COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

SYSTEM A HYDRAULIC RESERVOIR ASSEMBLY

PART NUMBER 276A3100–4, –9

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COMPONENT MAINTENANCE MANUAL

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To: All holders of SYSTEM A HYDRAULIC RESERVOIR ASSEMBLY 29-11-18.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

The COMPONENT MAINTENANCE MANUAL is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

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Location of Change	Description of Change
	NO HIGHLIGHTS

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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

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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All temporary revisions to this manual will be accompanied by a cover sheet bearing the temporary revision number. Enter the temporary revision number in numerical order, together with the temporary revision date, the date the temporary revision is inserted and the initials of the person filing.
When the temporary revision is incorporated or cancelled, and the pages are removed, enter the date the pages are removed and the initials of the person who removed the temporary revision.

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 A HYDRAULIC RESERVOIR ASSEMBLY - DESCRIPTION AND OPERATION

1. Description & Operation

A. The System A Hydraulic Reservoir Assembly is a pressure tank assembly that includes a brazed container, quantity transmitter, unions, drain valve, couplings and associated parts. The brazed container includes a dome, body, support ring, tubes, bosses, and baffles.

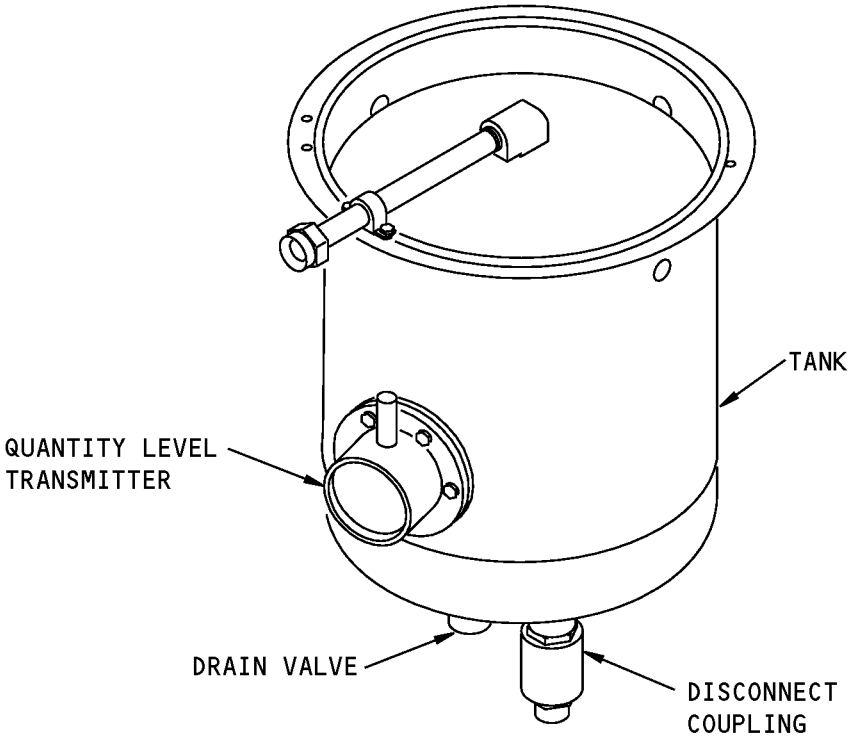
B. Hydraulic fluid stored in the reservoir is pressurized by pneumatic system air to make a pressurized supply to the hydraulic pumps and to prevent cavitation. Return fluid enters the reservoir through a baffle assembly to reduce foaming. Engine-driven pump supplied fluid leaves the reservoir through a standpipe with an anti-swirl vane located in the inlet. 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 – 15.5 inches

C. Weight – 12 pounds (dry)



System A 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 A 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. 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)

B. References

Reference	Title
SOPM 20-60-03	LUBRICANTS

C. Test Setup

NOTE: Equivalent tool/equipment can be used.

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

(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).

D. Procedure

(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. Procedure

(1) For fault isolation, refer to TESTING AND FAULT ISOLATION, Table 101.

Table 101: Fault Isolation

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

DISASSEMBLY

1. **Disassembly**

   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. 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.

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

   C. Remove the bolts (65), washers (70), drain valve (75), and packing (80).

   D. Remove the unions (45, 55), disconnect couplings (85, 90) and packings (50, 60, 95).

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 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-50-02	INSTALLATION OF SAFETYING DEVICES

D. Procedure

NOTE: Do this procedure before storage.

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

(2) Connect the supply line from the test stand (test stand must be capable of supplying 20 gpm at 55 psig through a 15-micron filter) to system return union (45).

(3) Connect the return line on the test stand to the supply connections (55, 85) on lower manifold casting.

(4) Cap the reservoir vent with a pressure blank. Make sure the drain valve (75) is closed.

(5) Remove the transmitter (35) 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 drain valve (75) (SOPM 20-30-03).

(8) Remove the sealing cap and install transmitter (35) with packing (40), bolts (15), washers (20, 25) and nuts (30).

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

(10) Close drain valve (75) 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 there are defects on these parts:

(a) Boss (140, 155, 160, 170, 175)

(b) Bracket (150)

(c) Plate (165)

(d) Ring (210)

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

(3) Examine quantity transmitter (35) 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
276A3101	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

276A3101–2, –4, –5, –6

1. General

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

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.

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 20-41-01	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 SOPM 20-41-01. For application of aluminum foil and other markers, refer to SOPM 20-50-05. For part numbering and identification markings, refer to SOPM 20-50-10. 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.

(2) Get replacement markers. Markers BAC27DHY386 and BAC27DHY0304 are aluminum foil markers with adhesive. Marker BAC27DHY368 is an aluminum sheet marker without adhesive.

(3) Steel stamp the assembly dash number on the BAC27DHY368 marker before you install it. Rubber stamp the assembly dash number on the BAC27DHY368 marker before or after you install it.

(4) Install the markers on the tank within 0.25 inch of the location of the old markers. Bond the BAC27DHY368 marker in position with sealant, A00247.

(5) Apply 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 inch. 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 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-02	FINISHING 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.

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

(2) Apply primer, C00259 (F-20.02) and enamel 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 A 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)	
G01912	Lockwire - Monel (0.032 In. Dia.)	NASM20995N˜ C32 (QQ-N-281)

B. References

Reference	Title
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. Procedure

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

(1) Install the packings (50, 60, 95), unions (45, 55) and disconnect couplings (85, 90) (SOPM 20-50-06).

NOTE: Lubricate packings (50, 60, 95) and threads of unions (45, 55), and disconnect couplings (85, 90) with MCS 352B fluid, D00054 per SOPM 20-50-07 before installation.

(2) Install the drain valve (75) with the packing (80), bolts (65) and washers (70). Lockwire the drain valve handle in the closed position with lockwire, G01912 by the double-twist method (SOPM 20-50-02).

(3) Install transmitter (35) with packing (40), bolts (15), washers (20, 25) and nuts (30).

NOTE: Apply MCS 352B fluid, D00054 to the packing (40) before installation.

3. Storage

A. Procedure

(1) Use standard industry practices and these steps.

(2) Clean the unit per CLEANING Cleaning procedures.

(3) 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
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; LAWRENCE PLANT V26622
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

Code	Name
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
50948	PARKER-HANNIFIN CORP HUNTSVILLE AIRCRAFT FACILITY 9400 SOUTH MEMORIAL PARKWAY HUNTSVILLE, ALABAMA 35802 FORMERLY PARKER-HANNIFIN CORP TUBE FITTINGS DIV
70195	Replaced: [V70195] TELEDYNE LINAIR ENGINEERING SEE V00624 EATON TELEDYNE LINAIR ENG SEE V11328 Replaced: [V11328] LINAIR ENG A TELEDYNE CO SEE TELEDYNE LINAIR ENGINEERING TELEDYNE LINAIR ENG SEE AEROQUIP CORP LINAIR DIV AEROQUIP CORP AEROSPACE SEE V00624 EATON 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; LAWRENCE PLANT V26622
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

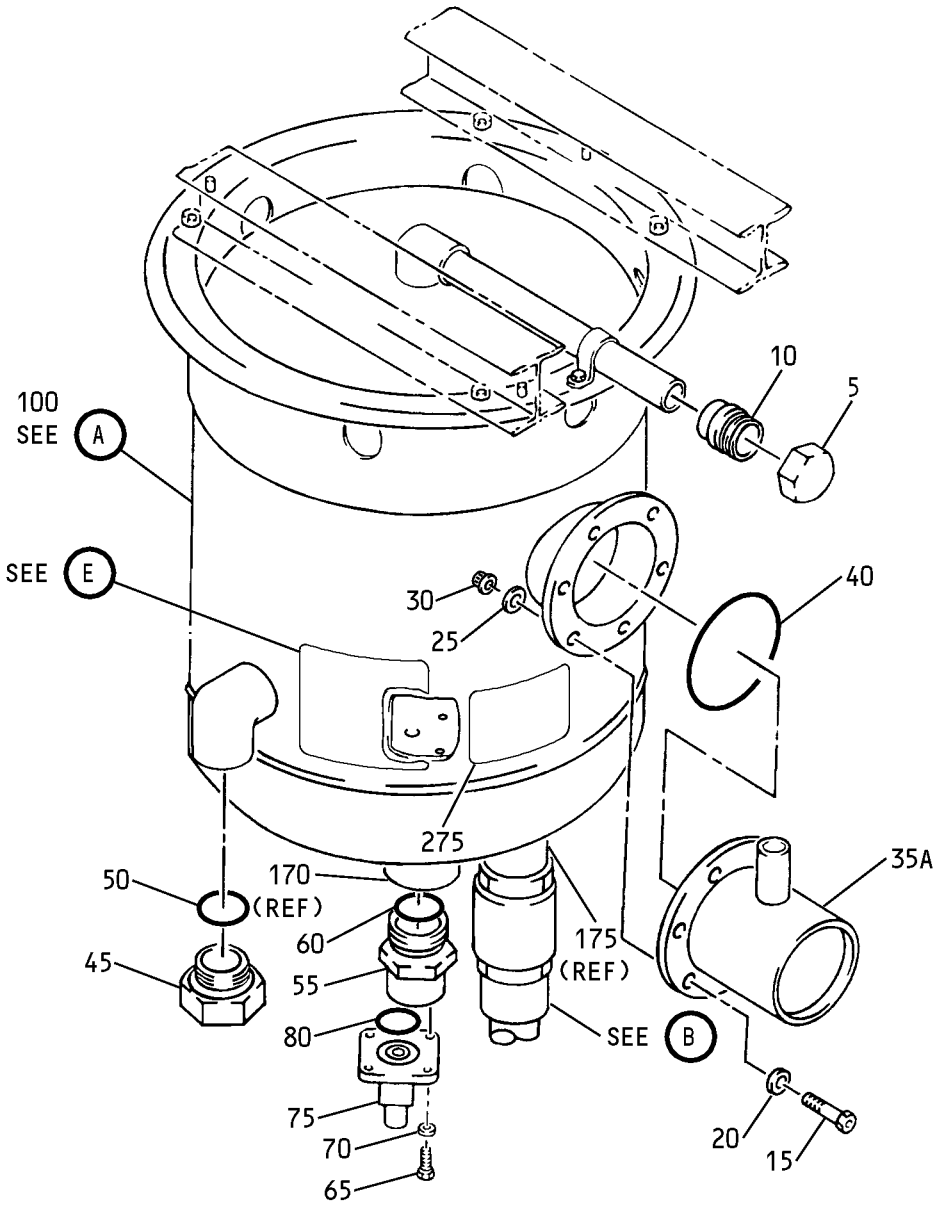
Code	Name
92003	PARKER-HANNIFIN CORPORATION 14300 ALTON PKWY IRVINE, CALIFORNIA 92618 FORMERLY PARKER AIRCRAFT V02689;FORMERLY SCHULZ TOOL & MFG V82267; FORMERLY PARKER-BERTEA AEROSPACE GROUP

NUMERICAL INDEX

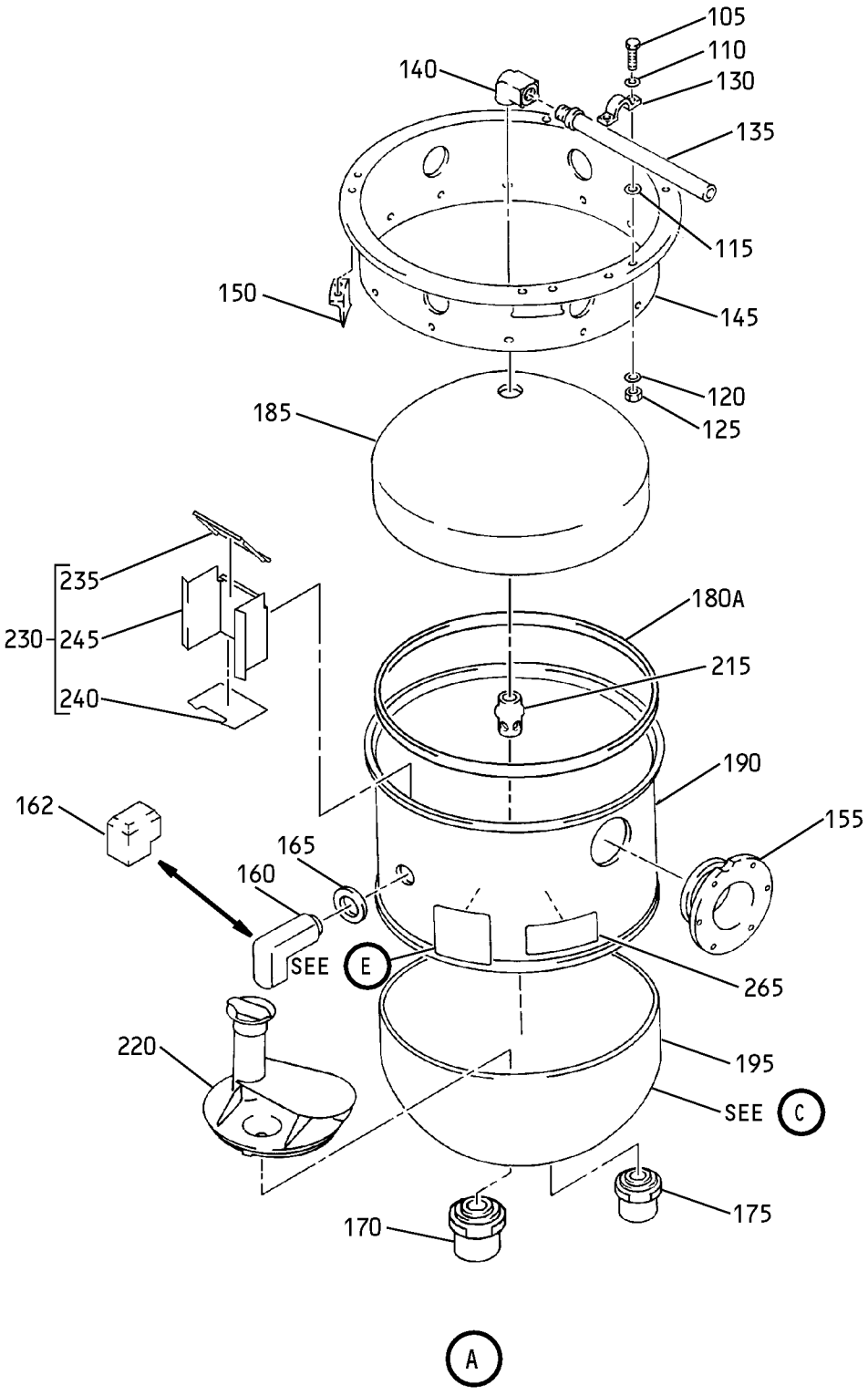
PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
10-60554-40		1	35A	1
10-60561-1		1	75	1
2-01033-12		1	10A	1
		1	10A	1
2-02903-12HP		1	10	1
		1	10B	1
20219-0101		1	35A	1
276A3100-4		1	1A	RF
276A3100-9		1	1B	RF
276A3101-2		1	100	1
276A3101-3		1	135	1
276A3101-4		1	100A	1
276A3101-5		1	100B	1
276A3101-6		1	100C	1
276A3102-1		1	195	1
276A3102-8		1	185A	1
276A3103-2		1	145	1
276A3103-4		1	145A	1
276A3104-3		1	190	1
276A3104-4		1	190A	1
276A3105-1		1	220	1
276A3106-1		1	215	1
		1	215A	1
276A3106-2		1	215B	1
		1	215C	1
276A3110-3		1	172	1
276A3111-2		1	250	1
276A3112-5		1	255	1
276A3118-1		1	150	4
276A3202-1		1	160A	1
276A3202-2		1	162	1
3-111794		1	75	1
35235VN12		1	10	1
		1	10B	1

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
375248-12		1	90	1
375530-12		1	85	1
65-44601-3		1	185	1
65C26861-5		1	180A	1
69-35600-1		1	235	1
69-35600-3		1	240	1
69-35600-4		1	245	1
69-35744-1		1	160	1
69-35744-7		1	140	1
69-35752-3		1	155	1
69-35754-2		1	165	1
69-35975-2		1	230	1
69-73922-1		1	175	1
69-73922-2		1	170	1
69-73925-1		1	210	1
AFP16412		1	10A	1
AFP175V12P		1	10	1
		1	10B	1
AP2097-12HP		1	10	1
		1	10B	1
BAC27DHY0304		1	265	1
		1	275	1
BAC27DHY0368		1	260A	1
BAC27DHY386		1	260	1
		1	270	1
BACB30NM3HK5		1	65	4
BACB30NM3K4		1	105	2
BACB30NM4K9		1	15	6
BACC10HC12A		1	130	1
BACN10YL12		1	5B	1
BACN10YL12L		1	5	1
BACS13AP12		1	10A	1
BACS13BX12HP		1	10	1
		1	10B	1
BACW10BP3CD		1	70	4

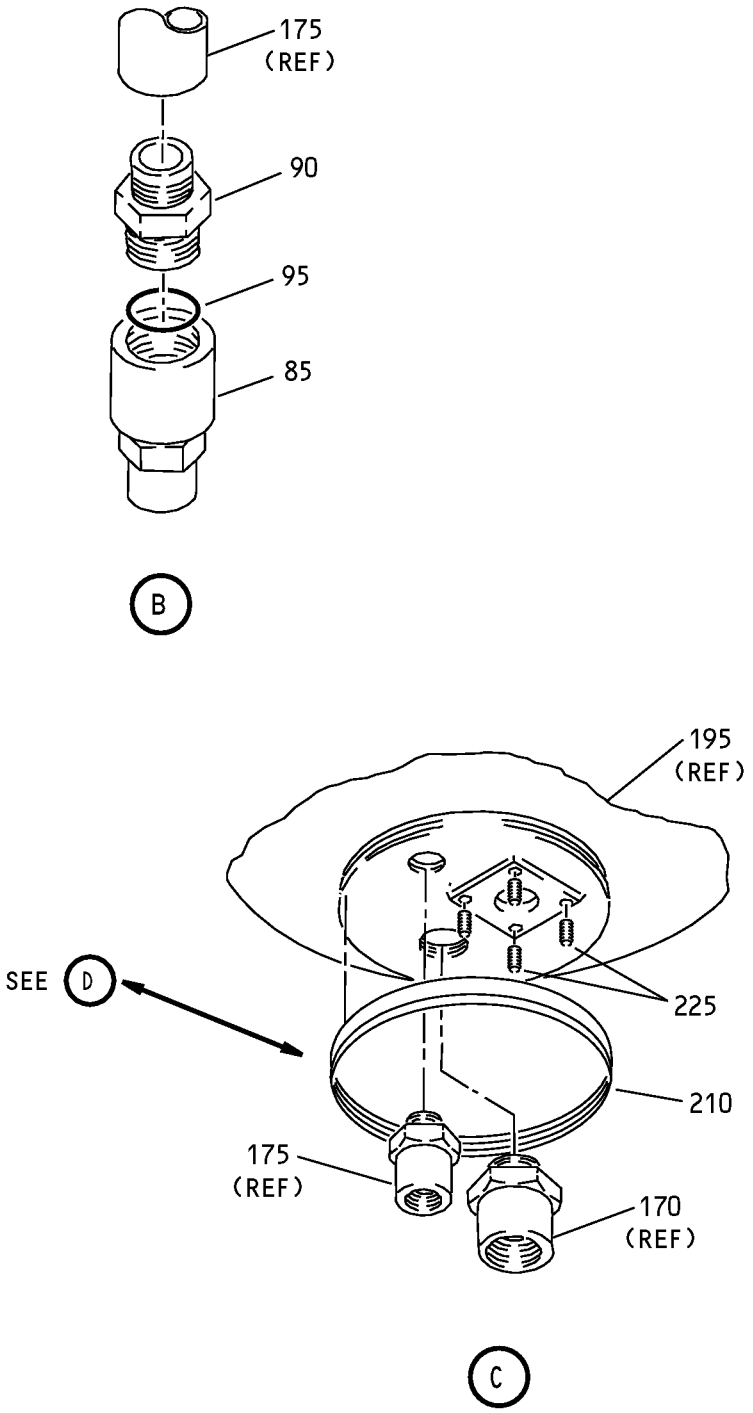
PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	110	2
BACW10BP3DP		1	120	2
BACW10BP4CD		1	20	6
BACW10BP4DP		1	25	6
BC922-12		1	10A	1
		1	10A	1
DB0S13AP12		1	10A	1
DB0S13BX12HP		1	10	1
		1	10B	1
MS21209F1-15P		1	225	4
MS21902D12		1	45	1
MS21902D16		1	55	1
MS21921-12D		1	5A	1
NAS1611-213		1	80	1
NAS1611-213A		1	80A	1
NAS1611-234		1	40	1
NAS1611-234A		1	40A	1
NAS1612-12		1	50	1
		1	95	1
NAS1612-12A		1	50A	1
		1	95A	1
NAS1612-16		1	60	1
NAS1612-16A		1	60A	1
NAS1805-3L		1	125	2
NAS1805-4L		1	30	6
NAS43DD3-2FC		1	115	2
TA0910005DC12		1	130	1



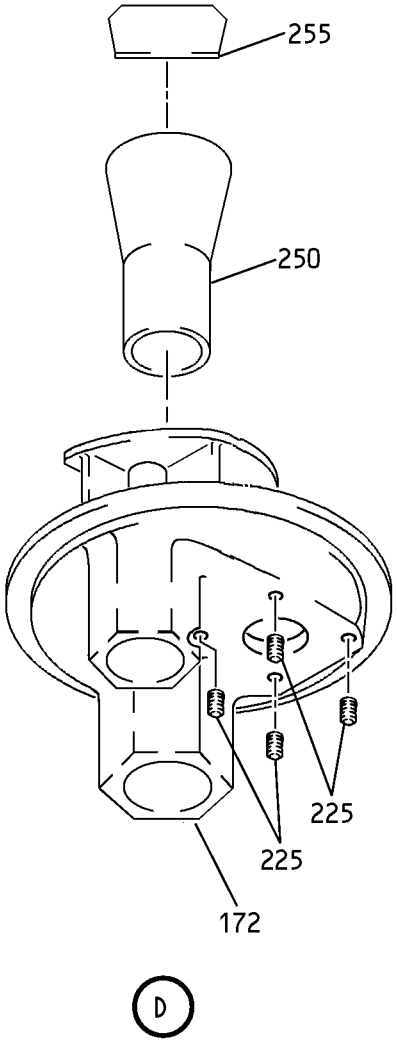
System A Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 1 of 4)

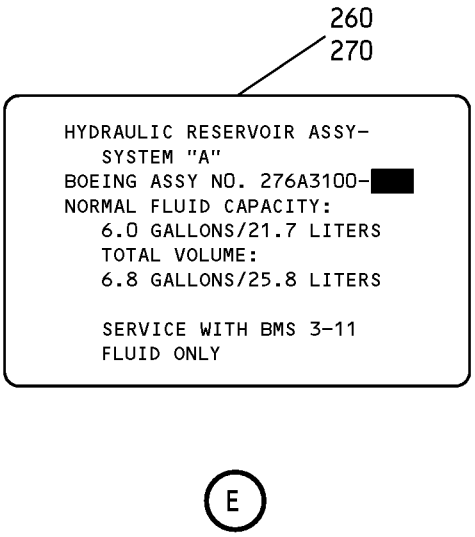


System A Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 2 of 4)



System A Hydraulic Reservoir Assembly
IPL Figure 1 (Sheet 3 of 4)





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

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
–1A	276A3100-4		RESERVOIR ASSY-HYDR A SYS	A	RF
–1B	276A3100-9		RESERVOIR ASSY-HYDR A SYS	B	RF
5	BACN10YL12L		. NUT (OPT ITEM 5A)	A	1
–5A	MS21921-12D		. NUT (OPT ITEM 5)	A	1
–5B	BACN10YL12		. NUT	B	1
10	DB0S13BX12HP		. SLEEVE (V14798) (SPEC BACS13BX12HP) (OPT 2-02903-12HP (V11328)) (OPT 35235VN12 (V08199)) (OPT AP2097-12HP (V01673)) (OPT AFP175V12P (V30974))	A	1
–10A	AFP16412		. SLEEVE (V30974) (SPEC BACS13AP12) (OPT BC922-12 (V50948)) (OPT DB0S13AP12 (V14798)) (OPT 2-01033-12 (V11328)) (OPT 2-01033-12 (V70195)) (OPT BC922-12 (V92003)) (OPT ITEM 010B)	B	1
–10B	DB0S13BX12HP		. SLEEVE (V14798) (SPEC BACS13BX12HP) (OPT 2-02903-12HP (V11328)) (OPT 35235VN12 (V08199)) (OPT AP2097-12HP (V01673)) (OPT AFP175V12P (V30974)) (OPT ITEM 010A)	B	1
15	BACB30NM4K9		. BOLT		6
20	BACW10BP4CD		. WASHER		6
25	BACW10BP4DP		. WASHER		6
30	NAS1805-4L		. NUT		6
35	10-605554-40		DELETED		
35A	20219-0101		. TRANSMITTER-QTY (V89305) (SPEC 10-60554-40)		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–					
40	NAS1611-234		. PACKING		1
–40A	NAS1611-234A		. PACKING		1
45	MS21902D12		. UNION		1
50	NAS1612-12		. PACKING (OPT ITEM 50A)		1
–50A	NAS1612-12A		. PACKING (OPT ITEM 50)		1
55	MS21902D16		. UNION		1
60	NAS1612-16		. PACKING (OPT ITEM 60A)		1
–60A	NAS1612-16A		. PACKING (OPT ITEM 60)		1
65	BACB30NM3HK5		. BOLT		4
70	BACW10BP3CD		. WASHER		4
75	3-111794		. VALVE-DRAIN (V92003) (SPEC 10-60561-1)		1
80	NAS1611-213		. PACKING (OPT ITEM 80A)		1
–80A	NAS1611-213A		. PACKING (OPT ITEM 80)		1
85	375530-12		. COUPLING-DISCONNECT (V00624)		1
90	375248-12		. COUPLING-DISCONNECT (V00624)		1
95	NAS1612-12		. PACKING (OPT ITEM 95A)		1
–95A	NAS1612-12A		. PACKING (OPT ITEM 95)		1
100	276A3101-2		. TANK ASSY	A	1
–100A	276A3101-4		. TANK ASSY (OPT ITEM 100B, 100C)	B	1
–100B	276A3101-5		. TANK ASSY (OPT ITEM 100A, 100C)	B	1
–100C	276A3101-6		. TANK ASSY (OPT ITEM 100A, 100B)	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–					
105	BACB30NM3K4		. . BOLT		2
110	BACW10BP3CD		. . WASHER		2
115	NAS43DD3-2FC		. . SPACER		2
120	BACW10BP3DP		. . WASHER		2
125	NAS1805-3L		. . NUT		2
130	TA0910005DC12		. . CLAMP (V84971) (SPEC BACC10HC12A)		1
135	276A3101-3		. . TUBE		1
140	69-35744-7		. . BOSS-90 DEGREES		1
145	276A3103-2		. . RING-SUPT (USED ON ITEMS 100, 100A)		1
–145A	276A3103-4		. . RING-SUPT (USED ON ITEMS 100B, 100C)	B	1
150	276A3118-1		. . BRACKET		4
155	69-35752-3		. . BOSS		1
160	69-35744-1		. . BOSS-90 DEGREES (OPT ITEM 160A) (USED ON ITEMS 100, 100A, 100B)		1
–160A	276A3202-1		. . BOSS-90 DEGREES (OPT ITEM 160) (USED ON ITEMS 100, 100A, 100B)		1
162	276A3202-2		. . BOSS-90 DEGREES (USED ON ITEM 100C)	B	1
165	69-35754-2		. . PLATE-BOSS MOUNTING (USED ON ITEMS 100, 100A, 100B)		1
170	69-73922-2		. . BOSS-STRAIGHT (USED ON ITEMS 100, 100A, 100B)		1
172	276A3110-3		. . PLATE-BOSS (USED ON ITEM 100C)	B	1
175	69-73922-1		. . BOSS-STRAIGHT (USED ON ITEMS 100, 100A, 100B)		1
180	69-73922-1		DELETED		
180A	65C26861-5		. . SPACER (USED ON ITEM 100A)	B	1
185	65-44601-3		. . DOME-TOP	A	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–					
–185A	276A3102-8		. . DOME-TOP	B	1
190	276A3104-3		. . BODY-CENTER	A	1
–190A	276A3104-4		. . BODY-CENTER	B	1
195	276A3102-1		. . DOME-BOTTOM		1
200	BAC27DHY0368		DELETED		
–200A	BAC27DHY386		DELETED		
205	BAC27DHY0304		DELETED		
210	69-73925-1		. . RING (USED ON ITEMS 100, 100A, 100B)		1
215	276A3106-1		. . WELD TUBE ASSY (USED ON ITEMS 100)	A	1
–215A	276A3106-1		. . WELD TUBE ASSY (USED ON ITEMS 100A, 100B) (OPT ITEM 215B)	B	1
–215B	276A3106-2		. . VENT CAP (OPT ITEM 215A) (USED ON ITEMS 100A, 100B)	B	1
–215C	276A3106-2		. . VENT CAP (USED ON ITEM 100C)	B	1
220	276A3105-1		. . WELD ASSY (USED ON ITEMS 100, 100A, 100B)		1
225	MS21209F1-15P		. . INSERT		4
230	69-35975-2		. . BAFFLE ASSY		1
235	69-35600-1		. . . BAFFLE		1
240	69-35600-3		. . . PLATE-LWR		1
245	69-35600-4		. . . WALL-BAFFLE		1
250	276A3111-2		. . PIPE-STAND, SYS A (USED ON ITEM 100C)	B	1
255	276A3112-5		. . PLATE (USED ON ITEM 100C)	B	1
260	BAC27DHY386		. . MARKER-ALUMINUM FOIL (OPT ITEM 260A) (USED ON ITEMS 100, 100A, 100B)		1
–260A	BAC27DHY0368		. . MARKER-ALUMINUM FOIL (OPT ITEM 260) (USED ON ITEMS 100, 100A, 100B)		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–					
265	BAC27DHY0304		. . MARKER-ALUMINUM FOIL, CAUTION DURING INSTALLATION OR REMOVAL OF TRANSMITTER, FLOAT CAN BE DAMAGED IF IT CONTACTS AN INTERNAL STANDPIPE (USED ON ITEMS 100, 100A, 100B)		1
270	BAC27DHY386		. MARKER-ALUMINUM FOIL (USED ON ITEMS 100, 100A, 100B)	B	1
275	BAC27DHY0304		. MARKER-ALUMINUM FOIL, CAUTION DURING INSTALLATION OR REMOVAL OF TRANSMITTER, FLOAT CAN BE DAMAGED IF IT CONTACTS AN INTERNAL STANDPIPE (USED ON ITEMS 100, 100A, 100B)	B	1

–Item not Illustrated