TO: ALL HOLDERS OF ASSEMBLY COMPONENT MAINTENANCE MANUAL 32-41-55

REVISION NO. 1 DATED MAR 01/00

HIGHLIGHTS

Pages which have been added or revised are outlined below together with the highlights of the revision. Remove and insert the affected pages as listed and enter Revision No. and date to the Record of Revision Sheet.

| CHAPTER/SECTION AND PAGE NO. | DESCRIPTION OF CHANGE |
|---|---|
| 301-302<br>701-702,704<br>1003,1005-1008 | Updated Illustrated Parts List to the latest engineering - no technical change. |

BOEING

COMPONENT
MAINTENANCE MANUAL

# BRAKE METERING VALVE ASSEMBLY

# PART NUMBER 257T2271-1

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST



K34038

BOEING
COMPONENT
MAINTENANCE MANUAL

REVISION RECORD

- Retain this record in front of manual. On receipt of revision, insert revised pages in the manual, and enter revision number, date inserted and initial.

| REVISION NUMBER | REVISION DATE | DATE FILED | BY | REVISION NUMBER | REVISION DATE | DATE FILED | BY |
|---|---|---|---|---|---|---|---|
| | | | | | | | |



K34039

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

| BOEING SERVICE BULLETIN | BOEING TEMPORARY REVISION | OTHER DIRECTIVE | DATE OF INCORPORATION INTO MANUAL |
|---|---|---|---|
| | | | |

| PAGE | DATE | CODE |
|---|---|---|
| 32-41-55 | | |
| TITLE PAGE | | |
| 1 | NOV 01/99 | 01 |
| 2 | BLANK | |
| REVISION RECORD | | |
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| LIST OF EFFECTIVE PAGES | | |
| *1 | MAR 01/00 | 01 |
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| INTRODUCTION | | |
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| DESCRIPTION & OPERATION | | |
| 1 | NOV 01/99 | 01 |
| 2 | NOV 01/99 | 01 |
| DISASSEMBLY | | |
| *301 | MAR 01/00 | 01.1 |
| *302 | MAR 01/00 | 01.1 |
| CHECK | | |
| 501 | NOV 01/99 | 01 |
| 502 | BLANK | |
| REPAIR-GENERAL | | |
| 601 | NOV 01/99 | 01 |
| 602 | NOV 01/99 | 01 |
| REPAIR 1-1 | | |
| 601 | NOV 01/99 | 01 |
| 602 | BLANK | |
| REPAIR 2-1 | | |
| 601 | NOV 01/99 | 01 |
| 602 | NOV 01/99 | 01 |
| REPAIR 3-1 | | |
| 601 | NOV 01/99 | 01 |
| 602 | NOV 01/99 | 01 |
| ASSEMBLY | | |
| *701 | MAR 01/00 | 01.1 |
| *702 | MAR 01/00 | 01.1 |
| 703 | NOV 01/99 | 01 |
| *704 | MAR 01/00 | 01.1 |
| 705 | NOV 01/99 | 01 |
| 706 | BLANK | |
| ILLUSTRATED PARTS LIST | | |
| 1001 | NOV 01/99 | 01 |
| 1002 | NOV 01/99 | 01 |
| *1003 | MAR 01/00 | 01.1 |
| 1004 | NOV 01/99 | 01 |
| *1005 | MAR 01/00 | 01.1 |
| *1006 | MAR 01/00 | 01.1 |
| *1007 | MAR 01/00 | 01.1 |
| *1008 | MAR 01/00 | 01.1 |

* = REVISED, ADDED OR DELETED

TABLE OF CONTENTS



*[1] Refer to Vicker Sterer CMM 32-41-04

*[2] Special instructions not required. Use standard industry practices.

# INTRODUCTION

The instructions in this manual provide the information necessary to perform maintenance functions ranging from simple checks and replacement to complete shop-type repair.

This manual is divided into separate sections:

1. Title Page
2. Record of Revisions
3. Temporary Revision & Service Bulletin Record
4. List of Effective Pages
5. Table of Contents
6. Introduction
7. Procedures & IPL Sections

Refer to the Table of Contents for the page location of applicable sections.

The beginning of the REPAIR section includes a list of the separate repairs, a list of applicable standard Boeing practices, and an explanation of the True Position Dimensioning symbols used.

An explanation of the use of the Illustrated Parts List is provided in the Introduction to that section.

All weights and measurements used in the manual are in English units, unless otherwise stated. When metric equivalents are given they will be in parentheses following the English units.

Design changes, optional parts, configuration differences and Service Bulletin modifications create alternate part numbers. These are identified in the Illustrated Parts List (IPL) by adding an alphabetical character to the basic item number. The resulting item number is called an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless otherwise indicated.

Verification:

# BRAKE METERING VALVE ASSEMBLY
# DESCRIPTION AND OPERATION

1. Description

   A. The brake metering valve assemlby mainly consists of a steel valve assembly, an aluminium crank, and an aluminium rod assembly.

2. Operation

   A. The brake metering valve assembly controls the hydraulic pressure to the brake proportionately to the applied brake force from the brake pedal. The system transmit the brake control force to the metering valves. The valves are spring loaded to break off the position when there is no input.

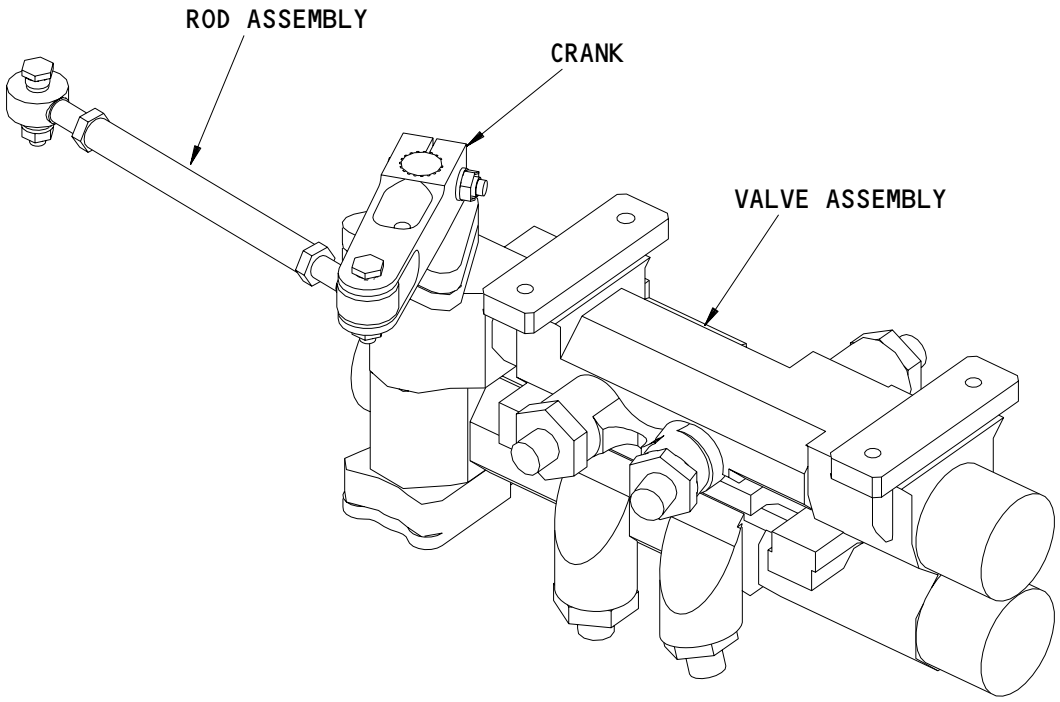
3. Leading Particulars (Approximate)

   A. Length -- 13.50 inches

   B. Width -- 6.75 inches

   C. Height -- 5.05 inches

   D. Weight -- 12.5 pounds




Brake Assembly Metering Valve
Figure 1



K34093

DISASSEMBLY

1. General

A. This procedure contains the data necessary to disassemble the metering valve assembly.

B. Disassemble this component sufficiently to isolate the defects, do the necessary repairs, and put the component back to a serviceable condition.

C. Refer to the Standard Overhaul Practices Manual (SOPM) for details of the SOPM chapters identified in this procedure.

D. Refer to IPL Fig. 1 for item numbers.

2. Disassembly

A. Part Replacement

NOTE: The parts which follow are recommended for replacement. Unless a procedure tells you to replace a part, replacement is optional.

(1) Packings (40, 45, 60, 65, 80, 85)

(2) Ring-backups (35, 55, 75)

B. Procedure

(1) **** Use standard industry procedures and the steps shown below to disassemble this component.

(a) Drain hydraulic fluid from metering valve.

(b) Remove bolts (7), bushings (9), washers (10), and nuts (130).

(c) Remove rod assembly (25) from crank (20).

(d) Remove bolt (5A), washer (10), and nut (15).

(e) Remove crank (20) from valve assembly (90).

(f) Remove adapter (70), ring-backup (75), and, packings (80, 85).

(g) Remove filter fitting (30), ring-backup (35), and packings (40,45).

(h) Remove adapter (50), ring-backup (55), and packings (60, 65).

(i) Remove adapter (52), ring-backup (30), and packings (35, 45).

# CHECK

1. General

   A. This procedure contains the data necessary to find defects in the material of the specified parts.

   B. Refer to the Standard Overhaul Practices Manual (SOPM) for details of the SOPM chapters identified in this procedure.

   C. Refer to IPL Fig. 1 for item numbers.

2. Check

   A. References

      (1) SOPM 20-20-02, Penetrant Methods of Inspection

   B. Procedure

      (1) Use standard industry procedures to do a visual check of all the parts for defects. Do the penetrant or magnetic particle check if the visual check shows possible damage or if you suspect possible damage on the parts listed below:

      (2) Do a penetrant check (SOPM 20-20-02) of these parts:

         (a) Crank (20)

REPAIR - GENERAL

1. General

A. Instructions for repair, refinish, and replacement of the specified subassembly parts are included in each REPAIR when applicable:

| PART NUMBER | NAME | REPAIR |
|---|---|---|
| --- | REFINISH OF OTHER PARTS | 1-1 |
| 257T2235-11 | CRANK | 2-1 |
| BACR24N6B072 | ROD ASSEMBLY | 3-1 |

2. Dimensioning Symbols

A. Standard True Position Dimensioning Symbols used in the applicable repair procedures are shown in Fig. 601.

| | |
|---|---|
| — | STRAIGHTNESS |
| ▱ | FLATNESS |
| ⊥ | PERPENDICULARITY (OR SQUARENESS) |
| // | PARALLELISM |
| ○ | ROUNDNESS |
| ⌭ | CYLINDRICITY |
| ⌒ | PROFILE OF A LINE |
| ⌓ | PROFILE OF A SURFACE |
| ◎ | CONCENTRICITY |
| ⌯ | SYMMETRY |
| ∠ | ANGULARITY |
| ↗ | RUNOUT |
| ↗↗ | TOTAL RUNOUT |
| ⌴ | COUNTERBORE OR SPOTFACE |
| ⌵ | COUNTERSINK |
| ⌖ | THEORETICAL EXACT POSITION OF A FEATURE (TRUE POSITION) |
| ∅ | DIAMETER |
| S ∅ | SPHERICAL DIAMETER |
| R | RADIUS |
| SR | SPHERICAL RADIUS |
| () | REFERENCE |
| BASIC (BSC) OR DIM | A THEORETICALLY EXACT DIMENSION USED TO DESCRIBE SIZE, SHAPE OR LOCATION OF A FEATURE. FROM THIS FEATURE PERMISSIBLE VARIATIONS ARE ESTABLISHED BY TOLERANCES ON OTHER DIMENSIONS OR NOTES. |
| -A- | DATUM |
| Ⓜ | MAXIMUM MATERIAL CONDITION (MMC) |
| Ⓛ | LEAST MATERIAL CONDITION (LMC) |
| Ⓢ | REGARDLESS OF FEATURE SIZE (RFS) |
| Ⓟ | PROJECTED TOLERANCE ZONE |
| FIM | FULL INDICATOR MOVEMENT |

## EXAMPLES

| | |
|---|---|
| — 0.002 | STRAIGHT WITHIN 0.002 |
| ⊥ 0.002 B | PERPENDICULAR TO DATUM B WITHIN 0.002 |
| // 0.002 A | PARALLEL TO DATUM A WITHIN 0.002 |
| ○ 0.002 | ROUND WITHIN 0.002 |
| ⌭ 0.010 | CYLINDRICAL SURFACE MUST LIE BETWEEN TWO CONCENTRIC CYLINDERS, ONE OF WHICH HAS A RADIUS 0.010 INCH GREATER THAN THE OTHER |
| ⌒ 0.006 A | EACH LINE ELEMENT OF THE SURFACE AT ANY CROSS SECTION MUST LIE BETWEEN TWO PROFILE BOUNDARIES 0.006 INCH APART RELATIVE TO DATUM A |
| ⌓ 0.020 A | SURFACES MUST LIE WITHIN PARALLEL BOUNDARIES 0.020 INCH APART AND EQUALLY DISPOSED ABOUT TRUE PROFILE |
| ◎ ∅ 0.0005 C | CONCENTRIC TO DATUM C WITHIN 0.0005 DIAMETER |
| ⌯ 0.010 A | SYMMETRICAL WITH DATUM A WITHIN 0.010 |
| ∠ 0.005 A | ANGULAR TOLERANCE 0.005 WITH DATUM A |
| ⌖ ∅ 0.002 Ⓢ B | LOCATED AT TRUE POSITION WITHIN 0.002 DIA RELATIVE TO DATUM B, REGARDLESS OF FEATURE SIZE |
| ⊥ ∅ 0.010 Ⓜ A<br>0.510 Ⓟ | AXIS IS TOTALLY WITHIN A CYLINDER OF 0.010 INCH DIAMETER, PERPENDICULAR TO DATUM A, AND EXTENDING 0.510 INCH ABOVE DATUM A, MAXIMUM MATERIAL CONDITION |
| 2.000<br>OR<br>2.000<br>BSC | THEORETICALLY EXACT DIMENSION IS 2.000 |

True Position Dimensioning Symbols
Figure 601



K34041

## REFINISH OF OTHER PARTS - REPAIR 1-1

1. General

   A. This repair gives the data necessary to refinish the parts which are not given in the specified repairs.

   B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.

   C. Refer to IPL Fig. 1 for item numbers.

2. Refinish of Other Parts

   A. General

      (1) Instructions for the repair of the parts listed in Table 601 are for repair of the initial finish.

   B. References

      (1) SOPM 20-30-02, Stripping of Protective Finishes

      (2) SOPM 20-30-03, General Cleaning Procedures

      (3) SOPM 20-41-01, Decoding Table for Boeing Finish Codes

      (4) SOPM 20-41-02, Application of Chemical and Solvent Resistant Finishes

      (5) SOPM 20-60-02, Finishing Materials

   C. Procedure

| IPL FIG. & ITEM | MATERIAL | FINISH |
|---|---|---|
| IPL Fig. 1<br><br>Washers (10, 125) | Al Alloy | Chemical Conversion Coating F17.15 |

Refinish Details
Table 601

# CRANK REPAIR - REPAIR 2-1

257T2235-11

## 1. General

A. This repair gives the data that is necessary to repair and refinish the crank (20).

B. Refer to the Standard Overhaul Practices Manual (SOPM) for thestandard practices shown in the repair.

C. Refer to the REPAIR - GENERAL (32-41-55/601, REPAIR - GENERAL) for the Standard True Position Dimensioning Symbols shown in the repair.

D. Refer to IPL Fig. 1 for item numbers.

E. General repair details:

(1) Material: 7075-T351 Aluminum per QQ-A- 225/A
7050-T745 Aluminum per AMS 4050 (Optional)

## 2. Crank Refinish

A. References

(1) SOPM 20-30-02, Stripping of Protective Finishes

(2) SOPM 20-30-03, General Cleaning Procedures

(3) SOPM 20-41-01, Decoding Table for Boeing Finish Codes

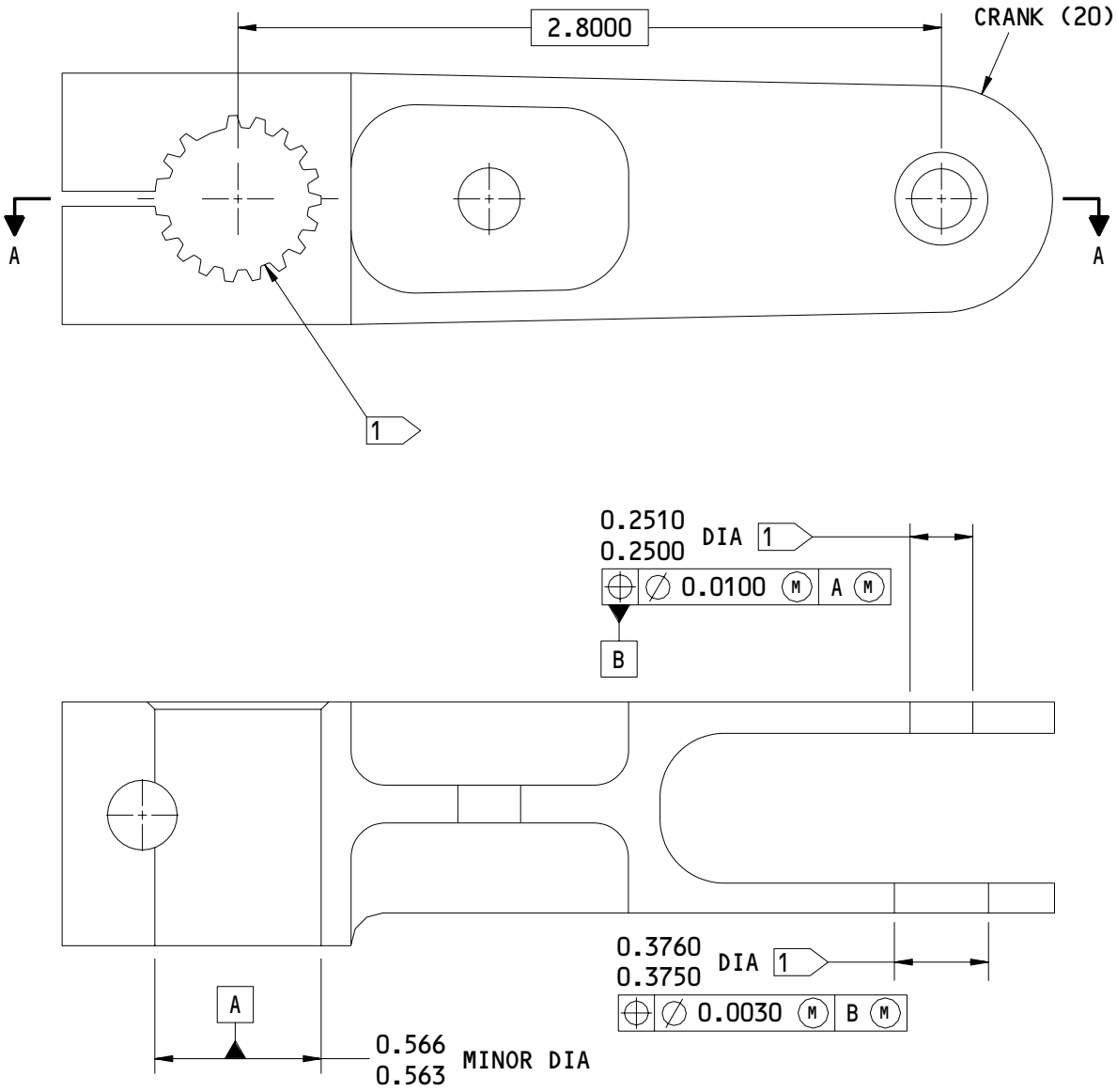
B. Procedure

(1) Put a finish on the crank (20).

(a) Boric acid-sulfuric acid anodize (F17.31)

(b) Apply one coat of BMS 10-11, Type I primer (20.02)

(c) Apply one coat of BMS 10-11, Type II, gloss enamel (F-21.17)




A–A

1 OMIT PRIMER OR PAINT FROM THIS SURFACE

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

257T2235-11
Crank Repair
Figure 601



K34076

ROD ASSEMBLY- REPAIR 3-1

BACR24N6B072

1. General

   A. This repair has instructions for the replacement of the rod assembly (25).

   B. Refer to the Standard Overhaul Practices Manual (SOPM) for standard practices shown in the repair.

   C. Refer to the REPAIR - GENERAL (32-41-55/601, REPAIR - GENERAL) for the Standard True Position Dimensioning Symbols shown in the repair.

   D. Refer to IPL Fig. 1 for item numbers.

2. Rod Assemby Replacement

   A. Consumable Materials

      NOTE: Equivalent material can be used.

   B. References

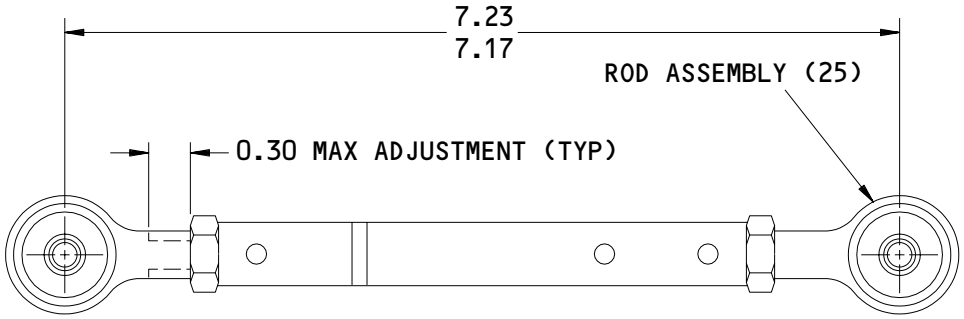
      (1) SOPM 20-60-04, Miscellaneous Materials

   C. Procedure (Fig. 601)

      (1) Remove the rod assembly (25) from the valve assemby (90).

      (2) Remove the rod ends from rod assembly (25).

      (3) Install the rod ends and maintain the dimension 7.23-7.17 inches per fig. 601.




ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Rod Asssembly Repair
Figure 601



K34078

ASSEMBLY

1. General

   A. This procedure contains the data necessary to assemble the the valve

   B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM chapters identified in this procedure.

   C. Refer to IPL Fig. 1 for item numbers.

2. Valve Assembly

   A. Consumable Materials

      NOTE: Equivalent material can be used.

      (1) **** C00913 Compound -- BMS 3-27 (SOPM 20-60-04)

   B. References

      (1) SOPM 20-50-01, Bolt and Nut Installation

      (2) SOPM 20-50-02 Installation safety devices

      (3) SOPM 20-60-03 Lubricants

      (4) SOPM 20-60-04, Miscellaneous Materials

   C. Procedure

      (1) Use standard industry procedures to assemble these components. Lubricate lightly all packings and backuprings with BMS 3-11, Type IV,Hydraulic fluid. Also cap all hydraulic fittings with BMS 3-11 to prevent leakage during shipping and handling.

         (a) Install adapter (70) ring-backup (75), and, packings (80, 85).

         (b) Install filter fitting (30), ring-backup (35), and packings (40, 45).

         (c) Install adapter (50), ring-backup (55), and packings (60, 65).

         (d) Install adapter (52), ring-backup (35), and packings (40, 45).

         (e) Install crank (20) on Valve assembly (90).

WARNING: BMS 3-27 COMPOUND CONTAINS ASBETOS, TOLUENE, XYLENE, STRONTIUM CHROMATE AND BARIUM CHROMATE, CONSULT APPLICABLE SAFETY STANDARDS PERSONNEL FOR THE APPROVED HANDLING PRECAUTIONS.

CAUTION: BMS 3-27 COMPOUND IS ONLY USED IN STATIC JOINTS WHERE GREEASE CAN NOT BE APPLIED. BMS 3-27 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM TO MOVE FREELY.

(f) Install the bolt (5A) with BMS 3-27, washer (10) and nut (15).

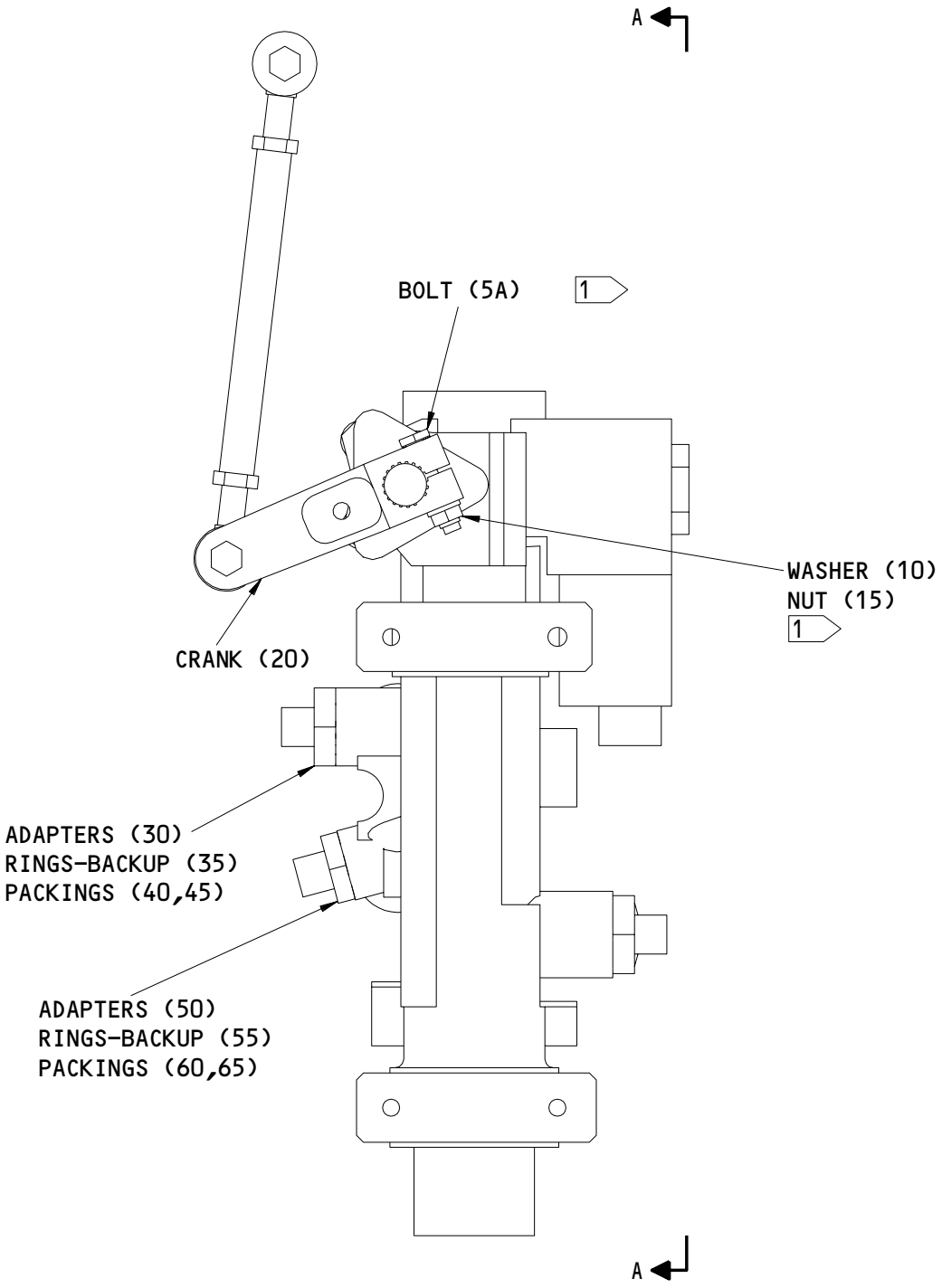
(g) Install rod assembly (25) on crank (20).

WARNING: BMS 3-27 COMPOUND CONTAINS ASBETOS, TOLUENE, XYLENE, STRONTIUM CHROMATE AND BARIUM CHROMATE, CONSULT APPLICABLE SAFETY STANDARDS PERSONNEL FOR THE APPROVED HANDLING PRECAUTIONS.

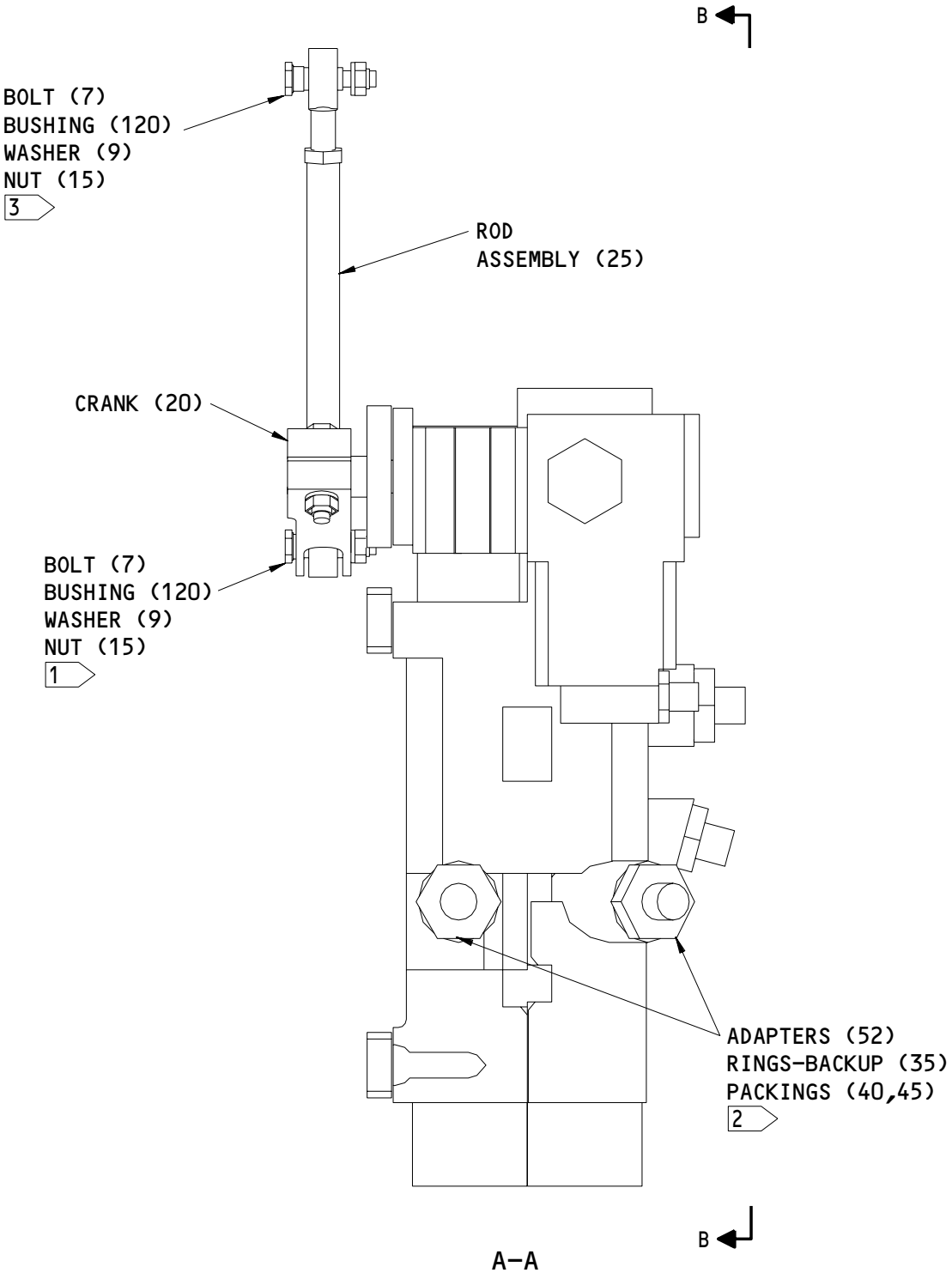
CAUTION: BMS 3-27 COMPOUND IS ONLY USED IN STATIC JOINTS WHERE GREEASE CAN NOT BE APPLIED. BMS 3-27 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM TO MOVE FREELY.

(2) Install bolts (7), bushings (9), washers (10), and nuts (15).

NOTE: Intall bolt (7) which connect the crank (20) to the valve assembly (90) with BMS 3-27 per flag note 1 (Fig. 1)



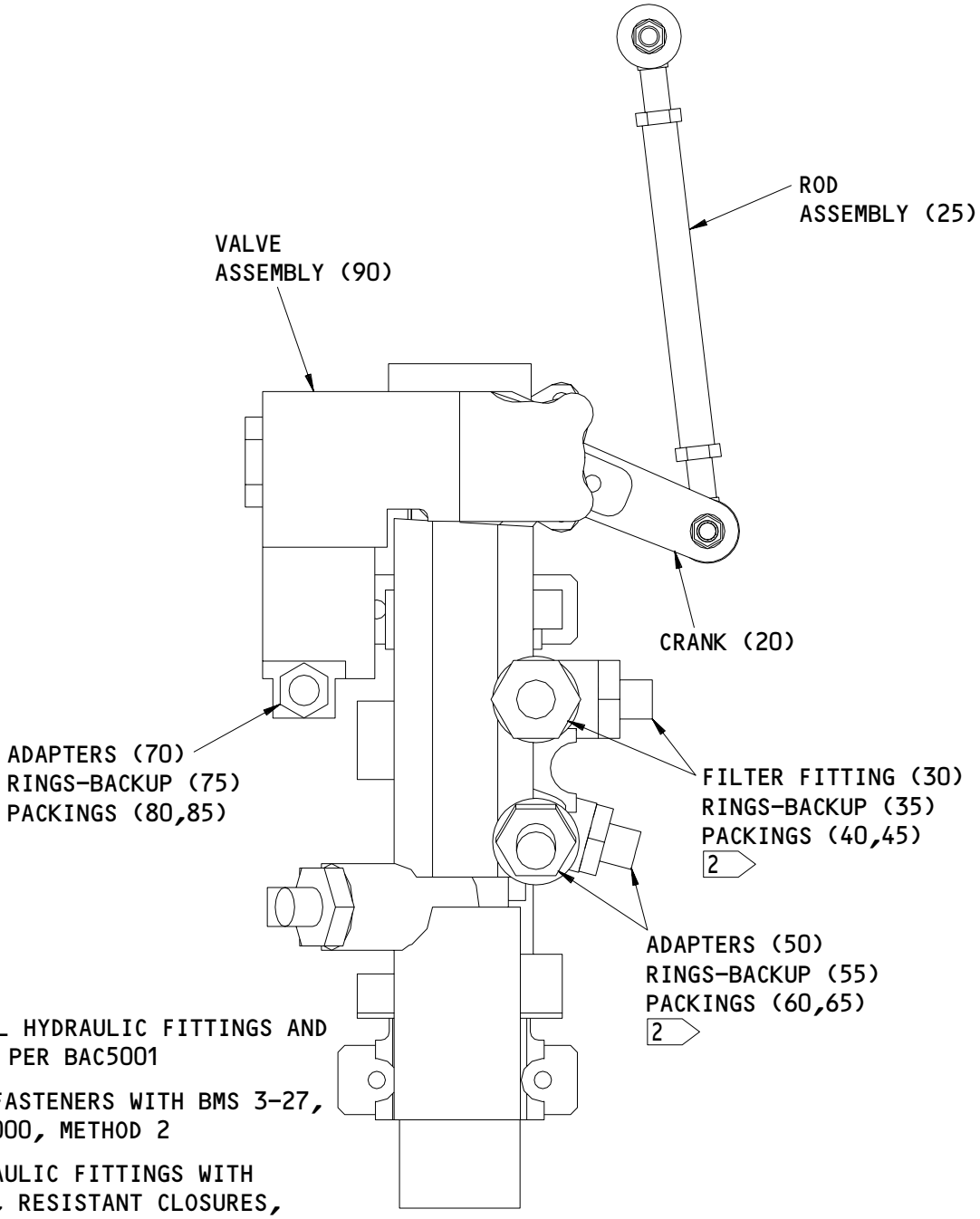

Brake Metering Valve Assembly
Figure 701 (Sheet 1)




Brake Metering Valve Assembly
Figure 701 (Sheet 2)



K35815




NOTE: INSTALL HYDRAULIC FITTINGS AND TORQUE PER BAC5001

1 INSTALL FASTENERS WITH BMS 3-27, PER BAC5000, METHOD 2

2 CAP HYDRAULIC FITTINGS WITH BMS 3-11, RESISTANT CLOSURES, WITH GASKET OR OTHER POSITIVE SEALING METHOD TO PREVENT LEAKAGE DURING SHIPPING AND HANDLING

3 INSTALL FASTENER FINGER TIGHT ONLY

ITEM NUMBERS REFER TO IPL FIG. 1

Brake Metering Valve Assembly
Figure 701 (Sheet 3)

## ILLUSTRATED PARTS LIST

1. This section lists and illustrates replaceable or repairable component parts. The Illustrated Parts Catalog contains a complete explanation of the Boeing part numbering system.

2. Indentures show parts relationships as follows:

    Assembly
      Detail Parts for Assembly
      Subassembly
      Attaching Parts for Subassembly
        Detail Parts for Subassembly

    Detail Installation Parts (Included only if installation parts may be returned to shop as part of assembly)

3. One use code letter (A, B, C, etc.) is assigned in the EFF CODE column for each variation of top assembly. All listed parts are used on all top assemblies except when limitations are shown by use code letter opposite individual part entries.

4. Letter suffixes (alpha-variants) are added to item numbers for optional parts, Service Bulletin modification parts, configuration differences (Except left- and right-hand parts), product improvement parts, and parts added between two sequential item numbers. The alpha-variant is not shown on illustrations when appearance and location of all variants of the part is the same.

5. Service Bulletin modifications are shown by the notations PRE SB XXXX and POST SB XXXX.

    A. When a new top assembly part number is assigned by Service Bulletin, the notations appear at the top assembly level only. The configuration differences at detail part level are then shown by use code letter.

    B. When the top assembly part number is not changed by the Service Bulletin, the notations appear at the detail part level.

6. Parts Interchangeability

| | |
|---|---|
| Optional (OPT) | The parts are optional to and interchangeable with other parts having the same item number. |
| Supersedes, Superseded By (SUPSDS, SUPSD BY) | The part supersedes and is not interchangeable with the original part. |
| Replaces, Replaced By (REPLS, REPLD BY) | The part replaces and is interchangeable with, or is an alternate to, the original part. |

VENDORS

01673 AIRDROME PARTS CO
3251 AIRPORT WAY PO BOX 1867
LONG BEACH, CALIFORNIA 90801

02107 FLOUROCARBON CO OHIO DIV
DOVER, OHIO 44622
CANCELLED NO REPLACEMENT

07128 TETRAFLUOR INC
2051 EAST MAPLE AVENUE
EL SEGUNDO, CALIFORNIA 90245-5009

10989 MECTRON INDUSTRIES INCORPORATED SUB OF PALL CORP
330 TURNBULL CANYON ROAD PO BOX 3391
CITY OF INDUSTRY, CALIFORNIA 91745-0391

14798 DEUTSCH CO METAL COMPONENTS DIV
14800 SOUTH FIGUEROA STREET
GARDENA, CALIFORNIA 90248-1719

26303 GREENE TWEED IND INC ADVANTEC DIV
7101 PATTERSON DRIVE PO BOX 5037
GARDEN GROVE, CALIFORNIA 92645-5037

26879 CORONADO MFG INC
11069 PENROSE AVENUE
SUN VALLEY, CALIFORNIA 90352-2722

30974 AEROFIT PRODUCTS INC
8531 WHITAKER STREET
BUENA PARK, CALIFORNIA 90621-3129

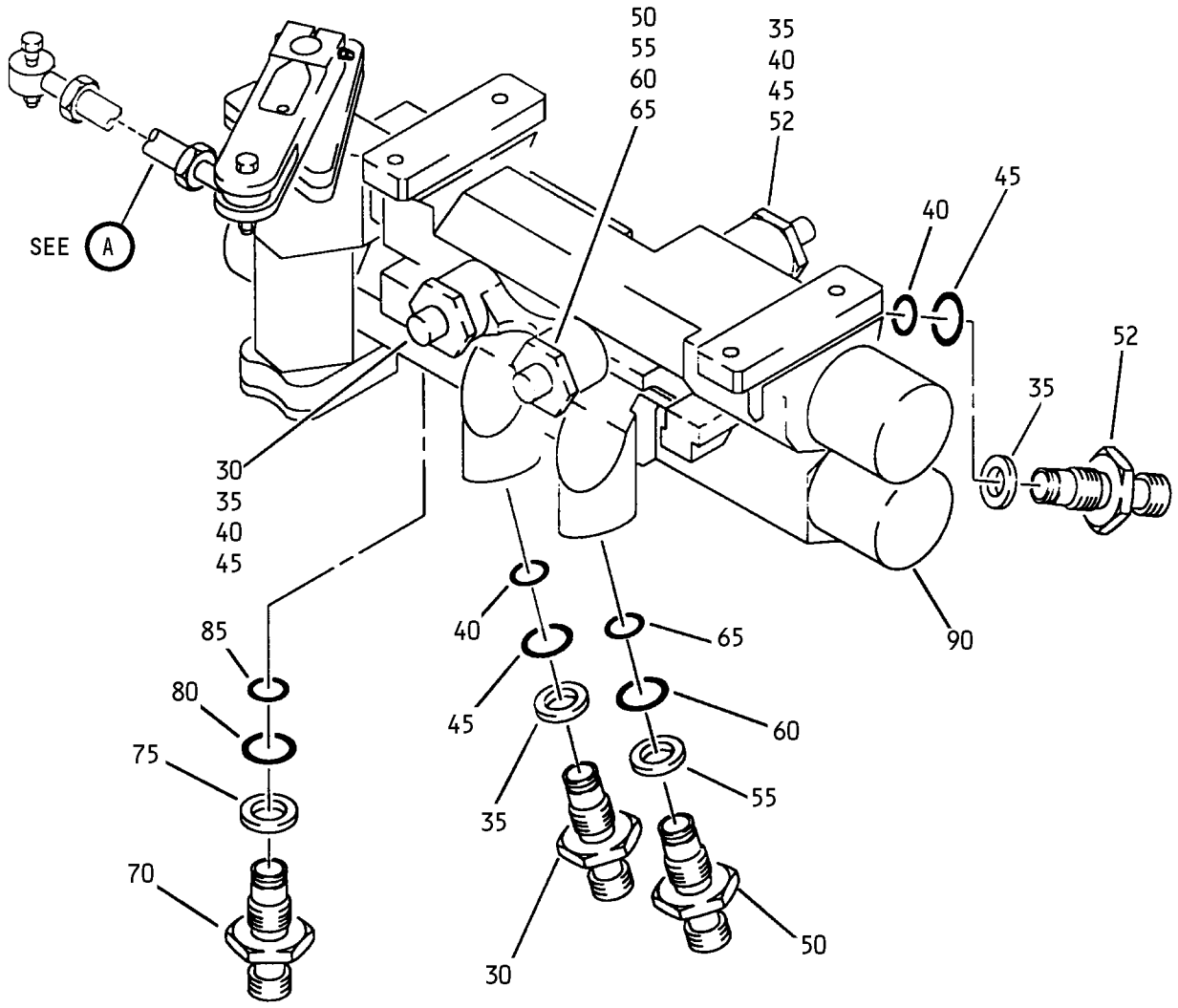
94878 RAYBESTOS-MANHATTAN INC PACIFIC COAST DIV
FULLERTON, CALIFORNIA 92631
BUSINESS DISCONTINUED

97820 BUSAK AND SHAMBAN INC BEARING DIV
711 MITCHELL ROAD PO BOX 665
NEWBURY PARK, CALIFORNIA 91320-2214

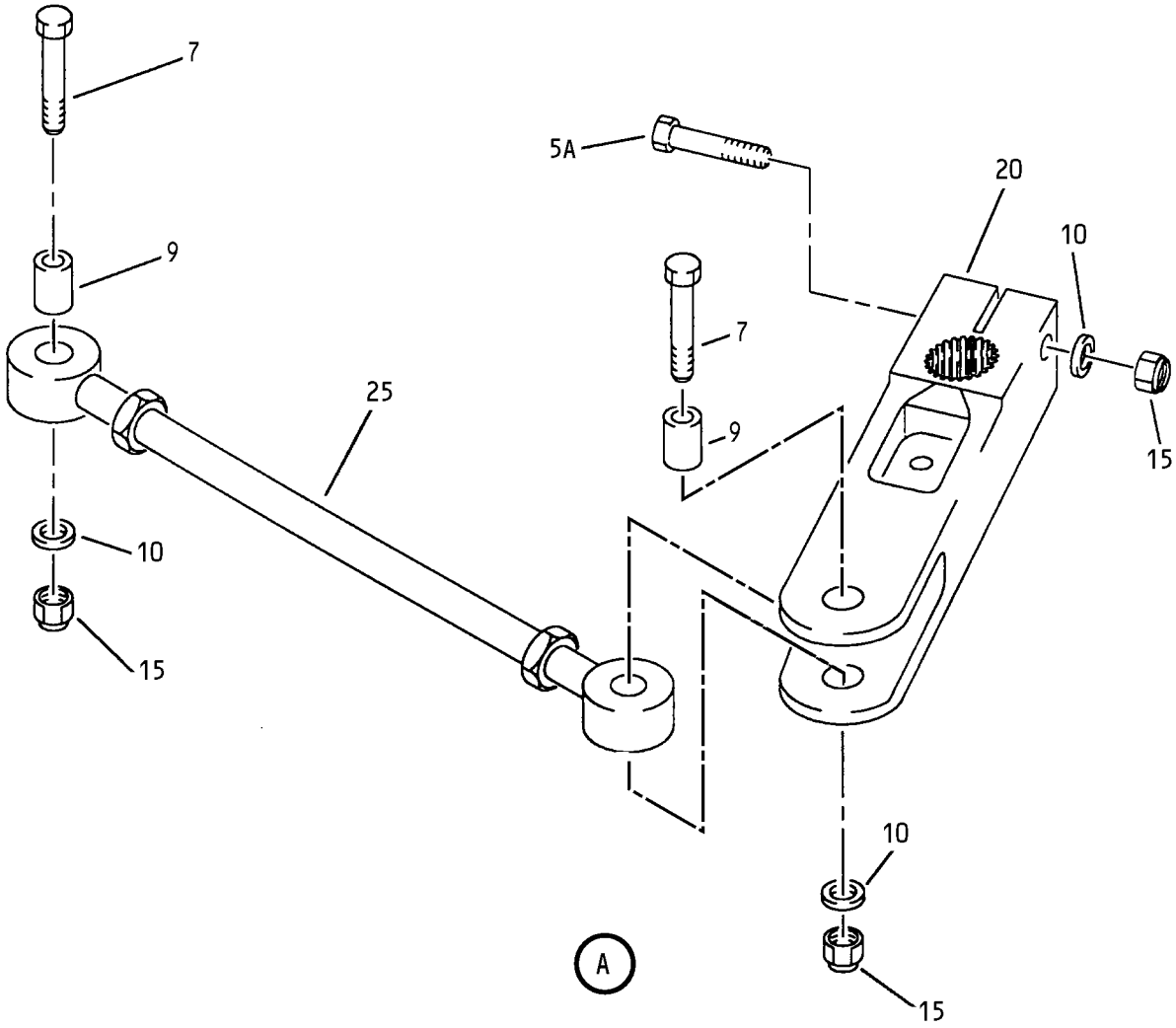
99643 VICKERS INC FLUID CONTROL AND ACTUATION DIV
4690 COLORADO BLVD PO BOX 39787
LOS ANGELES, CALIFORNIA 90039-1106

| PART NUMBER | AIRLINE PART NO. | FIG. | ITEM | TTL REQ |
|---|---|---|---|---|
| AFP233-4-4T | | 1 | 70 | 1 |
| AP1005-04T | | 1 | 70 | 1 |
| BACA14AZ4AT | | 1 | 70 | 1 |
| BACA14AZ6A10T | | 1 | 52 | 2 |
| | | 1 | 95 | 2 |
| BACA14AZ6A8T | | 1 | 50 | 2 |
| BACB28AK04-0161 | | 1 | 9 | 2 |
| | | 1 | 120 | 2 |
| BACB30NR4K14 | | 1 | 7 | 2 |
| | | 1 | 115 | 2 |
| BACB30NR4K16 | | 1 | 5A | 1 |
| BACN10JC4CM | | 1 | 15 | 1 |
| | | 1 | 130 | 2 |
| BACR12BM008 | | 1 | 75 | 1 |
| BACR12BM111 | | 1 | 55 | 2 |
| BACR12BM113 | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| BACR24N6B072 | | 1 | 25 | 1 |
| C11236-008B | | 1 | 75 | 1 |
| C11236-111B | | 1 | 55 | 2 |
| C11236-113B | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| DB0A14AZ4T | | 1 | 70 | 1 |
| NAS1149D0463J | | 1 | 10 | 1 |
| | | 1 | 125 | 2 |
| NAS1611-008A | | 1 | 80 | 1 |
| NAS1611-111A | | 1 | 60 | 2 |
| NAS1611-113A | | 1 | 40 | 2 |
| | | 1 | 105 | 2 |
| NAS1612-10A | | 1 | 45 | 2 |
| | | 1 | 110 | 2 |
| NAS1612-4A | | 1 | 85 | 1 |
| NAS1612-8A | | 1 | 65 | 2 |
| RMR12BM008 | | 1 | 75 | 1 |
| RMR12BM111 | | 1 | 55 | 2 |
| RMR12BM113 | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| STF800-008 | | 1 | 75 | 1 |
| STF800-111 | | 1 | 55 | 2 |
| STF800-113 | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| S274T402-20 | | 1 | 90 | 1 |
| S30294-008-1 | | 1 | 75 | 1 |
| S30294-111-1 | | 1 | 55 | 2 |

| PART NUMBER | AIRLINE PART NO. | FIG. | ITEM | TTL REQ |
|---|---|---|---|---|
| S30294-113-1 | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| TF450-008A | | 1 | 75 | 1 |
| TF450-111A | | 1 | 55 | 2 |
| TF450-113A | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| 2100-008 | | 1 | 75 | 1 |
| 2100-111 | | 1 | 55 | 2 |
| 2100-113 | | 1 | 35 | 2 |
| | | 1 | 100 | 2 |
| 257T2235-11 | | 1 | 20 | 1 |
| 257T2271-1 | | 1 | 1A | RF |
| 28028 | | 1 | 30 | 1 |
| 71404-1 | | 1 | 90 | 1 |




Brake Metering Valve Assembly
Figure 1 (Sheet 1)




Brake Metering Valve Assembly
Figure 1 (Sheet 2)



K34090

| FIG. & ITEM | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1234567 | EFF CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 01- | | | | | |
| -1A | 257T2271-1 | | VALVE ASSY-BRAKE METERING | | RF |
| 5 | BACB30NR4K18 | | DELETED | | |
| 5A | BACB30NR4K16 | | .BOLT-HEX HEAD | | 1 |
| 7 | BACB30NR4K14 | | .NUT | | 2 |
| 9 | BACB28AK04-0161 | | .BUSHING | | 2 |
| 10 | NAS1149D0463J | | .WASHER | | 3 |
| 15 | BACN10JC4CM | | .NUT | | 3 |
| 20 | 257T2235-11 | | .CRANK | | 1 |
| 25 | BACR24N6B072 | | .ROD | | 1 |
| 30 | 28028 | | .FITTING-<br>(V10989) | | 1 |
| 35 | C11236-113B | | .RING-BACKUP<br>(V26879)<br>(SPEC BACR12BM113)<br>(OPT RMR12BM113<br>(V94878))<br>(OPT STF800-113<br>(V02107))<br>(OPT S30294-113-1<br>(V97820))<br>(OPT TF450-113A<br>(V07128))<br>(OPT 2100-113<br>(V26303)) | | 4 |
| 40 | NAS1611-113A | | .PACKING | | 4 |
| 45 | NAS1612-10A | | .PACKING | | 4 |
| 50 | BACA14AZ6A8T | | .ADAPTER | | 2 |
| 52 | BACA14AZA6A10T | | .ADAPTER | | 2 |
| 55 | C11236-111B | | .RING-BACKUP<br>(V26879)<br>(SPEC BACR12BM111)<br>(OPT RMR12BM111<br>(V94878))<br>(OPT STF800-111<br>(V02107))<br>(OPT S30294-111-1<br>(V97820))<br>(OPT TF450-111A<br>(V07128))<br>(OPT 2100-111<br>(V26303)) | | 2 |
| 60 | NAS1611-111A | | .PACKING | | 2 |
| 65 | NAS1612-8A | | .PACKING | | 2 |

| FIG. & ITEM | PART NO. | AIRLINE PART NUMBER | NOMENCLATURE 1234567 | EFF CODE | QTY PER ASSY |
|---|---|---|---|---|---|
| 01- | | | | | |
| 70 | AFP233-4-4T | | .ADAPTER-<br>(V30974)<br>(SPEC BACA14AZ4AT)<br>(OPT AP1005-04T<br>(V01673))<br>(OPT DB0A14AZ4T<br>(V14798)) | | 1 |
| 75 | C11236-008B | | .RING-BACKUP<br>(V26879)<br>(SPEC BACR12BM008)<br>(OPT RMR12BM008<br>(V94878))<br>(OPT STF800-008<br>(V02107))<br>(OPT S30294-008-1<br>(V97820))<br>(OPT TF450-008A<br>(V07128))<br>(OPT 2100-008<br>(V26303)) | | 1 |
| 80 | NAS1611-008A | | .PACKING | | 1 |
| 85 | NAS1612-4A | | .PACKING | | 1 |
| 90 | 71404-1 | | .VALVE ASSY-<br>(V99643)<br>(SPEC S274T402-20) | | 1 |
| 95 | BACA14AZ6A10T | | DELETED | | 2 |
| 115 | BACB30NR4K14 | | DELETED | | 2 |
| 120 | BACB28AK04-0161 | | DELETED | | 2 |
| 130 | BACN10JC4CM | | DELETED | | 2 |

- Item Not Illustrated