TO: ALL HOLDERS OF AUXILIARY POWER UNIT ACCESS DOOR ASSEMBLY OVERHAUL MANUAL, 52-46-10

REVISION NO. 7, DATED SEP 5/91

HIGHLIGHTS

| DESCRIPTION OF CHANGE | TOPICS AFFECTED | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D&O | D/Assy | Cleaning | Insp/Chk | Repair | Assy | F/C | Test | T/Shooting | S/Tools | Storage | IPL | L/Overhaul |
| Added 65-50904-625 top assembly per latest engineering release | | | | | | | | | | | | X | |

# AUXILIARY POWER UNIT ACCESS DOOR ASSEMBLY

# 52-46-10

BOEING P/N 65-50904-2, -271, -625

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

| BOEING SERVICE BULLETIN | BOEING TEMPORARY REVISION | OTHER DIRECTIVES | DATE DIRECTIVE INCORPORATED INTO TEXT |
|---|---|---|---|
| | | PRR 30680-43 | Nov 15/68 |

## LIST OF EFFECTIVE PAGES

* Indicates pages revised, added or deleted in latest revision
F Indicates foldout pages - print one side only

| | PAGE | DATE | PAGE | DATE | PAGE | DATE |
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| | 52-46-10 | | | | | |
| * | T-1 | Sep 5/91 | | | | |
| | T-2 | BLANK | | | | |
| * | LEP-1 | Sep 5/91 | | | | |
| | LEP-2 | BLANK | | | | |
| | T/C-1 | Nov 15/68 | | | | |
| | T/C-2 | BLANK | | | | |
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| | 401 | Jun 5/90 | | | | |
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| * | 1101 | Sep 5/91 | | | | |
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| | 1108 | Mar 5/86 | | | | |
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| * | 1111 | Sep 5/91 | | | | |
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| | 1113 | Dec 5/86 | | | | |
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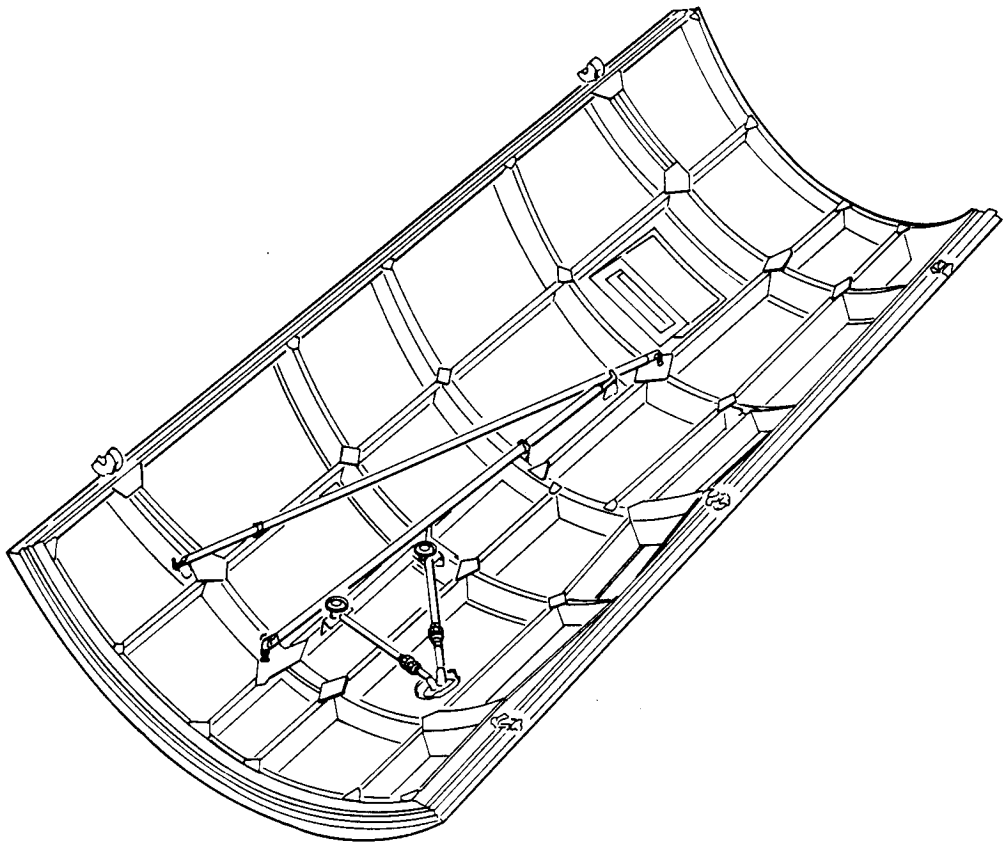
# AUXILIARY POWER UNIT ACCESS DOOR



Auxiliary Power Unit Access Door Assembly
Figure 1

## DESCRIPTION AND OPERATION

1. Description

   A. The door is a frame structure, fabricated of aluminum alloy. The structure is covered with a two piece bonded aluminum alloy skin. Latches and hinges are made of corrosion resistant steel. A drain mast is installed in the left forward side of the door to drain off fluids from the auxiliary power unit. This mast is made of epoxy-reinforced fiberglass.

A cooling duct is installed in the aft end of the door. This duct is made of corrosion resistant steel. The door is formed to fair in with the outer mold line of the fuselage when it is closed and latched.

2. Operation

A. The door is opened and closed with three tension latches. These latch assemblies are of a fail-safe design. They lock the door with an overcenter toggle.

## DISASSEMBLY

1. Removal and Disassembly of Cowl Support Rods (See figure 1102.)

   A. Remove nut (1), washer (2), and spring washer (3). Remove rod assembly (4).

   B. Remove cotter pin (7), nut (8), washers (9), bolt (10), and spring washers (11) from rod assembly (4). Remove eyebolt (6).

      NOTE: Do not disassemble rest of rod assembly (4) unless parts must be replaced.

   C. Remove nut (1), washer (2), and spring washer (3). Remove rod assembly (21).

   D. Remove cotter pin (24), nut (25), washers (26), bolt (27), and spring washer (28) from rod assembly (21). Remove eyebolt (23).

      NOTE: Do not disassemble rest of rod assembly (21) unless parts must be replaced.

   E. Remove nuts (38), washers (39), screws (40, 41 and 42). Remove plate assemblies (43).

   F. Remove nuts (46), washers (47), and screws (48). Remove spring clips (49).

2. Removal of Drains (See figure 1103.)

   A. Remove nuts (1), union (2), and sleeves (3).

   B. Remove nuts (4), washers (5), bolts (6), and spacers (7). Remove cup assembly (8).

   C. Remove nuts (9), union (10), and sleeves (11).

   D. Remove bolts (12), washers (13), and spacers (14). Remove cup assembly (15).

   E. Remove nuts (16), washers (17), and bolts (18). Remove doubler assembly (19) and drain mast assembly (20).

3. Removal of Latches and Seals (See figure 1104.)

   A. Remove nuts (1), bolts (2), and washers (3). Remove latch assemblies (4).

   B. Remove nut (7), bolt (8), washer (10), and spacer (9).

C. Remove seals (21, 27, and 31).

NOTE: Tension bearings (5), bearing plates (11 and 12), stop fittings (15), retainers (19, 25, and 29), and fillers (20, 26, and 30) are illustrated for reference. These parts are permanently fastened, and should not be removed unless parts must be replaced.

4. Removal of Hinges and Lock Levers (See figure 1105.)

A. Remove nuts (1), bolts (2), washers (3, 4, and 5), and clamp-up bushings (6). Remove lock levers (11).

B. Remove nuts (7), bolts (8), washers (9), and spacers (10). Remove hinges (12).

C. Remove nuts (13), washers (14), and shear pins (15).

## CLEANING

1. Wash and rinse all metal parts in dry cleaning solvent, Specification P-D-680, or equivalent.

2. Remove stubborn accumulations of dirt with a stiff-bristle brush. Do not use a metallic brush.

3. Drain, and dry all parts thoroughly with clean, lint-free cloth, or dry compressed air.

4. Clean fiberglass mast assembly (20, figure 1103) with solvent, BMS 3-2C, Type 2, or equivalent.

INSPECTION/CHECK

1. Visual

   A. Examine all metal parts for scratches, corrosion, dents, and other damage. Use a strong light and 10-power magnification.

   B. Examine fiberglass mast assembly (20, figure 1103) for delamination, defects in potting, and corrosion of tubes.

   C. Examine entire interior of structure for loose fasteners, damage, and general condition of paint and finish.

REPAIR

1. Repair

   A. Use standard industry practices for repair of this component.

   B. For structural repairs, refer to the Boeing 737 Structural Repair Manual 52-00 and 52-40.

   C. For repairs to fiberglass components, refer to the following Boeing 737 Structural Repair Manuals:

      (1) SRM 51-40-09 for 737-100, -200

      (2) SRM 51-70-06 for 737-300, -400, -500

2. Refinish

   NOTE: Refer to 20-30-02 for stripping of protective finishes and to 20-41-01 for explanation of F and SRF finish codes.

   A. Fig. 1102

      (1) Tube (5, 22) -- Alodize per 20-30-03 and apply one coat primer BMS 10-11, Type 1 per 20-41-02 (SRF-2.901) on interior and exterior surfaces. Material: Aluminum alloy.

      (2) Rod end (12, 29) -- Cadmium plate with post-plate chromate treatment (F-1.20) all over. Material: 15-5PH CRES, 150-170 ksi or 17-4PH, 140-160 ksi.

      (3) Rod end (14, 31) -- Alodize or chromic acid anodize and apply one coat primer BMS 10-11, Type 1 (SRF-2.30) all over. Material: Aluminum alloy.

   B. Fig. 1103

      (1) Cup assembly (8, 15) -- Passivate per 20-30-03 (F-8.07) all over. Material: 321 or 347 CRES.

      (2) Drain mast assembly (20) -- Apply Dexter 28-C-1 static conditioner plus Dexter 8-W-5 surfacer per 20-10-06 (SRF-14.672) followed by conductive coating BMS 10-21, Type 1 per 20-10-06 (SRF-14.68) all over. On all surfaces except surface of flange which fays with door, apply one coat primer BMS 10-11, Type 1 per 20-41-02 (SRF-12.205) plus gray gloss enamel BMS 10-60, BAC color 707 (SRF-14.9813).

C. Fig. 1104

(1) Bearing (5) -- Cadmium plate per 20-42-05 (F-1.191) all over. Material: 17-4PH CRES, 180 ksi minimum.

(2) Plate (11, 12) -- Cadmium plate with post-plate chromate treatment per 20-42-05 (F-1.1923) all over. Material: 4130 steel, 160-180 ksi.

(3) Fitting (15), retainer (19, 25, 29), filler (20, 26, 30) -- Alodize or chromic acid anodize and apply one coat primer BMS 10-11, type 1 (SRF-2.30) all over. Material: Aluminum alloy.

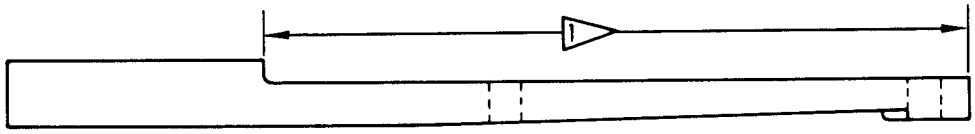
D. Fig. 1105

(1) Lever (11) -- Passivate per 20-30-03 (F-8.07) all over. Material: 301 CRES.

(2) Hinge (12) -- Passivate per 20-30-03 (F-8.70) all over. Apply two coats primer BMS 10-11, type 1 per 20-41-02 (F-20.03) per Fig. 401. Material: 17-4PH CRES, 180-200 ksi.

(3) Pin (15) -- Apply hard chrome plate per 20-42-03 (F-1.90) to head. Cadmium plate per 20-42-05 type 2 (F-1.202) shank, slot, threads and under surface of head. Material: 4330M steel, 180-200 ksi.

E. Touch up entire interior of assembly as necessary with primer, BMS 10-11, type 1.




1 APPLY TWO COATS PRIMER BMS 10-11 TYPE 1 PER 20-41-02 (F-20.03)

HINGE (12, FIG. 1105)

3. Replacement

A. Replace all parts worn or damaged beyond simple repair.

B. Replace all cotter pins at each overhaul.

C. Replace seals (21, 27, 31, Fig. 1104) at each overhaul.

(1) Remove old seal by scraping off with a sharp-edged wooden or plastic tool. Remove rivet (23) also to remove seal (31).

(2) Bond new seal in place as directed per 20-50-12, Type 60. Install rivet (23) through seal (31).

D. Replace worn bushing (45, Fig. 1102) as follows:

(1) Remove bushing.

(2) Coat O.D. of bushing and plate (44, Fig. 1102) bore with primer BMS 10-11, type 1.

(3) Install bushing wet.

E. Replace spring washers (3, 11, 28, Fig. 1102) at each overhaul.

F. Replace safety pins (15, 32, Fig. 1102) at each overhaul.

ASSEMBLY

1. Installation of Hinges and Lock Levers (Fig. 1105)

   A. Install forward shear pin (15) with washers (14) and nut (13), or quick release pin (16) and chain (17).

   B. Locate forward hinge (12). Install spacer (10), bolt (8), washer (9), and nut (7).

   C. Locate forward cowl panel lock lever (11). Install clamp-up bushing (6), washers (3, 4, and 5), bolt (2), and nut (1).

   D. Install aft shear pin (15) with washers (14) and nut (13), or quick release pin (16) and chain (17).

   E. Locate aft hinge (12). Install spacer (10), bolt (8), washer (9), and nut (7).

   F. Locate aft cowl panel lock lever (11). Install clamp-up bushing (6), washers (3, 4, and 5), bolt (2), and nut (1).

2. Installation of Latches (Fig. 1104)

   A. Install spacers (9), bolts (8), washers (10), and nuts (7) in three places.

   B. Locate forward latch assembly (4). Install bolt (2), washer (3), and nut (1).

   C. Locate center latch assembly (4). Install bolt (2), washer (3), and nut (1).

   D. Locate aft latch assembly (4). Install bolt (2), washer (3), and nut (1).

3. Installation of Drains (Fig 1103)

   A. Locate drain mast assembly (20) and doubler assembly (19). Install bolts (18), washers (17), and nuts (16).

   B. Locate cup assembly (15). Attach with spacers (14), washers (13), and bolts (12).

   C. Attach drain tube of cup assembly to small drain tube in drain mast with sleeves (11), union (10), and nuts (9).

   D. Locate cup assembly (8). Attach with spacers (7), bolts (6), washers (5), and nuts (4).

   E. Attach drain tube of cup assembly (8) to large drain tube in drain mast with sleeves (3), union (2), and nuts (1).

4. Installation of Cowl Support Rods (See figure 1102.)

A. Install eyebolt (23) on cowl support rod assembly (21) with spring washer (28), washers (26), bolt (27), nut (25), and cotter pin (24).

B. Install eyebolt (6) on rod assembly (4) with spring washer (11), washers (9), bolt (10), nut (8), and cotter pin (7).

C. Install forward plate assembly (43) with four screws (42), eight washers (39), and four nuts (38).

D. Install aft plate assembly (43) with two screws (40), two screws (41), eight washers (39), and four nuts (38).

E. Install rod assembly (21) with spring washer (3), washer (2), and nut (1).

F. Install rod assembly (4) with spring washer (3), washer (2), and nut (1).

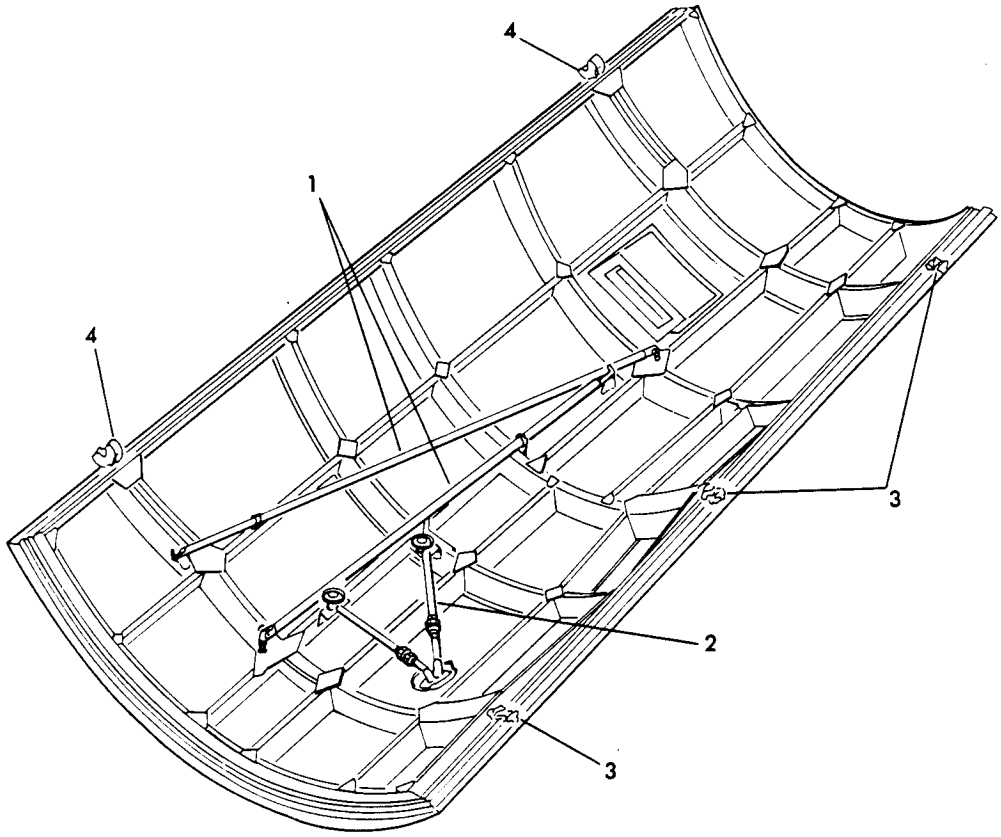
STORAGE INSTRUCTIONS

1. Secure all loose rods to prevent movement and damage to assembly.

2. Wrap assembly in nonabsorbent material, and store in a cool, dry area, preferably humidity controlled.

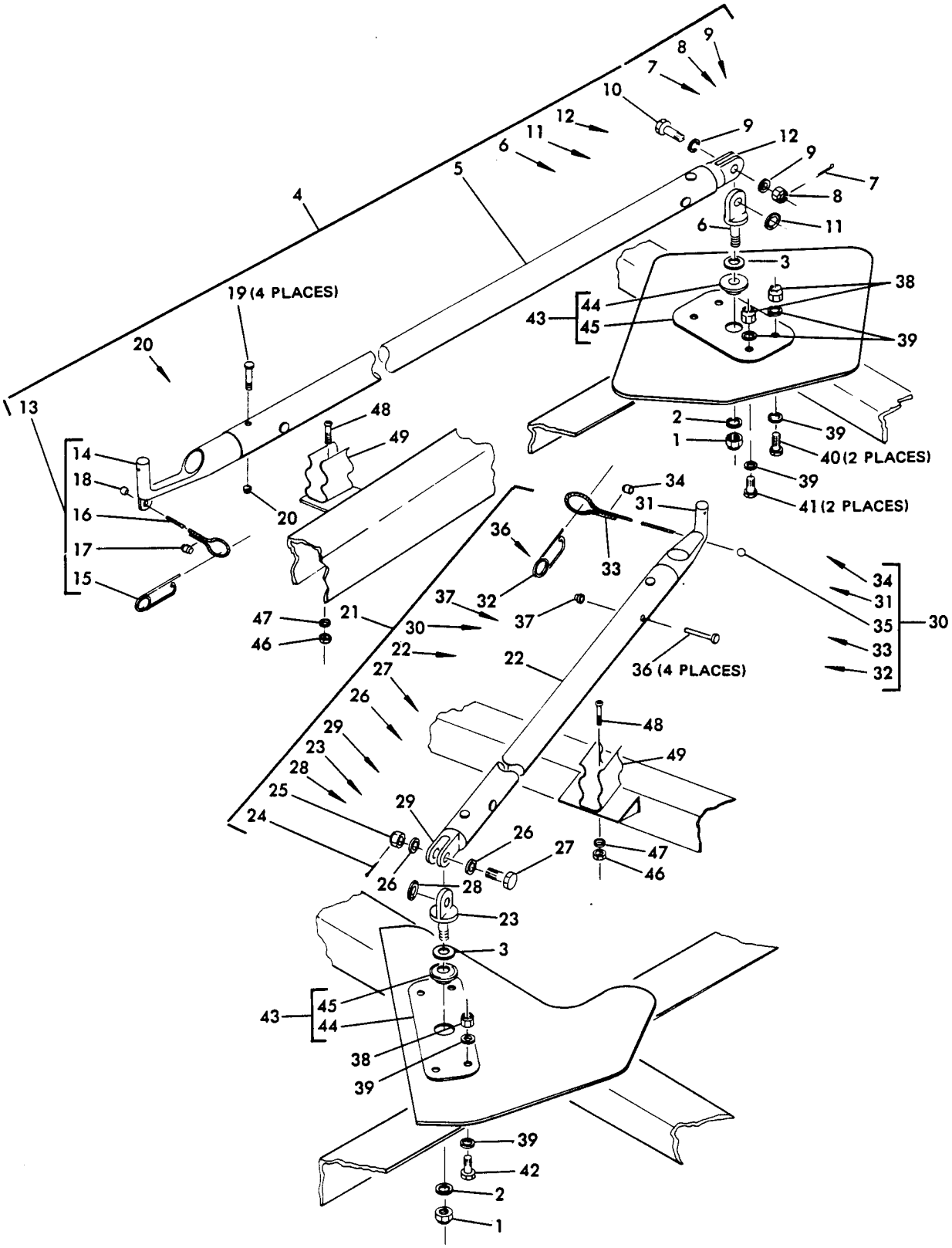
3. For further instructions, refer to Subject 20-44-02, "Temporary Protective Coatings." Refer also to Subject 20-70-01, "Protection, Storage, and Handling of Airplane Components."

ILLUSTRATED PARTS LIST




Auxiliary Power Unit Access Door Assembly
Figure 1101

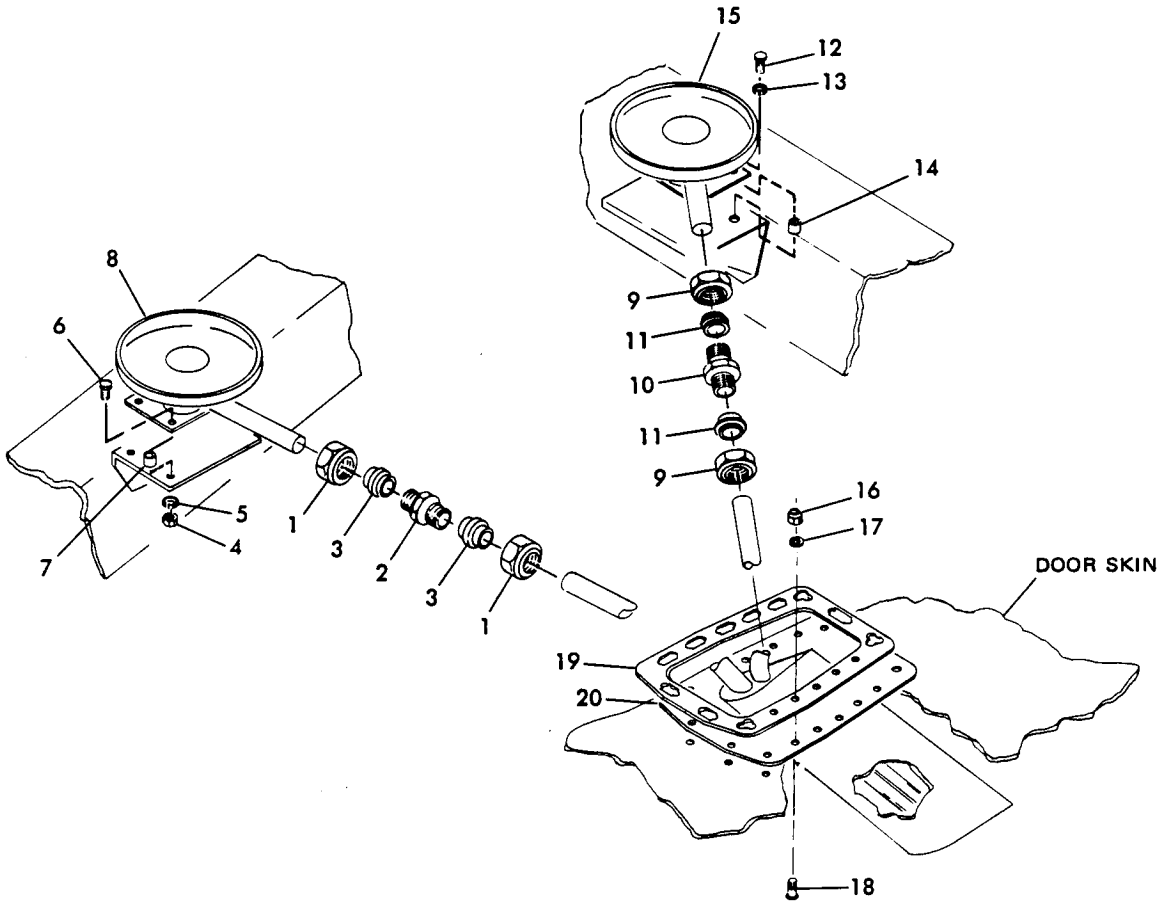
| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1101- | | | | | |
| | 65-50904-2 | | AUXILIARY POWER UNIT ACCESS DOOR ASSY | | |
| | 65-50904-271 | | AUXILIARY POWER UNIT ACCESS DOOR ASSY | | |
| | 65-50904-625 | | AUXILIARY POWER UNIT ACCESS DOOR ASSY | | |
| 1 | | | . COWL SUPPORT RODS AND ATTACHMENTS (FIG. 1102) | | |
| 2 | | | . DRAINS AND ATTACHMENTS (FIG. 1103) | | |
| 3 | | | . LATCHES AND SEALS (FIG. 1104) | | |
| 4 | | | . HINGES AND LOCKING LEVERS (FIG. 1105) | | |




Cowl Support Rods and Attachments
Figure 1102

| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1102- | | | COWL SUPPORT RODS AND ATTACHMENTS | | |
| 1 | BACN10JC4C | | . NUT | | 2 |
| 2 | AN960C416L | | . WASHER | | 2 |
| 3 | 3502-18-04-4102 | | . WASHER, SPRING, V78189 | | 2 |
| 4 | 65-50999-501 | | . ROD ASSEMBLY, COWL SUPPORT | | 1 |
| 5 | 65-50999-503 | | . . TUBE | | 1 |
| 6 | 66-23351-1 | | . . EYEBOLT | | 1 |
| 7 | MS24665-151 | | . . PIN, COTTER | | 1 |
| 8 | BACN10JD103 | | . . NUT | | 1 |
| 9 | AN960PD10L | | . . WASHER | | 2 |
| 10 | BACB30NE3D7 | | . . BOLT | | 1 |
| 11 | 3539-14-02-4102 | | . . WASHER, SPRING, V78189 | | 1 |
| 12 | 63-2892 | | . . ROD END | | 1 |
| 13 | 65-26230-6 | | . . ROD END ASSEMBLY | | 1 |
| 14 | 69-20293-1 | | . . . ROD END | | 1 |
| 15 | 21471 | | . . . PIN, V00357 | | 1 |
| 16 | BACC13G208-065CA | | . . . CABLE ASSEMBLY | | 1 |
| 17 | 28-1C | | . . . SLEEVE, CABLE, V76691 (REPLS BACT14A4) | | 1 |
| 17 | BACT14A4 | | . . . TERMINAL (OPT TO 28-1C) | | 1 |
| 18 | BACT14B2 | | . . . TERMINAL | | 1 |
| 19 | BACB30GZ5-12 | | . . LOCK BOLT | | 4 |
| 20 | BACC30P5 | | . . COLLAR | | 4 |
| 21 | 65-50999-505 | | . ROD ASSEMBLY, COWL SUPPORT (LIMITED) | | 1 |
| 21 | 65-50999-507 | | . ROD ASSEMBLY, COWL SUPPORT (LIMITED) | | 1 |
| 22 | 65-50999-506 | | . . TUBE (USED ON 65-50999-505) | | 1 |
| 22 | 65-50999-508 | | . . TUBE (USED ON 65-50999-507) | | 1 |
| 23 | 66-23351-1 | | . . EYEBOLT | | 1 |
| 24 | MS24665-151 | | . . PIN, COTTER | | 1 |
| 25 | BACN10JD103 | | . . NUT | | 1 |
| 26 | AN960PD10L | | . . WASHER | | 2 |
| 27 | BACB30NE3D7 | | . . BOLT | | 1 |
| 28 | 3539-14-02-4102 | | . . WASHER, SPRING, V78189 | | 1 |
| 29 | 63-2892 | | . . ROD END | | 1 |
| 30 | 65-26230-6 | | . . ROD END ASSEMBLY | | 1 |
| 31 | 69-20293-1 | | . . . ROD END | | 1 |
| 32 | 21471 | | . . . PIN, V00357 | | 1 |

| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1102- | | | | | |
| 33 | BACC13G208-065CA | | . . . CABLE ASSEMBLY | | 1 |
| 34 | 28-1C | | . . . SLEEVE, CABLE, V76691 (REPLS BACT14A4) | | 1 |
| 34 | BACT14A4 | | . . . TERMINAL (OPT TO 28-1C) | | 1 |
| 35 | BACT14B2 | | . . . TERMINAL | | 1 |
| 36 | BACB30GZ5-12 | | . . LOCKBOLT | | 4 |
| 37 | BACC30P5 | | . . COLLAR | | 4 |
| 38 | BACN10JC3 | | . NUT | | 8 |
| 39 | AN960PD10L | | . WASHER | | 16 |
| 40 | NAS623-3-5 | | . SCREW | | 2 |
| 41 | NAS623-3-4 | | . SCREW | | 2 |
| 42 | NAS623-3-3 | | . SCREW | | 4 |
| 43 | 66-19379-2 | | . PLATE ASSEMBLY | | 2 |
| 44 | 66-19379-3 | | . . PLATE | | 1 |
| 45 | BACB28B5-260 | | . . BUSHING | | 1 |
| 46 | BACN10JC3 | | . NUT | | 2 |
| 47 | AN960PD10L | | . WASHER | | 2 |
| 48 | NAS623-3-1 | | . SCREW | | 2 |
| 49 | 66-8350 | | . CLIP, SPRING | | 2 |


15
12
13
14
8
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16
17
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4
7
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3
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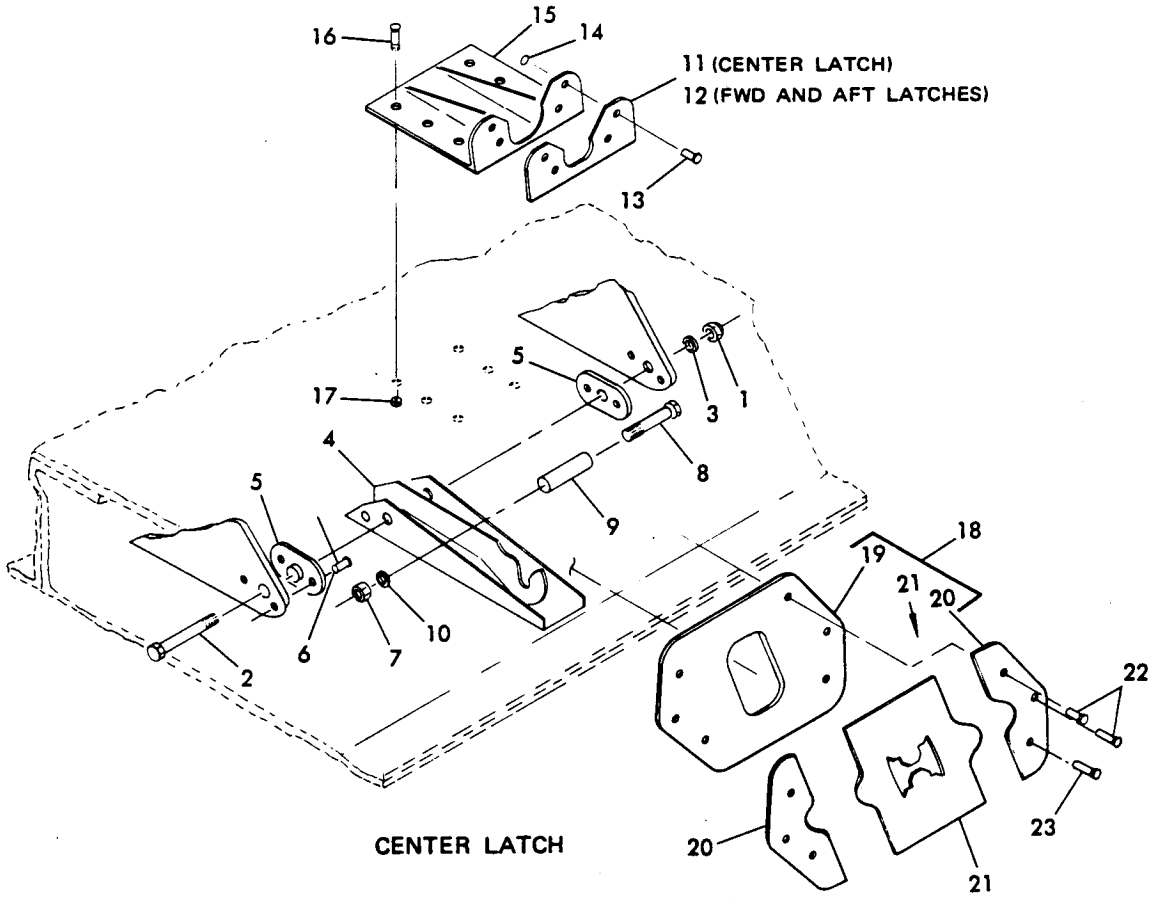
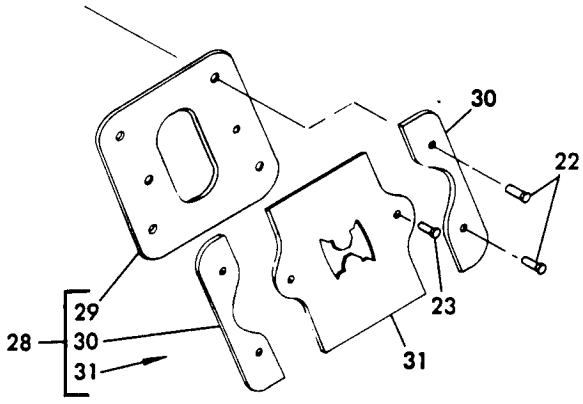
3
1
DOOR SKIN
19
20
18

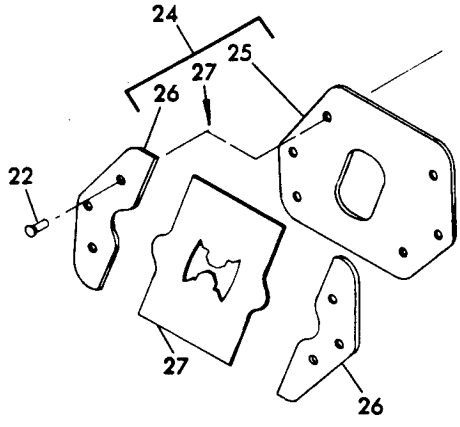
| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1103- | | | DRAINS AND ATTACHMENTS | | |
| 1 | MS21921-10S | | . NUT | | 2 |
| 1 | MS21921-10K | | . NUT (OPT TO MS21921-10S) | | 2 |
| 1 | MS21921-10J | | . NUT (OPT TO MS21921-10S) | | 2 |
| 2 | MS21902-10C | | . UNION | | 1 |
| 3 | MS21922-10C | | . SLEEVE | | 2 |
| 4 | BACN10JC3 | | . NUT | | 4 |
| 5 | AN960C10 | | . WASHER | | 4 |
| 6 | BACB30NE3-3 | | . BOLT | | 4 |
| 7 | NAS42HT6-8 | | . SPACER | | 4 |
| 8 | 69-50896-501 | | . CUP ASSEMBLY (OPT TO 69-50896-1) (LIMITED) | | 1 |
| 8 | 69-50896-1 | | . CUP ASSEMBLY (OPT TO 69-50896-501) (LIMITED) | | 1 |
| 8 | 69-50896-8 | | . CUP ASSEMBLY (LIMITED) | | 1 |
| 9 | MS21921-8S | | . NUT | | 2 |
| 9 | MS21921-8K | | . NUT (OPT TO MS21921-8S) | | 2 |
| 9 | MS21921-8J | | . NUT (OPT TO MS21921-8S) | | 2 |
| 10 | MS21902-8C | | . UNION | | 1 |
| 11 | MS21922-8C | | . SLEEVE | | 2 |
| 12 | BACB30NE3-3 | | . BOLT | | 4 |
| 13 | AN960C10 | | . WASHER | | 4 |
| 14 | NAS42HT6-8 | | . SPACER | | 4 |
| 15 | 69-50896-502 | | . CUP ASSEMBLY (OPT TO 69-50896-5) (LIMITED) | | 1 |
| 15 | 69-50896-5 | | . CUP ASSEMBLY (OPT TO 69-50896-502) (LIMITED) | | 1 |
| 15 | 69-50896-9 | | . CUP ASSEMBLY (LIMITED) | | 1 |
| 16 | BACN10JC3C | | . NUT | | 5 |
| 17 | AN960PD10 | | . WASHER | | 5 |
| 18 | BACB30LU3-3 | | . BOLT | | 16 |
| 19 | 65-66224-9 | | . DOUBLER ASSEMBLY | | 1 |
| 20 | 65-66224-11 | | . MAST ASSEMBLY, DRAIN (OPT TO 65-66224-502)(LIMITED) | | 1 |
| 20 | 65-66224-12 | | . MAST ASSEMBLY, DRAIN (LIMITED) | | 1 |
| 20 | 65-66224-502 | | . MAST ASSEMBLY, DRAIN (OPT TO 65-66224-11)(LIMITED) | | 1 |




CENTER LATCH



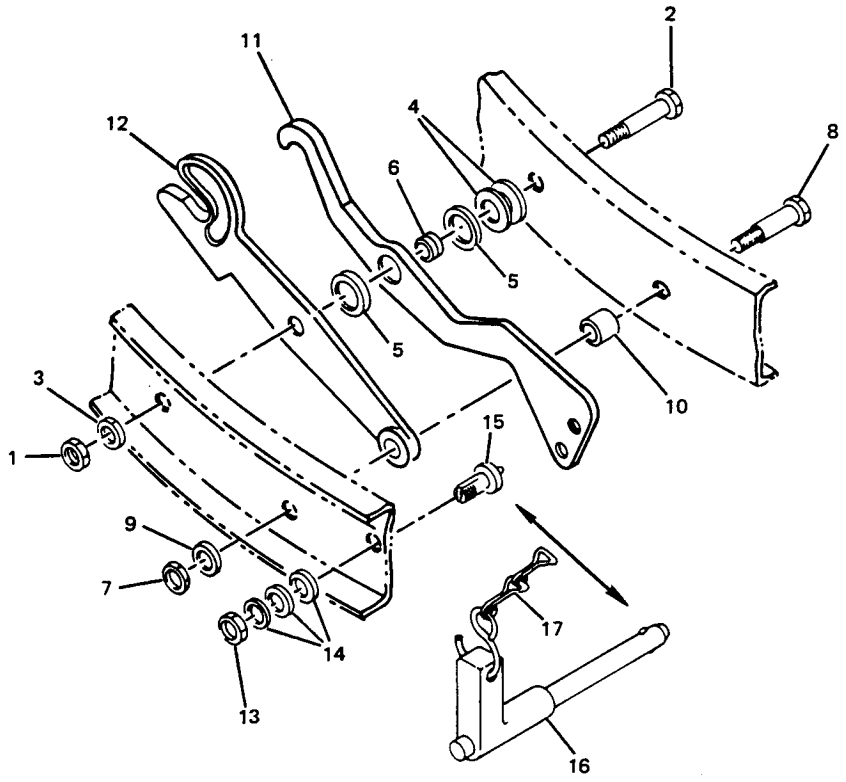

FORWARD LATCH




AFT LATCH

| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1104- | | | LATCHES AND SEALS | | |
| 1 | BACN10JC3 | | . NUT | | 3 |
| 2 | BACB30NE3-29 | | . BOLT | | 3 |
| 3 | AN960C10L | | . WASHER | | 12 |
| 4 | H888-1 | | . LATCH ASSY, V83014 | | 3 |
| 5 | 69-36658-2 | | . BEARING, TENSION | | 6 |
| 6 | BACR15CE5D | | . RIVET | | 12 |
| 7 | BACN10JC3 | | . NUT | | 3 |
| 8 | BACB30NE3-25 | | . BOLT | | 3 |
| 9 | NAS43HT3-90 | | . SPACER | | 3 |
| 10 | AN960C10L | | . WASHER | | 3 |
| 11 | 69-37946-1 | | . PLATE, BEARING | | 1 |
| 12 | 69-37946-2 | | . PLATE, BEARING | | 2 |
| 13 | BACB30FM5-5 | | . LOCKBOLT | | 12 |
| 14 | BACC30M5 | | . COLLAR | | 12 |
| 15 | 69-37944-1 | | . FITTING, STOP | | 3 |
| 16 | BACB30GW6-5 | | . LOCKBOLT | | 18 |
| 17 | BACC30K6 | | . COLLAR | | 18 |
| 18 | 69-56008-3 | | . SEAL ASSY *[1] | | 1 |
| 19 | 69-56008-6 | | . . RETAINER | | 1 |
| 20 | 69-56008-7 | | . . FILLER | | 1 |
| 21 | 69-56008-8 | | . . SEAL | | 1 |
| 22 | MS20470D6 | | . RIVET | | 14 |
| 23 | BACR15CE6D | | . RIVET | | 4 |
| 24 | 69-56008-4 | | . SEAL ASSY *[1] | | 1 |
| 25 | 69-56008-9 | | . . RETAINER | | 1 |
| 26 | 69-56008-10 | | . . FILLER | | 1 |
| 27 | 69-56008-11 | | . . SEAL | | 1 |
| 28 | 69-56008-5 | | . SEAL ASSY *[1] | | 1 |
| 29 | 69-56008-12 | | . . RETAINER | | 1 |
| 30 | 69-56008-13 | | . . FILLER | | 1 |
| 31 | 69-56008-14 | | . . SEAL | | 1 |

*[1] USED ON 65-50904-271




Hinge and Lock Levers
Figure 1105

| FIG. & ITEM NO. | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1 2 3 4 5 6 7 | USE CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 1105- | | | HINGES AND LOCKING LEVERS | | |
| 1 | BACN10JC4 | | . NUT | | 2 |
| 2 | BACB30NE4-13 | | . BOLT | | 2 |
| 3 | AN960PD416 | | . WASHER | | 2 |
| 4 | AN960C716L | | . WASHER | | 4 |
| 5 | BACW10P186C | | . WASHER | | 2 |
| 6 | NAS73-4-003 | | . BUSHING, CLAMP-UP | | 2 |
| 7 | BACN10JC4 | | . NUT | | 2 |
| 8 | BACB30NE4-13 | | . BOLT | | 2 |
| 9 | AN960PD416 | | . WASHER | | 2 |
| 10 | NAS43HT4-21 | | . SPACER | | 2 |
| 11 | 66-24175-2 | | . LEVER, COWL PANEL LOCK *[2] | | 2 |
| 11 | 66-24175-2 | | . LEVER, COWL PANEL LOCK (OPT TO 66-24175-501)*[1]*[3] | | 2 |
| 11 | 66-24175-501 | | . LEVER, COWL PANEL LOCK (66-24175-2 OPT) *[1]*[3]*[4] | | 2 |
| 11 | 66-24175-5 | | . LEVER, COWL PANEL LOCK *[1]*[3] | | 2 |
| 11 | 66-24175-5 | | . LEVER, COWL PANEL LOCK *[6] | | 2 |
| 12 | 65-47970-11 | | . HINGE | | 2 |
| 13 | BACN10JC4 | | . NUT *[1] | | 2 |
| 14 | AN960PD416 | | . WASHER *[1] | | 6 |
| 15 | 69-36659-1 | | . PIN, SHEAR *[1] | | 2 |
| 16 | BACP18AMAL07HC | | . PIN-QUICK RELEASE *[1]*[3]*[5] | | 2 |
| 17 | BACC19B8-060 | | . CHAIN *[1]*[3]*[5] | | 2 |

*[1] LIMITED
*[2] USED ON 65-50904-2
*[3] USED ON 65-50904-271
*[4] PREFERRED SPARE TO 66-24175-2
*[5] USED ON 66-24175-5 ONLY
*[6] USED ON 65-50904-625

| Part No. | Fig. and Index No. | Qty per Assy |
|---|---|---|
| AN960C10 | | AR |
| AN960C10L | | AR |
| AN960C416L | | AR |
| AN960C716L | | AR |
| AN960PD10 | | AR |
| AN960PD10L | | AR |
| AN960PD416 | | AR |
| | | |
| BACB28B5-260 | 1102-45 | 1 |
| BACB30FM5-5 | 1104-13 | 12 |
| BACB30GW6-5 | 1104-16 | 18 |
| BACB30GZ5-12 | 1102-19 | 4 |
| BACB30GZ5-12 | 1102-36 | 4 |
| BACB30LU3-3 | 1103-18 | 16 |
| BACB30NE3-25 | 1104-8 | 3 |
| BACB30NE3-29 | 1104-2 | 3 |
| BACB30NE3-3 | 1103-6 | 4 |
| BACB30NE3-3 | 1103-12 | 4 |
| BACB30NE3D7 | 1102-10 | 1 |
| BACB30NE3D7 | 1102-27 | 1 |
| BACB30NE4-13 | 1105-2 | 2 |
| BACB30NE4-13 | 1105-8 | 2 |
| BACC13G208-065CA | 1102-16 | 1 |
| BACC13G208-065CA | 1102-33 | 1 |
| BACC19B8-060 | 1105-17 | 2 |
| BACC30K6 | 1104-17 | 18 |
| BACC30M5 | 1104-14 | 12 |
| BACC30P5 | 1102-20 | 4 |
| BACC30P5 | 1102-37 | 4 |
| BACN10JC3 | 1102-38 | 8 |
| BACN10JC3 | 1102-46 | 2 |
| BACN10JC3 | 1103-4 | 4 |
| BACN10JC3 | 1104-1 | 3 |
| BACN10JC3 | 1104-7 | 3 |
| BACN10JC3C | 1103-16 | 5 |
| BACN10JC4 | 1105-1 | 2 |
| BACN10JC4 | 1105-7 | 2 |
| BACN10JC4 | 1105-13 | 2 |
| BACN10JC4C | 1102-1 | 2 |
| BACN10JD103 | 1102-8 | 1 |
| BACN10JD103 | 1102-25 | 1 |
| BACP18AMAL07HC | 1105-16 | 2 |
| BACR15CE5D | 1104-6 | 12 |
| BACR15CE6D | 1104-23 | 4 |
| BACT14A4 | 1102-17 | 1 |

| Part No. | Fig. and Index No. | Qty per Assy |
|---|---|---|
| BACT14A4 | 1102-34 | 1 |
| BACT14B2 | 1102-18 | 1 |
| BACT14B2 | 1102-35 | 1 |
| BACW10P186C | 1105-5 | 2 |
| | | |
| H888-1 | 1104-4 | 3 |
| | | |
| MS20470D6 | | AR |
| MS21902-10C | | AR |
| MS21902-8C | | AR |
| MS21921-10J | | AR |
| MS21921-10K | | AR |
| MS21921-10S | | AR |
| MS21921-8J | | AR |
| MS21921-8K | | AR |
| MS21921-8S | | AR |
| MS21922-10C | | AR |
| MS21922-8C | | AR |
| MS24665-151 | | AR |
| | | |
| NAS42HT6-8 | | AR |
| NAS43HT3-90 | | AR |
| NAS43HT4-21 | | AR |
| NAS623-3-1 | | AR |
| NAS623-3-3 | | AR |
| NAS623-3-4 | | AR |
| NAS623-3-5 | | AR |
| NAS73-4-003 | | AR |
| | | |
| 21471 | 1102-15 | 1 |
| 21471 | 1102-32 | 1 |
| 28-1C | 1102-17 | 1 |
| 28-1C | 1102-34 | 1 |
| | | |
| 3502-18-04-4102 | 1102-3 | 2 |
| 3539-14-02-4102 | 1102-11 | 1 |
| 3539-14-02-4102 | 1102-28 | 1 |
| | | |
| 63-2892 | 1102-12 | 1 |
| 63-2892 | 1102-29 | 1 |
| 65-26230-6 | 1102-13 | 1 |
| 65-26230-6 | 1102-30 | 1 |
| 65-47970-11 | 1105-12 | 2 |
| 65-50904-2 | 1101 | |
| 65-50904-271 | 1101 | |
| 65-50904-625 | 1101 | |

| Part No. | Fig. and Index No. | Qty per. Assy |
|---|---|---|
| 65-50999-501 | 1102-4 | 1 |
| 65-50999-503 | 1102-5 | 1 |
| 65-50999-505 | 1102-21 | 1 |
| 65-50999-506 | 1102-22 | 1 |
| 65-66224-11 | 1103-20 | 1 |
| 65-66224-9 | 1103-19 | 1 |
| 66-19379-2 | 1102-43 | 2 |
| 66-19379-3 | 1102-44 | 1 |
| 66-23351-1 | 1102-6 | 1 |
| 66-23351-1 | 1102-23 | 1 |
| 66-24175-2 | 1105-11 | 2 |
| 66-24175-5 | 1105-11 | 2 |
| 66-24175-501 | 1105-11 | 2 |
| 66-8350 | 1102-49 | 2 |
| 69-20293-1 | 1102-14 | 1 |
| 69-20293-1 | 1102-31 | 1 |
| 69-36658-2 | 1104-5 | 6 |
| 69-36659-1 | 1105-15 | 2 |
| 69-37944-1 | 1104-15 | 3 |
| 69-37946-1 | 1104-11 | 1 |
| 69-37946-2 | 1104-12 | 2 |
| 69-50896-1 | 1103-8 | 1 |
| 69-50896-5 | 1103-15 | 1 |
| 69-50896-501 | 1103-8 | 1 |
| 69-50896-502 | 1103-15 | 1 |
| 69-56008-10 | 1104-26 | 1 |
| 69-56008-11 | 1104-27 | 1 |
| 69-56008-12 | 1104-29 | 1 |
| 69-56008-13 | 1104-30 | 1 |
| 69-56008-14 | 1104-31 | 1 |
| 69-56008-3 | 1104-18 | 1 |
| 69-56008-4 | 1104-24 | 1 |
| 69-56008-5 | 1104-28 | 1 |
| 69-56008-6 | 1104-19 | 1 |
| 69-56008-7 | 1104-20 | 1 |
| 69-56008-8 | 1104-21 | 1 |
| 69-56008-9 | 1104-25 | 1 |

| Part No. | Fig. and Index No. | Qty per. Assy |
|---|---|---|