COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

SYSTEM B HYDRAULIC RESERVOIR ASSEMBLY

PART NUMBER 276A3100–11, –8

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COMPONENT MAINTENANCE MANUAL

Revision No. 11
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To: All holders of SYSTEM B HYDRAULIC RESERVOIR ASSEMBLY 29-11-19.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

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Location of Change	Description of Change
	NO HIGHLIGHTS

COMPONENT MAINTENANCE MANUAL

A = Added, R = Revised, D = Deleted, O = Overflow

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COMPONENT MAINTENANCE MANUAL

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
737-29-1110R1		PRR38275-130S	MAR 01/09

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

Revision		Filed		Revision		Filed	
Number	Date	Date	Initials	Number	Date	Date	Initials

Revision		Filed		Revision		Filed	
Number	Date	Date	Initials	Number	Date	Date	Initials

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Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials

Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials

INTRODUCTION

1. General

A. The instructions in this manual supply the data necessary to do the maintenance functions together with the test, fault isolation, repair, and replacement of the defective parts.

B. This manual is divided into different parts:

(1) Title Page

(2) Transmittal Letter

(3) Highlights

(4) List of Effective Pages

(5) Table of Contents

(6) Temporary Revision & Service Bulletin Record

(7) Record of Revisions

(8) Record of Temporary Revisions

(9) Introduction

(10) Procedures & IPL Sections

C. Components that can be repaired have a different repair number for each specified repair. To find the repair number location of a component, look in the Repair-General procedure at the beginning of the REPAIR section. The Repair-General procedure also has an explanation of the True Position Dimension symbols used.

D. All dimensions, measures, quantities and weights included are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.

E. The introduction to the Illustrated Parts List (IPL) shows how the IPL data is used.

F. Design changes, optional parts, configuration differences and Service Bulletin modifications may cause different part numbers. These part numbers are identified in the IPL with an alphabetical letter which is added to the end of the basic item number. This new item number is referred to as an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless shown differently.

G. The tool reference numbers found in the individual procedures and in the Special Tools, Fixtures, and Equipment section are used to identify if a tool is a standard tool (STD-XXXX), a commercial tool (COM-XXXX), or a Special Tool (SPL-XXXX). This reference number is also used to distinguish between tools with similar names in the same procedure. These reference numbers are for use in the documentation only. They are not to be used for ordering tools.

SYSTEM B HYDRAULIC RESERVOIR ASSEMBLY - DESCRIPTION AND OPERATION

1. Description and Operation

A. The System B Hydraulic Reservoir Assembly is a pressure tank assembly that includes a brazed dome, body, mounting ring, connectors and quantity transmitter. The dome brazement contains the inlet pressure boss and mounting ring. The body contains bosses for the transmitter, balance line, return line, pump feed port, power transfer unit port, and drain valve.

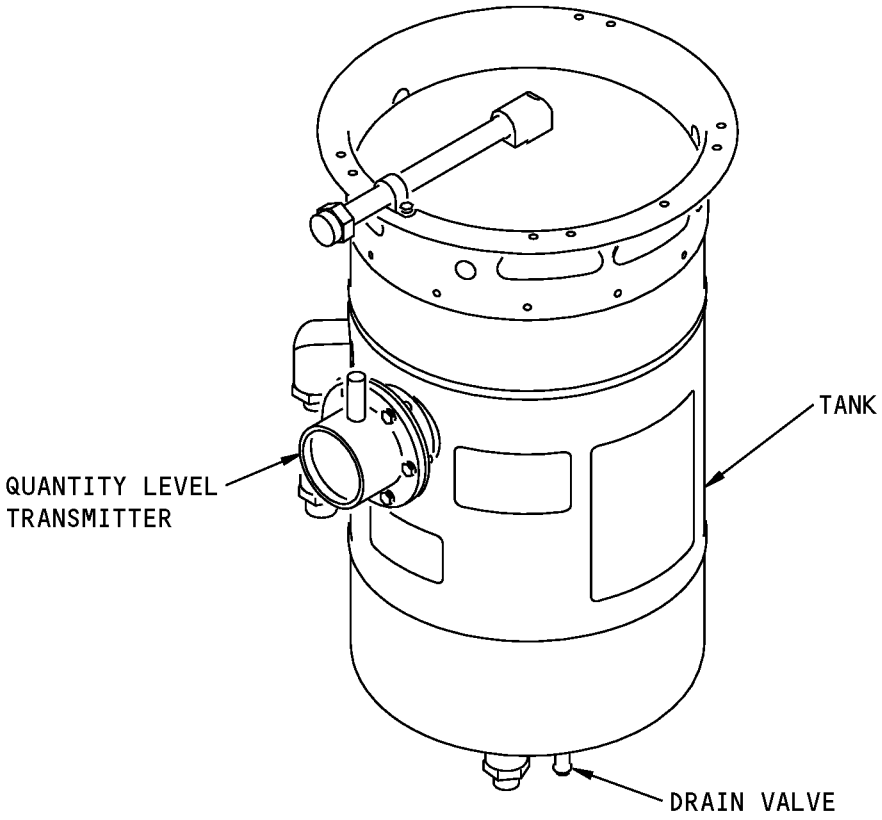
B. Hydraulic fluid in the reservoir is pressurized by pneumatic system air, to make a pressurized supply to the hydraulic pumps and to prevent cavitation. Exit baffles and vanes prevent swirl cavitation and return baffles reduce foaming. A drain valve allows the tank contents to be emptied. A quantity level transmitter with a direct reading dial indicates the amount of fluid in the reservoir.

2. Leading Particulars (approximate)

A. Diameter – 12 inches

B. Height – 23.5 inches

C. Weight – 14.9 pounds (dry)



System B Hydraulic Reservoir Assembly
Figure 1

TESTING AND FAULT ISOLATION

1. General

A. This procedure contains the data necessary to do a test of the System B hydraulic reservoir assembly after an overhaul or for fault isolation.

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

C. Refer to IPL Figure 1 for item numbers.

2. Pressure and Leak Test

A. Test Setup

NOTE: Equivalent tool/equipment can be used.

(1) Test stand to supply 100 psi with a 15-micron absolute filter.

(2) Water plus 0.02 percent sodium dichromate by weight, or BMS 3-11 hydraulic fluid, D00153, or fresh water (fresh water can be used only if reservoir is dried within 2 hours of test in temperatures less than 140°F).

B. Procedure

NOTE: For disassembly, refer to DISASSEMBLY. For assembly, refer to ASSEMBLY.

(1) With the reservoir filled with the test solution, apply a proof pressure of 100 psi to the reservoir for a period of 5 minutes.

(2) Make sure there is no external leakage or permanent set.

(3) Drain the reservoir and clean it per CLEANING instructions.

3. Fault Isolation

A. For fault isolation, refer to TESTING AND FAULT ISOLATION, Table 101.

Table 101: Fault Isolation Chart

TROUBLE	PROBABLE CAUSE	CORRECTION
Leakage around ports, or assembly seams	Defective brazed joints.	Replace reservoir.

DISASSEMBLY

1. **Disassembly**

   NOTE: Disassemble this component only as necessary to complete fault isolation, find out the serviceability of parts, do the repairs and to put the unit back in serviceable condition.

   NOTE: Do not remove the nuts (125), washers (110, 120), spacer (115), bolts (105), clamp (130), or tube (135) unless repair or replacement is necessary.

   A. Remove the nuts (30), washers (20, 25), bolts (15), transmitter (35B) and packing (40).

   B. Remove the bolts (80), washers (85), drain valve (90) and packing (95).

   C. Remove the unions (50, 70), reducers (45, 60) and packings (55, 65, 75).

CLEANING

1. General

A. This procedure has the data necessary to clean the reservoir assembly and related parts.

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

2. Cleaning

A. Tools/Equipment

NOTE: Equivalent substitutes may be used.

Reference	Description
SPL-5395	Sealing Cap, Pressure Transmitter Mount Tool (Part #: C29001-1, Supplier: 81205)

B. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
D00153	Fluid - Hydraulic, Erosion Arresting, Fire Resistant	BMS3-11 Type IV (interchange˜able & intermixable with Type V)
G01912	Lockwire - Monel (0.032 In. Dia.)	NASM20995N˜C32 (QQ-N-281)

C. References

Reference	Title
SOPM 20-50-02	INSTALLATION OF SAFETYING DEVICES
SOPM 20-60-03	LUBRICANTS

D. Procedure

NOTE: Do this procedure before storage.

NOTE: Hydraulic test stand should supply 20 gpm at 55 psig through a 15-micron filter.

(1) Use BMS 3-11 fluid, D00153 continuously filtered through a 15 micron absolute filter.

(2) Connect the supply line from the test stand to system return union (50).

(3) Connect the return line on the test stand to the supply connections on the lower manifold casting.

(4) Cap the reservoir vent with a pressure blank. Make sure the drain valve (90) is closed.

(5) Remove the transmitter (35A) and cover the opening with the Sealing Cap, Pressure Transmitter Mount Tool, SPL-5395.

(6) Flush the reservoir for 10 minutes at 20 gpm flow rate. Do not let the reservoir pressure increase more than 55 psig.

(7) Drain the reservoir through the drain valve (90) (SOPM 20-60-03).

(8) Remove the Sealing Cap, Pressure Transmitter Mount Tool, SPL-5395 and install the transmitter (35A) with packing (40), bolts (15), washers (20, 25) and nuts (30).

(9) Disconnect the flushing lines from the reservoir and install BMS 3-11 hydraulic fluid, D00153 resistant plugs or caps in all openings.

(10) Close the drain valve (90) and lockwire with lockwire, G01912 by the double-twist method (SOPM 20-50-02).

CHECK

1. General

A. This procedure has the data necessary to find defects in the specified parts.

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

2. Check

A. References

Reference	Title
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 check (SOPM 20-20-02) if the visual check shows possible damage or if you think these are defects on these parts:

(a) Boss (140, 160, 165, 175, 180)

(b) Bracket (155)

(c) Plate (170)

(d) Ring (185)

(2) Look through the openings of the tank to see if the weld assembly (220) and baffle assemblies (230, 240) are in position.

(3) Examine quantity transmitter (35B) by the vendor's instructions.

REPAIR

1. Content

A. Repair, refinish and replacement procedures are included in separate repair sections as follows:

Table 601:

P/N	NAME	REPAIR
276A3201	TANK ASSEMBLY	1-1

2. Dimensioning Symbols

A. Standard True Positioning Symbols used in the application repair procedures are shown in SOPM 20-00-00.

HYDRAULIC TANK ASSEMBLY - REPAIR 1-1

276A3201–2, –4, –5

1. General

A. This procedure has the data necessary to repair and refinish the hydraulic tank assembly (100).

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

C. Refer to IPL Figure 1 for item numbers.

D. General Repair Details:

(1) Material: Aluminum Alloy

2. Marker Replacement

A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
A00247	Sealant - Pressure And Environmental - Chromate Type	BMS 5-95
B00571	Coating - Clear Hydraulic Fluid Resistant Topcoat	BAC5710, Type 41

B. References

Reference	Title
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-50-05	APPLICATION OF ALUMINUM FOIL AND OTHER MARKERS
SOPM 20-50-10	APPLICATION OF STENCILS, INSIGNIA, SILK SCREEN, PART NUMBERING AND IDENTIFICATION MARKINGS
SOPM 20-60-02	FINISHING MATERIALS
SOPM 20-60-04	MISCELLANEOUS MATERIALS

C. Procedure

NOTE: For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02. For miscellaneous materials, refer to SOPM 20-60-04.

(1) Remove the defective markers from the tank surface. Then clean the tank surface and refinish it as necessary (SOPM 20-30-03).

(2) Get replacement markers. Markers BAC27DHY0304, BAC27DHY385, BAC27DHY387 and BAC27DHY415 are aluminum foil markers with adhesive. Markers BAC27DHY0305 and BAC27DHY367 are aluminum sheet markers without adhesive.

(3) Steel stamp the assembly dash number on the BAC27DHY367 or BAC27DHY385 marker before you install it. (SOPM 20-50-10).

(4) Install the markers on the tank within 0.25 inch of the location of the old markers. Bond the BAC27DHY0305 and BAC27DHY367 markers in position with sealant, A00247 (SOPM 20-50-05).

(5) Apply Type 41 clear protective coating coating, B00571 (F-21.34) to the markers and to the adjacent surfaces a minimum of 0.35 inch out from the marker edges.

3. Hydraulic Tank Assembly Repair

A. Procedure

CAUTION: DO NOT REMOVE MATERIAL INSIDE OF, OR WITHIN 0.5 INCH OF RADIUSED AREAS OF TRANSITION FROM CYLINDRICAL TO SPHERICAL FORM. MULTIPLE BLEND-OUT REPAIRS IN THE SAME RESERVOIR LOCATION MUST NOT EXCEED MAXIMUM DEPTH VALUES SHOWN BELOW.

(1) Smooth and blend out areas of small defects.

(2) In areas of cylindrical form (tank assembly sides), blend to a maximum depth of 0.013 inches. In areas of spherical form (end domes), blend to a maximum depth of 0.010 inch.

(3) Refinish as necessary for protection against corrosion.

4. Hydraulic Tank Assembly Refinish

A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, Type I
C00260	Coating - Chemical And Solvent Resistant Finish, Epoxy Resin Enamel	BMS10-11, Type II

B. References

Reference	Title
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-02	FINISHING MATERIALS

C. Procedure

NOTE: For general cleaning procedures, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

(1) Mask the markers and chemical treat (F-17.07) the tank surface as necessary.

(2) Apply primer, C00259 (F-20.02) and coating, C00260 (F-21.02) on all exterior surfaces but not on boss faces, packing seats, threads, equipment mating surfaces, or 1.25 inches from the end of tube (135).

ASSEMBLY

1. General

A. This procedure contains the data necessary to assemble the system B hydraulic reservoir assembly.

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

C. Refer to IPL Figure 1 for item numbers.

2. Hydraulic Reservoir Assembly

A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
D00054	Fluid - Hydraulic Assembly Lubricant - MCS 352B (Formerly Monsanto MCS 352B)	
D00153	Fluid - Hydraulic, Erosion Arresting, Fire Resistant	BMS3-11 Type IV (interchange˜ able & intermixable with Type V)
G01912	Lockwire - Monel (0.032 In. Dia.)	NASM20995N˜ C32 (QQ-N-281)

B. References

Reference	Title
SOPM 20-50-01	BOLT AND NUT INSTALLATION
SOPM 20-50-02	INSTALLATION OF SAFETYING DEVICES
SOPM 20-50-06	INSTALLATION OF O-RINGS AND TEFLON SEALS
SOPM 20-50-07	LUBRICATION
SOPM 20-60-03	LUBRICANTS
SOPM 20-60-04	MISCELLANEOUS MATERIALS

C. General

(1) Install all lockwire per SOPM 20-50-02.

(2) Lubricate packings (55, 65, 75) and threads of unions (50, 70), and reducers (45, 60) with fluid, D00153 or MCS 352B fluid, D00054 per SOPM 20-50-07.

D. Procedure

NOTE: For lubricants, refer to SOPM 20-60-03. For miscellaneous materials, refer to SOPM 20-60-04.

(1) Install the packings (55, 65, 75), unions (50, 70), and reducers (45, 60) (SOPM 20-50-06).

(2) Install the drain valve (90) with the packing (95), bolts (80) and washers (85). Lockwire the drain valve handle in the closed position with lockwire, G01912 by the double-twist method (SOPM 20-50-02).

(3) Install the transmitter (35B) with packing (40), bolts (15), washers (20, 25) and nuts (30) (SOPM 20-50-01).

3. Storage

A. Use standard industry practices and these steps.

B. Clean the unit per Cleaning procedures.

C. Install hydraulic fluid-resistant plugs or caps on all openings.

(NOT APPLICABLE)

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

1. General

A. This section lists the special tools, fixtures, and equipment necessary for maintenance.

NOTE: Equivalent substitutes may be used.

Special Tools

Reference	Description	Part Number	Supplier
SPL-5395	Sealing Cap, Pressure Transmitter Mount Tool	C29001-1	81205

Tool Supplier Information

CAGE Code	Supplier Name	Supplier Address
81205	THE BOEING COMPANY	17930 INTERNATIONAL BLVD. SOUTH SEATAC, WA 98188-4321 Telephone: 206-662-6650 Facsimile: 206-662-7145

ILLUSTRATED PARTS LIST

1. Introduction

A. The Illustrated Parts List (IPL) contains an illustration and a list of component parts you can repair or replace. The Illustrated Parts Catalog (IPC) shows how to use the Boeing part number system.

B. This shows how parts are related: The relation of each item to its next higher assembly (NHA) is shown in the NOMENCLATURE column. Use the indenture system that follows:

1 2 3 4 5 6 7

. Assembly

. Attaching parts for assembly

. . Detail parts for assembly

. . Subassembly

. . Attaching parts for subassembly

. . . Detail parts for subassembly

. . . Sub-subassembly

. . . Attaching parts for subassembly

. . . . . Details parts for sub-subassembly

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

C. Each top assembly is given one use code letter (A, B, C, etc.) in the USAGE CODE column. All subsequent component parts in the list can have one or more of the use code letters to show effectivity to top assemblies. A component part without a use code applies to all top assemblies.

D. An alphabetical letter is added after the item number for optional parts, parts changed by a Service Bulletin, configuration differences (except left-handed and right-handed parts), last engineering releases, and parts added between item numbers in a sequence. The alphabetical letter will not be shown on the illustration for equivalent parts of the same part number.

E. Color-coded parts are identified with a single digit alpha following the dash number or with ''SP'' suffix. If the ''SP'' suffix is used, it represents consolidation of all color codes applicable for a given usage which are not separately listed. Orders for color-coded parts should include the registry number of the airplane for which the parts are ordered.

F. If a part number is 15 characters long but will not fit in the part number column, the part number will be displayed with a ''~'' at the end of the line and will be continued on the next line. The ''~'' denotes that the part number continues on the next line.

G. Parts changed by a Service Bulletin are shown by PRE SB XXXX and POST SB XXXX added to the NOMENCLATURE column.

(1) When a new top assembly is added by a Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the top assembly level only. The configuration differences at the detail part level are shown by use code letters.

(2) When the top assembly part number is not changed by the Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the detail level.

H. Interchangeable Parts

Optional (OPT)	The part is optional to and interchangeable with other parts that have the same item number.
Replaces, Replaced by and not interchangeable with (REPLACES, REPLACED BY AND NOT INTCHG/W)	The part replaces and is not interchangeable with the initial part.
Replaces, Replaced by (REPLACES, REPLACED BY)	The part replaces and is interchangeable with, or is an alternative to, the initial part.

VENDOR CODES

Code	Name
01673	AIRDROME PRECISION COMPONENTS 3251 E AIRPORT WAY LONG BEACH, CALIFORNIA 90806-2407 FORMERLY AIRDROME PARTS CO
08199	SIERRACIN CORPORATION DBA HARRISON 3020 EMPIRE AVENUE BURBANK, CALIFORNIA 91504-3109 FORMERLY TECHNICAL IND INC OR HARRISON MFG CO DIV AXIAL CORP
11328	Replaced: [V11328] AEROQUIP SEE EATON AEROQUIP V00624 LINAIR ENG A TELEDYNE CO SEE TELEDYNE LINAIR ENGINEERING TELEDYNE INC SEE LINAIR ENGINEERING TELEDYNE LINAIR ENG SEE AEROQUIP CORP LINAIR DIV by Code: Name and Address below 00624: EATON AEROQUIP INC ENGINEERED SYSTEMS DIV 300 S EAST AVE JACKSON, MICHIGAN 49203-1972 FORMERLY AEROQUIP ELBEE PLANT V99879 OR WESTERN PLANT V70128; FORMERLY AEROQUIP AEROSP DIV JACKSON PLANT; FORMERLY V11328 AEROQUIP LINAIR DIV
14798	DEUTSCH CO METAL COMPONENTS DIV 14800 SOUTH FIGUEROA STREET GARDEN, CALIFORNIA 90248-1795 FORMERLY WEATHERHEAD V79470 FOR AEROSPACE PROD V 61498 DEUSCH CO THE DEUTSCH AEROSPACE FITTINGS CO DIV
30974	AEROFIT PRODUCTS INC 6460 DALE STREET BUENA PARK, CALIFORNIA 90621-3115

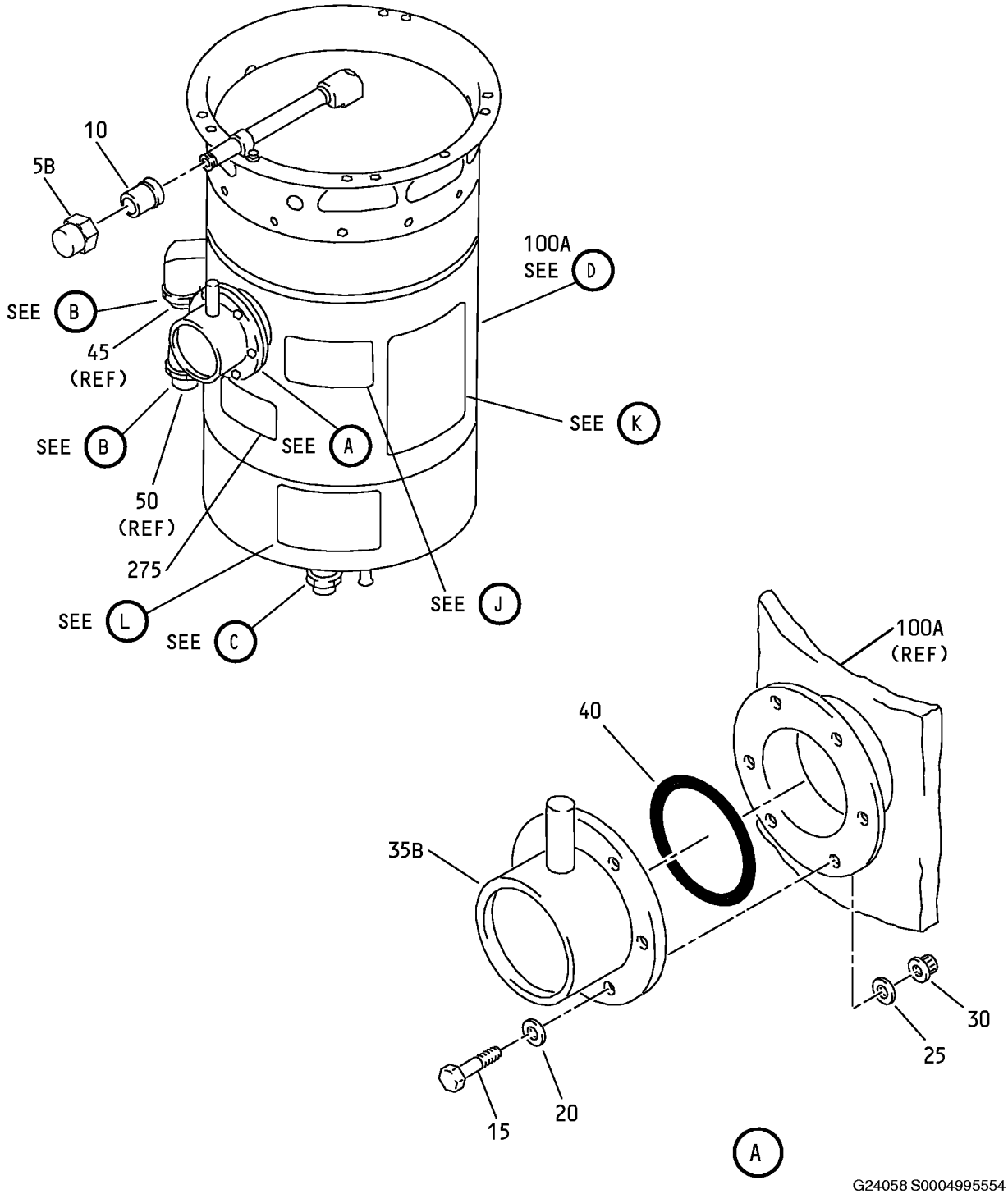
Code	Name
84971	TA MFG CO TA DIV 28065 W FRANKLIN PKY PO BOX 931 VALENCIA, CALIFORNIA 91380-9031 FORMERLY IN LA, CALIF; SUB OF CRITON CORP, GLENDALE, CALIF
89305	BF GOODRICH AEROSPACE AIRCRAFT INTEGRATED SYSTEMS 100 PANTON ROAD VERGENNES, VERMONT 05491-1013
92003	PARKER-HANNIFIN CORPORATION 14300 ALTON PKWY IRVINE, CALIFORNIA 92618 FORMERLY PARKER AIRCRAFT V02689;FORMERLY SCHULZ TOOL & MFG V82267; FORMERLY PARKER-BERTEA AEROSPACE GROUP

NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
10-60554-41		1	35B	1
10-60561-1		1	90	1
2-02903-12HP		1	10	1
20220-0101		1	35B	1
276A3100-11		1	1C	RF
276A3100-8		1	1B	RF
276A3101-3		1	135	1
276A3102-2		1	200	1
276A3102-3		1	190	1
276A3103-3		1	145	1
276A3103-4		1	145A	1
276A3104-2		1	195	1
276A3105-3		1	220	1
276A3106-1		1	225	1
		1	225A	1
276A3106-2		1	225B	1
		1	225C	1
276A3108-1		1	175	1
276A3110-4		1	187	1
276A3111-3		1	250	1
276A3112-5		1	245	1
276A3118-1		1	155	5
276A3201-3		1	100A	1
276A3201-4		1	100B	1
276A3201-5		1	100C	1
276A3202-1		1	165A	2
276A3202-2		1	165B	2
3-111794		1	90	1
35235VN12		1	10	1
65C26861-5		1	150	1
69-35744-7		1	140	1
69-35752-2		1	160	1
69-35754-2		1	170	2
69-73922-1		1	180	1

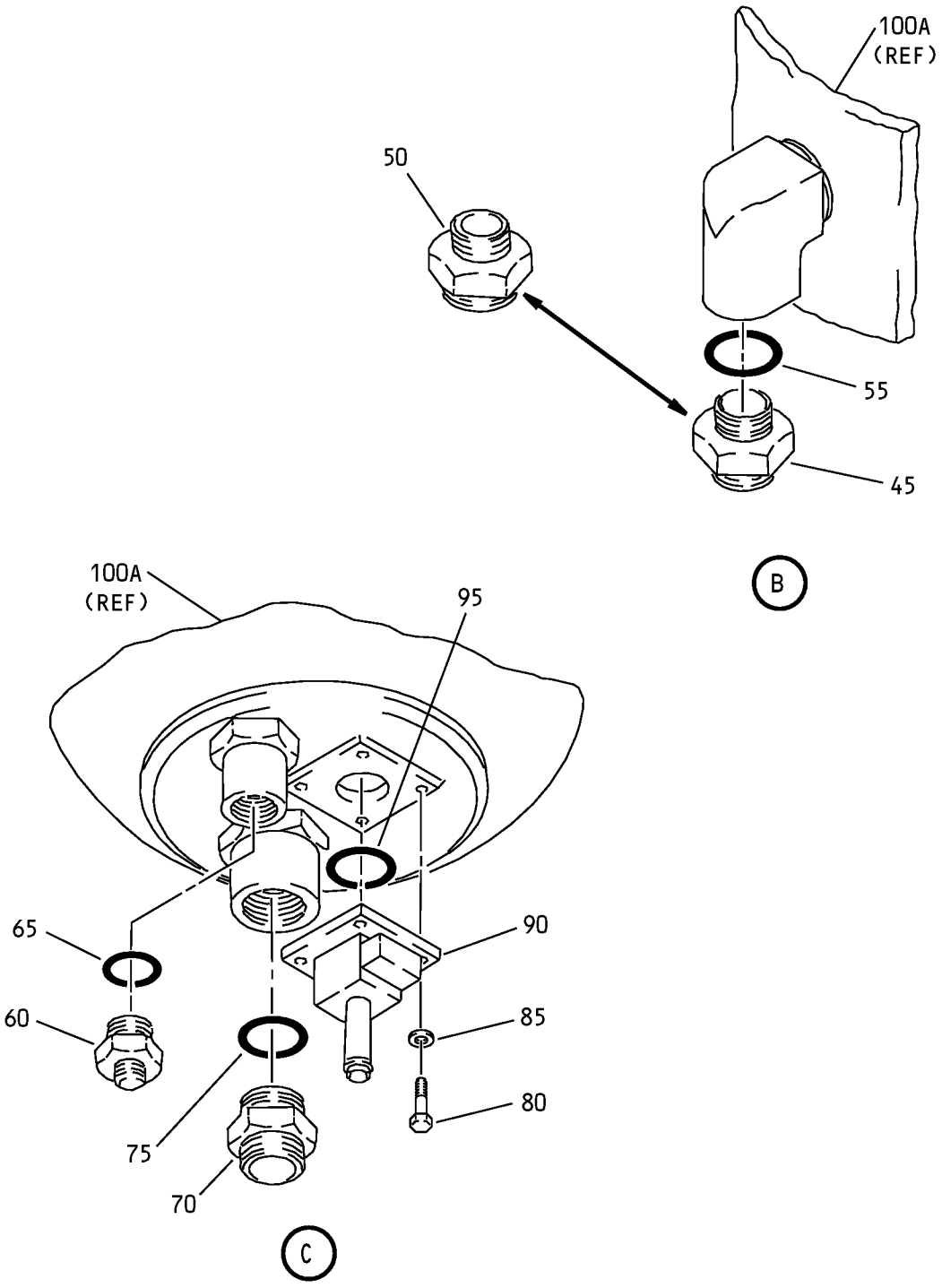
PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
69-73925-1		1	185	1
AFP175V12P		1	10	1
AP2097-12HP		1	10	1
BAC27DHY0304		1	260	1
		1	275	1
BAC27DHY0305		1	265	1
BAC27DHY0367		1	255A	1
BAC27DHY385		1	255	1
		1	270	1
BAC27DHY387		1	265A	1
		1	280	1
BAC27DHY415		1	285	1
BACB30NM3HK5		1	80	4
BACB30NM3K4		1	105	2
BACB30NM4K9		1	15	6
BACC10HC12A		1	130	1
BACN10YL12		1	5B	1
BACN11Z4CD		1	30A	6
BACS13BX12HP		1	10	1
BACW10BP3CD		1	85	4
		1	110	2
BACW10BP3DP		1	120	2
BACW10BP4CD		1	20	6
BACW10BP4DP		1	25	6
DB0S13BX12HP		1	10	1
MS21209F1-15P		1	235	4
MS21902-20		1	70	1
MS21902D12		1	50	1
MS21902W12		1	50A	1
MS21916D12-10		1	60	1
MS21916D12-8		1	45	1
MS21916W12-10		1	60A	1
MS21916W12-8		1	45A	1
NAS1611-213		1	95	1
NAS1611-213A		1	95A	1

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
NAS1611-234		1	40	1
NAS1611-234A		1	40A	1
NAS1612-12		1	55	2
		1	65	1
NAS1612-12A		1	55A	2
		1	65A	1
NAS1612-20		1	75	1
NAS1612-20A		1	75A	1
NAS1805-3L		1	125	2
NAS1805-4L		1	30	6
NAS43DD3-2FC		1	115	2
TA0910005DC12		1	130	1

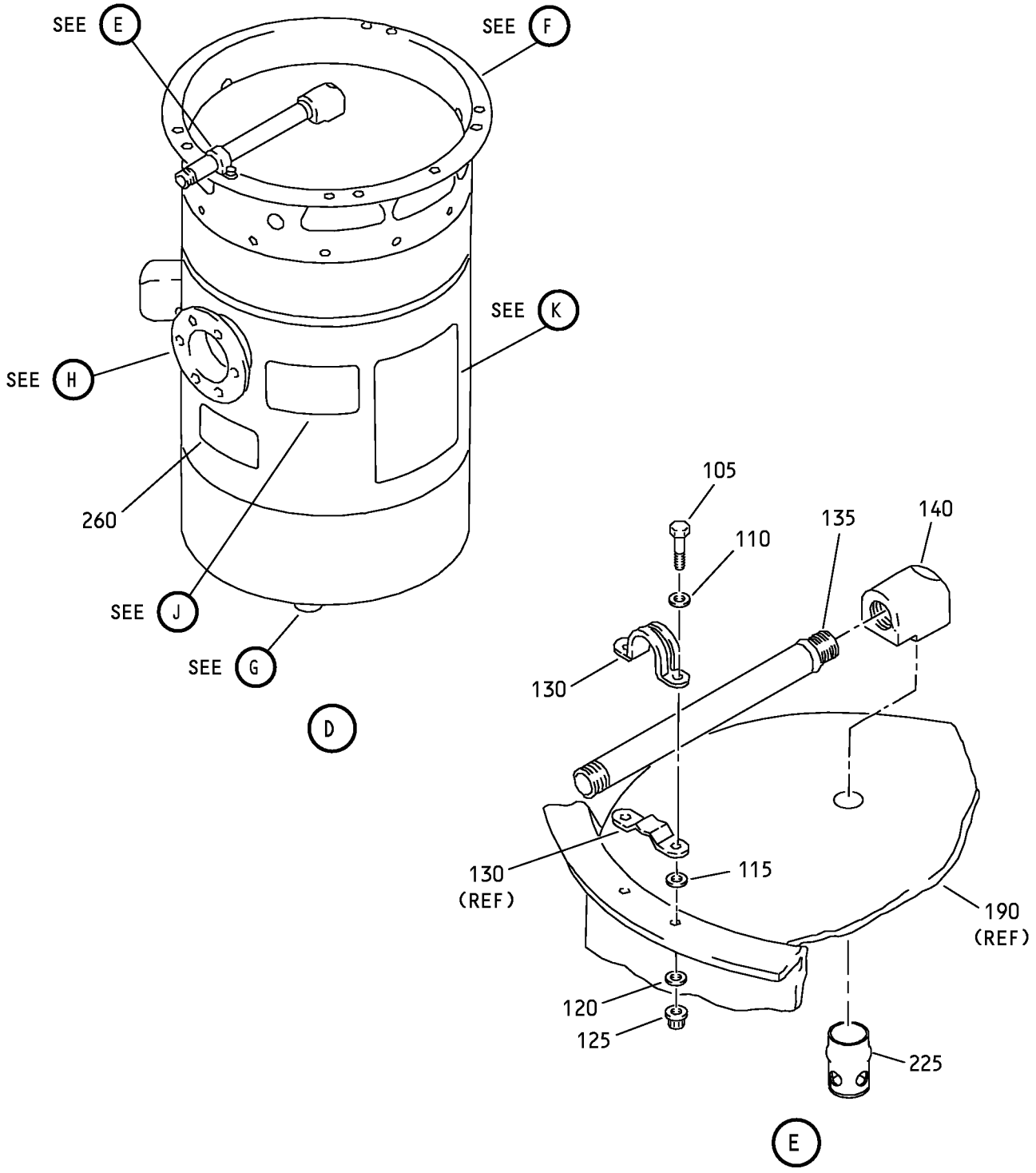


G24058 S0004995554_V3

System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 1 of 7)



System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 2 of 7)



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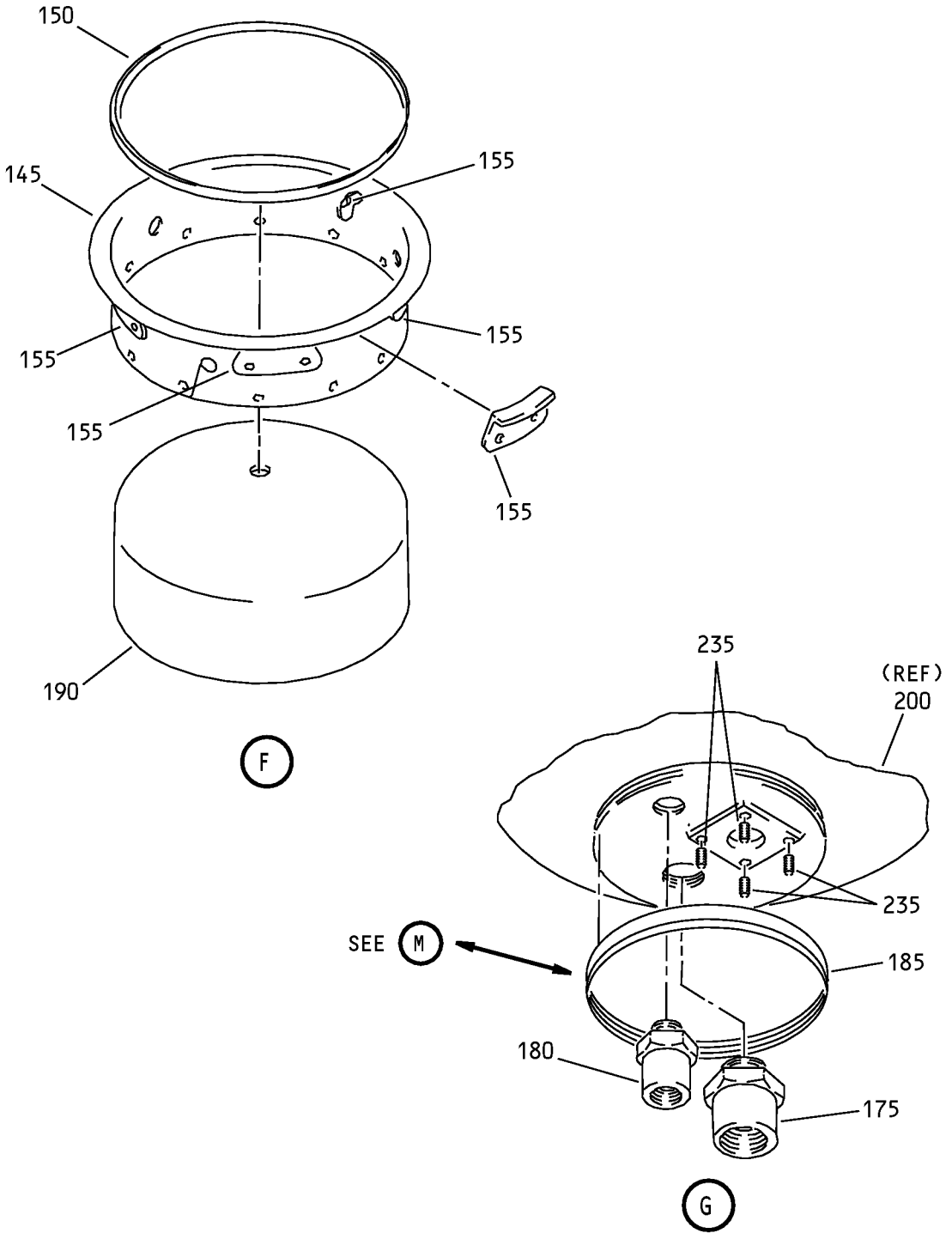
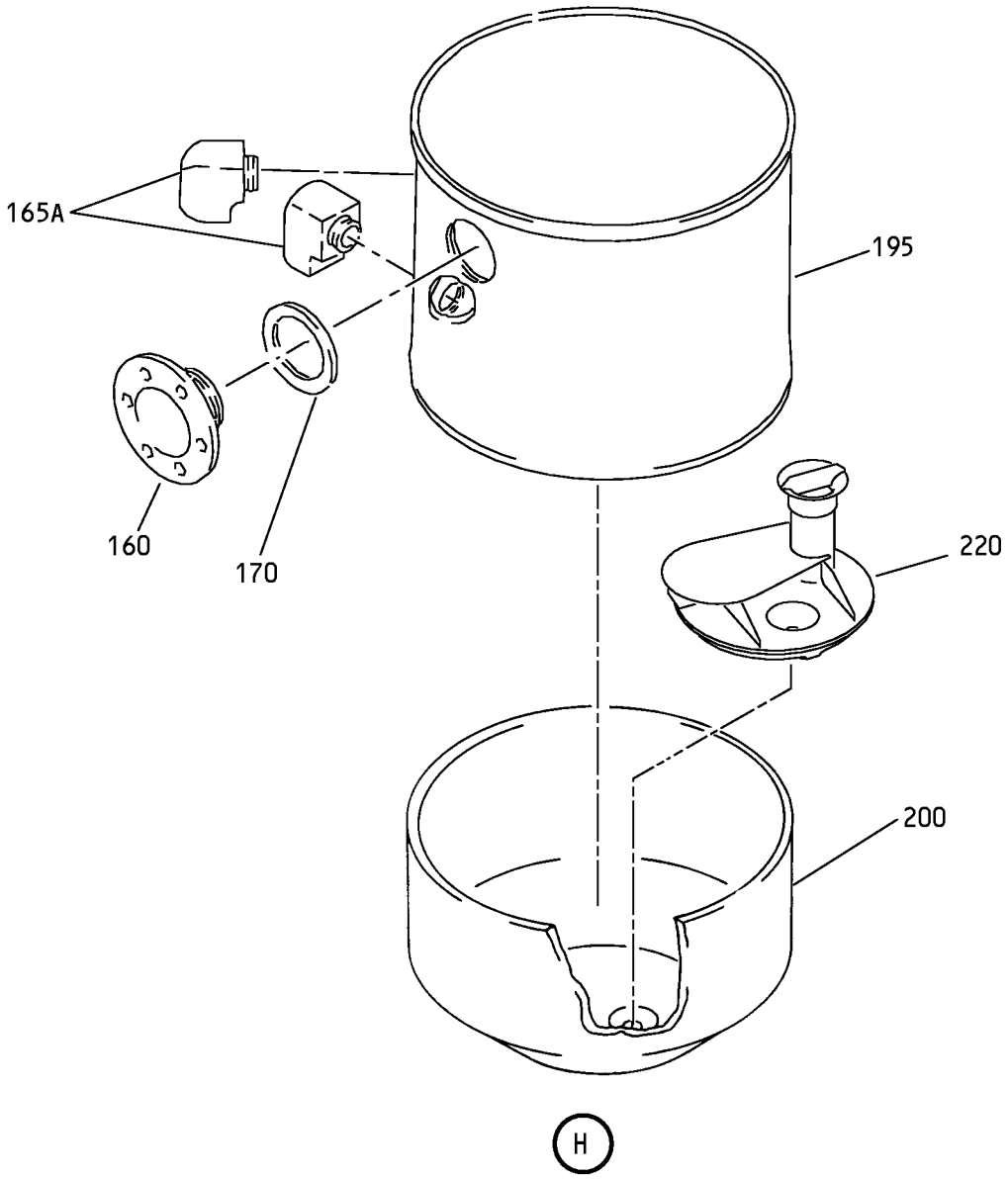
System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 3 of 7)

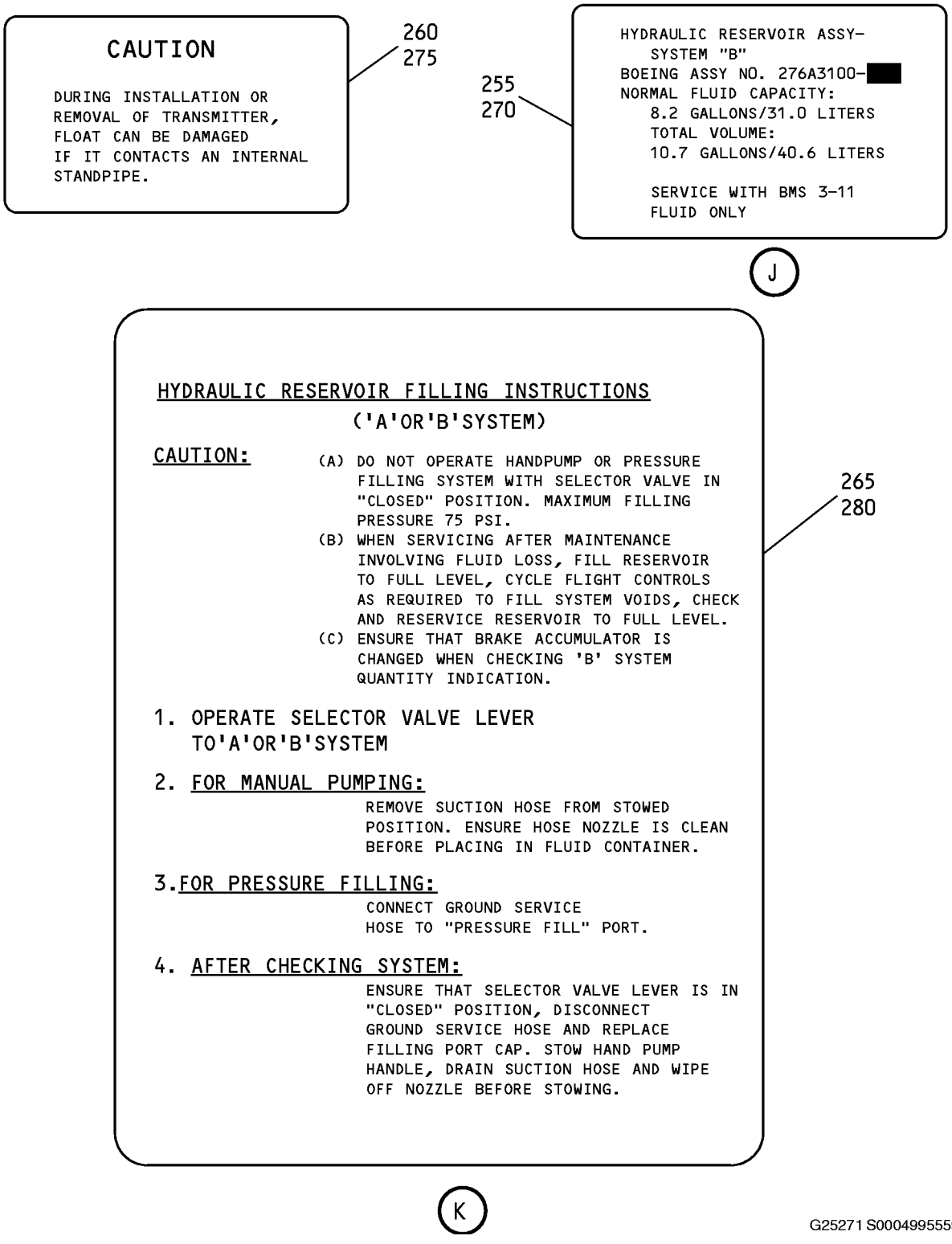


System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 4 of 7)

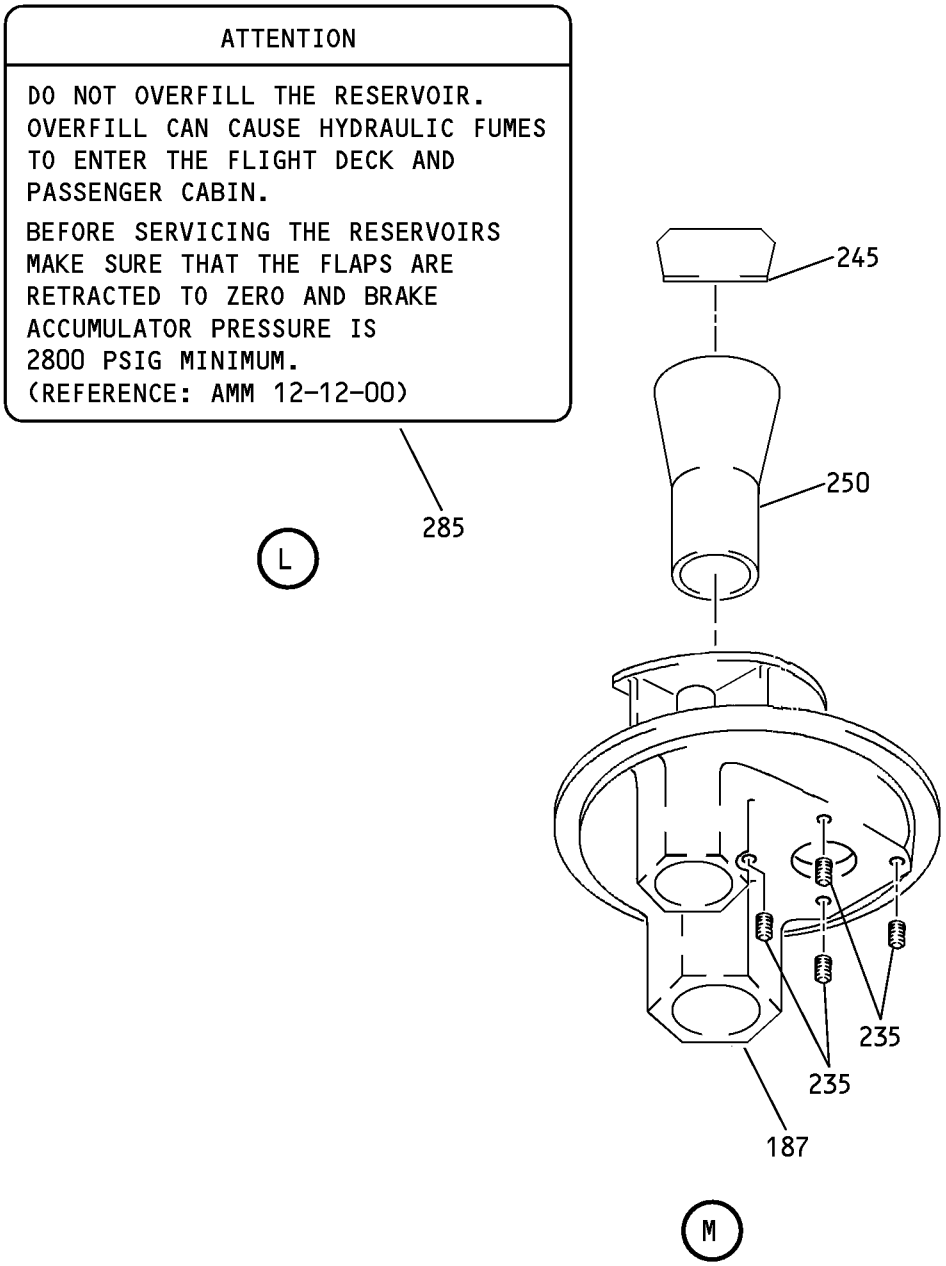


G24935 S0004995558_V2

System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 5 of 7)



System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 6 of 7)



W55159 S0004995560_V2

System B Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 7 of 7)

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
–1A	276A3100-5		DELETED		
–1B	276A3100-8		RESERVOIR ASSY-HYDR B SYS (PRE SB 737-29-1110R1)	A	RF
–1C	276A3100-11		RESERVOIR ASSY-HYDR B SYS (POST SB 737-29-1110R1)	B	RF
–5	BACN10YL12L		DELETED		
–5A	MS21921-12D		DELETED		
5B	BACN10YL12		. NUT		1
10	DB0S13BX12HP		. SLEEVE (V14798) (SPEC BACS13BX12HP) (OPT 2-02903-12HP (V11328)) (OPT 35235VN12 (V08199)) (OPT AP2097-12HP (V01673)) (OPT AFP175V12P (V30974))		1
–10A	AFP16412		DELETED		
15	BACB30NM4K9		. BOLT		6
20	BACW10BP4CD		. WASHER		6
25	BACW10BP4DP		. WASHER		6
30	NAS1805-4L		. NUT	A	6
–30A	BACN11Z4CD		. NUT	B	6
–35	10-60554-41		DELETED		
–35A	20220-01011		DELETED		
35B	20220-0101		. TRANSMITTER-QTY HYDR QTY (V89305) (SPEC 10-60554-41)		1
40	NAS1611-234		. PACKING (OPT ITEM 40A)		1
–40A	NAS1611-234A		. PACKING (OPT ITEM 40)		1
45	MS21916D12-8		. REDUCER	A	1
–45A	MS21916W12-8		. REDUCER	B	1
50	MS21902D12		. UNION	A	1
–50A	MS21902W12		. UNION	B	1

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
55	NAS1612-12		. PACKING (OPT ITEM 55A)		2
–55A	NAS1612-12A		. PACKING (OPT ITEM 55)		2
60	MS21916D12-10		. REDUCER	A	1
–60A	MS21916W12-10		. REDUCER	B	1
65	NAS1612-12		. PACKING (OPT ITEM 65A)		1
–65A	NAS1612-12A		. PACKING (OPT ITEM 65)		1
70	MS21902-20		. UNION		1
75	NAS1612-20		. PACKING (OPT ITEM 75A)		1
–75A	NAS1612-20A		. PACKING (OPT ITEM 75)		1
80	BACB30NM3HK5		. BOLT		4
85	BACW10BP3CD		. WASHER		4
90	3-111794		. VALVE-DRAIN (V92003) (SPEC 10-60561-1)		1
95	NAS1611-213		. PACKING (OPT ITEM 95A)		1
–95A	NAS1611-213A		. PACKING (OPT ITEM 95)		1
–100	276A3201-2		DELETED		
100A	276A3201-3		. TANK ASSY (OPT ITEM 100B, 100C)		1
–100B	276A3201-4		. TANK ASSY (OPT ITEM 100A, 100C)		1
–100C	276A3201-5		. TANK ASSY (OPT ITEM 100A, 100B)		1
105	BACB30NM3K4		. . BOLT		2
110	BACW10BP3CD		. . WASHER		2
115	NAS43DD3-2FC		. . SPACER		2
120	BACW10BP3DP		. . WASHER		2
125	NAS1805-3L		. . NUT		2

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
130	TA0910005DC12		. . CLAMP (V84971) (SPEC BACC10HC12A)		1
135	276A3101-3		. . TUBE		1
140	69-35744-7		. . BOSS-90 DEGREES		1
145	276A3103-3		. . RING-SPRT (USED ON ITEM 100A)		1
–145A	276A3103-4		. . RING-SPRT (USED ON ITEMS 100B, 100C)		1
150	65C26861-5		. . SPACER (USED ON ITEM 100A)		1
155	276A3118-1		. . BRACKET		5
160	69-35752-2		. . BOSS		1
–165	69-35744-1		DELETED		
165A	276A3202-1		. . BOSS-90 DEGREES (USED ON ITEMS 100A, 100B)		2
–165B	276A3202-2		. . BOSS-90 DEGREES (USED ON ITEM 100C)		2
170	69-35754-2		. . PLATE (USED ON ITEMS 100A, 100B)		2
175	276A3108-1		. . BOSS (USED ON ITEMS 100A, 100B)		1
180	69-73922-1		. . BOSS-STRAIGHT (USED ON ITEMS 100A, 100B)		1
185	69-73925-1		. . RING (USED ON ITEMS 100A, 100B)		1
187	276A3110-4		. . PLATE-BOSS (USED ON ITEM 100C)		1
190	276A3102-3		. . DOME-B TOP		1
195	276A3104-2		. . BODY-CENTER		1
200	276A3102-2		. . DOME-B BOTTOM		1
–205	BAC27DHY0304		DELETED		
–210	BAC27DHY0367		DELETED		
–210A	BAC27DHY385		DELETED		
–215	BAC27DHY0305		DELETED		

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
–215A	BAC27DHY387		DELETED		
220	276A3105-3		. . WELD ASSY (USED ON ITEMS 100A, 100B)		1
225	276A3106-1		. . WELD ASSY (USED ON ITEM 100A)		1
–225A	276A3106-1		. . WELD ASSY (OPT ITEM 225B) (USED ON ITEM 100B)		1
–225B	276A3106-2		. . CAP (OPT ITEM 225A) (USED ON ITEM 100B)		1
–225C	276A3106-2		. . CAP (USED ON ITEM 100C)		1
–230	69-73930-1		DELETED		
–230A	69-35975-2		DELETED		
–230B	69-35975-2		DELETED		
235	MS21209F1-15P		. . INSERT		4
–240	69-35975-2		DELETED		
245	276A3112-5		. . PLATE (USED ON ITEM 100C)		1
250	276A3111-3		. . PIPE-STAND, SYS B (USED ON ITEM 100C)		1
255	BAC27DHY385		. . MARKER-ALUMINUM FOIL (OPT ITEM 255A) (USED ON ITEMS 100A, 100B)		1
–255A	BAC27DHY0367		. . MARKER-ALUMINUM FOIL (USED ON ITEMS 100A, 100B) (OPT ITEM 255)		1
260	BAC27DHY0304		. . MARKER-ALUMINUM FOIL, CAUTION DURING INSTALLATION OR REMOVAL OF TRANSMITTER, FLOAT CAN BE DAMAGED IF IT CONTACTS AN INTERNAL STANDPIPE. (USED ON ITEMS 100A, 100B)		1
265	BAC27DHY0305		. . MARKER-ALUMINUM FOIL (OPT ITEM 265A) (USED ON ITEMS 100A, 100B)		1

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
–265A	BAC27DHY387		. . MARKER-ALUMINUM FOIL (OPT ITEM 265) (USED ON ITEMS 100A, 100B)		1
270	BAC27DHY385		. MARKER-ALUMINUM FOIL		1
275	BAC27DHY0304		. MARKER-ALUMINUM FOIL, CAUTION DURING INSTALLATION OR REMOVAL OF TRANSMITTER, FLOAT CAN BE DAMAGED IF IT CONTACTS AN INTERNAL STANDPIPE.		1
280	BAC27DHY387		. MARKER-ALUMINUM FOIL		1
285	BAC27DHY415		. MARKER-ALUMINUM FOIL	B	1

–Item not Illustrated