TO: ALL HOLDERS OF A AND B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSEMBLY, 27-64-01

REVISION NO. 13, DATED JUL 1/08

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 Reference Letter K to Fits and Clearances Figure 2 (Sheet 3)							X						

A AND B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSEMBLY

27-64-01

BOEING P/N 65-49874-10, -11, -16, -17, -21 thru -24, -56, -57, -60, -61, -62, -63, -64, -66

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT
		PRR 32121-10	Jun 10/72
		PRR 32121-13	Jun 10/72
		PRR 32039	Jun 25/73
		PRR 34656	Dec 5/90

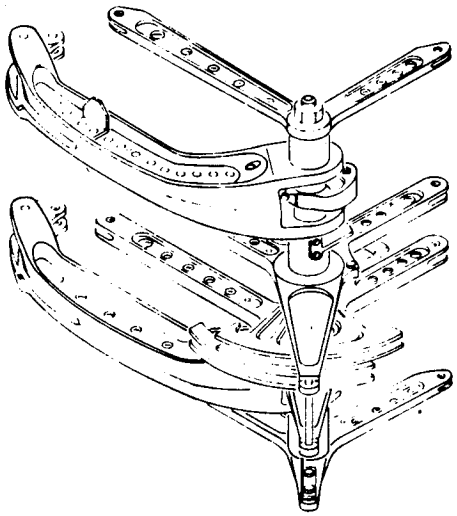
LIST OF EFFECTIVE PAGES

* Indicates pages revised, added or deleted in latest revision
F Indicates foldout pages - print one side only

	PAGE	DATE	PAGE	DATE	PAGE	DATE
	27-64-01					
	T-1	Nov 1/00				
	T-2	BLANK				
*	LEP-1	Jul 1/08				
	LEP-2	BLANK				
	T/C-1	Dec 5/89				
	T/C-2	BLANK				
	1	Jun 25/73				
	2	Jun 10/72				
	3	Nov 15/68				
	4	Jul 1/99				
	4A	Mar 1/98				
	4B	Jul 1/98				
	5	Mar 1/08				
	6	Jul 1/03				
	6A	Nov 1/99				
	6B	Nov 1/00				
	7	Jul 1/98				
	8	Nov 1/99				
	9	Mar 10/71				
*	10	Jul 1/08				
*	11	Jul 1/08				
*	12	Jul 1/08				
	13	Mar 5/86				
	14	Jul 1/99				
	15	Nov 1/00				
	16	Nov 1/00				
	17	Jul 1/03				
	18	Jul 1/03				

TABLE OF CONTENTS

A AND B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSEMBLY



A and B Hydraulic System Aileron Power Control Assembly
Figure 1

1. DESCRIPTION AND OPERATION

A. Description

(1) The A and B hydraulic system aileron power control assembly consists of two adjoining but separate assemblies of drums, reaction links, levers, and shafts which form part of the aileron power control system.

B. Operation

(1) One assembly operates from the "A" hydraulic system, the other independently from the "B" system. When hydraulic power is applied to either assembly through the reaction link, the central shaft rotates, moving lever assemblies, cable drums, and aileron control cables, and positioning the linear transducer assembly.

C. Leading Particulars

Length -- 26.4 inches (approximately)
Width -- 12.0 inches (approximately)
Height -- 11.3 inches (approximately)
Weight -- 11.3 pounds

2. DISASSEMBLY

A. General

(1) Do not remove bearings or bushings unless repair or replacement makes it necessary. Do not dismantle riveted parts unless corrosion, wear or deformation requires replacement.

B. Procedures (See figure 3.)

(1) Remove pin (1), nut (2) and washer (3); remove support assembly (4).

(2) Remove nut (5), washer (6) and bolt (7). Separate support (8) and filler (9) from support (11).

NOTE: Do not remove bearing (10) from support (11) unless repair or replacement makes it necessary.

(3) Remove spacer (12 or 13).

(4) Remove nut (14), washer (15) and bolt (16) from lever assembly (29).

(5) Remove reaction link assembly (17), spacer (28), and lever assembly (29).

NOTE: Do not disassemble items (18) through (25) unless repair or replacement makes it necessary. Do not separate bearings (26) or (27) from reaction link assembly (17) unless repair or replacement makes it necessary.

Do not disassemble collars (30), bolts (31), retainer (32), lubrication fitting (33) or bearing (34) from lever assembly (29) unless repair or replacement makes it necessary.

(6) Remove spacer (36).

(7) Disassemble nut (37), washer (38) and bolt (39) from lever (40), if applicable.

(8) Remove lever (40) or spacer (41).

(9) Remove support assembly (42).

NOTE: Do not separate retainer (43) or bearing (44) from support (45) unless repair or replacement makes it necessary.

(10) Disassemble shaft assembly (46) by removing collars (47) and lockbolts (48).

(11) Remove drum (49).

NOTE: Do not remove metal-cal (50) unless replacement is necessary.

(12) Disassemble shaft assembly (51) by removing plug (52) from shaft (53).

(13) Remove checknut (54) and bolt (55) from shaft (53).

3. CLEANING

A. General (See figure 3.)

(1) Wash all metal parts except bearings in solvent, Specification P-D-680, or equivalent.

(2) Use stiff-bristle brush to remove stubborn accumulations of dirt.

(3) Drain and dry all parts with clean, lint-free cloth or clean, dry air.

(4) For further information, refer to "General Cleaning Procedures," Subject 20-30-03.

B. Bearings

(1) Clean all bearings per "Cleaning and Relubricating Antifriction Bearings," Subject 20-30-01.

4. INSPECTION/CHECK

A. Visual Check

(1) Examine all metal parts for pits, cracks, scratches, burrs, or other mechanical damage, using strong light and 10-power magnification.

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

(3) Check all plated and painted surfaces for blistering, chipping or flaking.

(4) Check all bearings for roughness, binding and excessive radial or axial play.

(5) Check bushings for indications of wear or damage.

(6) Check splines for nicks, gouges, cracks or uneven wear. Wear pattern must be smooth and centered on teeth.

(7) Examine filler (9) and plug (52) for pits, scratches, burrs, or other mechanical damage.

B. Special Check

CAUTION: TO PREVENT DAMAGE TO ANTIFRICTION BEARINGS, IT IS NECESSARY TO PROTECT THEM FROM INSPECTION FLUID WHEN PERFORMING MAGNETIC PARTICLE OR DYE PENETRANT EXAMINATION OF COMPONENTS CONTAINING BEARINGS. AN ADEQUATE EXAMINATION CAN BE MADE BY CAREFULLY MASKING OFF THE BEARING AND APPLYING THE FLUID BY BRUSH INSTEAD OF BY DIPPING.

NOTE: It is not necessary to press out a bearing to check inside of component bore unless crack indications are detected during visual examination.

(1) If visual examination discloses evidence of defects in any of listed parts, perform checks as follows:

(a) Dye penetrant check -- support (8 and 11), reaction link assembly (17), lever (35 or 40), support (45) and drum (49).

(b) Magnetic particle check -- shafts (51 and 53) and spacer (28).

(2) Check parts listed in figure 2 for wear beyond allowable service limits.

5. REPAIR

A. Repair (Fig. 3)

(1) Remove minor scratches, nicks, pitting, or corrosion by polishing lightly with 220 grit or finer abrasive cloth.

(2) Repair minor thread damage with a small triangular file or thread chaser.

(3) Replace all loose or missing rivets using standard shop procedures.

(4) Repair bearing bores of reaction link assembly (17), if required. Refer to 20-50-03, Bearing Installation and Retention.

(a) Machine bores as required up to a maximum diameter of 2.310 inches for the larger bore and a maximum of 1.870 inches for the smaller bore.

(b) Machine bushings from 4130 or 4340 steel, heat treat 180-200 ksi. Cad plate per SOPM 20-42-05, Type 2, Class 1.

NOTE: Installed bushing wall thickness before plating shall not be less than 0.060 inch.

(c) Install cadmium plated steel bushings using shrink-fit method per SOPM 20-50-03 with BMS 10-11 Type 1 in one or both holes as applicable. For the larger hole, bushing interference fit shall be within 0.0013 to 0.0031 inch. For the smaller hole the interference fit shall be within 0.0011 to 0.0028 inch.

(d) Ream bushing bores to sizes within original design limits stated in Fig. 2. Machine a bearing relief groove 0.02 inch deep into bushing just above bearing seat.

(e) Stylus cadmium plate ID of bushing per 20-42-10 to design dimensions.

(5) Repair lockbolt holes of upper and lower shafts (51) as follows:

(a) Machine lockbolt holes to 0.3124/0.3128-inch diameter.

(b) Magnetic particle check the reworked area per 20-20-01, Class B.

(c) Apply cadmium plating per 20-42-05, Type 2, 0.0003 to 0.0004 inch thick followed by one coat of BMS 10-11, Type 1 primer.

(d) Install NAS538-3P10 bushings with a 0.0007- to 0.0012-inch interference fit using wet BMS 5-95 sealant.

(e) Machine or grind the bushings flush with the flange surface.

(f) Machine bushing inner diameters. Inner diameters to be 0.1895/0.1905 inch after application of cadmium plating per step (g).

(g) Stylus cadmium plate bare surfaces per 20-42-10. Apply one coat of BMS 10-11, Type 1 primer on all treated surfaces except the bushing bores.

B. Refinish (Fig. 3)

NOTE: Refer to 20-30-02 for stripping of protective finishes and to 20-41-01 for decoding of F and SRF finish symbols and their BAC equivalents.

(1) If plated or painted surfaces are worn or chipped, refinish items as indicated:

(a) Support assembly (4) -- Apply finishes as follows: On 6549938-6 and -10 alodize or chromic acid anodize and primer (SRF-2.30) all over except on the bearing surface. On 6549938-12, -13, -14, and -15 alodize or chromic acid anodize and primer (SRF-2.30) all over except on the bearing surface. Apply enamel (SRF-14.9812) all over except on the bearing surface. On 6549938-20 and -21 chromic acid anodize and apply one coat of primer (F-18.13) all over except on bearing surface. Apply enamel (SRF-14.9812) all over except on bearing surface and the inside surfaces of the clevis on each leg of the support assembly. On 6549938-24 chromic acid anodize and apply one coat of primer (F-18.13) all over except on bearing surface. Apply enamel (SRF-14.9812) all over except on bearing surface and the inside surfaces of the clevis on each leg of the support assembly and the inside surfaces of the clevis near the center of the support assembly. Material: Al alloy.

(b) Spacer (13) -- Alodize or chromic acid anodize and primer (F-18.05) on exterior surface. Apply enamel (SRF-14.9812) on exterior surfaces. Material: Al alloy.

(c) Reaction link assembly (17) -- Alodize and primer (F-18.05) and apply enamel (SRF-14.9812) all over except on bearing surfaces and insert (24) inner surfaces.

(d) Insert (24) -- Prepare surface and apply enamel (SRF-14.9624) on the inside surface of the fork only. Material: Al alloy.

(e) Spacer (28) -- Cadmium plate and primer (F-16.03) all over. Material: 4340 steel (180-200 ksi).

(f) Lever assembly (29) -- Alodize or chromic acid anodize and apply primer (SRF-2.30) all over except omit primer on bearing surfaces. Apply enamel (SRF-14.9812) all over except omit enamel on bearing surfaces.

(g) Retainer (32) – Cadmium plate (F-4.201) all over except on bearing surfaces. Material: Al alloy.

(h) Spacer (36) -- Alodize or chromic acid anodize and apply primer (F-18.05) all over. Material: Al alloy.

(i) Lever (35) -- Alodize or chromic acid anodize and apply primer (SRF-2.30) all over except on bore surface. Apply enamel (SRF-14.9812) all over except on bore surface. Material: Al alloy.

(j) Lever (40) -- Apply finishes as follows: On 65-51528-3 and -5, alodize or chromic acid anodize and apply primer (SRF-2.30) all over except on bore surface. Apply enamel (SRF-14.9812) all over except on bore surface. On 65-51528-6 alodize or chromic acid anodize (F18.13) and apply primer (F-20.02) all over except on bore surface. Apply enamel (SRF-14.9812) all over except on bore surface. Material: Al alloy.

(k) Support assembly (42) -- Apply finishes as follows: On 65-50527-2 and -6 alodize or chromic acid anodize and apply primer (SRF-2.30) on all surfaces except the bearing surface. On 65-50527-9, -10, -14, and -15 alodize or chromic acid anodize and apply primer (SRF-2.30) all over except on the bearing surface. Apply enamel (SRF-14.9812) all over except on the bearing surface. On 65-50527-16 and -17 alodize or chromic acid anodize and apply primer (F-18.13) all over except on the bearing surface. Apply enamel (SRF-14.9812) all over except on the bearing surface and the inside surfaces of the clevis on each leg of the support assembly. On 65-50527-20 alodize or chromic acid anodize and apply primer (F-18.13) all over except on the bearing surface. Apply enamel (SRF-14.9812) all over except on the bearing surface and the inside surfaces of the clevis on each leg of the support assembly and the inside surfaces of the clevis near the center of the support assembly. Material: Al alloy.

(l) Drum (49) -- Alodize or chromic acid anodize and apply primer (SRF-2.30) and apply enamel (SRF-14.9812) all over except on the bearing and cable groove surfaces. Alodize or chromic acid anodize and apply primer (SRF-2.30) and apply enamel (SRF-14.9624) on cable groove surfaces. Material: Al alloy.

(m) Shafts (51, 53) -- Cadmium plate (F-15.06) all over. Apply primer (F-20.02) all over except on bearing and spline surfaces. Material: 4340 steel (180-200 ksi).

(n) Spacers (12, 41) -- Alodize or chromic acid anodize and primer (F-18.05) all over. Apply enamel (SRF-14.9812) on exterior surface only. Material: Al alloy.

C. Replacement (Fig. 3)

(1) Replace all cotter pins and lockwiring at each overhaul.

(2) Deleted.

(3) If replacement of any parts of reaction link assembly (17) is required, remove collars (18) from bolts (19); remove rivets (20), clips (21), link (22) and link (23) from insert (24). Reassemble as follows:

(a) Bond replacement insert (24) to mating surfaces of links (22, 23) per SOPM 20-50-12, Application of Adhesives. Use Type 38, Special Method 2.

(b) Assemble clips (21), rivets (20), bolts (19) and collar (18) to complete reaction link assembly (17).

(4) If lubrication fitting (33) requires replacement, carefully drill out original fitting in lever (35). Thoroughly clean bore. Prepare replacement fitting by brushing all over with BMS 10-11, Type 1 primer and press fit while wet.

(5) Bearing (10) -- Remove existing bearing. Install replacement bearing with wet primer BMS 10-11, Type 1. Roller swage in place per SOPM 20-50-03.

(6) Bushing (25) -- Remove existing bushing. Install replacement bushing with primer BMS 10-11, Type 1, using shrink fit method per SOPM 20-50-03.

(7) Bearings (26, 27) -- Remove existing bearings. Install replacement bearings with primer BMS 10-11, Type 1.

NOTE: Bushings 26 and 27 will have the upper exposed areas filled with grease during assembly.

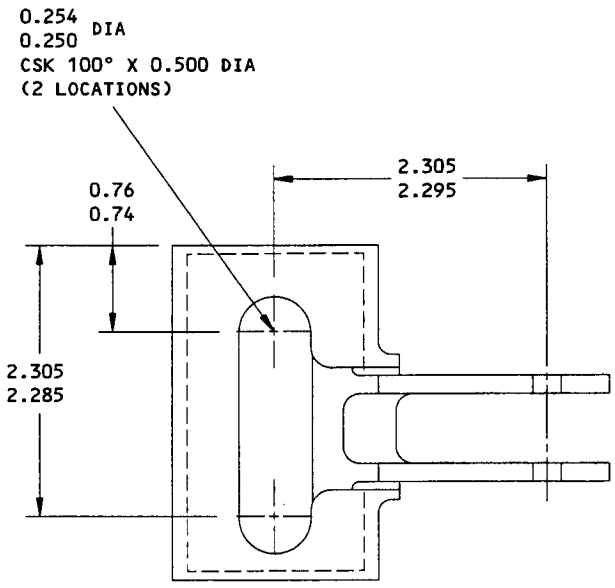
(8) Bearing (34) -- Remove existing bearing. Apply corrosion preventive compound to faying surfaces of housing and new bearing. Install bearing per SOPM 20-50-03.

NOTE: Remove collar (30), lockbolt (31) and retainer (32) to gain access to bearing (34). Install collar and lockbolt per SOPM 20-50-01.

(9) Bearing (44) -- Remove existing bearing. Install replacement bearing and retainer (43). Roller swage retainer per SOPM 20-50-03.

(10) If it is necessary to replace metal-cal (50, P/N BAC10L1EKH, BAC27DCT225), apply replacement part to drum (49) per SOPM 20-50-05 with a top coat for resistance to BMS 3-11 hydraulic fluid. If it is necessary to replace metal-cal (50, P/N BAC27DCT0489), apply replacement part to drum (49) per SOPM 20-50-05 using Type 89 adhesive with 100 percent fay surface coverage and edge squeeze out.

(11) Lever (40) -- Drill two countersunk mounting holes located as shown in Fig. 1A. Hole location indicated is for production parts, the replacement lever must be drilled to match the existing shaft (53). Install lever on shaft assembly (51) per ASSEMBLY step 6.A (6).



LEVER 65-51528-3,-5,-6

Lever Hole Locations
Figure 1A

D. Materials

(1) Primer -- BMS 10-11, Type 1 (SOPM 20-60-02)

(2) Corrosion Preventive Compound -- MIL-C-11796, class 3 (SOPM 20-60-03)

(3) Adhesive -- Type 38 (SOPM 20-50-12)

(4) Adhesive -- Type 89 (SOPM 20-50-12)

6. ASSEMBLY

A. Procedures (Fig. 3)

(1) Install bolts (55) with checknuts (54) on shaft (53), if applicable. Adjust position of bolt so that end of each bolt is from 0.445 to 0.465 inch from centerline of fork recess.

NOTE: Final adjustment will be made when assembly is installed in airplane.

(2) Cement phenolic plug (52) to shaft (53) per 20-50-12, type 38.

(3) Install drum (49) on shaft assembly (51 or 46).

(4) Insert lockbolts (48) into drum (49) and shaft or shaft assembly (51). Install collars (47).

(5) Install support assembly (42) on shaft assembly (46). Fill upper exposed area of bearing (44) with grease.

(6) Install spacer (41) or lever (40) on shaft or shaft assembly (51). Before assembly, liberally cover inside surfaces of both spacer and lever with corrosion preventive compound. Fill all voids between part and shaft.

(7) Insert bolts (39) into lever (40) and assemble with washers (38) and nuts (37), if applicable.

(8) Position reaction link assembly (17) so that bearings lie horizontal. Place in succession on top of bearing inside forks: spacer (36), lever assembly (29) and spacer (28). Slide entire assembly onto shaft (51). Fill the upper exposed areas of bearings (26, 27) with grease.

NOTE: Before assembly, cover spline surfaces of lever (35) with a heavy coating of corrosion preventive compound.

(9) Secure lever assembly (29) with bolt (16), washer (15) and nut (14).

(10) Install spacer (13) or spacer (12) on shaft or shaft assembly (51). Before assembly liberally cover inside surfaces of both spacers with corrosion preventive compound. All voids between part and shaft should be filled.

(11) Assemble filler (9), support (8), bolt (7), washer (6) and nut (5) on support (11), if applicable, forming support assembly (4). Fill the upper exposed area of bearing (10) with grease.

(12) Install support assembly (4) on shaft or shaft assembly (51).

(13) Place washer (3) and nut (2) on shaft or shaft assembly (51). Tighten nut (2) to 400-450 lb-in. Install cotter pin (1) per SOPM 20-50-02.

(14) After completion of assembly, lubricate with grease through lube fittings (33).

B. Materials

(1) Adhesive -- Type 38 (Ref SOPM 20-50-12)

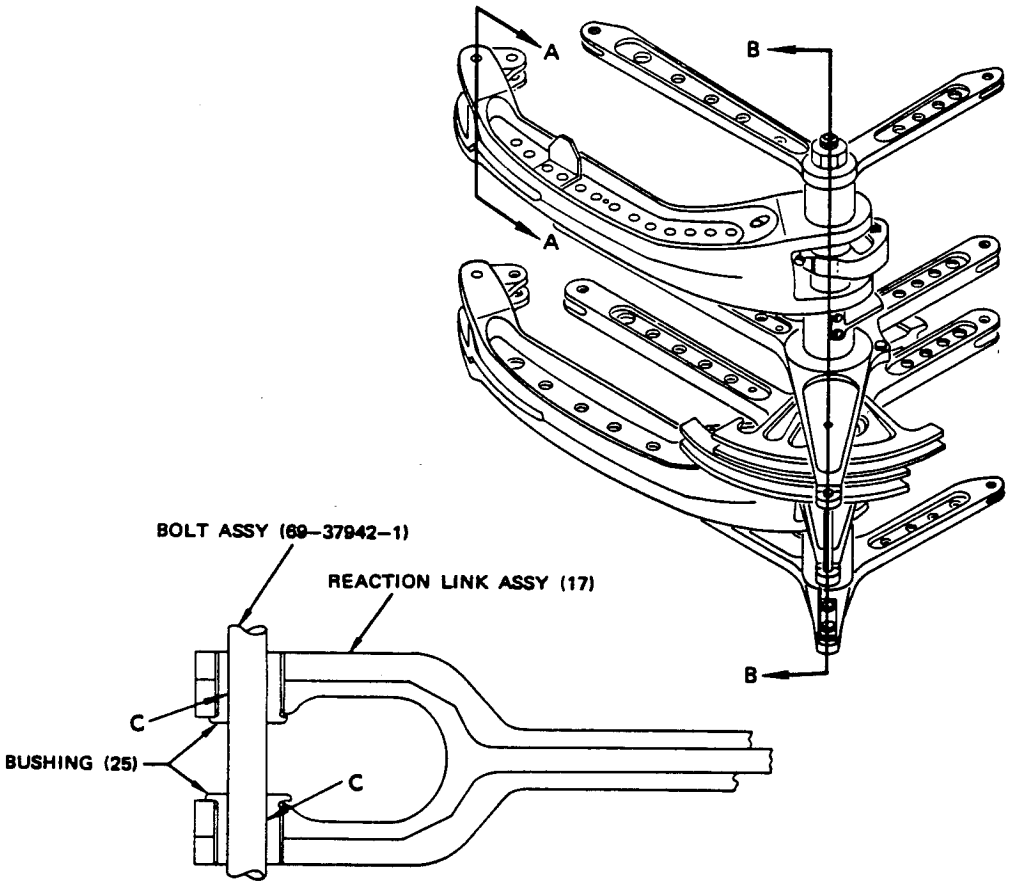
(2) Grease -- MIL-PRF-23827 (Ref SOPM 20-60-03)

(3) Corrosion Preventive Compound -- MIL-C-11796, class 3 (Ref SOPM 20-60-03)

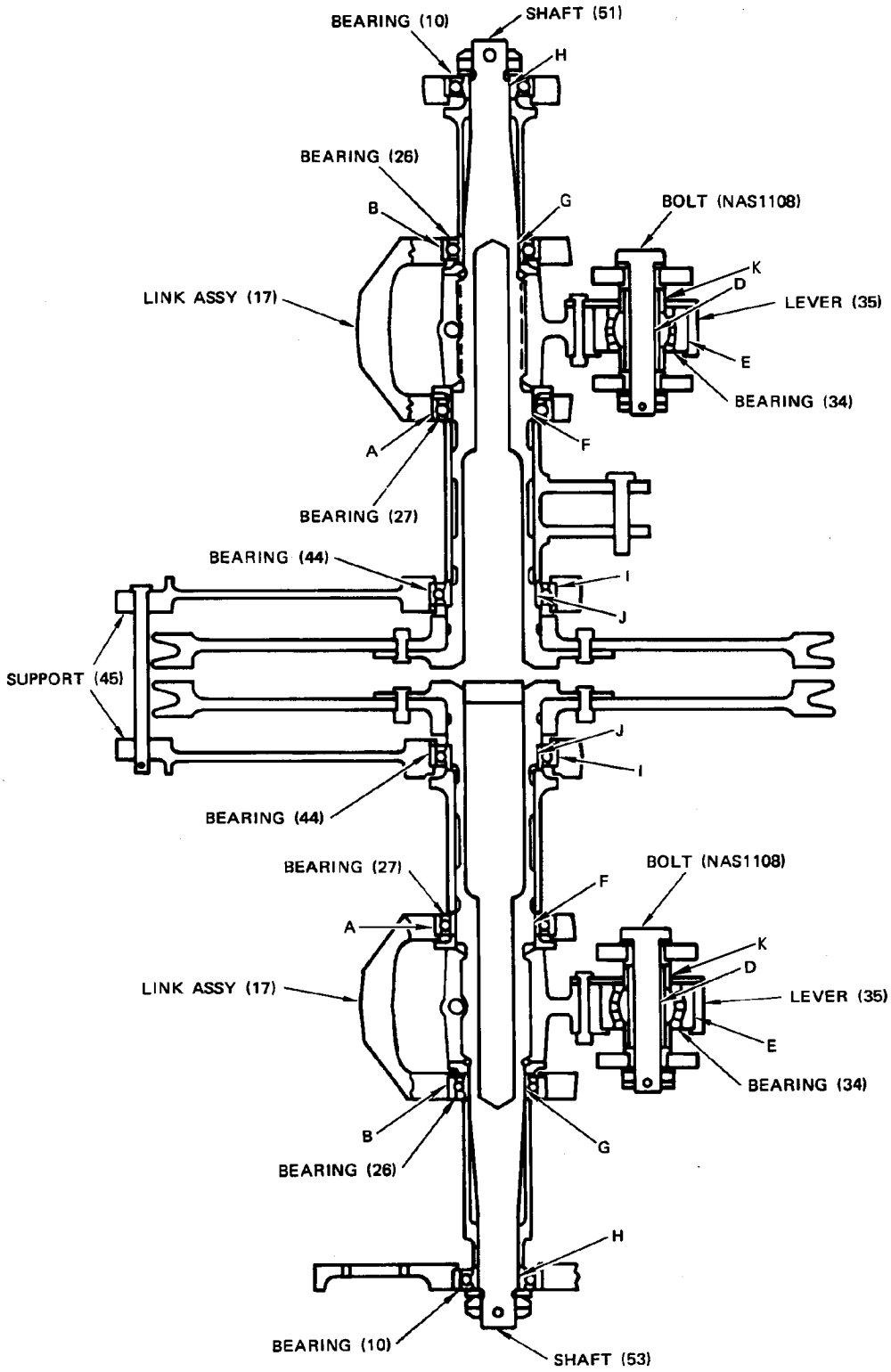
7. FITS AND CLEARANCES

A. The fits and clearances table lists design dimensions and service wear limits for close tolerance parts of the assembly that are subject to wear or corrosion. Unless otherwise specified, parts should be returned to the design dimensions whenever rework is accomplished.

B. Clearances are given to aid assembly of the components. The values given in the Maximum Allowable Clearance column are the maximum permitted to ensure proper functioning of the unit. If assembled parts fail to meet this requirement, one or more of the parts must be rejected. Parts that are rejected should be reworked if within the rework limits given in the Repair procedure; if not within rework limits, the parts should be scrapped. It is recommended that the design clearances be used as the guiding assembly criteria when newly reworked parts are assembled.



SECTION A-A



SECTION B-B

Fits and Clearances
Figure 2 (Sheet 2)

1565061

Ref Letter Fig. 2	Mating Item No. Fig. 3	Design Dimensions				Service Wear Limits		
		Dimensions (inches)		Assembly Clearance (inch)		Dimension Limits (inch)		Maximum Allowable Clearance (inch)
		Min	Max	Min	Max	Min	Max	
A	ID 17	2.1875	2.1882	0.0000	0.0017	*[2]*[3]	2.1895	0.0020
	OD 27	2.1865	2.1875			2.1855	*[1]	
B	ID 17	1.7500	1.7507	0.0000	0.0017	*[2]*[3]	1.7520	0.0020
	OD 26	1.7490	1.7500			1.7480	*[1]	
C	ID 25	0.6245	0.6250	0.0003	0.0013		0.6250	0.0017
	OD *[4]	0.6237	0.6242			0.6233		
D	ID 34	0.4995	0.5000	0.0000	0.0015	*[1]	0.5015	0.0020
	OD *[6]	0.4985	0.4995			0.4975	*[1]	
E	ID 29	1.6864	1.6870	0.0000	0.0011		*[1]	
	OD 34	1.6870	1.6875		*[5]		*[1]	
F	ID 27	1.4370	1.4380	0.0000	0.0020		1.4380 *[7]	0.0030
	OD 51	1.4360	1.4370			1.4350		
G	ID 26	0.9990	1.0000	-0.0005	0.0012		1.0000 *[7]	0.0020
	OD 51	0.9988	0.9995			0.9980		
H	ID 10	0.7495	0.7500	0.0000	0.0012		0.7500 *[7]	0.0020
	OD 51	0.7488	0.7495			0.7480		
I	ID 45	2.3125	2.3135	0.0000	0.0020		2.3145	0.0030
	OD 44	2.3115	2.3125			*[7] 2.3115		

Fits and Clearances
Figure 2 (Sheet 3)

Ref Letter Fig. 2	Mating Item No. Fig. 3	Design Dimensions				Service Wear Limits		
		Dimensions (inches)		Assembly Clearance (inch)		Dimension Limits (inch)		Maximum Allowable Clearance (inch)
		Min	Max	Min	Max	Min	Max	
J	ID 44	1.5620	1.5630	0.0000	0.0020		1.5630 *[7]	0.0030
	OD 51	1.5610	1.5620			1.5600		
K	ID 32	0.840	0.845	0.0200	0.0255		0.850	0.0305
	OD 34	0.8195	0.8200			0.8195		

*[1] Do not replate; replace worn part.

*[2] Install cadmium plated steel bushing and ream to original design tolerances.

*[3] After installation of bushing, machine a 0.02-inch deep groove in bushing at bearing seat.

*[4] Bolt Assy, P/N 69-37942-1

*[5] Interference fit.

*[6] NAS1108-34D

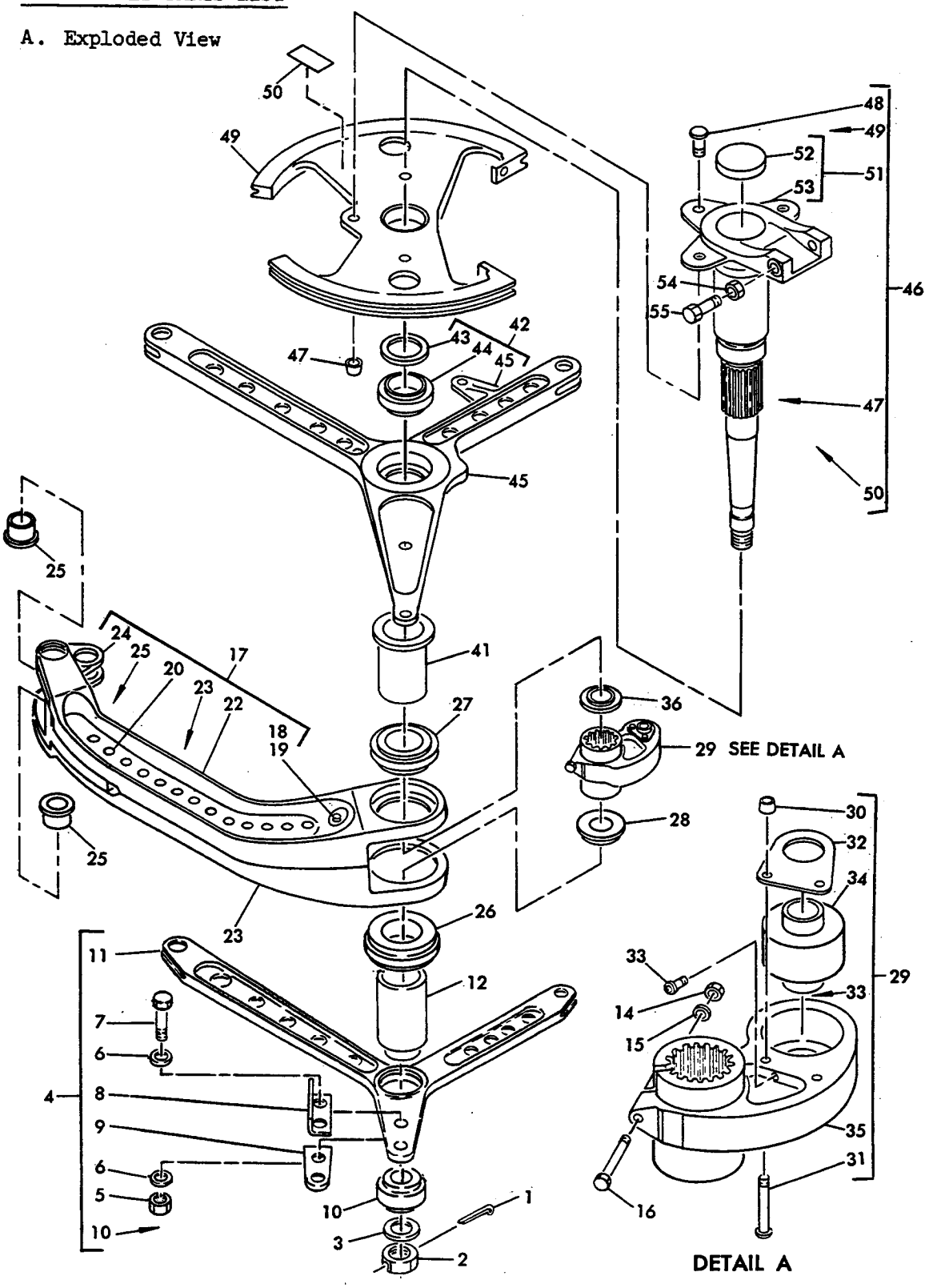
*[7] Max allowable radial play of bearing 0.0020 inch.

Fits and Clearances
Figure 2 (Sheet 4)

8. thru 11. Deleted.

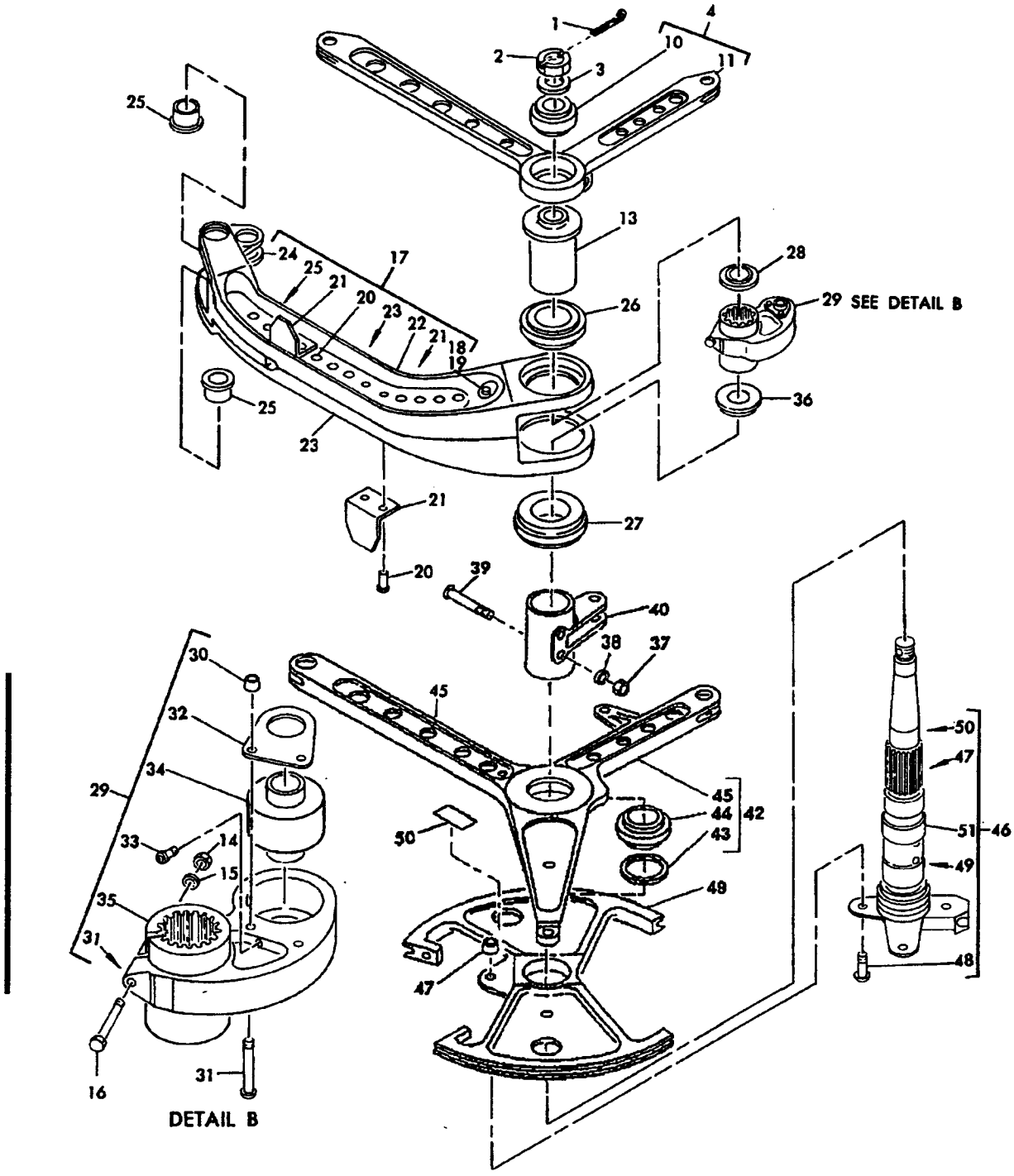
12. ILLUSTRATED PARTS LIST

A. Exploded View



"A" SYSTEM ASSEMBLY

A and B Hydraulic System Aileron Power Control Assembly
Figure 3 (Sheet 1)



A and B Hydraulic System Aileron Power Control Assembly
Figure 3 (Sheet 2)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
3-					
	65-49874-10		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	A	RF
	65-49874-11		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	B	RF
	65-49874-16		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	C	RF
	65-49874-17		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	D	RF
	65-49874-21		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	E	RF
	65-49874-22		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	F	RF
	65-49874-23		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	G	RF
	65-49874-24		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	H	RF
	65-49874-56		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	J	RF
	65-49874-57		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	K	RF
	65-49874-60		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	L	RF
	65-49874-61		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	M	RF
	65-49874-62		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	N	RF
	65-49874-63		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	O	RF
	65-49874-64		B HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	P	RF
	65-49874-66		A HYDRAULIC SYSTEM AILERON POWER CONTROL ASSY	Q	RF
1	MS24665-355		. PIN		1
2	BACN10JD110		. NUT (REPLS AN320-10)		1
3	AN960-1016		. WASHER		1
4	65-49938-6		. SUPPORT ASSY	A	1
4	65-49938-10		. SUPPORT ASSY	B	1
4	65-49938-12		. SUPPORT ASSY *[1]	C	1
4	65-49938-13		. SUPPORT ASSY *[1]	DE	1
4	65-49938-14		. SUPPORT ASSY	F	1
4	65-49938-15		. SUPPORT ASSY	GH	1
4	65-49938-20		. SUPPORT ASSY	JL	1
4	65-49938-21		. SUPPORT ASSY	KMOQ	1
4	65-49938-24		. SUPPORT ASSY	LNP	1
5	BACN10JC3		. . NUT (REPLS NAS679A3W)	BDEGHK MOQ	2

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
3-6	AN960PD10		. . WASHER	BDEGHK MOQ	4
7	BACB30NF3-9		. . BOLT (REPLS NAS1103-9)	BDEGH KMOQ	2
7	BACB30NE3		. . BOLT (REPLS BACB30NF3-9)	BDEGH KMOQ	2
7	NAS6603		. . BOLT (REPLS BACB30NE3)	BDEGH KMOQ	2
8	69-35875-1		. . SUPPORT	BDEGH KMOQ	1
9	69-35875-2		. . FILLER	BDEGH KMOQ	1
10	BACB10BX12		. . BEARING (REPLS BACB10A685)		1
11	65-49938-7		. . SUPPORT	AC	1
11	65-49938-9		. . SUPPORT	BDE	1
11	65-49938-16		. . SUPPORT	F	1
11	65-49938-17		. . SUPPORT	GH	1
11	65-49938-22		. . SUPPORT	JLNP	1
11	65-49938-23		. . SUPPORT	KMOQ	1
12	69-41223-1		. SPACER	B	1
12	69-41223-2		. SPACER *[1]	DEGHK MOQ	1
13	69-41224-1		. SPACER	A	1
13	69-41224-2		. SPACER *[1]	CFJLNP	1
14	BACN10JC4		. NUT (REPLS NAS679A4W)		1
15	AN960PD416		. WASHER		1
16	BACB30NE4-25		. BOLT (REPLS NAS1104-25)		1
17	65-51250-3		. LINK ASSY	B	1
17	65-51250-4		. LINK ASSY	A	1
17	65-51250-5		. LINK ASSY *[1]	DE	1
17	65-51250-6		. LINK ASSY *[1]	C	1
17	65-51250-7		. LINK ASSY	GHKM	1
17	65-51250-8		. LINK ASSY	FJL	1
17	65-51250-11		. LINK ASSY	OQ	1
17	65-51250-12		. LINK ASSY	N	1
17	65-51250-14		. LINK ASSY	P	1
18	NAS1080-8		. . COLLAR		2
19	BACB30HC8-7		. . BOLT		2
20	MS20470D8		. . RIVET		12
21	66-23737-16		. . CLIP	ACFJLN	2
22	65-49947-3		. . LINK	A-E	1
22	65-49947-7		. . LINK	F-Q	1
23	65-49947-4		. . LINK (OPP 65-49947-3)	A-E	1
23	65-49947-8		. . LINK (OPP 65-49947-7)	F-Q	1
24	65-53835-2		. . INSERT	A-M	1
24	65-53835-3		. . INSERT	NOPQ	1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
3-					
25	NAS538B10P53		. . BUSHING		2
26	BACB10BW16		. BEARING (REPLS BACB10A821)		1
27	BACB10BW23		. BEARING (REPLS BACB10A823)		1
28	69-40707-1		. SPACER		1
29	65-50548-1		. LEVER ASSY	AB	1
29	65-50548-4		. LEVER ASSY *[1]	C-Q	1
30	BACC30K6		. . COLLAR (USED ON BACB30GW6-17)		2
30	BACC30M6		. . COLLAR (USED ON BACB30FM6A17)		2
31	BACB30GW6-17		. . BOLT (REPLD BY BACB30FM6A17)		2
31	BACB30FM6A17		. . BOLT (REPLS BACB30GW6-17)		2
32	69-37994-1		. . RETAINER		1
33	NAS516-1		. . FITTING, LUBRICATION		1
34	BACB10C137Y		. . BEARING		1
35	65-50548-2		. . LEVER		1
36	69-40707-2		. SPACER		1
37	BACN10JC4		. NUT (REPLS NAS679A4W)	ACFJLNP	2
38	AN960PD416		. WASHER	ACFJLNP	2
39	BACB30LU4-29		. BOLT (REPLS BACB30ABP4-29A)	ACFJLNP	2
40	65-51528-3		. LEVER	A	1
40	65-51528-5		. LEVER *[1]	CFJLNP	1
40	65-51528-6		. LEVER - MACHINED (OPT TO 65-51528-5)	FJLNP	1
41	69-40396-1		. SPACER	B	1
41	69-40396-2		. SPACER *[1]	DEGHK MOQ	1
42	65-50527-2		. SUPPORT ASSY	A	1
42	65-50527-6		. SUPPORT ASSY	B	1
42	65-50527-9		. SUPPORT ASSY *[1]	C	1
42	65-50527-10		. SUPPORT ASSY *[1]	DE	1
42	65-50527-14		. SUPPORT ASSY	F	1
42	65-50527-15		. SUPPORT ASSY	GH	1
42	65-50527-16		. SUPPORT ASSY	JLNP	1
42	65-50527-17		. SUPPORT ASSY	KM	1
42	65-50527-20		. SUPPORT ASSY	OQ	1
43	69-37493-1		. . RETAINER		1
44	BACB10BW25		. . BEARING (REPLS BACB10A824)		1
45	65-50527-4		. . SUPPORT	AC	1
45	65-50527-7		. . SUPPORT	BDE	1
45	65-50527-12		. . SUPPORT	F	1
45	65-50527-13		. . SUPPORT	GH	1
45	65-50527-18		. . SUPPORT	JLNP	1
45	65-50527-19		. . SUPPORT	KMOQ	1
46	65-49874-8		. SHAFT ASSY (UPPER)	A	1
46	65-49874-9		. SHAFT ASSY (LOWER)	B	1
46	65-49874-18		. SHAFT ASSY (UPPER)	C	1
46	65-49874-19		. SHAFT ASSY (LOWER)	D	1
46	65-49874-20		. SHAFT ASSY (LOWER)	E	1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
3-					
46	65-49874-25		. SHAFT ASSY (UPPER)	FJ	1
46	65-49874-26		. SHAFT ASSY (LOWER)	GK	1
46	65-49874-27		. SHAFT ASSY (LOWER)	H	1
46	65-49874-58		. SHAFT ASSY (UPPER)	LNP	1
46	65-49874-59		. SHAFT ASSY (LOWER)	MO	1
46	65-49874-65		. SHAFT ASSY (LOWER)	Q	1
47	NAS1080D6		. . COLLAR		3
48	BACB30GP6-5		. . LOCKBOLT		3
49	65-49188-4		. . DRUM	B	1
49	65-49188-5		. . DRUM	A	1
49	65-49188-6		. . DRUM *[1]	DE	1
49	65-49188-7		. . DRUM *[1]	C	1
49	65-49188-8		. . DRUM	GHKMOQ	1
49	65-49188-9		. . DRUM	FJLNP	1
50	BACM10L1EKH		. . MARKER, FOIL	A-E	1
50	BAC27DCT225		. . MARKER, FOIL	F-K	1
50	BAC27DCT0489		. . MARKER, FOIL	L-Q	1
51	65-50553-5		. . SHAFT	ACFJLNP	1
51	65-50553-3		. . SHAFT ASSY	BDGK	1
51	65-50553-6		. . SHAFT ASSY	EH	1
51	65-50553-7		. . SHAFT ASSY	MO	1
51	65-50553-9		. . SHAFT ASSY	Q	1
52	69-41220-1		. . . PLUG	BDGKMOQ	1
52	69-41220-2		. . . PLUG	EH	1
53	65-50553-2		. . . SHAFT	BDEGHK	1
53	65-50553-8		. . . SHAFT	MO	1
53	65-50553-10		. . . SHAFT	Q	1
54	AN316-5R		. NUT, CHECK	BDEGHKMOQ	2
55	NAS565-31		. BOLT	BDEGHKMOQ	2

*[1] IDENTICAL TO EQUIVALENT ITEM CODED A OR B EXCEPT FOR ADDITIONAL COATING OF ENAMEL.