TO: ALL HOLDERS OF STANDBY HYDRAULIC SYSTEM RESERVOIR ASSEMBLY OVERHAUL MANUAL, 29-26-01

REVISION NO. 9, DATED SEP 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
Added blend-out repair procedure for 65-44801 reservoir assembly					X								

STANDBY HYDRAULIC SYSTEM RESERVOIR ASSEMBLY

29-26-01

BOEING P/N 65-44800-3, -5, -6, -7, -8, -10
65-44801-4, -7, -8, -9, -11, -14

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
	29-26-01					
	T-1	Jun 5/88				
	T-2	BLANK				
*	LEP-1	Sep 1/95				
	LEP-2	BLANK				
	T/C-1	Jun 5/88				
	T/C-2	BLANK				
	1	Jun 5/88				
	2	Jun 5/88				
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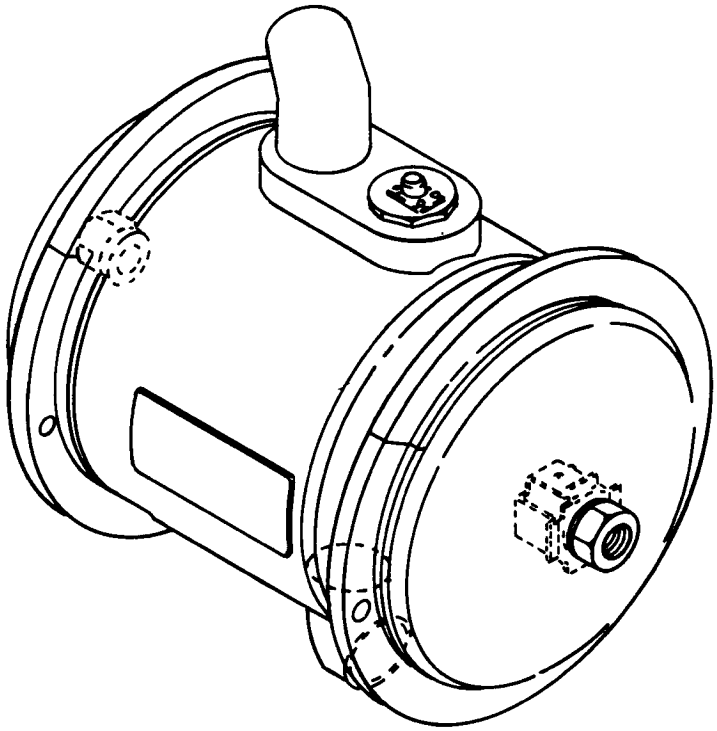
*[1] Instructions not required. Use standard industry practices.

STANDBY HYDRAULIC SYSTEM RESERVOIR ASSEMBLY



Standby Hydraulic System Reservoir Assembly
Figure 1

1. DESCRIPTION AND OPERATION

A. Description

(1) The standby hydraulic system reservoir assembly supplies hydraulic fluid to the standby hydraulic system. The reservoir is a pressure vessel consisting of a metal shell, return and supply baffles; and supply, return, overflow and vent ports. A low fluid level warning switch is also installed. All components of the reservoir are suitable for use with BMS 3-11 hydraulic fluid.

B. Operation

(1) Hydraulic fluid stored in the reservoir is supplied to the standby system pump. Fluid returned from operation of the standby system components is received in the standby system reservoir.

C. Leading Particulars (Approximate)

	65-44800-3, -5, -6, -7	65-44800-8, -10
Length	-- 13 inches	-- 18 inches
Height	-- 13 inches	-- 13 inches
Width	-- 10 inches	-- 10 inches
Capacity	-- 2 U.S. gallons	-- 2.9 U.S gallons
Weight	-- 4 pounds	-- 4.2 pounds

2. DISASSEMBLY

A. Instructions not required. Use standard industry practices.

B. Do not disassemble reservoir assembly (70).

3. CLEANING

A. Clean all parts with dry cleaning solvent, P-D 680, or equivalent.

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

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. Visual Check

(1) Examine reservoir assembly (70) for pits, scratches, cracks, corrosion, and damage using strong light and minimum of 10-power magnification.

(2) Check all threads for cross-threading or stripping.

(3) Examine painted surfaces of reservoir assembly for blisters and flaking.

(4) Check through the openings of reservoir to see if baffles are intact.

(5) Check nameplate (75) for legibility and security of attachment.

B. Check switch (60) per manufacturer's instructions.

5. REPAIR

A. Repair

CAUTION: DO NOT REMOVE MATERIAL INSIDE OF, OR WITHIN 0.5 INCH OF RADIUSED AREAS OF TRANSITION FROM CYLINDRICAL TO SPHERICAL FORM OF RESERVOIR ASSEMBLY (70). MULTIPLE BLEND-OUT REPAIRS IN THE SAME RESERVOIR LOCATION MUST NOT EXCEED MAXIMUM DEPTH VALUES SHOWN BELOW.

(1) Smooth and blend out areas of minor corrosion damage to reservoir assembly (70). In areas of cylindrical form (reservoir 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. Refinish as necessary for protection against corrosion.

(2) Remove light corrosion and minor defects from miscellaneous metal parts by polishing with abrasive cloth, 220 grit, or finer. Refinish as necessary for protection against corrosion.

B. Refinish

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

(1) If plated or painted surfaces are worn or chipped, refinish listed items as indicated in the following steps.

(a) Hydraulic Reservoir Assembly (65-44801-4, -7, -8, -9) -- Protect nameplate and markers by masking. Alodize (F-2.21) interior and exterior surfaces, followed by 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; omit primer and enamel from boss faces, O-ring packing seats and threads. Material: Alum alloy.

(b) Hydraulic Reservoir Assembly (65-44801-11, -14) -- Protect nameplate and markers by masking. Chemical treat (F-17.07) interior and exterior surfaces, followed by one coat BMS 10-11, Type I, primer (F-20.02) and one coat BMS 10-11, Type II, white gloss enamel (F-21.03) on exterior surfaces only; omit primer and enamel from boss faces, O-ring seats and threads. Material: Alum alloy.

C. Replacement

(1) If welded bosses, flanges, or elbows are unserviceable, replace entire reservoir assembly (70). Heat-treat of the assembly makes weld repairs impractical.

(2) Replace nameplate (75), if necessary, as follows:

(a) Cool old adhesive with dry ice; peel off old nameplate. Clean adhesive from reservoir with methyl ethyl ketone.

(b) Install new nameplate on reservoir per 20-50-12, type 38, special method 1. Install in location shown in Fig. 1A.

(c) Vibro engrave (electric etch optional) reservoir assembly dash number on new nameplate per 20-50-10.

(3) Replace markers (5, 50, 55), if necessary, per 20-50-05. Make sure that arrow on marker (5) points in direction shown in Fig. 2.

(4) Replace switch (60), if necessary, using the following steps:

(a) Remove the defective switch (60) and O-ring (65).

(b) Clean the area thoroughly using methyl ethyl ketone.

(c) Install the new O-ring (65) and switch (60). Fillet seal around the hex nut of the switch (60) using BMS 5-95 sealant.

6. TESTING

A. Using a solution consisting of water plus 0.02% 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.

Test Phase	Limit
Apply 100-psi hydraulic pressure to reservoir for 5 minutes	There shall be no external leakage or permanent set

7. TROUBLE SHOOTING

A. Trouble shooting is keyed to individual steps of the test procedure. Referenced paragraph shows the test procedure step in which noted trouble would appear.

	Trouble	Possible Cause	Correction
(1)	Leakage around ports, or assembly seams per par. 6.A.	Defective brazed joints due to mishandling or excessive pressure	Replace Reservoir

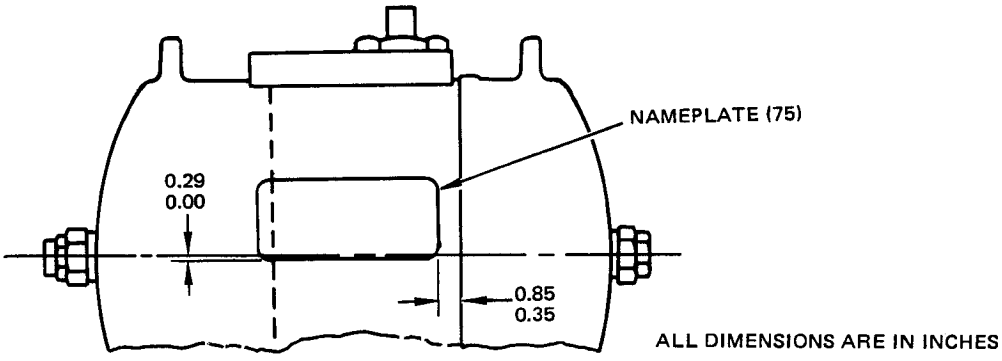
8. STORAGE INSTRUCTIONS

A. Plug or cap all ports prior to storage.

B. Wrap entire unit in vapor-barrier paper.

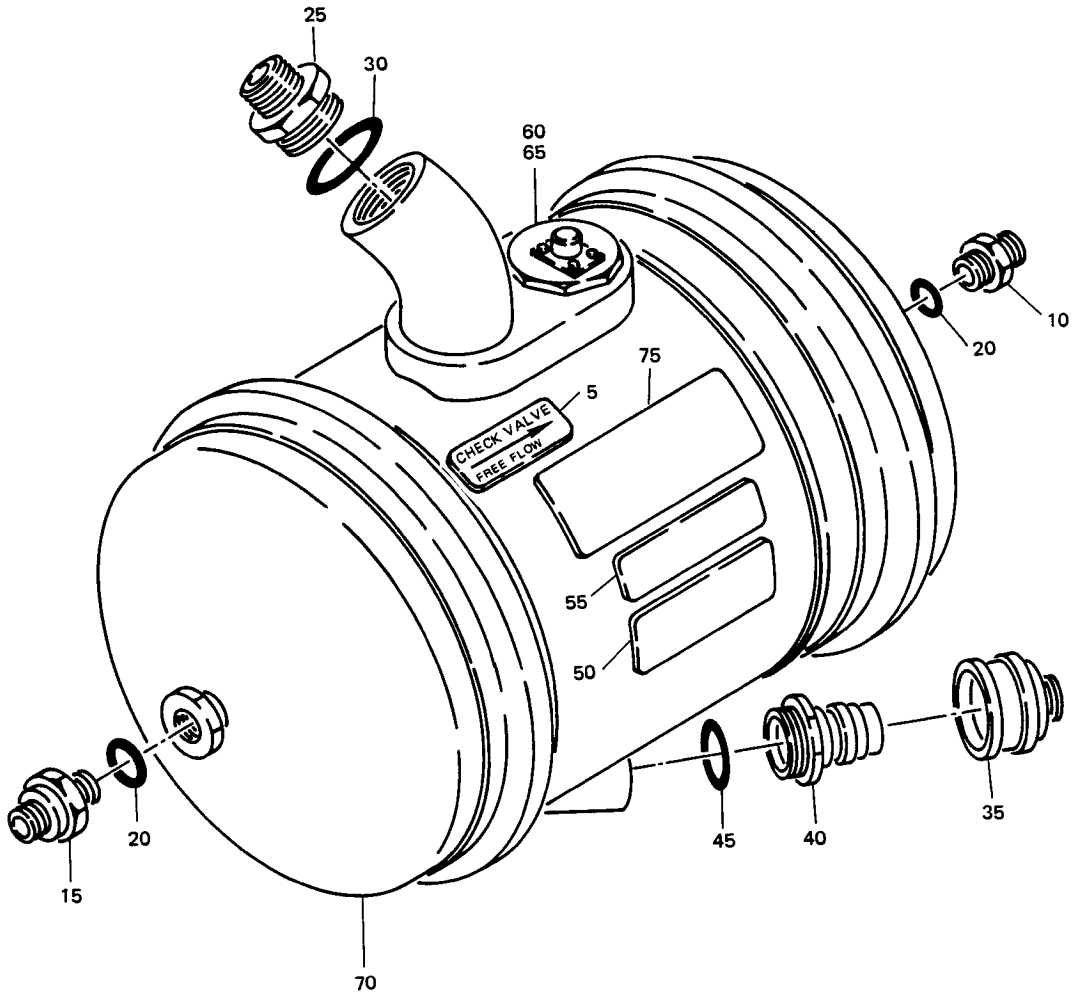
C. Tag unit with test date, name and part number.

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



Nameplate Location
Figure 1A

9. ILLUSTRATED PARTS LIST



Standby Hydraulic System 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-	65-44800-3		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	A	RF
	65-44800-5		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	B	RF
	65-44800-6		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	C	RF
	65-44800-7		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	D	RF
	65-44800-8		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	E	RF
	65-44800-10		STANDBY HYDRAULIC SYSTEM RESERVOIR ASSY	F	RF
5	BACM10V21-2JG		. MARKER		1
10	MS21902D6		. UNION		1
15	BACV10BU2		. VALVE		1
20	NAS1612-6		. O-RING		2
25	MS21916-16-12		. REDUCER	A-D	1
25	MS21916D12-8		. REDUCER	EF	1
30	NAS1612-16		. O-RING		1
35	375530-12		. COUPLING, DISCONNECT V00624		1
40	375248-12		. COUPLING, DISCONNECT V00624		1
45	NAS1612-12		. O-RING		1
50	BAC27DHY17		. MARKER		1
55	BAC27DHY1		. MARKER		1
60	10-61241-1		. SWITCH		1
65	NAS1612-20		. O-RING		1
70	65-44801-4		. RESERVOIR ASSY	A	1
70	65-44801-7		. RESERVOIR ASSY	B	1
70	65-44801-8		. RESERVOIR ASSY	C	1
70	65-44801-9		. RESERVOIR ASSY	D	1
70	65-44801-11		. RESERVOIR ASSY	E	1
70	65-44801-14		. RESERVOIR ASSY	F	1
75	69-35765-3		. . NAMEPLATE	A	1
75	69-35765-7		. . NAMEPLATE	C	1
75	69-54683-3		. . NAMEPLATE	BD	1
75	BAC27DHY0275		. . MARKER	E	1
75	BAC27DHY0345		. . MARKER	F	1

VENDORS

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