TO: ALL HOLDERS OF SYSTEM B HYDRAULIC RESERVOIR ASSEMBLY OVERHAUL MANUAL, 29-26-11

REVISION NO. 6, DATED DEC 1/95

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
Update Fig. 2 IPL. Use codes for reducer, P/N MS21916D16-12												X	
Edited Fig. 3 IPL without technical change												X	
Added assembly section to manual						X							

SYSTEM B HYDRAULIC RESERVOIR ASSEMBLY

29-26-11

BOEING P/N 65-44701-1, -4, -5, -6
65-44700-2, -3, -5, -6, -7

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT

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
	29-26-11					
	T-1	Jan 5/82				
	T-2	BLANK				
*	LEP-1	Dec 1/95				
	LEP-2	BLANK				
*	T/C-1	Dec 1/95				
	T/C-2	BLANK				
	1	Jul 5/76				
	2	Jul 5/76				
*	3	Dec 1/95				
	4	Jul 5/83				
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	6	Jul 5/76				
*	7	Dec 1/95				
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*	9	Dec 1/95				
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*[I] Special instructions not required. Use standard industry practices.

SYSTEM "B" HYDRAULIC RESERVOIR ASSEMBLY

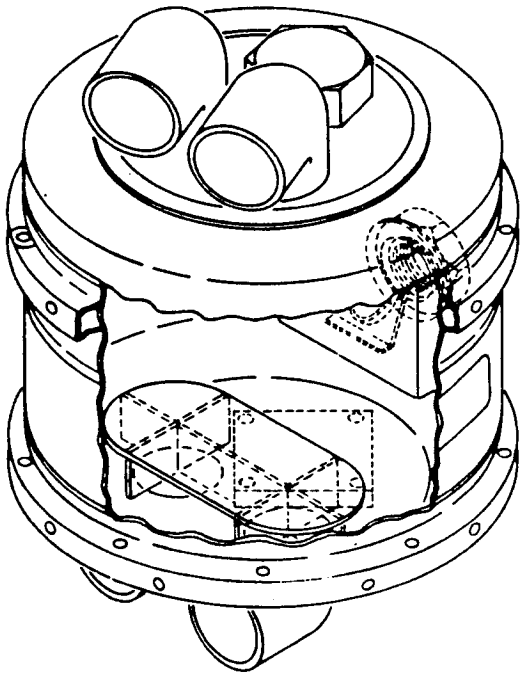


Figure 1. System "B" Hydraulic Reservoir Assembly

1. DESCRIPTION AND OPERATION

A. Description

The system "B" hydraulic reservoir assembly is a pressure vessel consisting of a metal shell with supply, return, drain and balance line ports. Provision is made for installation of a low fluid level warning switch. Internal baffles reduce aeration and prevent vortexing of the fluid. All components of the reservoir are suitable for use with BMS3-11 hydraulic fluid. System "A" and "B" reservoirs are connected by a balance line to provide system "B" with pressurization, make-up fluid and allowance for thermal expansion.

B. Operation

Hydraulic fluid stored in the reservoir is supplied under pressure to the system "B" hydraulic pumps. The reservoir is pressurized by an interconnecting line to the system "A" reservoir. Fluid returned from operation of system "B" hydraulic components is received in the reservoir.

C. Leading Particulars

Length -- 11 inches
Height -- 10 inches
Width -- 10 inches
Capacity -- 1.3 U. S. gallons
Weight -- 4.9 pounds

2. Deleted

3. CLEANING

A. Clean all bores, holes, threads, passages and chambers with a stiff bristle brush.

B. Wash and rinse all parts with dry cleaning solvent, Specification P-D-680, or equivalent.

C. Dry with a clean, lint-free cloth or moisture-free compressed air.

D. For further information, refer to 20-30-03.

4. INSPECTION/CHECK

A. Check all metal parts for cracks, burrs or evidence of corrosion.

B. Check all threads for cross-threading and stripping.

C. Check through the openings of reservoir to see if baffles are intact.

5. REPAIR

A. Deleted

B. Refinish (Fig. 3)

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

(1) Hydraulic reservoir assembly -- Alodize (F-2.21) all interior and exterior surfaces, then apply one coat of BMS 10-11, type 1 primer (SRF-12.205) and one coat of white enamel (SRF-12.64) on exterior surfaces only, except on boss faces, O-ring seats, threads and mating surfaces of plate (4). Material: Alum alloy.

C. Replacement

(1) If welded bosses, flanges, or elbows are unserviceable, replace entire reservoir assembly (85). Heat-treat of the assembly makes weld repairs impractical.

(2) Deleted

(3) Replace nameplate (15, Fig. 3) by bonding per 20-50-12, type 38, Special Method I.

(4) Replace marker (80, Fig. 2) per 20-50-05.

6. Assembly

A. Materials

(1) Sealant BMS 5-95 (Ref. 20-60-04)

B. Assemble Reservoir Assembly (Fig. 2)
Use standard industry procedure, observing the following.

(1) After installation of level switch (70), clean and apply BMS 5-95 fillet seal.

7. Deleted

8. TESTING

A. Using a solution made up fo water plus 0.02 percent sodium dichromate by weight, or use BMS 3-11 hydraulic fluid as test fluid, apply a proof pressure of 100 psi to the reservoir assembly for a period of 5 minutes.

B. There shall be no external leakage or permanent set.

9. TROUBLE SHOOTING

	Trouble	Possible Cause	Correction
A.	Leakage around ports or structural seams on reservoir assembly	Defective brazed joint due to mishandling or excessive pressure	Replace reservoir

10. STORAGE INSTRUCTIONS

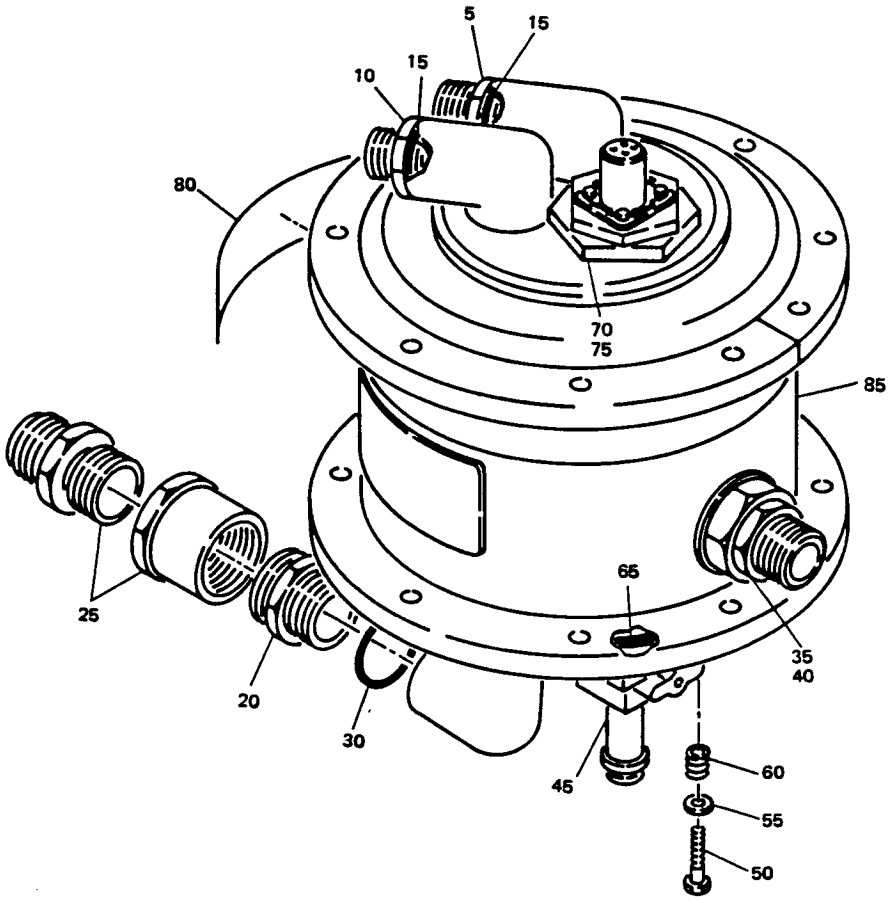
A. Seal all openings with closures in accordance with BAC5001.

B. Wrap entire unit in vapor barrier paper.

C. Enclose entire assembly with an economical structure to prevent handling damage and tag with test date.

D. For additional information, refer to 20-44-02 Temporary Protective Coatings.

12. ILLUSTRATED PARTS LIST

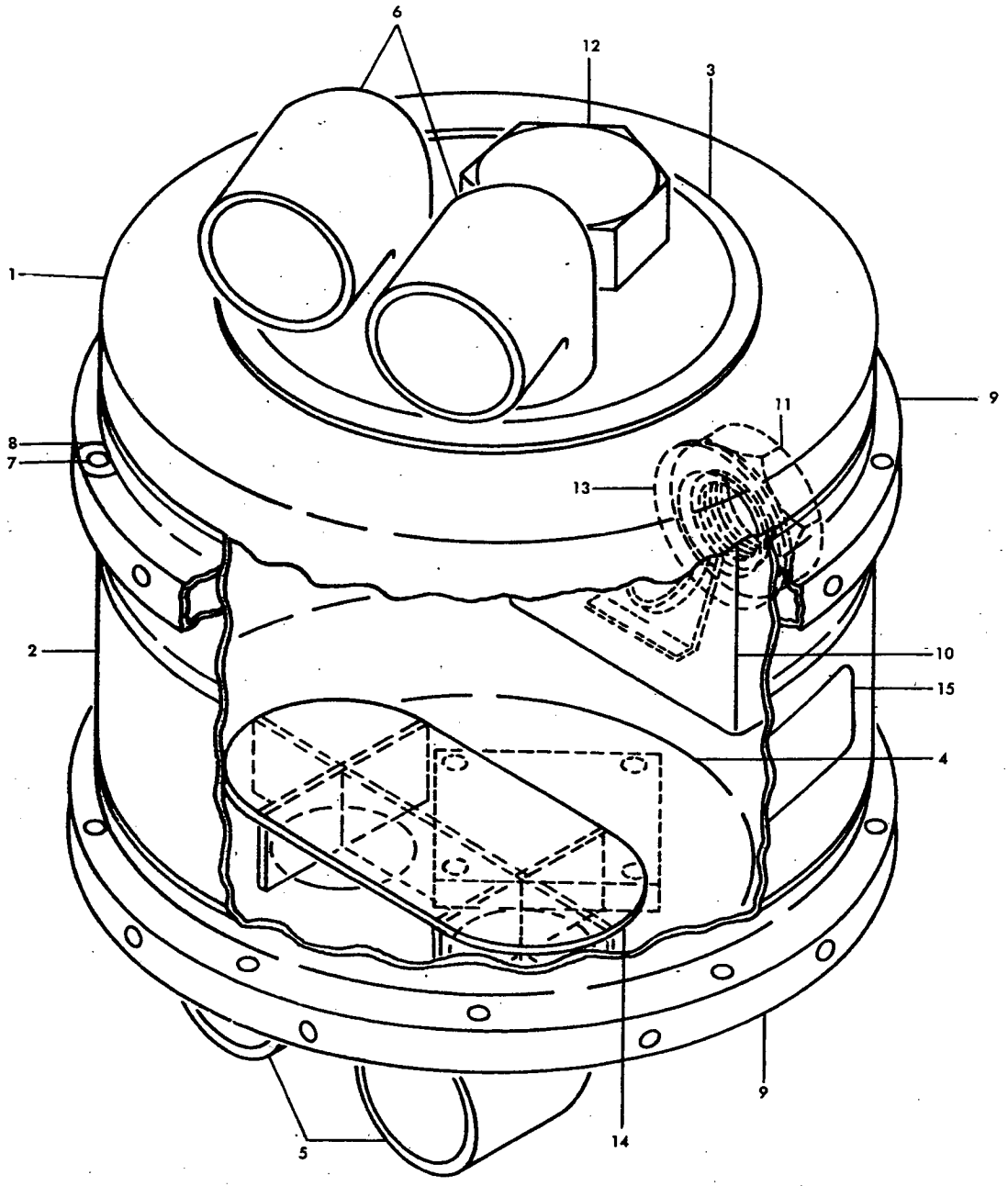


System B Hydraulic Reservoir Assembly
Figure 2

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
2-					
	65-44700-2		HYDRAULIC SYS B RESERVOIR ASSY	A	RF
	65-44700-3		HYDRAULIC SYS B RESERVOIR ASSY	B	RF
	65-44700-5		HYDRAULIC SYS B RESERVOIR ASSY	C	RF
	65-44700-6		HYDRAULIC SYS B RESERVOIR ASSY	D	RF
	65-44700-7		HYDRAULIC SYS B RESERVOIR ASSY	E	RF
5	AN815-16D		. UNION	A	1
5	MS21916D16-12		. REDUCER	BCDE	1
10	MS21916D16-12		. REDUCER		1
15	NAS1612-16		. O-RING		2
20	375248-12		. COUPLING, DISCONNECT, V00624		2
25	375530-12		. COUPLING, DISCONNECT, V00624		2
30	NAS1612-12		. O-RING		2
35	MS21902D10		. UNION		1
40	NAS1612-10		. O-RING		1
45	10-60561-1		. VALVE ASSY, DRAIN		1
50	NAS1303-4H		. BOLT		4
55	AN960PD10L		. WASHER		4
60	MS21209F1-15		. INSERT		4
65	NAS1611-213		. O-RING		1
70	10-61241-1		. SWITCH		1
75	NAS1612-20		. O-RING		1
80	BAC27DHY17		. MARKER		1
85	65-44701-1		. RESERVOIR ASSY (FIG. 3)	AB	1
85	65-44701-4		. RESERVOIR ASSY (FIG. 3)	C	1
85	65-44701-5		. RESERVOIR ASSY (FIG. 3)	D	1
85	65-44701-6		. RESERVOIR ASSY (FIG. 3)	E	1

VENDORS

V00624 AEROQUIP CORP., AMB DIV., 300 S EAST AVE., JACKSON, MISSOURI 49203



System B Hydraulic Reservoir Assembly
Figure 3

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
3-					
	65-44701-1		RESERVOIR ASSY, HYDRAULIC SYS B	A	RF
	65-44701-4		RESERVOIR ASSY, HYDRAULIC SYS B	B	RF
	65-44701-5		RESERVOIR ASSY, HYDRAULIC SYS B	C	RF
	65-44701-6		RESERVOIR ASSY, HYDRAULIC SYS B	D	RF
1	65-44701-2		. DOME		1
2	65-44701-3		. BODY		1
3	69-35741-1		. PLATE		1
4	69-35742-1		. PLATE		1
5	69-35744-1		. BOSS - 90°		2
6	69-35744-4		. BOSS - 90°		2
7	69-35747-1		. BUSHING		4
8	69-35747-2		. SPACER		4
9	69-35748-1		. SECTION, HOOP		4
10	69-35750-5		. BAFFLE ASSY (OPT)		1
10	69-35750-6		. BAFFLE ASSY (PREF)		1
11	69-35751-2		. BOSS		1
12	69-35751-4		. BOSS		1
13	69-35754-3		. PLATE		1
14	69-35771-4		. BAFFLE ASSY		1
15	69-35765-2		. NAMEPLATE	A	1
15	69-35765-6		. NAMEPLATE	C	1
15	69-54683-2		. NAMEPLATE	BD	1