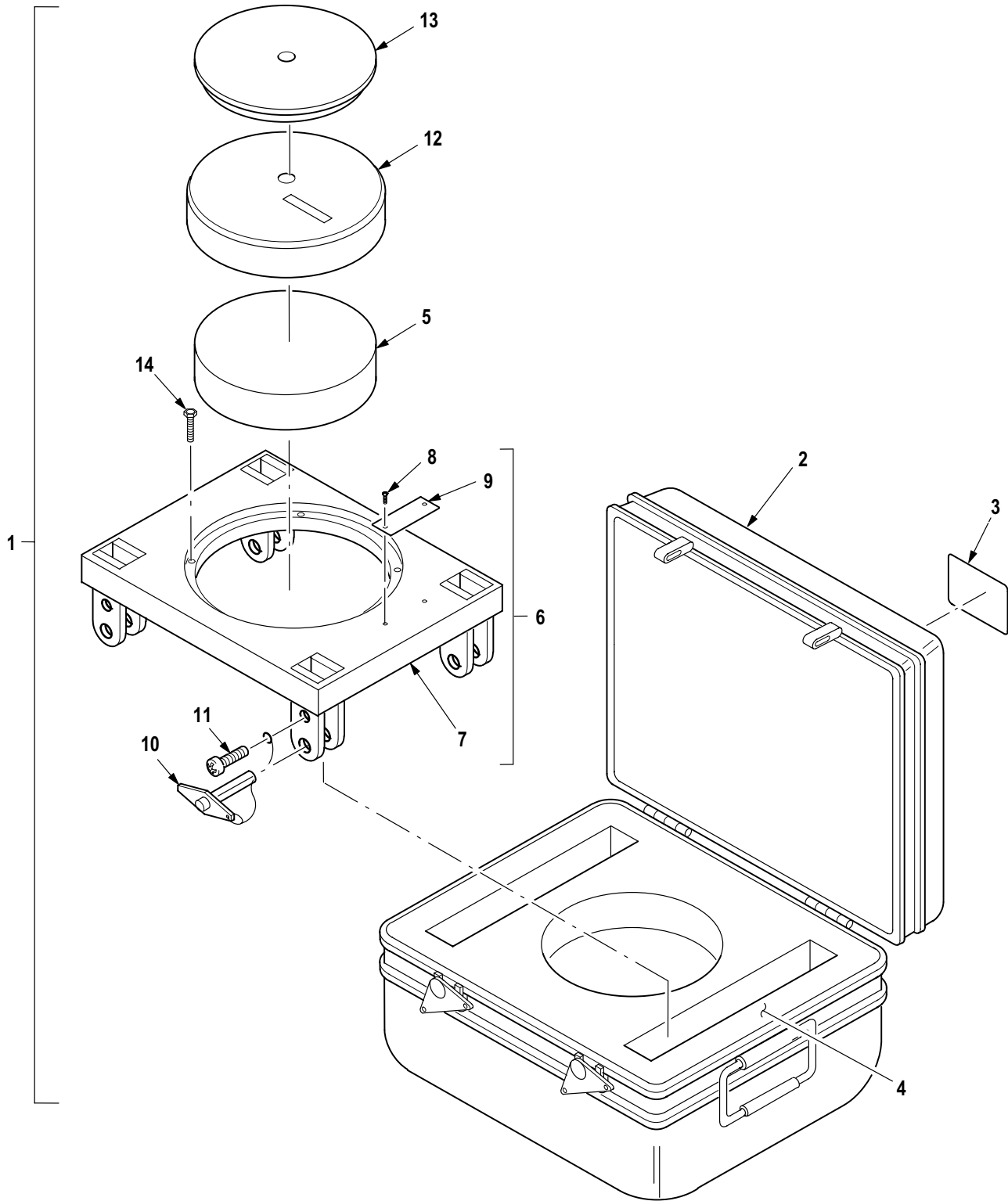


M09-1334

Figure 780. Group 80 Set, Jackscrew



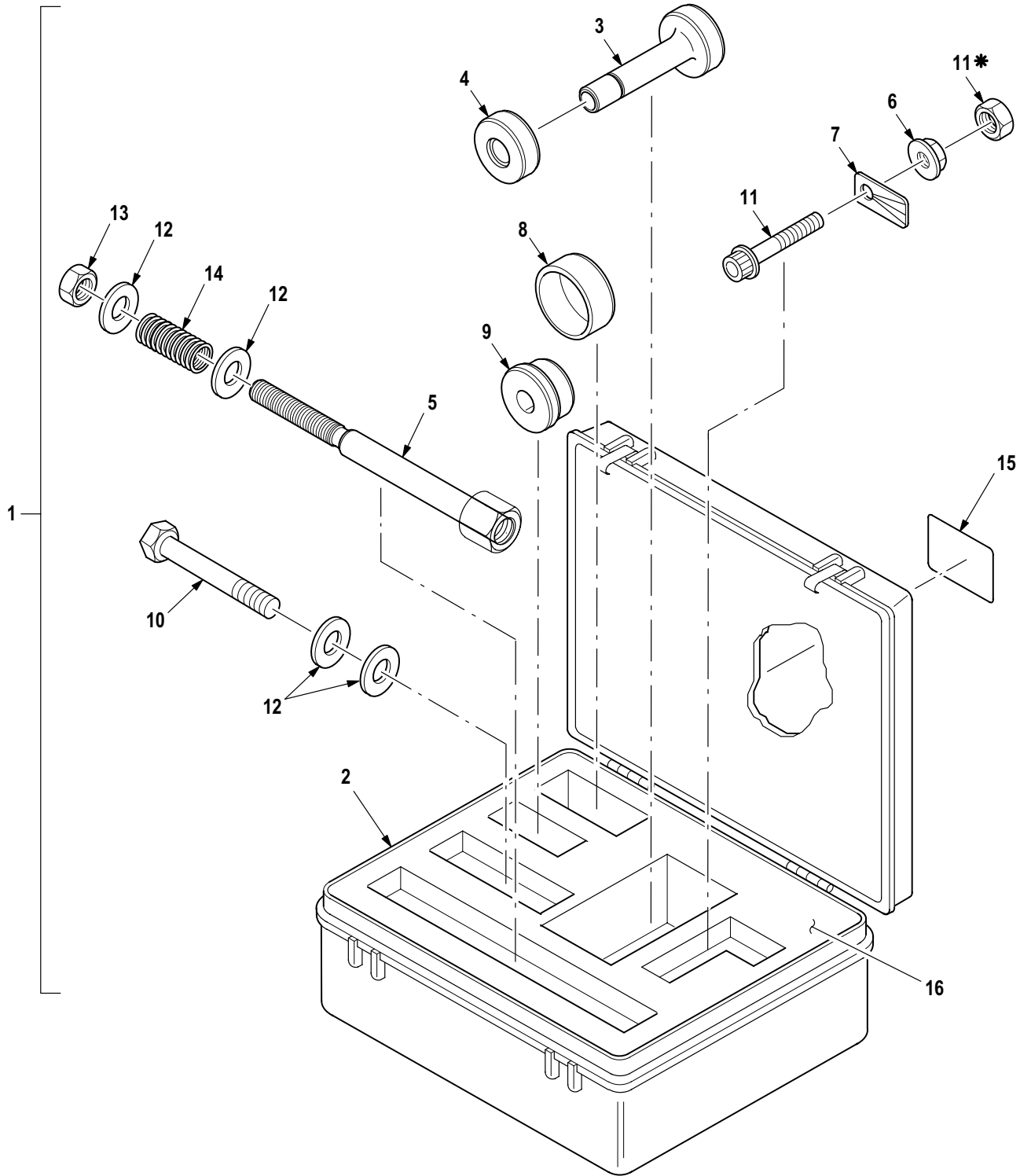
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780 Set, Jackscrew |            |
| 1                  | PAFFF              | 60168       | 140052             | · Maintenance Kit, Air .....                      | 1          |
| 2                  | XDFZZ              | 60168       | 140011             | ·· Jackscrew .....                                | 3          |
| 3                  | PAFZZ              | 96906       | MS51972-1          | ··· Nut, Plain, Hexagon .....                     | 1          |
| 4                  | XAFZZ              | 60168       | 140010             | ··· Button .....                                  | 1          |
| 5                  | XDFZZ              | 60168       | 140009             | ··· Jack, Screw, Hand .....                       | 1          |
| 6                  | XDFZZ              | 60168       | 140053             | ·· Insert, Packaging .....                        | 1          |
| 7                  | XDFZZ              | 51021       | PP-1400            | ·· Box .....                                      | 1          |
| 8                  | XDFZZ              | 65442       | 0003-86-0006       | ·· Plate, Ident .....                             | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1345

Figure 780A. Tool Kit, Aircraft Lower Bearing Seal Installation/Removal

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780A Tool Kit, Aircraft Lower Bearing Seal<br>Installation/Removal |            |
| 1                  | PAOOZ              | 60168       | 140165             | • Tool Kit, Aircraft M .....  | 1          |
| 2                  | XDFZZ              | 60168       | 1915N              | •• Case .....   | 1          |
| 3                  | XDFZZ              | 60168       | 070031             | •• Label, Ident .....   | 1          |
| 4                  | XDFZZ              | 60168       | 140199             | •• Insert, Bearing .....  | 1          |
| 5                  | XDFZZ              | 60168       | 140200             | •• Insert, Packaging .....  | 1          |
| 6                  | XDFZZ              | 60168       | 140193             | •• Plate, Assembly .....  | 1          |
| 7                  | XDFZZ              | 60168       | 140190             | ••• Plate, Mounting .....   | 1          |
| 8                  | XDFZZ              | 80205       | MS21318-27         | ••• Screw, Drive .....  | 1          |
| 9                  | XDFZZ              | 60168       | 070023-1           | ••• Plate, Identificatio .....  | 1          |
| 10                 | PAFZZ              | 99682       | CL-10-BLPT 2.00-C  | ••• Pin, Quick Release .....  | 1          |
| 11                 | PAFZZ              | 96906       | MS35207-261        | ••• Screw, Machine .....  | 4          |
| 12                 | XDFZZ              | 60168       | 140189             | •• Pusher, Seal .....   | 1          |
| 13                 | XDFZZ              | 60168       | 140192             | •• Installation Tool, S .....   | 1          |
| 14                 | XDFZZ              | 60168       | 140194             | •• Screw, Machine .....   | 4          |
| END OF FIGURE      |                    |             |                    |   |            |

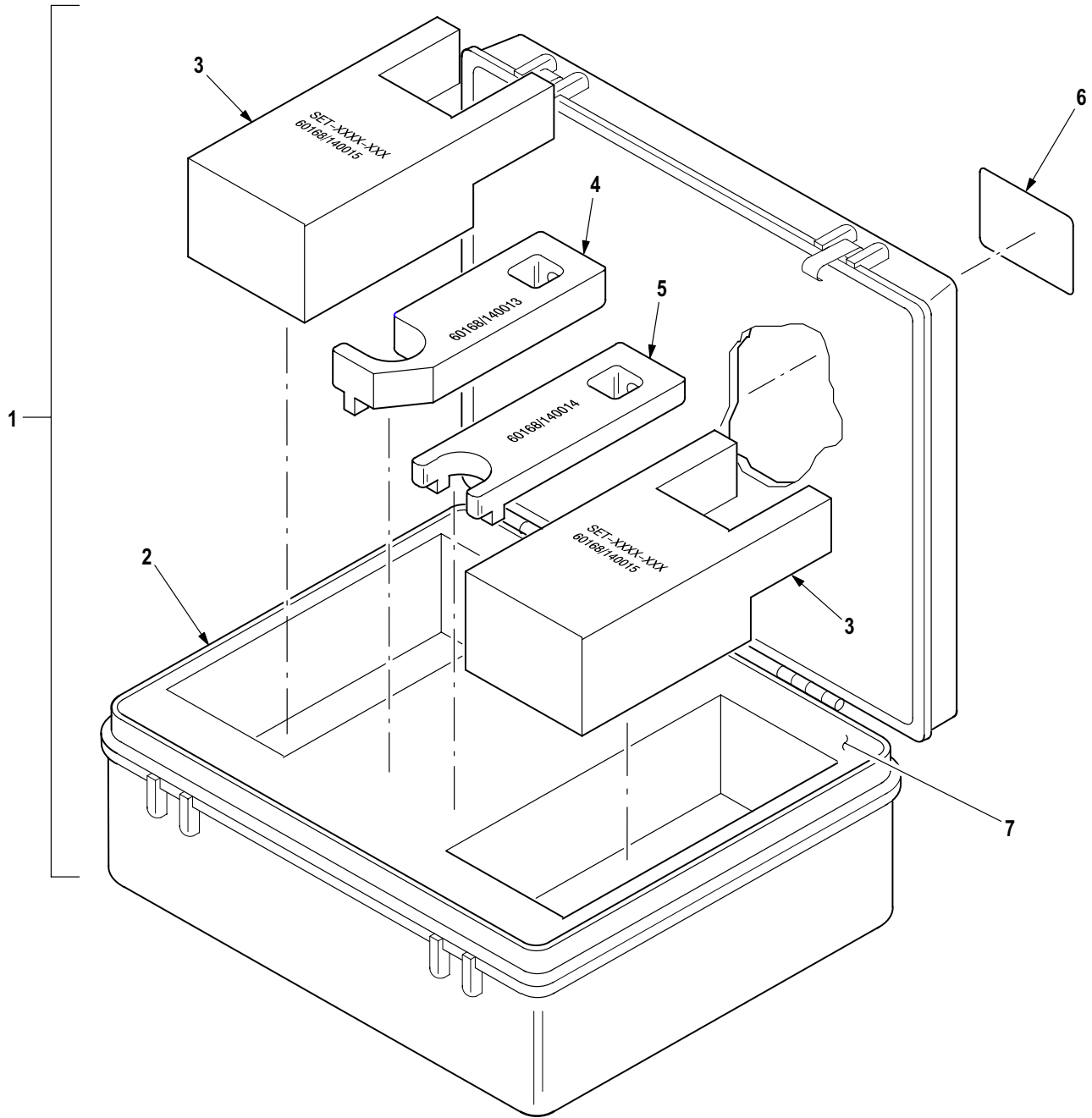


\* SUPPLIED WITH ATTACHED ITEM

M09-1346

Figure 780B. Group 80 Tool Kit, Tail Rotor Fork Resilient Mount Installation/Removal

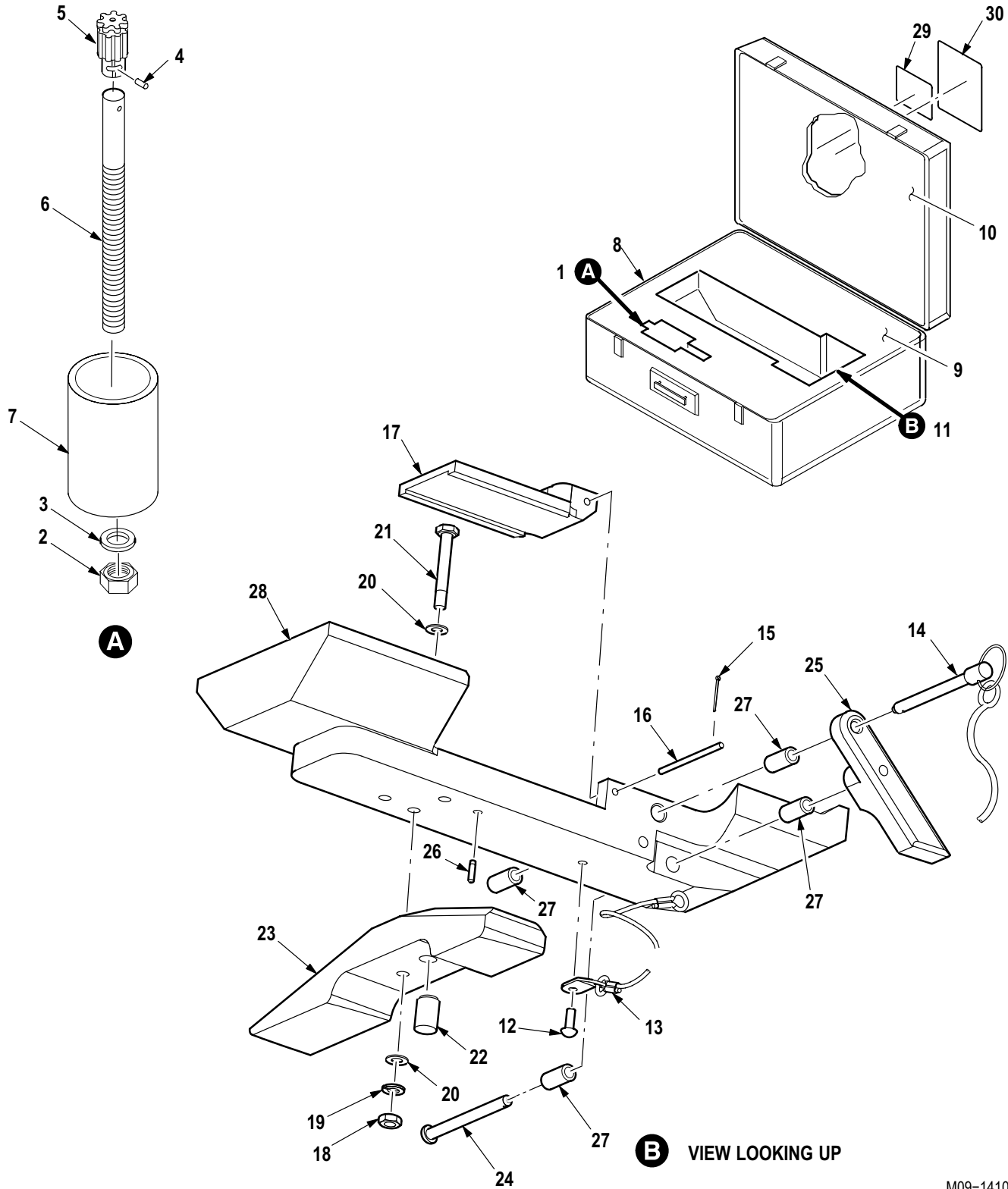
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780B Tool Kit, Tail Rotor Fork Resilient<br>Mount Installation/Removal |            |
| 1                  | PAFFF              | 60168       | 140048             | • Tool Kit, Aircraft M .....  | 1          |
| 2                  | XDFZZ              | 51021       | PP-1400            | •• Box .....  | 1          |
| 3                  | XDFZZ              | 60168       | 140043             | •• Spreader .....   | 1          |
| 4                  | XDFZZ              | 60168       | 140044             | •• Nut, Spreader .....  | 1          |
| 5                  | XDFZZ              | 60168       | 140045             | •• Nut, Spreader .....  | 1          |
| 6                  | PAFZZ              | 60168       | 140047             | •• Nut, Plain, Round .....  | 1          |
| 7                  | XDFZZ              | 60168       | 140046             | •• Plate, Cage .....  | 1          |
| 8                  | XDFZZ              | 60168       | 140041             | •• Sleeve .....   | 1          |
| 9                  | XDFZZ              | 60168       | 140042             | •• Pusher .....   | 1          |
| 10                 | PAFZZ              | 80204       | B1821BH050C400N    | •• Screw, Cap, Hexagon H .....  | 1          |
| 11                 | PAFZZ              | 39428       | 91272A722          | •• Screw, Cap, Hexagon H .....  | 1          |
| 12                 | PAFZZ              | 96906       | MS15795-818        | •• Washer, Flat .....   | 4          |
| 13                 | PAFZZ              | 96906       | MS51967-14         | •• Nut, Plain, Hexagon .....  | 1          |
| 14                 | PAFZZ              | 84830       | LC-098K-3SS        | •• Spring, Helical, Comp .....  | 1          |
| 15                 | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....   | 1          |
| 16                 | XDFZZ              | 60168       | 140049             | •• Insert .....   | 1          |
| END OF FIGURE      |                    |             |                    |   |            |



M09-1347

Figure 780C. Group 80 Tool Kit, Aircraft

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780C Tool Kit, Aircraft |            |
| 1                  | PAFFF              | 60168       | 140016             | • Tool Kit Aircraft M .....                            | 1          |
| 2                  | XDFZZ              | 51021       | PP-500             | •• Tool Box, Portable .....                            | 1          |
| 3                  | XDFZZ              | 60168       | 140015             | •• Gage Blocks .....                                   | 1          |
| 4                  | XDFZZ              | 60168       | 140013             | •• Torque Adapter .....                                | 1          |
| 5                  | XDFZZ              | 60168       | 140014             | •• Torque Adapter .....                                | 1          |
| 6                  | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                          | 1          |
| 7                  | XDFZZ              | 60168       | 140022             | •• Insert, Box .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |

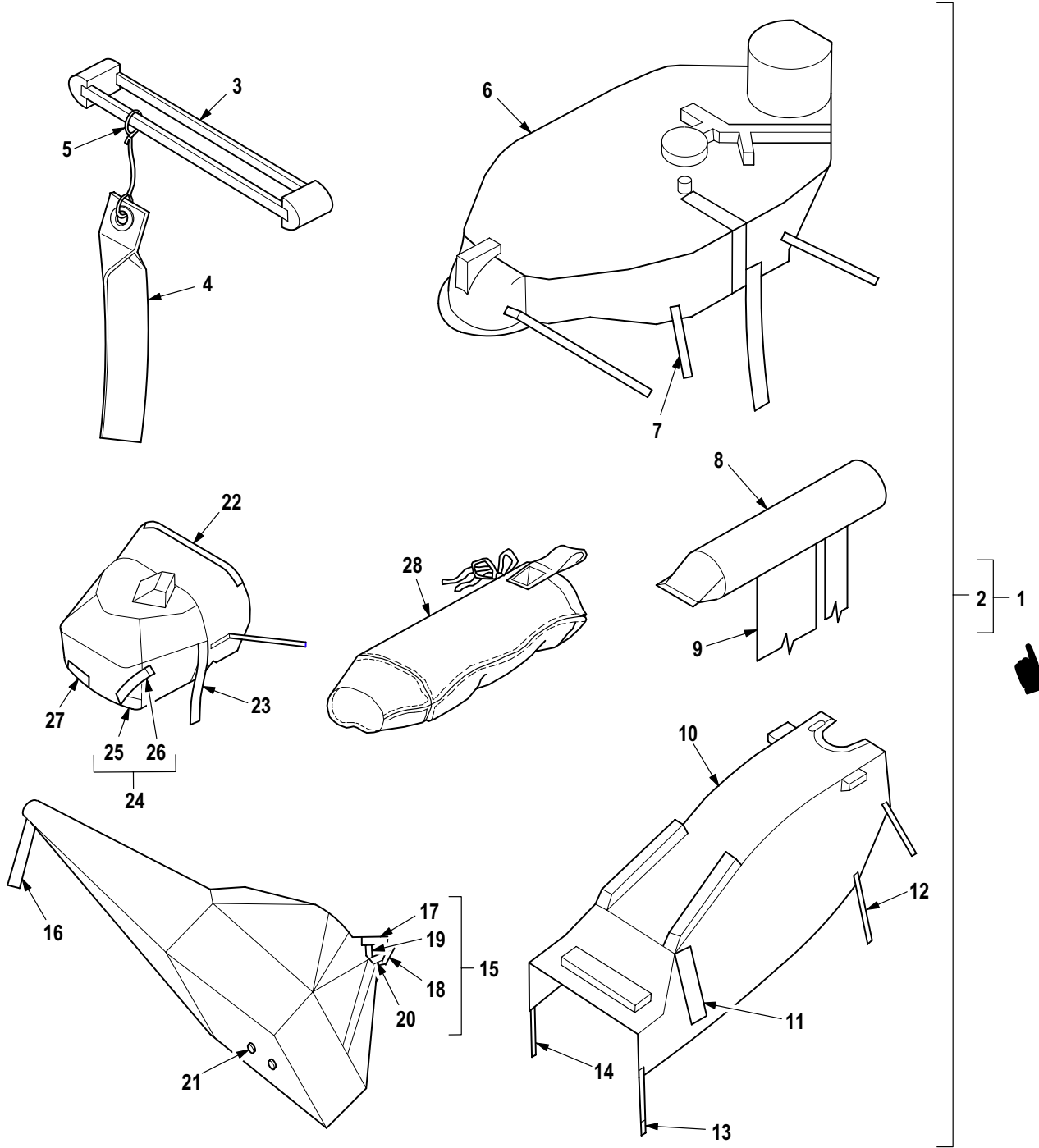


M09-1410

Figure 780D. Group 80 Tool Kit, Aircraft  
7-562126001-601  
Kit, Generator Removal



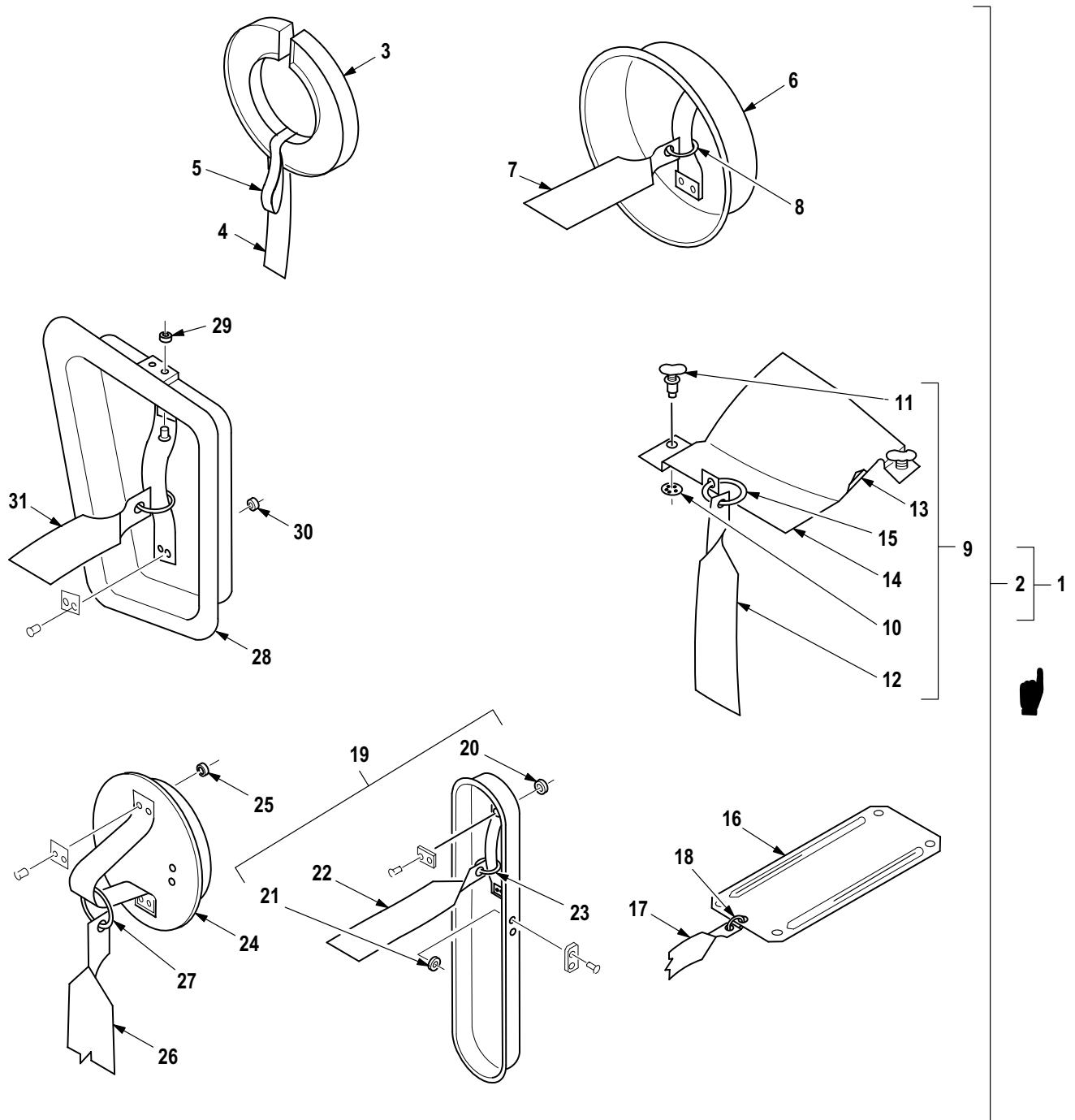
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Flg. 780D<br>Kit, Generator Removal<br>7-562126001-601<br>(See Fig. 714 for NHA) |            |
| 1                  | PAOOO              | 8V613       | 7-562126002-601    | • Removal Tool, Spline .....   | 1          |
| 2                  | PAOZZ              | 88044       | AN315-6R           | •• Nut, Plain, Hexagon .....   | 1          |
| 3                  | PAOZZ              | 80205       | NAS1149F0663P      | •• Washer, Flat .....  | 1          |
| 4                  | PAOZZ              | 80205       | MS16562-4          | •• Pin, Spring .....   | 1          |
| 5                  | PAOZZ              | 8V613       | 7-562126002-005    | •• Indexer .....   | 1          |
| 6                  | XDOZZ              | 8V613       | 7-562126002-003    | •• Screw, Removal Tool .....   | 1          |
| 7                  | XDOZZ              | 8V613       | 7-562126002-001    | •• Collar .....  | 1          |
| 8                  | PAOOO              | 8V613       | 7-562126004-601    | • Container, HDLG .....  | 1          |
| 9                  | XDOZZ              | 8V613       | 7-562126004-003    | •• Cushion, Base .....   | 1          |
| 10                 | XDOZZ              | 8V613       | 7-562126004-001    | •• Cushion, Lid .....  | 1          |
| 11                 | PAOOO              | 8V613       | 7-562126003-601    | • Cradle, Generator .....  | 1          |
| 12                 | PAOZZ              | 96906       | MS21318-47         | •• Screw, Drive .....  | 1          |
| 13                 | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly .....  | 1          |
| 14                 | PAOZZ              | 99862       | CL-4-DEP-2.50-S    | •• Pin, Quick Release .....  | 1          |
| 15                 | PAOZZ              | 96906       | MS24665-134        | •• Pin, Cotter .....   | 1          |
| 16                 | PAOZZ              | 8V613       | 7-562126003-009    | •• Pin .....   | 1          |
| 17                 | PAOZZ              | 8V613       | 7-562126003-007    | •• Shim .....  | 1          |
| 18                 | PAOZZ              | 88044       | AN316C4R           | •• Nut, Plain, Hexagon .....   | 1          |
| 19                 | PAOZZ              | 96906       | MS35338-44         | •• Washer, Lock .....  | 1          |
| 20                 | PAOZZ              | 80205       | NAS1149C0432R      | •• Washer, Flat .....  | 2          |
| 21                 | PAOZZ              | 80205       | NAS6304-22         | •• Bolt, Shear .....   | 1          |
| 22                 | PAOZZ              | 99862       | CL-70-SBPN-3       | •• Ball Plunger .....  | 1          |
| 23                 | XDOZZ              | 8V613       | 7-562126003-003    | •• Leg, Back .....   | 1          |
| 24                 | PAOZZ              | 96906       | MS20392-3R89       | •• Pin, Straight, Headed .....   | 1          |
| 25                 | XDOZZ              | 8V613       | 7-562126003-005    | •• Leg, Front .....  | 1          |
| 26                 | PAOZZ              | 96906       | MS16556-27         | •• Pin, Straight, Headl .....  | 1          |
| 27                 | PAOZZ              | 80205       | NAS75-4-026        | •• Bushing, Sleeve .....   | 4          |
| 28                 | XDOZZ              | 8V613       | 7-562126003-001    | •• Fixture .....   | 1          |
| 29                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....   | 1          |
| 30                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Ident .....   | 1          |
| END OF FIGURE      |                    |             |                    |  |            |



M09-763F

Figure 781. Group 82 Tie Down Kit, Aircraft (Part 1)

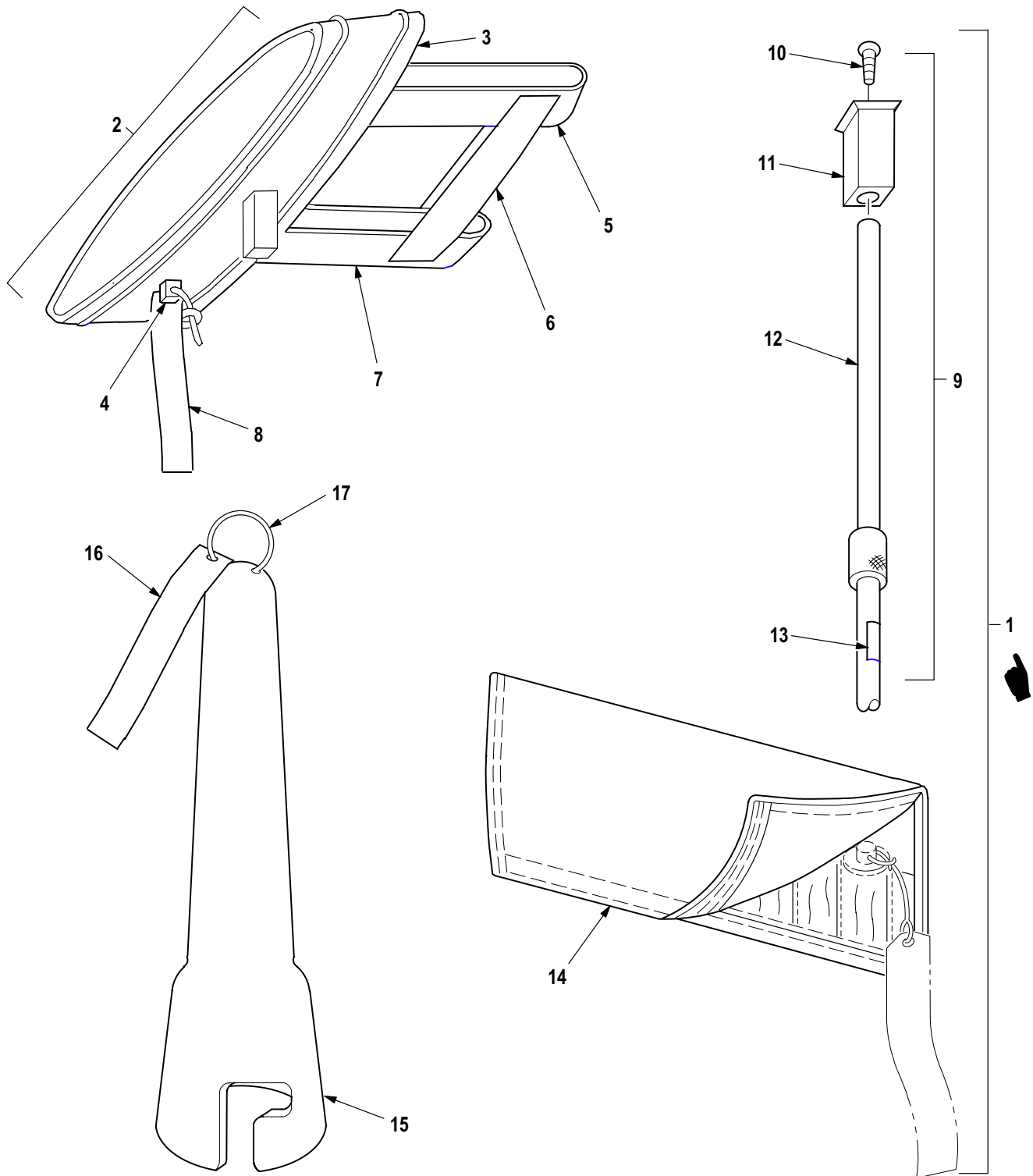
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 781 Tie Down Kit, Aircraft (Part 1) |            |
| 1                  | PBOOO              | 02731       | 7-262100004-61 1   | · Tie Down Kit, Aircra .....                                       | 1          |
| 2                  | AOOOO              | 02731       | 7-2621 10005-609   | ·· Kit, Prot Cov, Acft .....                                       | 1          |
| 3                  | PAOOO              | 38508       | 1680-AH64-008      | ··· Cover, Aircraft Grou .....                                     | 1          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 5                  | XDOZZ              | 02731       | HS4954-01          | ···· Ring, Connecting, Rou .....                                   | 1          |
| 6                  | PAOOO              | 02731       | 7-362120009-603    | ··· Cover, Aircraft Grou .....                                     | 1          |
| 7                  | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 2          |
| 8                  | PAOZZ              | 81996       | 1680-AH64-007      | ··· Cover Assembly, Pito .....                                     | 2          |
| 9                  | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 10                 | PAOOO              | 02731       | 7-362120008-87     | ··· Cover, Aircraft Grou .....                                     | 1          |
| 11                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 2          |
| 12                 | MOOZZ              | 02731       | 7-362120008-73     | ···· Boot .....  | 1          |
| 13                 | MOOZZ              | 02731       | 7-362120008-75     | ···· Boot .....  | 1          |
| 14                 | MOOZZ              | 02731       | 7-362120008-77     | ···· Boot .....  | 1          |
| 15                 | PAOOO              | 38508       | 1680-AH64-003      | ··· Cover, Access .....  | 1          |
| 16                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 17                 | MOOZZ              | 02731       | 7-262120017-37     | ···· Tape Hook .....   | 1          |
| 18                 | MOOZZ              | 02731       | 7-262120017-47     | ···· Tape Pile .....   | 1          |
| 19                 | MOOZZ              | 02731       | 7-262120017-49     | ···· Tape Pile .....   | 1          |
| 20                 | MOOZZ              | 02731       | 7-262120017-51     | ···· Tape Hook .....   | 1          |
| 21                 | PAOZZ              | 96906       | MS20230BP20        | ···· Grommet, Metallic .....                                       | 2          |
| 22                 | PAOOO              | 81996       | 1680-AH64-004      | ··· Cover, Aircraft Grou .....                                     | 1          |
| 23                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 2          |
| 24                 | MOOOO              | 02731       | 7-362120006-37     | ···· Strap Assembly .....  | 1          |
| 25                 | MOOZZ              | 02731       | 7-362120006-39     | ···· Strap .....   | 1          |
| 26                 | MOOZZ              | 02731       | 7-362120006-41     | ···· Tape, Hook .....  | 1          |
| 27                 | MOOZZ              | 02731       | 7-362120006-43     | ···· Tape, Pile .....  | 1          |
| 28                 | PAOZZ              | 02731       | 7-362300026        | ·· Cover, Environmental .....                                      | 5          |
|                    |                    |             |                    | END OF FIGURE  |            |



M09-764D

Figure 782. Group 82 Tie Down Kit, Aircraft (Part 2)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 782 Tie Down Kit, Aircraft (Part 2) |            |
| 1                  | PBOOO              | 02731       | 7-262100004-61 1   | · Tie Down Kit, Aircra .....                                       | 1          |
| 2                  | AOOOO              | 02731       | 7-2621 10005-609   | ·· Kit, Prot Cov, Acft .....                                       | 1          |
| 3                  | PAOOO              | 02731       | 7-262120014-601    | ··· Shield, Prot-Eng Inl .....                                     | 2          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 5                  | PAOZZ              | 02731       | 7-262120014-17     | ···· Strap, Webbing .....  | 1          |
| 6                  | PAOOO              | 02731       | 7-26212001 1       | ··· Cover, Aircraft Grou .....                                     | 2          |
| 7                  | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 8                  | XDOZZ              | 02731       | HS4954-01          | ···· Ring, Connecting, Rou .....                                   | 1          |
| 9                  | PAOOO              | 02731       | 7-262120012-9      | ··· Cover, Access .....  | 1          |
| 10                 | XAOZZ              | 02731       | HS4432-2           | ···· Push On Nut .....   | 2          |
| 11                 | XAOZZ              | 71286       | 2600-3W            | ···· Stud Assembly, Turnl .....                                    | 2          |
| 12                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 13                 | XAOZZ              | 02731       | 7-262120012-5      | ···· Tube .....  | 1          |
| 14                 | XAOZZ              | 02731       | 7-262120012-7      | ···· Cover .....   | 1          |
| 15                 | XDOZZ              | 02731       | HS4954-01          | ···· Ring, Connecting, Rou .....                                   | 1          |
| 16                 | PAOOO              | 02731       | 7-262120013        | ··· Cover, Aircraft Grou .....                                     | 2          |
| 17                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 18                 | XDOZZ              | 02731       | HS4954-01          | ··· Ring, Connecting, Rou .....                                    | 4          |
| 19                 | PAOOO              | 02731       | 7-362120016        | ··· Cover, Aircraft Grou .....                                     | 6          |
| 20                 | PAOZZ              | 88044       | AN960KD3           | ···· Washer, Flat .....  | 4          |
| 21                 | PAOZZ              | 88044       | AN960KD4           | ···· Washer, Flat .....  | 4          |
| 22                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 23                 | XDOZZ              | 02731       | HS4954-01          | ···· Ring, Connecting, Rou .....                                   | 1          |
| 24                 | PAOOO              | 02731       | 7-262120018        | ··· Kit, Protective Cove .....                                     | 1          |
| 25                 | PAOZZ              | 88044       | AN960JD4           | ···· Washer, Flat .....  | 6          |
| 26                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
| 27                 | XDOZZ              | 02731       | HS4954-01          | ···· Ring, Connecting, Rou .....                                   | 1          |
| 28                 | PAOOO              | 02731       | 7-362120015-1 1    | ··· Guard, Muffler-Exhau .....                                     | 1          |
| 29                 | PAOZZ              | 88044       | AN960KD3           | ···· Washer, Flat .....  | 4          |
| 30                 | PAOZZ              | 88044       | AN960KD4           | ···· Washer, Flat .....  | 4          |
| 31                 | PAOZZ              | 80205       | NAS1756-24         | ···· Streamer, Warning .....                                       | 1          |
|                    |                    |             |                    | END OF FIGURE  |            |



M09-765D

Figure 783. Group 82 Tie Down Kit, Aircraft (Part 3)

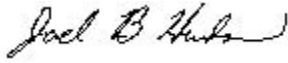
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 783 Tie Down Kit, Aircraft (Part 3) |            |
| 1                  | PBOOO              | 02731       | 7-262100004-61 1   | · Tie Down Kit, Aircra . . . . .                                   | 1          |
| 2                  | PAOOO              | 81996       | 1680-AH64-009-1    | ·· Tie Down, Rotary Win . . . . .                                  | 4          |
| 3                  | XAOZZ              | 02731       | 7-2621 10002-43    | ··· Sock Assy . . . . .  | 1          |
| 4                  | MOOZZ              | 02731       | 7-2621 10002-17    | ··· Tether . . . . .   | 1          |
| 5                  | XAOZZ              | 02731       | 7-2621 10002-19    | ··· Strap . . . . .  | 1          |
| 6                  | XAOZZ              | 02731       | 7-2621 10002-21    | ··· Strap . . . . .  | 1          |
| 7                  | XAOZZ              | 02731       | 7-2621 10002-25    | ··· Strap . . . . .  | 2          |
| 8                  | PAOZZ              | 80205       | NAS1756-24         | ··· Streamer, Warning . . . . .                                    | 1          |
| 9                  | PAOOO              | 02731       | 7-2621 10004       | ·· Pole, Blade Handling . . . . .                                  | 1          |
| 10                 | PAOZZ              | 96906       | MS51960-83         | ··· Screw, Machine . . . . .                                       | 1          |
| 11                 | XDOZZ              | 08844       | AM2661-2-3         | ··· End Assembly . . . . .   | 1          |
| 12                 | XDOZZ              | 08844       | AMA2661-2          | ··· Strut Assy . . . . .   | 1          |
| 13                 | XDOZZ              | 08844       | AM2661-2-61        | ···· Decal, Ident . . . . .  | 1          |
| 14                 | PAOZZ              | 02731       | 7-3621 10006       | ·· Pouch, Stowage . . . . .  | 1          |
| 15                 | PAOOO              | 8V613       | 7-362120179-1      | ·· Cover, Aircraft Grou . . . . .                                  | 1          |
| 16                 | PAOZZ              | 80205       | NAS1756-12         | ··· Streamer, Warning . . . . .                                    | 1          |
| 17                 | PAOZZ              | 96906       | MS51844-62         | ··· Swaging Sleeve, Wire . . . . .                                 | 1          |
| END OF FIGURE      |                    |             |                    |  |            |





**By Order of the Secretary of the Army:**

Official:



JOEL B. HUDSON  
*Administrative Assistant to the  
Secretary of the Army*

01894

DENNIS J. REIMER  
*General, United States Army  
Chief of Staff*

Distribution:

To be distributed in accordance with Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.



## ***These are the instructions for sending an electronic 2028***

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however, only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" [whomever@avma27.army.mil](mailto:whomever@avma27.army.mil)  
To: [2028@redstone.army.mil](mailto:2028@redstone.army.mil)  
Subject DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

This is the text for the problem below line 27.



| <b>RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS</b><br>For use of the for, see AR 25-35; the proponent agency is ODISC4  |                |            |      |   |                     | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).        | <b>DATE</b><br><b>8/30/02</b> |
|---|----------------|------------|------|---|---------------------|--|-------------------------------|
| <b>TO:</b> (Forward to proponent of the publication or form) (Include ZIP Code)<br>Commander, U.S. Army Aviation and Missile Command<br>Attn: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898 |                |            |      |   |                     | <b>FROM:</b> (Activity and location) (Include ZIP Code)<br>MSG, Jane Q. Doe<br>1234 Any Street<br>Nowhere Town, AL 34565 |                               |
| <b>PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS</b>   |                |            |      |   |                     |  |                               |
| PUBLICATION/FORM NUMBER<br>TM 1-1520-238-23-1   |                |            |      |   | DATE<br>16 May 1994 | TITLE<br>Aviation Unit and Intermediate Maintenance Manual, for Helicopter, Attack, AH-64A Apache (Volume 3 of 9)        |                               |
| ITEM  | PAGE           | PARA-GRAPH | LINE | FIGURE NO.  | TABLE               | RECOMMENDED CHANGES AND REASON   |                               |
| 1   | WP0005<br>PG 3 |            | 2    |   |                     | Test or Corrective Action column should identify a different WP number.  |                               |
| <b>EXAMPLE</b>  |                |            |      |   |                     |  |                               |
| <i>*Reference to line numbers within the paragraph or subparagraph.</i>   |                |            |      |   |                     |  |                               |
| TYPED NAME, GRADE OR TITLE<br>MSG, Jane Q. Doe, SFC   |                |            |      | TELEPHONE EXCHANGE/AUTOVON,<br>PLUS EXTENTION<br>788-1234 |                     | SIGNATURE  |                               |

|   |   |                        |
|---|---|------------------------|
| <b>TO:</b> <i>(Forward direct to addressee listed in publication)</i><br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>RedstoneArsenal, 35898 | <b>FROM:</b> <i>(Activity and location) (Include ZIP Code)</i><br>MSG, Jane Q. Doe<br>1234 Any Street<br>Nowhere Town, AL 34565 | <b>DATE</b><br>8/30/02 |
|---|---|------------------------|

**PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS**

|                    |      |       |
|--------------------|------|-------|
| PUBLICATION NUMBER | DATE | TITLE |
|--------------------|------|-------|

| PAGE NO. | COLM NO. | LINE NO. | NATIONAL STOCK NUMBER | REFERENCE NO. | FIGURE NO. | ITEM NO. | TOTAL NO. OF MAJOR ITEMS SUPPORTED | RECOMMENDED ACTION |
|----------|----------|----------|-----------------------|---------------|------------|----------|------------------------------------|--------------------|
|          |          |          |                       |               |            |          |                                    |                    |

**PART III - REMARKS** *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

**EXAMPLE**

|   |  |           |
|---|--|-----------|
| TYPED NAME, GRADE OR TITLE<br>MSG, Jane Q. Doe, SFC | TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENTION<br>788-1234 | SIGNATURE |
|---|--|-----------|

|   |      |            |      |  |       |  |   |
|---|------|------------|------|--|-------|--|---|
| <b>RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS</b><br>For use of the for, see AR 25-35; the proponent agency is ODISC4  |      |            |      |  |       | Use Part II ( <i>reverse</i> ) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM). | <b>DATE</b>   |
| <b>TO:</b> ( <i>Forward to proponent of the publication or form</i> ) ( <i>Include ZIP Code</i> )<br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898 |      |            |      |  |       | <b>FROM:</b> ( <i>Activity and location</i> ) ( <i>Include ZIP Code</i> )  |   |
| <b>PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS</b>   |      |            |      |  |       |  |   |
| PUBLICATION/FORM NUMBER<br>TM 1-1520-238-23P-3  |      |            |      |  |       | DATE<br>28 May 1996  | TITLE Aviation Unit and Intermediate Maintenance Repair Parts and Special Tools List for Helicopter, Attack, AH-64A Apache; Volume 3 of 5 |
| ITEM  | PAGE | PARA-GRAPH | LINE | FIGURE NO.                                 | TABLE | RECOMMENDED CHANGES AND REASON   |   |
|   |      |            |      |  |       |  |   |
| <i>*Reference to line numbers within the paragraph or subparagraph.</i>   |      |            |      |  |       |  |   |
| TYPED NAME, GRADE OR TITLE  |      |            |      | TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENTION |       | SIGNATURE  |   |

|   |  |             |
|---|--|-------------|
| <b>TO:</b> <i>(Forward direct to addressee listed in publication)</i><br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898 | <b>FROM:</b> <i>(Activity and location) (Include ZIP Code)</i> | <b>DATE</b> |
|---|--|-------------|

**PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS**

|  |                            |  |
|--|----------------------------|--|
| <b>PUBLICATION NUMBER</b><br>TM 1-1520-238-23P-3 | <b>DATE</b><br>28 May 1996 | <b>TITLE</b> Aviation Unit and Intermediate Maintenance Repair Parts and Special Tools List for Helicopter, Attack, AH-64A Apache; Volume 3 of 5 |
|--|----------------------------|--|

| PAGE NO. | COLM NO. | LINE NO. | NATIONAL STOCK NUMBER | REFERENCE NO. | FIGURE NO. | ITEM NO. | TOTAL NO. OF MAJOR ITEMS SUPPORTED | RECOMMENDED ACTION |
|----------|----------|----------|-----------------------|---------------|------------|----------|------------------------------------|--------------------|
|          |          |          |                       |               |            |          |                                    |                    |

**PART III - REMARKS** *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

|                            |  |           |
|----------------------------|--|-----------|
| TYPED NAME, GRADE OR TITLE | TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENTION | SIGNATURE |
|----------------------------|--|-----------|



# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounces  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

| To change     | To                 | Multiply by | To change          | To            | Multiply by |
|---------------|--------------------|-------------|--------------------|---------------|-------------|
| inches        | centimeters        | 2.540       | ounce-inches       | newton-meters | .007062     |
| feet          | meters             | .305        | centimeters        | inches        | .394        |
| yards         | meters             | .914        | meters             | feet          | 3.280       |
| miles         | kilometers         | 1.609       | meters             | yards         | 1.094       |
| square inches | square centimeters | 6.452       | kilometers         | miles         | .621        |
| square feet   | square meters      | .093        | square centimeters | square inches | .155        |
| square yards  | square meters      | .836        | square meters      | square feet   | 10.764      |
| square miles  | square kilometers  | 2.590       | square meters      | square yards  | 1.196       |
| acres         | square hectometers | .405        | square kilometers  | square miles  | .386        |
| cubic feet    | cubic meters       | .028        | square hectometers | acres         | 2.471       |
| cubic yards   | cubic meters       | .765        | cubic meters       | cubic feet    | 35.315      |
| fluid ounces  | milliliters        | 29.573      | cubic meters       | cubic yards   | 1.308       |
| pints         | liters             | .473        | milliliters        | fluid ounces  | .034        |
| quarts        | liters             | .946        | liters             | pints         | 2.113       |
| gallons       | liters             | 3.785       | liters             | quarts        | 1.057       |
| ounces        | grams              | 28.349      | liters             | gallons       | .264        |
| pounds        | kilograms          | .454        | grams              | ounces        | .035        |
| short tons    | metric tons        | .907        | kilograms          | pounds        | 2.205       |
| pound-feet    | newton-meters      | 1.356       | metric tons        | short tons    | 1.102       |
| pound-inches  | newton-meters      | .11296      |                    |               |             |

## Temperature (Exact)

° F Fahrenheit temperature      5/9 (after subtracting 32)      Celsius temperature      ° C

