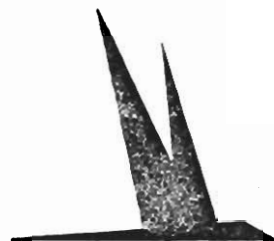


BELLANCA *Aircraft Corporation*



PHONE 715-294-2141

OSCEOLA, WISCONSIN 54020

PARTS CATALOG



PUBLISHED BY
PUBLICATIONS DEPARTMENT
BELLANCA AIRCRAFT CORPORATION

PRE 1972

I

FOREWORD

This parts manual has been prepared to provide interested parties with information leading to replacement part procurement.

The manual relates to Bellanca Models 7ECA, 7GCAA, 7GCBC and 7KCAB, and is designed to aid in the identification of parts for these models.

PUBLISHED BY

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BELLANCA AIRCRAFT CORPORATION

ISSUED MARCH 27, 1972

II

INTRODUCTION

The desired method for ordering parts to insure prompt and accurate filling of orders is as follows:

1. SPECIFY THE AIRPLANE MODEL and serial or registration number.
2. SPECIFY THE PART NUMBER, name, type (left or right), and quantity desired.
3. SPECIFY THE METHOD OF SHIPMENT—air parcel post, air freight, air express, parcel post, express, freight, or will call. When no instructions are given or where the nature of the shipment requires it, we reserve the right to ship the most suitable way.
4. Parts may be ordered from your nearest dealer or direct from the factory.

Parts Department
Bellanca Aircraft Corporation
Osceola, Wisconsin 54020

Telephone No. 294-2141
Area Code 715

III

SHORTAGES IN PARTS ORDERS

All shipments are checked before they leave the factory's shipping department to prevent errors and shortages. Shipments should be checked against the accompanying packing slip immediately upon receipt of the parts. All claims for shortages should be made within three (3) days after receipt of the order.

RETURNED PARTS

No parts should be returned without the factory's written permission. Parts returned without notice will be held at the owner's risk for thirty (30) days and will then be disposed of as seen fit. Transportation charges on returned items must be prepaid or the shipment will be refused.

TRANSPORTATION CHARGES

Inspect all parts upon receipt. Damages to parts in transit must be filed as a claim against the carrier. Have the claim agent inspect the damage or have the carrier make a note of same.

IV

READING THE PARTS LIST

The parts list consists of a systematic breakdown of the component parts for the entire airplane. The order in which assemblies and component parts are listed and the indention of their titles indicates disassembly procedure. The assemblies are followed by the attaching parts, then the components for that assembly are listed. The names of the attaching parts are listed in the same column as the name of the item that they attach.

The quantity shown in the "Units per Assembly" column for a part or assembly is the total required for the next higher assembly for that particular model aircraft.

Detail parts for left and right hand assemblies are listed together. Quantities shown are for one assembly only.

The part number column carries Bellanca's part number. Commercial attaching parts are indicated by Army-Navy (AN) part number or, in some cases, the manufacturer's number (reference will be made to manufacturer's name) unless such a part has been altered by Bellanca; then it carries Bellanca's number.

Items marked "CF" (contact factory) are those items which may be of such variation or availability that the factory should be consulted.

The aircraft model designation is coded in the "units per ass'y" headings and is to be interpreted as follows:

- CA — Parts applicable to Model 7ECA
- AA — Parts applicable to Model 7GCAA
- BC — Parts applicable to Model 7GCBC
- AB — Parts applicable to Model 7KCAB

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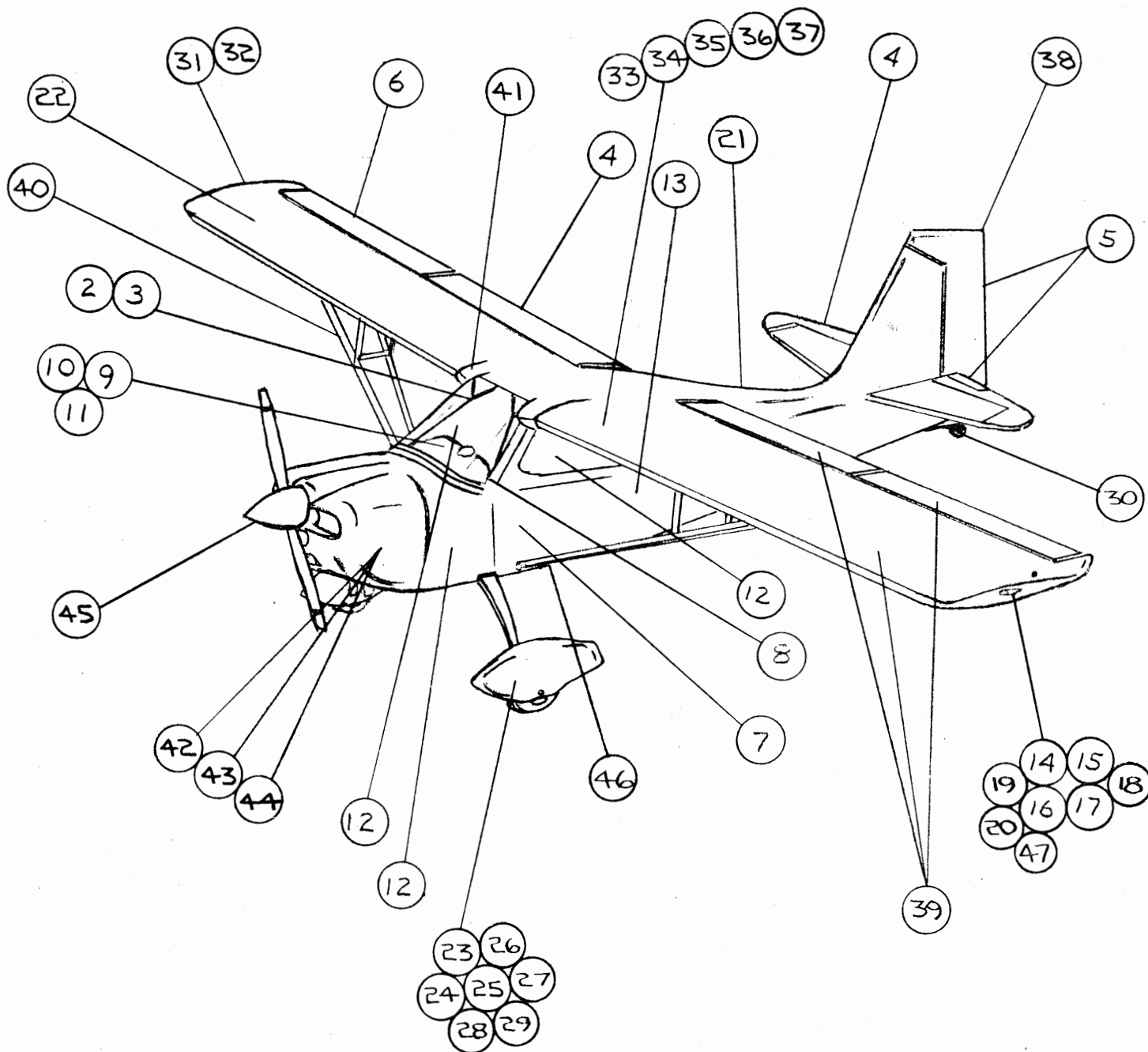


FIGURE 1. GENERAL VIEW - INDEX ILLUSTRATIONS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
2-	7-1290 7-1310	DRAWING - ASSEMBLY FUSELAGE FRAME DRAWING - ASSEMBLY LOWER TRUSS		
1	7-1290-1	TUBE	1L/1R	1L/R
2	7-1290-18	TUBE	1L/1R	1L/R
3	7-1290-37	TUBE	1	1
4	7-1290-45	TUBE	1	1
5	7-1290-19	TUBE	1L/1R	1L/R
6	7-1290-38	TUBE	1	1
7	7-1290-10	TUBE	1L/1R	1L/R
8	7-1290-46	TUBE	1L/1R	1L/R
9	7-1290-79	TUBE	1	1
10	2-1949	TUBE ASSEMBLY - "U" BOLT ATTACH	1L/1R	1L/R
11	4-1453	ASSEMBLY - LOWER CABANE TRUSS	1	1
12	4-1484	FAIRING TUBE - WRAPAROUND	1	1
13	7-1290-20	TUBE	1L/1R	1L/R
14	7-1290-94	TUBE	1L	1L
15	7-1290-70	TUBE (-68 AND -70 PURCHASED AS ONE)	1	1
	7-1290-68	TUBE (-68 AND -70 PURCHASED AS ONE)	1	1
16	7-1290-62	TUBE	1	1
17	7-1290-210	TUBE	1L/1R	1L/R
18	7-1310-206	TUBE	1L/1R	1L/R
19	7-1310-205	TUBE	1L/1R	1R
	7-1310-1	ROD (REPLACES 205 LEFT SIDE MODEL 7GCBC)		1
20	7-1290-207	TUBE	1L/1R	1L/R
21	7-1290-39	TUBE	1	1
22	7-1290-2	TUBE	1L/1R	1L/R
23	7-1290-42	TUBE	1L/1R	1L/R
24	7-1290-41	TUBE	1L/1R	1L/R
25	7-1290-40	TUBE	1L/1R	1L/R
26	1-2625	TUBE ASSEMBLY	1	1
27	3-1394-3	TUBE	2	2
28	3-1394-4	TUBE	1	1
29	3-1394-2	TUBE	1	1
30	7-1290-238	TUBE	2	2
31	7-1290-237	TUBE	2	2
32	7-1290-49	TUBE	1	1
33	7-1290-66	TUBE	1	1
34	7-1290-67	TUBE (-67 AND -71 PURCHASED AS ONE)	1	1
	7-1290-71	TUBE (-67 AND -71 PURCHASED AS ONE)	1	1
35	7-1290-69	TUBE	1	1
36	7-1290-23	TUBE	1	1
37	7-1290-22	TUBE	1	1
38	7-1290-51	TUBE	1	1

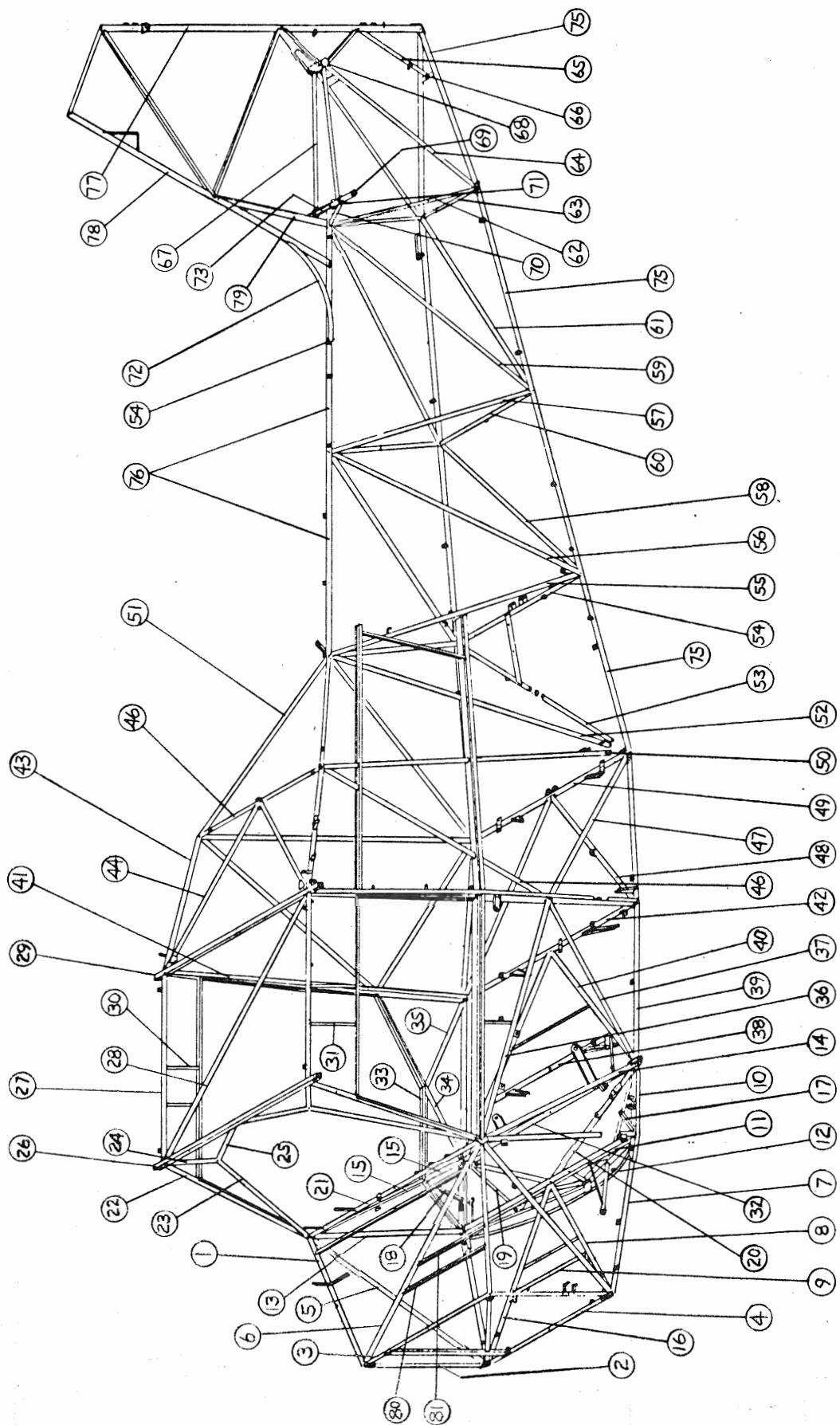


FIGURE 2. ASSEMBLY - FUSELAGE FRAME TUBES

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
2-39	7-1290-12	TUBE	1L/1R	1L/R
40	7-1290-50	TUBE	1L/1R	1L/R
41	5-139	CHANNEL	1L/1R	1L/R
42	7-1290-52	TUBE	1	1
43	7-1290-4	TUBE	1L/1R	1L/R
44	7-1290-43	TUBE	1L/1R	1L/R
45	7-1290-44	TUBE	1	1
46	7-1290-27	TUBE	1L/1R	1L/R
47	7-1290-26	TUBE	1L/1R	1L/R
48	7-1290-53	TUBE	1L/1R	1L/R
49	7-1290-54	TUBE	1	1
50	7-1290-28	TUBE	1L/1R	1L/R
51	7-1290-5	TUBE	1L/1R	1L/R
52	7-1290-29	TUBE	1L/1R	1L/R
53	7-1290-55	TUBE	1	1
54	7-1290-56	TUBE	1	1
55	7-1290-30	TUBE	1L/1R	1L/R
56	7-1290-31	TUBE	1L/1R	1L/R
57	7-1290-32	TUBE	1L/1R	1L/R
58	7-1290-57	TUBE	1	1
59	7-1290-33	TUBE	1L/1R	1L/R
60	7-1290-58	TUBE	1	1
61	7-1290-59	TUBE	1	1
62	7-1290-34	TUBE	1L/1R	1L/R
63	7-1290-60	TUBE	1	1
64	7-1290-35	TUBE	1L/1R	1L/R
65	7-1290-36	TUBE	1	1
66	7-1290-61	TUBE	1	1
67	7-1290-9	TUBE	1L/1R	1L/R
68	7-1290-76	TUBE	1	1
69	7-1290-73	TUBE	1	1
70	7-1290-8	TUBE	1L/1R	1L/R
71	7-1290-78	RING	2	2
72	7-1290-202	TUBE	1	1
73	7-1290-203	TUBE	1	1
74	7-1290-204	TUBE	1	1
75	7-1290-13	TUBE	1L/1R	1L/R
	THRU - 17			
76	7-1290-6	TUBE	1	1
	AND - 7			
77	7-1255-1	TUBE ASSEMBLY	1	1
78	7-1255-3	TUBE	1	1
79	7-1255-2	TUBE	1	1
80	1-10117-2	TUBE TANK SUPPORT (7KCAB)	1	
81	1-10117-2	TUBE TANK SUPPORT (7KCAB)	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	BC
			UNITS PER ASS'Y	
3-	7-1290	DRAWING - FUSELAGE FRAME		
1	1-624	FITTING - ENGINE MOUNT	4	4
2	2-1946	BRACKET - BATTERY MOUNT (7ECA)	1	
3	1-9959	BRACKET - FUEL SHUTOFF	2	2
4	1-2278	LUG - RUDDER PEDAL SPRING	2	2
5	AS1-10058-0-20	BUSHING - RUDDER PEDAL OUT' BRD	4	4
	1-2334	BUSHING - RUDDER PEDAL IN' BRD FW'D	2	2
6	1-10016	BUSHING - BRAKE PEDAL (FRONT)	2	2
7	1-2476-2	LUG - BRAKE PEDAL (FRONT & REAR)	4	4
8	1-9918-2	ANGLE - FLOORBOARD ATTACH	1	1
9	1-2270	LUGS - FLOORBOARD ATTACH	14	14
10	1-2359	ANGLE - RADIO SUPPORT	1	1
11	1-10056	LUG - RADIO SUPPORT	1	1
12	1-10055	LUG - RADIO SUPPORT	1L/1R	1L/R
13	AS1-12058-0-16	BUSHING - PRIMER ATTACH	1	1
14	1-2451	LUG - CONTROL ATTACH	4	4
15	1-2463-1	LUG - PANEL ATTACH	1	1
16	2-1551	SUPPORT - PANEL ATTACH	1	1
17	1-9937	BRACKET - FUEL SHUTOFF ROD	1	1
18	1-2629	CLIP - WRAPAROUND ATTACH	4	4
19	2-2028	BRAKE SUPPORT ASSEMBLY (GERDES)	2	2
20	4-1484	FAIRING TUBE	1	1
21	1-2265	PLATE - FAIRING TUBE ATTACH	1	1
22	1-9998	FAIRING - LANDING GEAR OPENING	1L/1R	1L/R
23	1-2451-2	LUG - BRAKE LINE ATTACH	2	2
24	1-9837	BUSHING - "U" BOLT ATTACH	4	4
25	1-9054	STOP - FLAP		1
26	1-2286	DOOR RELEASE SUPPORT	1	1
27	1-2278	LUG - DOOR HINGE	4	4
28	1-2270	CLIP - TOP FAIRING ATTACH	4	4
	2-930-3	LUG - FAIRING ATTACH (GR'NHOUSE) FWD	2	2
	2-930-1	LUG - FAIRING ATTACH (GR'NHOUSE) REAR	2	2
29	1-2817	LUG - FAIRING ATTACH (GREENHOUSE)	4	4
30	2-930-2	LUG - FAIRING ATTACH (GREENHOUSE)	2	2
31	1-2683	LUG - CABIN SPEAKER ATTACH	2	2
32	1-9988	SUPPORT - ELEC. - PANEL (FW'D)	1	1
	7-1290-201	STUD - ELEC. - PANEL (AFT)	1	1

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	BC
			UNITS PER ASS'Y	
3-33	1-9931	DOOR CHANNEL TOP	1	1
	1-9933	DOOR CHANNEL AFT	1	1
	1-9930	DOOR CHANNEL LOWER AFT	1	1
	1-9928	DOOR CHANNEL LOWER	1	1
	1-9928	DOOR CHANNEL LOWER - FW'D	1	1
	2-1879	DOOR CHANNEL FORWARD	1	1
34	2-1948	WINDOW CHANNEL (UPPER)	1	1
	1-9859	WINDOW CHANNEL (FW'D)	1	1
	2-1955	WINDOW CHANNEL (LOWER)	1	1
	1-9861	WINDOW CHANNEL (AFT)	1	1
	1-10050	CLIP - WINDOW HINGE (FW'D)	1	1
35	1-2269	ANGLE - WINDOW BRACE	1	1
36	1-9913	ANGLE - SIDE PANEL ATTACH	3	3
37	1-2683	CLIP - TRIM TAB PANEL ATTACH	2	2
38	2-714-3	BRACKET THROTTLE - ATTACH - FW'D	1	1
	2-714	BRACKET THROTTLE - ATTACH - AFT	1	1
39	2-1904	BRACKET TRIM TAB ATTACH	1	1
40	1-2263	FITTING - STRUT ATTACH	4	4
	1-2265	PLATE - SHEAR - STRUT FITTING	2	2
41	1-2451	LUG - RUDDER PEDAL SPRING	2	2
42	1-9038-1	LUG - FLAP HANDLE LEFT		1
	1-9038-2	LUG - FLAP HANDLE RIGHT		1
	1-9064-1	LUG - CATCH PLATE FW'D		1
	1-9064-2	LUG - CATCH PLATE AFT		1
	1-9055	FITTING - FLAP HANDLE STOP		1
43	1-2271	LUG - SEAT ATTACH FW'D	4	4
44	1-9905	SUPPORT ASSEMBLY RUDDER PEDAL	1L/1R	1L/R
45	4-588	STEP ASSEMBLY - CABIN	1	1
46	1-9918-1	CHANNEL - FLOORBOARD ATTACH	1	1
47	2-711	BRACKET - STRINGER ATTACH	4	4
48	2-810	BRACKET - AILERON BELLCRANK ATTACH	1L/1R	1L/R
	2-811	BRACKET - AILERON BELLCRANK ATTACH	1L/1R	1L/R
49	1-8979	SUPPORT - FLAP CABLE FAIRLEAD		1
50	1-2476-5	LUG - FLAP PULLEY SUPPORT		2
51	1-2267	LUG - SEAT ATTACH REAR	4	4
52	2-930-4	LUG - SIDE RETAINER ATTACH	6	6
53	1-2588	BRACKET - STRINGER ATTACH SIDE	2	2
54	2-1876	CHANNEL REAR WINDOW (TOP)	1L/1R	1L/R
	1-9919	CHANNEL REAR WINDOW (AFT)	1L/1R	1L/R
	2-1875	CHANNEL REAR WINDOW (BOTTOM)	1L/1R	1L/R

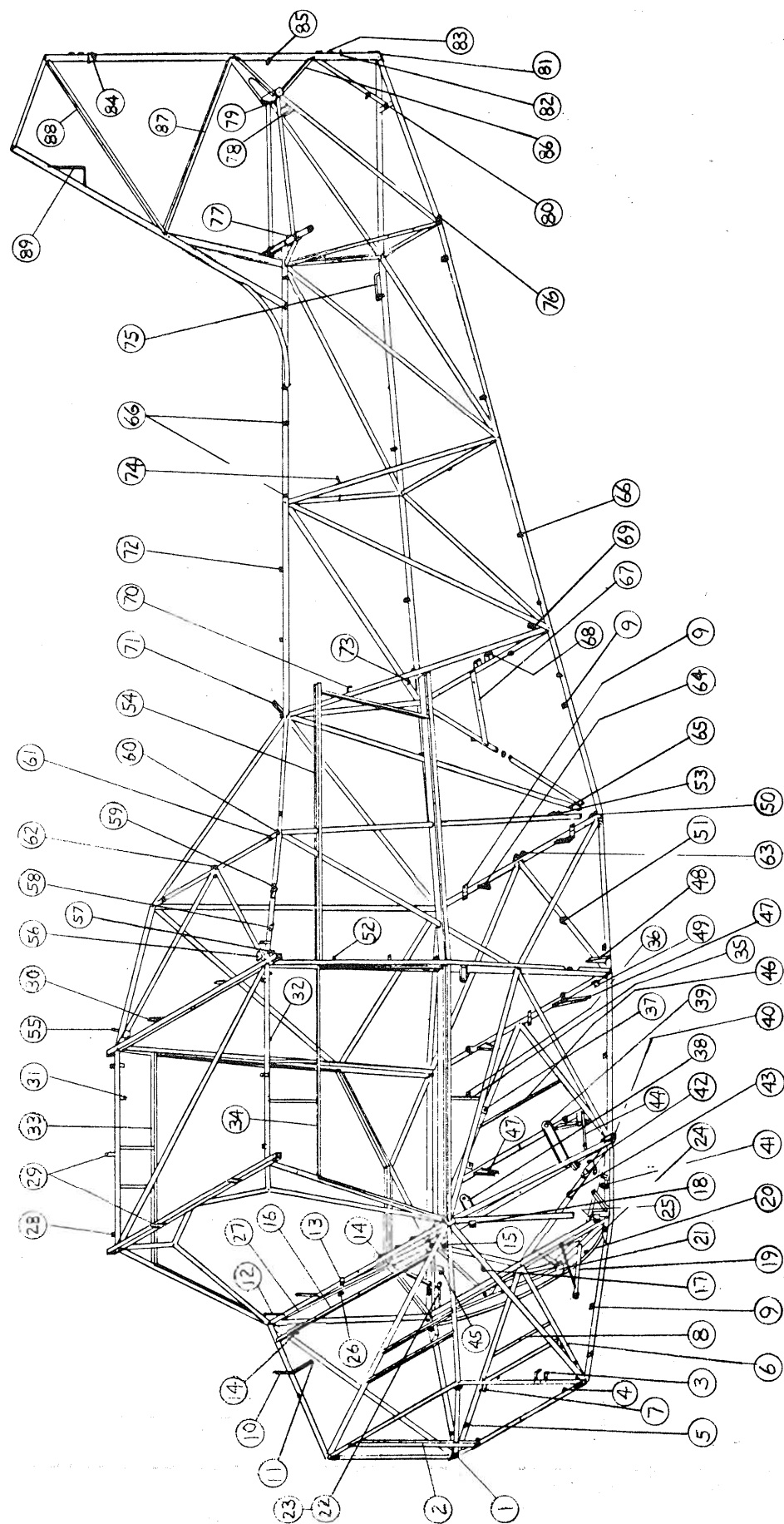


FIGURE 3. ASSEMBLY - FUSELAGE FRAME FITTINGS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	BC
			UNITS PER ASS'Y	
3-55	2-930-1	CLIP - FAIRING ATTACH	2	2
56	1-2468	SUPPORT - FLAP CABLE FAIRLEAD		2
57	1-2276	BRACKET - AILERON PULLEY	4	4
58	1-9037	BRACKET - FLAP TORQUE TUBE BEARING		1L/1R
59	2-1597	SUPPORT - FLAP CABLE PULLEY		1L/1R
60	1-9816	CLIP - GAP COVER ATTACH	2	2
61	1-2476-5	LUG - FLAP CABLE PULLEY	2	2
62	1-2270	CLIP - FAIRING ATTACH	1	1
63	1-2476-3	LUG - RUDDER PULLEY ATTACH	2	2
64	1-2272	SUPPORT - STRINGER ATTACH	2	2
65	1-2539-1	STUD - RUDDER PULLEY	2	2
66	1-2273	CLIP - BULKHEAD ATTACH	23	23
67	2-1901	BRACKET - BATTERY ATTACH (REAR)	1	1
68	1-2476-3	LUG - RUDDER PULLEY ATTACH	4	4
69	3-1133-1	TUBE - FLAP CABLE PULLEY (REAR)		1
	ASI-7065-0-28	BUSHING		1
70	1-9816	CLIP - FUEL MANIFOLD SUPPORT	1	1
71	3-1132-1	TUBE - FLAP CABLE PULLEY (TOP)		1
	ASI7065-1-8	BUSHING		1
72	1-2398-2	CLIP - BULKHEAD ATTACH	3	3
73	1-2451	LUG - BATTERY GROUND	1	1
74	1-2539-5	STUD - TRIM TAB PULLEY	1	1
75	1-753	HANDLE - FUSELAGE LIFT	1	1
76	1-8318	LUG - DRAG WIRE ATTACH	2	2
77	1-2276-1	LUG - ELEVATOR PULLEY ATTACH	2	2
78	1-9882	BRACKET - FAIRLEAD ELEV. CABLE	1	1
79	1-2710	STUD - TRIM TAB CABLE	1	1
80	ASI8058-1-16	BUSHING - TAILWHEEL	1	1
81	1-2318	SKID - TAILWHEEL ATTACH	1	1
82	1-2363	STOP - RUDDER	2	2
83	1-10015	BUSHINGS - RUDDER ATTACH	4	4
84	1-2308-1	FITTING - DRAG WIRE ATTACH	1	1
85	1-2538	STOP - ELEVATOR	1	1
86	2-680	BRACKET - STAB. ATTACH	2	2
87	2-684-8	RIB - FIN	1	1
88	2-684-10	RIB - FIN	1	1
89	1-9912	BRACKET ANTENNA	1	1

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER	ASS'Y
4-	7-1095 7-441	DRAWING - INSTALLATION ELEVATOR DRAWING - INSTALLATION CONTROL SYSTEM AILERON AND ELEVATOR		
1	1-2599	BEARING BLOCK - TORQUE TUBE	4	4
2	AN4-30A	BOLT	2	2
3	AN4-27A	BOLT	2	2
4	AN960-416	WASHER	19	19
5	AN365-428	NUT	10	10
6	2-816	TORQUE TUBE	1	1
7	2-705	STICK SOCKET	2	2
8	AN6-25	BOLT	2	2
9	1-2550	BUSHING	4	4
10	AN945-6P	WASHER	4	4
11	AN310-6	NUT	2	2
12	AN380-3-3	COTTER KEY	2	2
13	4-573	STICK	2	2
	1-2401-1	GRIP - STICK	2	2
14	AN3-15A	BOLT	2	2
15	AN365-1032	NUT	12	12
16	1-2383	TUBE CONNECTING	1	1
17	AN24-16	BOLT	7	7
18	AN320-4	NUT	9	9
19	AN380-2-2	COTTER KEY	16	16
20	1-2356	LINK	1	1
21	AN23-10	BOLT	1	1
22	AN320-3	NUT	1	1
23	2-1534	CABLE ASSEMBLY - DOWN ELEVATOR	1	1
24	3-1072	CABLE ASSEMBLY - UP ELEVATOR	1	1
25	2-817	CASTING - TORQUE ARM	1	1
26	AN386-3-10A	TAPER PIN	2	2
27	AN975-4	WASHER	2	2
28	AN24-12	BOLT	1	1
29	AN24-11	BOLT	2	2
30	1-2669	BUSHING	1	1
31	AN4-7	BOLT	1	1
32	AN310-4	NUT	6	6
33	AN3-11A	BOLT	1	1
34	AN960-10	WASHER (ADD WASHERS AS NECESSARY TO OBTAIN TRAVEL)	AS REQ'D	AS REQ'D
35	MS24566-3B	PULLEY	4	4
36	1-10227	GUARD	4	4
37	AN4-11A	BOLT	2	2
38	AN4-15A	BOLT	1	1
39	A120	PULLEY	3	3
40	1-2653-1	BUSHING	3	3
41	AN4-10	BOLT	3	3
42	AN380-4-4	COTTER KEY	3	3
43	1-2396	FAIRLEAD	5	5
44	AN3-4A	BOLT	2	2
45	1-2573	GUARD	2	2
46	AN515-8-14	SCREW	2	2
47	AN365-832	NUT	2	2

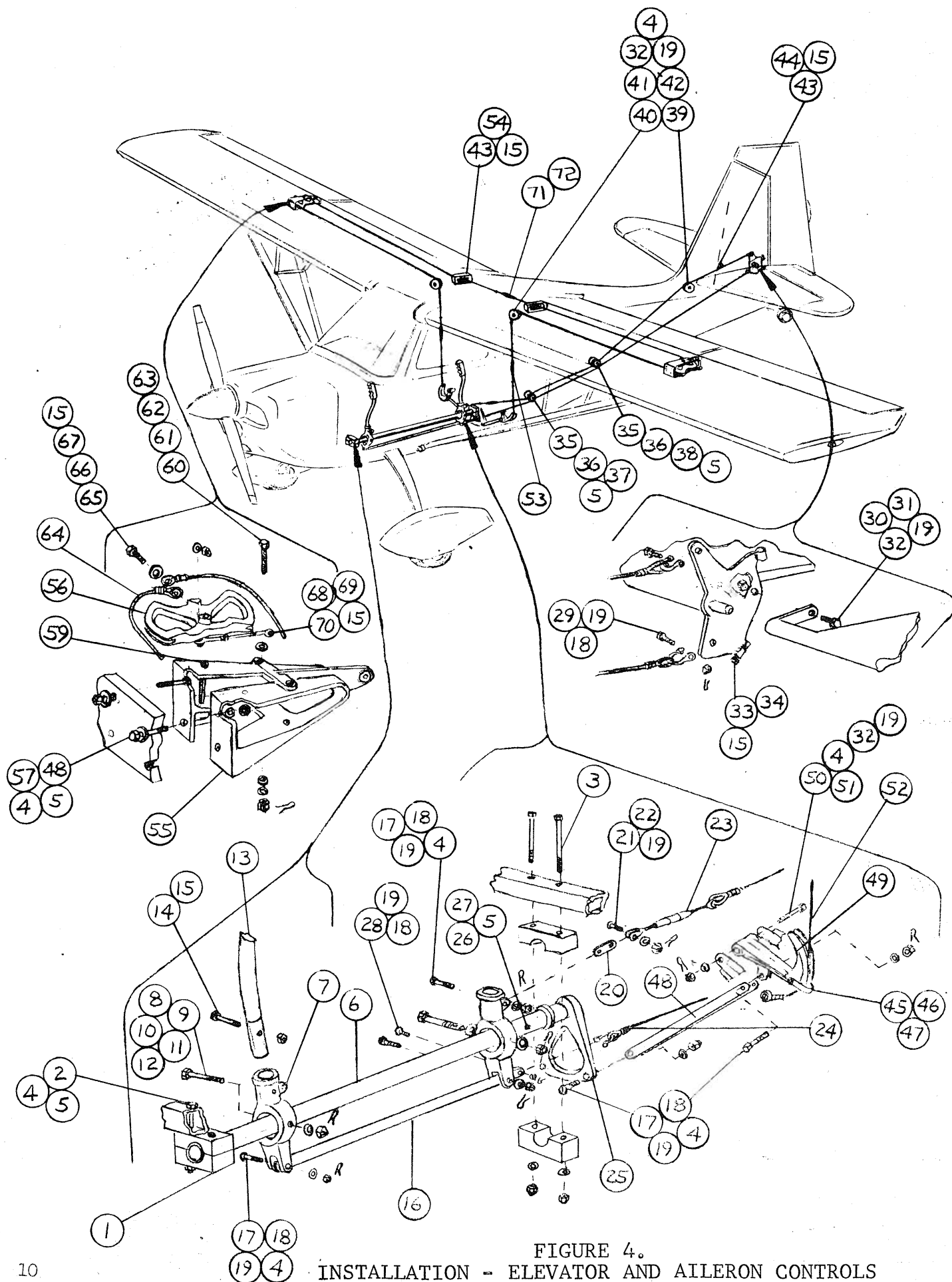


FIGURE 4.
INSTALLATION - ELEVATOR AND AILERON CONTROLS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
4-48	1-2355	STRAP	4	4
49	2-815-1	CASTING - AILERON CONTROL SECTOR	1L/1R	1L/1R
50	AN4-22	BOLT	2	2
51	1-2719	BUSHING	2	2
52	1-2397	CABLE ASSEMBLY	2	2
53	AN150-22S	TURNBUCKLE (AILERON SIDE)	2	2
	AN23-10	BOLT (TURNBUCKLE ATTACH)	2	2
	AN320-3	NUT (TURNBUCKLE ATTACH)	2	2
	AN380-2-2	COTTER KEY (TURNBUCKLE ATTACH)	2	2
54	AN3-6A	BOLT	4	4
55	3-528	ASSEMBLY - AILERON HINGE BRACKET	2	2
56	3-1123	ASSEMBLY - AILERON CONTROL SECTOR	2	2
57	AN4-14A	BOLT	4	4
58	AN970-4	WASHER	4	4
59	AN380-6-10	COTTER KEY	2	2
60	AN5-27	BOLT	2	2
61	AN960-516	WASHER	10	10
62	AN310-5	NUT	2	2
63	AN380-2-3	KEY	2	2
64	1-2339	CABLE ASSEMBLY	4	4
65	AN3-14A	BOLT	2	2
66	AN970-3	WASHER	2	2
67	AN960-10	WASHER	2	2
68	1-2341	PUSHROD ASSEMBLY	2	2
69	1-2518	BUSHING	2	2
70	AN23-22A	BOLT	2	2
71	AN150-22S	TURNBUCKLE (AILERON TOP CABIN)	1	
72	AN150-22L	TURNBUCKLE (AILERON TOP CABIN)		1
		7GCBC ONLY		
	AN23-10	BOLT (TURNBUCKLE ATTACH)	2	2
	AN320-3	NUT (TURNBUCKLE ATTACH)	2	2
	AN380-2-2	COTTER KEY (TURNBUCKLE ATTACH)	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	CB
			UNITS PER ASS'Y	
5-	7-441	DRAWING - INSTALLATION CONTROL SYSTEM (RUDDER)		
	7-1294	DRAWING - INSTALLATION TRIM TAB		
1	4-1408	PLATE - SUPPORT	1	1
2	AN526-832-6	SCREW	2	2
3	C-420-832-1	TINNERMAN NUT	2	2
4	2-1909	QUADRANT	1	1
	2-1911	PLACARD - QUADRANT	1	1
5	AN515-B8-16	SCREW	2	2
6	1-9737-1	NUT	2	2
7	2-720	CONTROL ARM	1	1
	1-9186	KNOB	1	1
8	AN4-10	BOLT	1	1
9	AN960-416L	WASHER (UNDER BOLT HEAD)	1	1
10	AN931-4-16	GROMMET (RUBBER)	1	1
11	1-2380	PLATE (FRICTION STOP)	1	1
12	1-2381	WASHER - LEATHER	2	2
13	AN380-2-2	PIN	7	7
14	AN115-16	SHACKLE	2	2
15	AN23-9	BOLT	2	2
16	AN320-3	NUT	2	2
17	2-1905	CABLE ASSEMBLY	2	2
18	WSI-B-4D	BUSHING (CABLE RUB GROMMETS)	2	2
19	WSI-B-4A	BUSHING (CABLE RUB GROMMETS)	2	2
20	1-2395	PULLEY	6	6
21	1-2759	BUSHING	3	3
22	1-2399	GUARD	3	3
23	AN960PD-516L	WASHER	6	6
24	AN310-4	NUT	2	2
25	AN364-428	NUT	1	1
26	AN23-8	BOLT	2	2
27	AN320-3	NUT	2	2
28	1-769	SPRING	2	2
29	1-2568	SPRING	2	2
30	3-448	RUDDER PEDAL	4	4
31	1-2411	BEARING	4	4
32	AN380-4-4	COTTER KEY	4	4
33	1-2280	CABLE ASSEMBLY	2	2
34	AN23-9	BOLT	6	6
35	AN320-3	NUT	10	10
36	AN380-2-2	KEY	12	12
37	AN23-10	BOLT	4	4
38	1-8844-1	PLATE	4	4
39	1-2364	CABLE ASSEMBLY	2	2
40	MS24566-3B	PULLEY	2	2
41	1-10227	GUARD	2	2
42	AN310-4	NUT	2	2
43	2-1878	GUARD - RUDDER CABLE	1L/1R	1L/1R
44	3-485	COVER	2	2
	AS6-4-6SS	SCREW - ATTACHMENT	10	10

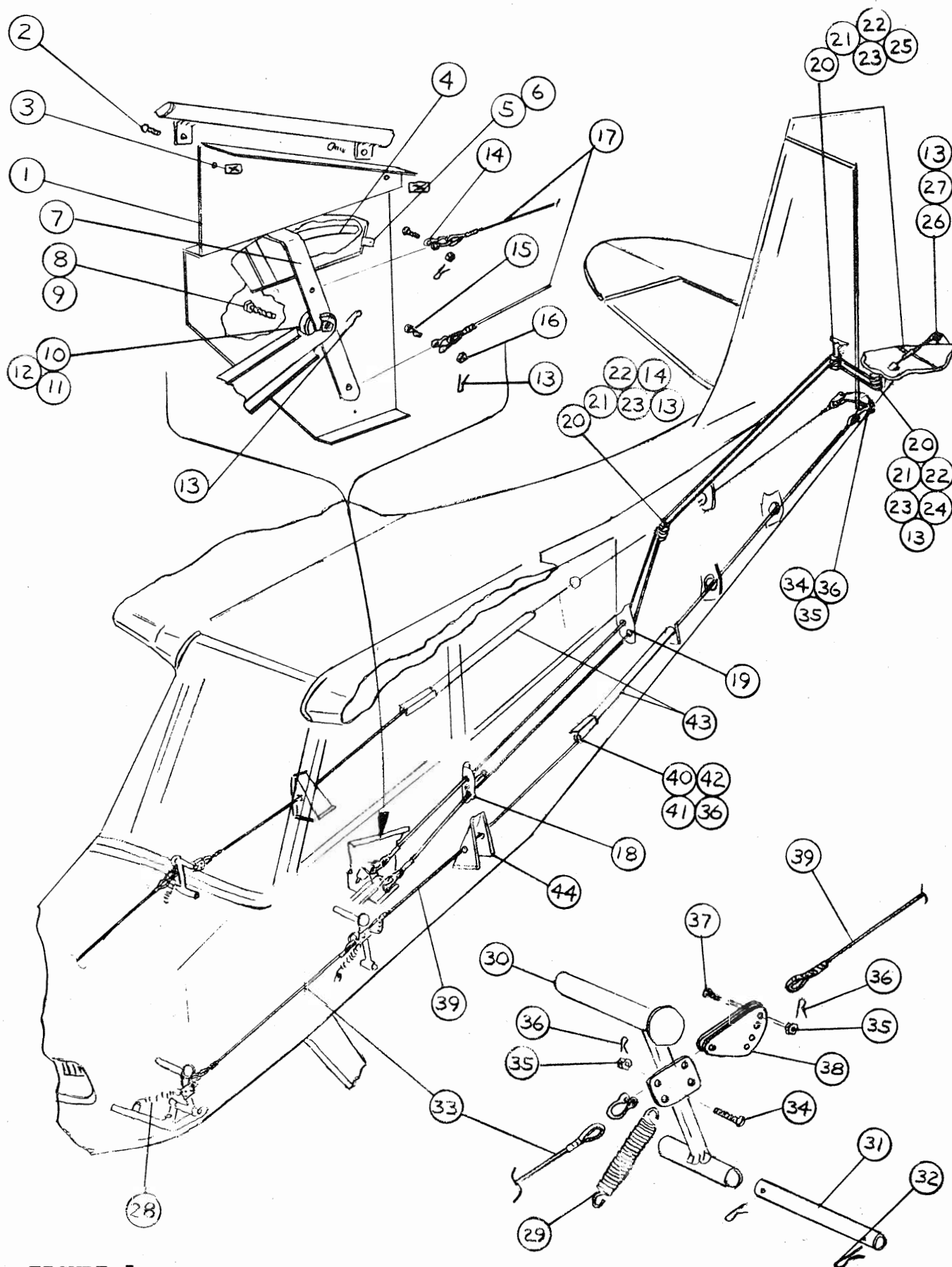


FIGURE 5. INSTALLATION - RUDDER AND TRIM TAB CONTROLS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
				BC
			UNITS PER	ASS'Y
6-	7-1131	DRAWING - INSTALLATION CONTROL SYSTEM - FLAP		
1	AN3-17A	BOLT		1
2	1-9072	BUSHING		1
3	1-9050	GUARD		1
4	AN23-10	BOLT		1
5	AN380-2-2	COTTER PIN		2
6	AN960-10	WASHER		2
7	AN320-3	NUT		1
8	AN310-4	NUT		1
9	AN365-1032	NUT		1
10	4-1094	HANDLE ASSEMBLY		1
11	AN4-15	BOLT		1
12	AN365-428	NUT		2
13	AN960-416L	WASHER		2
14	1-9018-2	BLOCK		2
15	1-9018-1	BLOCK		2
16	AN4-15A	BOLT		2
17	AN365-1032	NUT		2
18	AN960-10	WASHER		2
19	1-9074	BUSHING		1
20	1-9072	BUSHING (LEFT SIDE ONLY)		1
21	AN3-12A	BOLT (LEFT SIDE ONLY)		1
22	AN960-10L	WASHER (LEFT SIDE ONLY)		1
23	AN365-1032	NUT (LEFT SIDE ONLY)		1
24	1-2573	GUARD		1
25	1-9031	SHIM		4
26	AN3-7A	BOLT		2
27	4-1093	TORQUE TUBE		1
28	AN365-428	NUT		2
29	AN960-416	WASHER		4
30	1-9984	STOP		1
31	ASI6058-0-12C	BUSHING		2
32	AN4-24A	BOLT		2
33	AN3-5A	BOLT		1
34	AN960-10	WASHER		1
35	AN365-1032	NUT		1
36	AN380-2-3	COTTER PIN		2
37	AN310-5	NUT		1
38	AN220-2	PULLEY		2
39	1-2482-2	GUARD		2
40	AN5-22	BOLT		1
41	AN5-17	BOLT		1
42	AN520-10-14	SCREW		2
43	1-2396	FAIRLEAD		2
44	AN365-1032	NUT		2
45	AN380-2-2	COTTER PIN		2
46	AN310-3	NUT		2
47	1-9031	SPACER		4
48	1-9047	PUSH ROD		2
49	AN3-10	BOLT		2
50	AN3-14A	BOLT		1

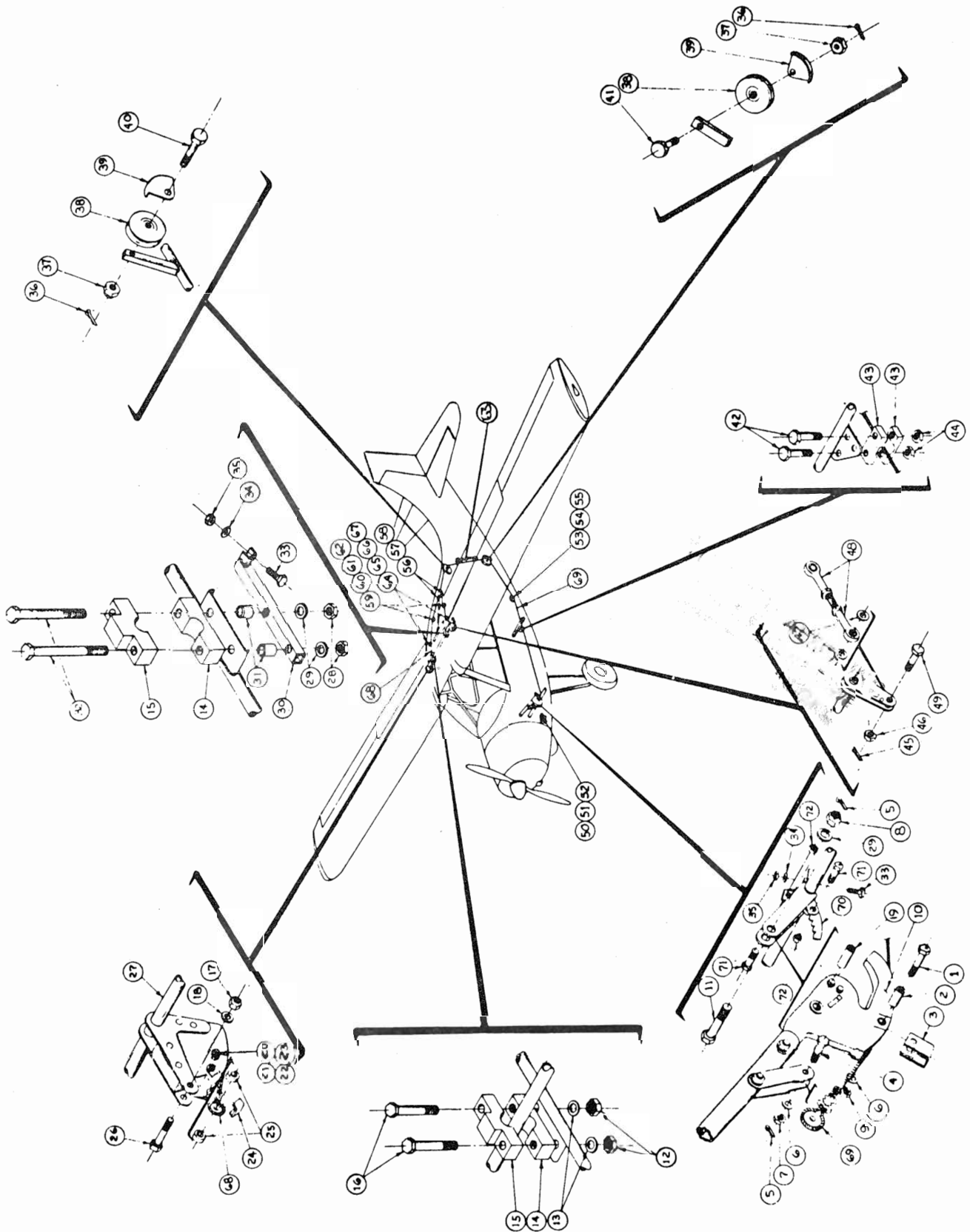


FIGURE 6. INSTALLATION FLAP CONTROLS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
				BC
			UNITS PER	ASS'Y
6-51	AN960-10	WASHER		1
52	AN365-1032	NUT		1
53	1-2395	PULLEY		1
54	1-2636	BUSHING		1
55	1-2398	GUARD		1
	AN4-11	BOLT		1
	AN960-416	WASHER		1
	AN310-4	NUT		1
	AN380-2-2	COTTER PIN		1
56	AN23-10	BOLT		2
57	AN320-3	NUT		2
58	AN380-2-2	COTTER PIN		2
59	1-2395	PULLEY		2
60	1-2636	BUSHING		2
61	1-2398	GUARD		2
62	AN960PD516L	WASHER		2
	AN4-10	BOLT		2
	AN960-416	WASHER		2
	AN310-4	NUT		2
	AN380-2-2	COTTER PIN		2
63	1-9586	SPRING		1
	AN3-4A	BOLT		2
	AN365-1032	NUT		2
	1-9583	ASS'Y		2
64	1-2636	BUSHING		2
65	1-2395	PULLEY		2
66	1-2398	GUARD		2
67	AN960PD516L	WASHER		2
	AN4-17	BOLT		2
	AN310-4	NUT		2
	AN380-2-2	COTTER PIN		2
68	1-9023	CABLE ASSEMBLY		2
69	2-1903	CABLE ASSEMBLY		1
70	1-9061	PLATE		1
71	AN3-4A	BOLT		2
72	AN365-1032	NUT		2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
				BC
			UNITS PER	ASS'Y
7-	4-1094	ASSEMBLY - FLAP HANDLE		1
1	2-1601	RELEASE ASSEMBLY		1
2	AN3-10A	BOLT		2
3	1-8751	BUSHING		2
4	AN393-15	PIN		1
5	AN392-17	PIN		1
6	1-9059	CAM ASSEMBLY		1
7	1-9067	SPRING		1
8	1-9060	CATCH		1
9	AN380-2-2	COTTER PIN		3
10	AN960-4L	WASHER		1
11	AN960-10L	WASHER		1
12	3-1128	SECTOR		1
13	AN365-1032	NUT		2
14	AN960-10	WASHER		2
15	1-2306	LUG		2
16	1-9062	HANDLE		1
17	1-9985	PLACARD		1
	AS6-4-4	SS SCREW		2

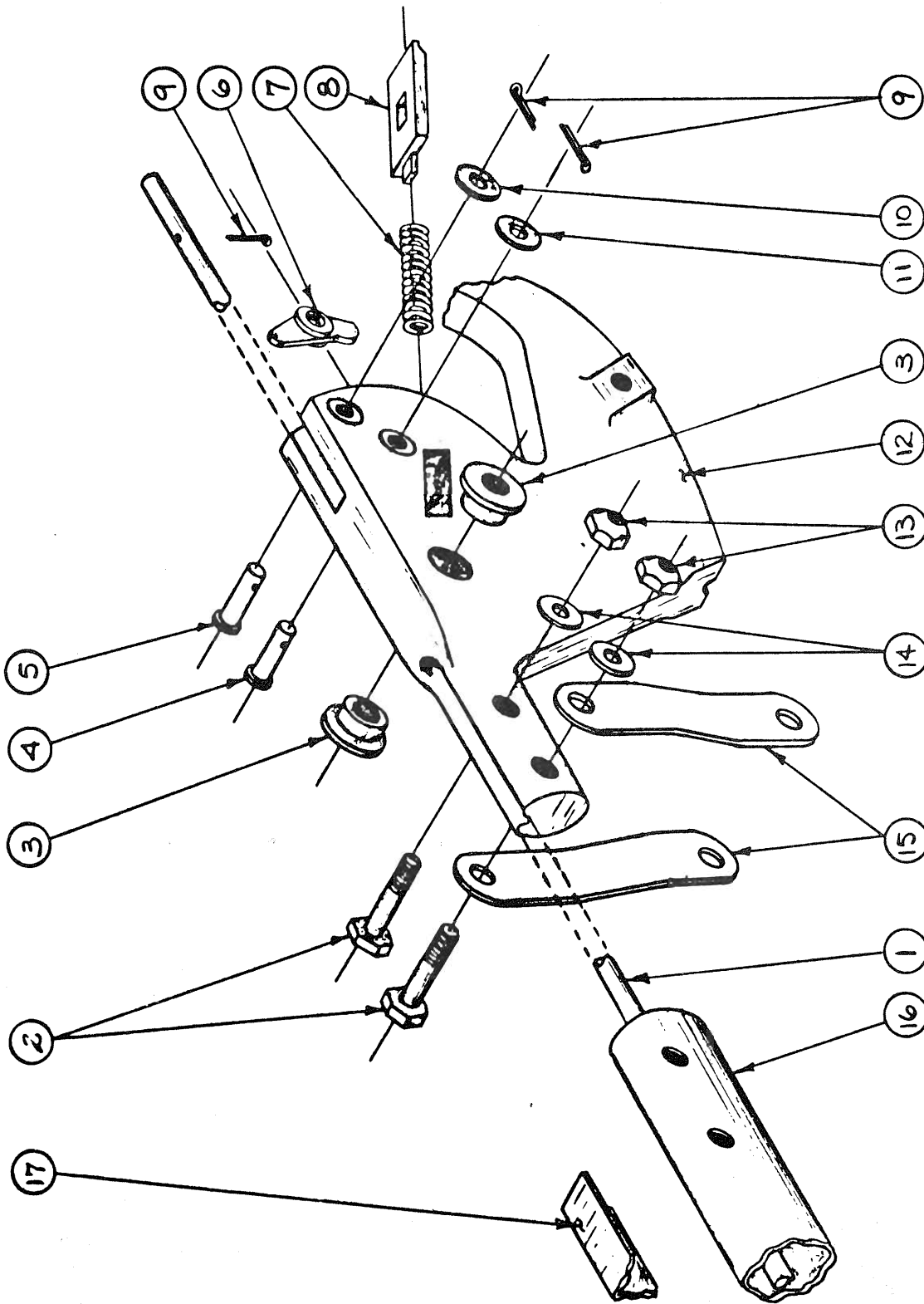


FIGURE 7. ASSEMBLY - FLAP HANDLE

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER	ASS'Y
8-	7-1272	DRAWING - INSTALLATION INSTRUMENT PANEL (HIGH)		
	7-1120	DRAWING - INSTALLATION INSTRUMENT PANEL (LOW)		
	7-1273	DRAWING - INSTALLATION REAR SEAT HEATER (OPTIONAL)		
1	3-1401	SUB-ASSEMBLY THROTTLE & CARB. HEAT CONTROLS (COMPLETE)	1	1
2	1-9940-1	CONTROL ARM - CARB. HEAT	2	2
3	2-715-2	CONTROL ARM - THROTTLE	2	2
4	1-2373	SHAFT - ARM CONNECTING	2	2
5	1-2381	WASHER (LEATHER)	3	3
6	1-2380	PLATE - FRICTION TAB (FRONT ONLY)	1	1
7	AN931-4-16	GROMMET (RUBBER)	2	2
8	AN970-4	WASHER	2	2
9	AN4-11	BOLT (ATTACHMENT) FRONT	1	1
	AN4-10	BOLT (ATTACHMENT) REAR	1	1
	AN960-416	WASHER	2	2
	AN310-4	NUT	2	2
	AN380-2-2	COTTER PIN	2	2
10	AN393-11	PIN (SHAFT ATTACHMENT)	4	4
	AN960-10L	WASHER	4	4
	AN960-10	WASHER	4	4
	AN380-2-2	COTTER PIN	4	4
11	3-1402	CONTROL CABLE (THROTTLE & CARB. HEAT CONTROL)	2	2
12	1-9995	BOLT (CABLE TO ARM ATTACH)	2	2
	AN960-416L	WASHER	2	2
	AN310-4	NUT	2	2
	AN380-2-2	COTTER KEY	2	2

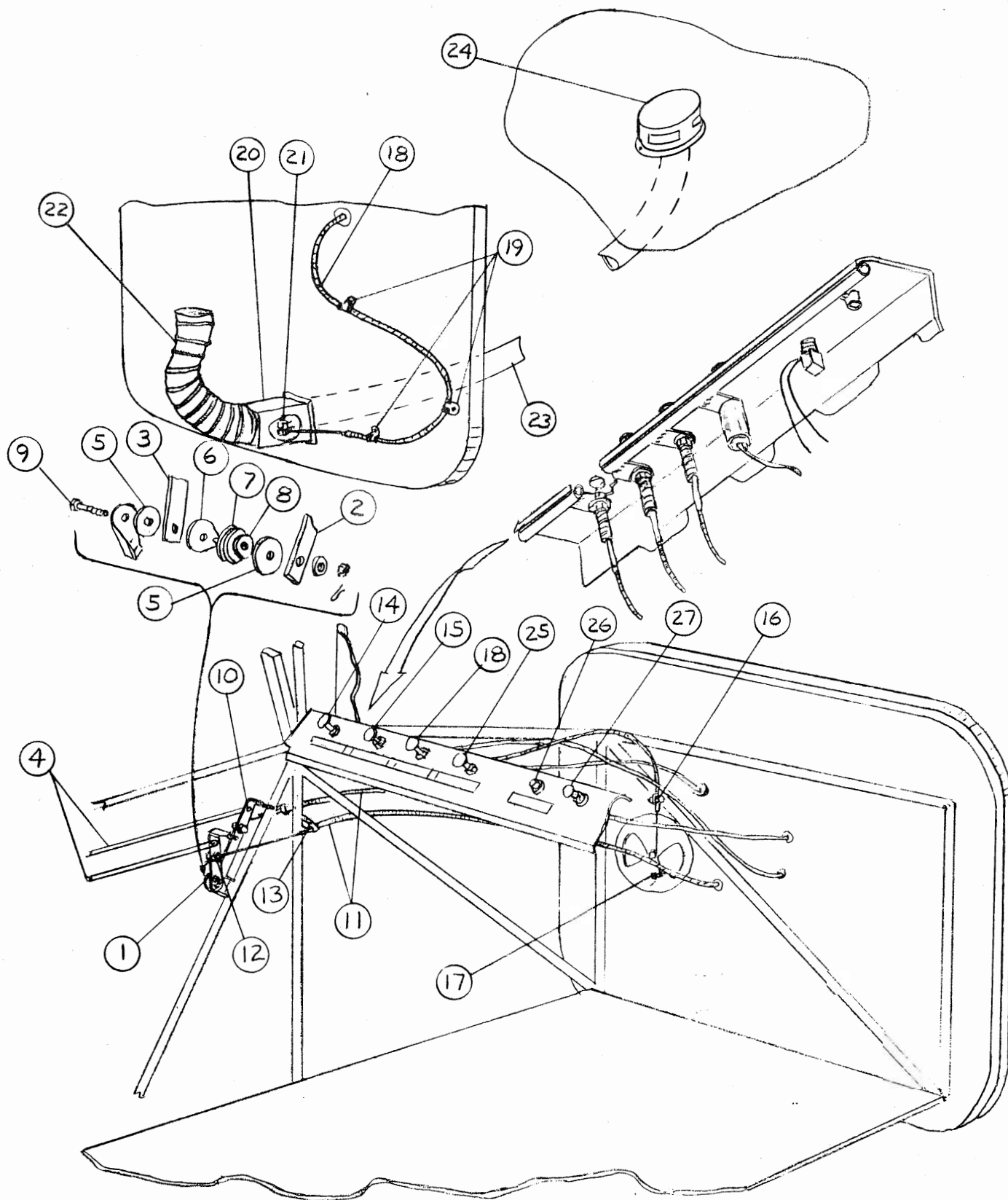


FIGURE 8. INSTALLATION - CABIN CONTROLS
INSTALLATION - REAR SEAT HEATER

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER	ASS'Y
8-13	AN3-3A	BOLT (CABLE TO FRAME ATTACH)	2	2
	AN742-4	CLAMP	2	2
	1-2362	PLATE	2	2
	AN960-10	WASHER	2	2
	AN365-1032	NUT	2	2
14	1-9165-4	MIXTURE CONTROL	1	1
15	1-9165-1	FRONT CABIN HEAT CONTROL	1	1
16	1-2577	SHIM (THROTTLE CONTROL)	1	1
	AN4-4A	BOLT	1	1
	AN365-428	NUT	1	1
17	1-2584	BOLT (CONTROL ATTACH)	1	1
	AN960-10L	WASHER	2	2
	AN365-1032	NUT	1	1
18	1-9165-2	CONTROL REAR SEAT HEATER (OPT.)	1	1
19	MS21919DF4	CLAMP (OPT.)	3	3
	AS6-6-8SS	SCREW (OPT.)	3	3
20	3-1375	VALVE (OPT.)	1	1
	AN515-8-6	SCREW	4	4
	AN365-832	NUT	4	4
21	1-2584	BOLT (CABLE ATTACH) OPT.	1	1
	AN960-10	WASHER	1	1
	AN365-1032	NUT	1	1
22	3-985-2	TUBE (MUFFLER TO VALVE) OPT.	1	1
	5912	CLAMP (HOSE ATTACH)	2	2
23	3-985-22	TUBE (VALVE TO OUTLET) OPT.	1	1
	5912	CLAMP	2	2
24	1-9706-2	OUTLET SHROUD (OPT.)	1	1
	AS6-6-8SS	SCREW (ATTACHMENT)	2	2
	1-3670	FLANGE (HOSE ATTACH - FLOORBOARD	1	1
	AS6-4-6SS	SCREW (FLANGE ATTACH)	2	2
25	1-8981	CIGAR. LIGHTER (OPTIONAL)	1	1
26	1-8980	STARTER BUTTON	1	1
27	2-905	PRIMER PUMP (SEE FUEL SYSTEM)	1	1

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER	ASS'Y
9-	7-1272	DRAWING - INSTALLATION INSTRUMENT		
	7-1120	PANEL (HIGH)		
		DRAWING - INSTALLATION INSTRUMENT		
		PANEL (LOW)		
1	4-1054-3	PANEL - LOWER CONTROL	1	
	4-1054-4	PANEL - LOWER CONTROL		1
2	3-1093	INSTRUMENT PANEL (HIGH)	1	1
	4-1428	INSTRUMENT PANEL (LOW)	1	1
3	AN3-7A	BOLT (PANEL ATTACHMENT)	4	4
	AN970-3	WASHER	8	8
	AN960-10	WASHER	8	8
	AN365-1032	NUT	4	4
4	AN931-3-9	GROMMENT	4	4
5	1-8891	ANGLE - SUPPORT	2	2
6	AN23-10	BOLT	2	2
	AN960-10L	WASHER	4	4
	AN365-1032	NUT	2	2
7	AN931-3-5	GROMMENT	4	4
8	2-1565	RADIO PANEL (HIGH)	1	1
	2-1919	RADIO PANEL (LOW)	1	1
	AS6-4-4SS	SCREW - ATTACHMENT	4	4
9	3-1394-1	COVER - INSTRUMENT PANEL (HIGH)	1	1
	3-1397-1	COVER - INSTRUMENT PANEL (LOW)	1	1
10	AS6-4-80S	SCREW - COVER (ATTACHMENT)	3	3
	7141	FABRIC WASHERS	3	3
11	1-8892	ADAPTER - COMPASS (HIGH PANEL ONLY)	1	1
12	C2400 LP	COMPASS	1	1

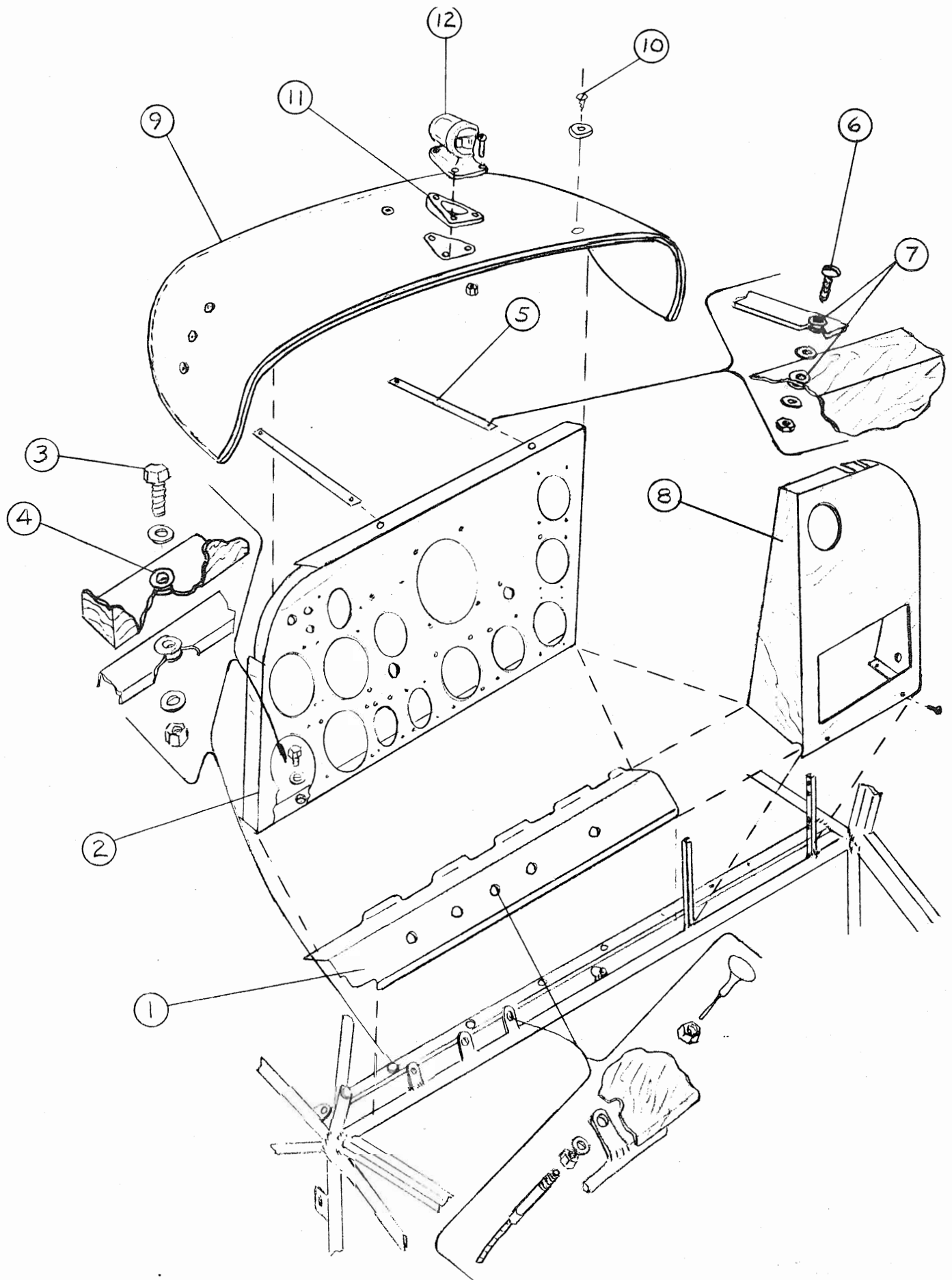


FIGURE 9. INSTALLATION - INSTRUMENT PANELS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER	ASS'Y
10-	7-1120	DRAWING - INSTALLATION INSTRUMENT PANEL		
1	4-1054-3	PANEL - LOWER CONTROL	1	
	4-1054-4	PANEL - LOWER CONTROL		1
2	4-1428	PANEL - INSTRUMENT - LOW	1	1
3	2-1919	PANEL - RADIO - LOW	1	1
4		TACHOMETER (CF)	1	1
	AN515B6-5	SCREW (ATTACHMENT	4	4
		TACHOMETER SHAFT (CF)	1	1
5		AIRSPED INDICATOR (CF)	1	1
	AN515B6-12	SCREW (ATTACHMENT)	4	4
6		ALTIMETER (CF)	1	1
	AN515B6-12	SCREW (ATTACHMENT)	4	4
7	68F	CONNECTOR	2	2
	3/16 x 1/8			
8	71F	TEE FITTING	1	1
	3/16 x 1/8			
9	7-1120-1	LINE - CONNECTING	1	1
10	1-2758-4	LINE - PITOT - (INSTRUMENT TO WING GAP)	2	2
11		FUEL PRESSURE GAGE (CF)		1
12		OIL PRESSURE GAGE (CF)	1	1
13		OIL TEMP. GAGE (CF)	1	1
14		AMMETER (CF)	1	1
15		ASH TRAY (OPTIONAL) (CF)	1	1
16	1-1786	PLACARD (SOLO FRONT SEAT)	1	1
17	1-9963	PLACARD (AEROBATIC LIMITS)	1	
		7ECA 7GCAA		
	1-9105	PLACARD (AEROBATIC LIMITS) 7GCBC	1	
	1-9864	PLACARD (AEROBATIC LIMITS) 7KCAB		1
18	1-9908	PLACARD - CONTROL PANEL	1	1
19	1-10005	PLACARD - STARTER	1	1
20	1-9889-1	PLACARD (COMPASS CAL. RADIO ON)	1	1
	1-9889-2	PLACARD (COMPASS CAL. WITHOUT RADIO)	1	1
21	1-8802-9	COVER - RADIO PANEL	1	1

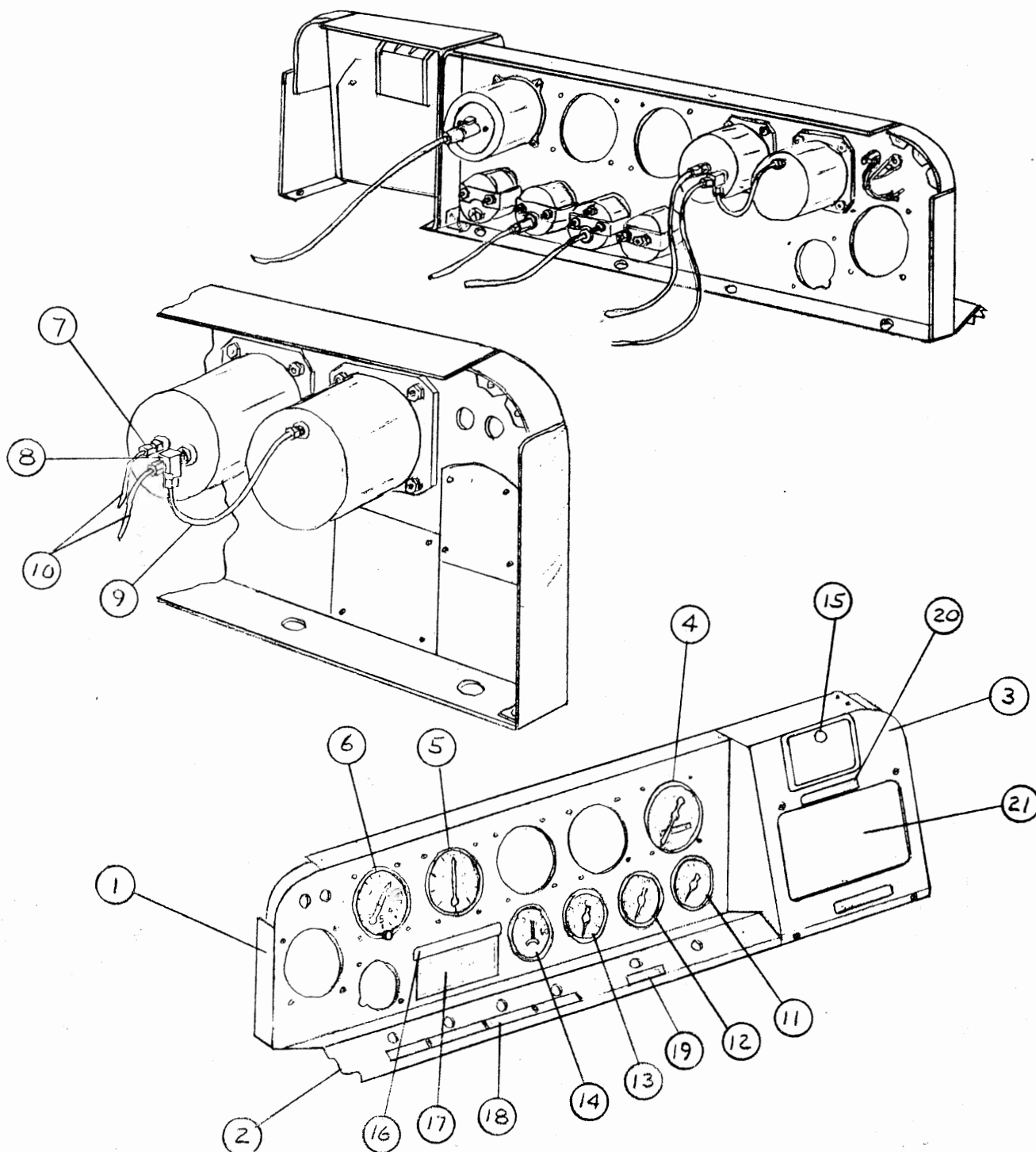


FIGURE 10. INSTALLATION - INSTRUMENTS (LOW PANEL)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
11-	7-1272	DRAWING - INSTALLATION INSTRUMENT PANEL		
1	4-1054-3	PANEL - LOWER CONTROL	1	
	4-1054-4	PANEL - LOWER CONTROL		1
2	3-1093	PANEL - INSTRUMENT - HIGH	1	1
3	2-1565	PANEL - RADIO - HIGH	1	1
4		TACHOMETER (CF)	1	1
	AN515B6-5	SCREW (ATTACHMENT)	4	4
		TACHOMETER SHAFT (CF)	1	1
5		AIRSPPEED - INDICATOR (CF)	1	1
	AN515B6-12	SCREW (ATTACHMENT)	4	4
6		ALTIMETER (CF)	1	1
	AN515B6-12	SCREW (ATTACHMENT)	4	4
7	68F	CONNECTOR	2	2
	3/16 x 1/8			
8	71F	TEE FITTING	1	1
	3/16 x 1/8			
9	7-1272-1	LINE CONNECTING	1	1
10	1-2758-4	LINE - PITOT (INSTRUMENT TO WING GAP)	2	2
11		OIL TEMP. GAGE (CF)	1	1
12		OIL PRESSURE GAGE (CF)	1	1
13		FUEL PRESSURE GAGE (CF)	1	1
14		AMMETER (CF)	1	1
15	1-1786	PLACARD (SOLO FRONT SEAT)	1	1
16	1-9963	PLACARD (AEROBATIC LIMITS)	1	
		7ECA 7GCAA		
	1-9105	PLACARD (AEROBATIC LIMITS) 7GCBC	1	
	1-9864	PLACARD (AEROBATIC LIMITS) 7KCAB		1
17	1-9908	PLACARD - CONTROL PANEL	1	1
18	1-10005	PLACARD - STARTER	1	1
19	1-9889-1	PLACARD (COMPASS CAL. RADIO ON)	1	1
	1-9889-2	PLACARD (COMPASS CAL. WITHOUT RADIO)	1	1
20	1-8802-9	COVER - RADIO PANEL	1	1

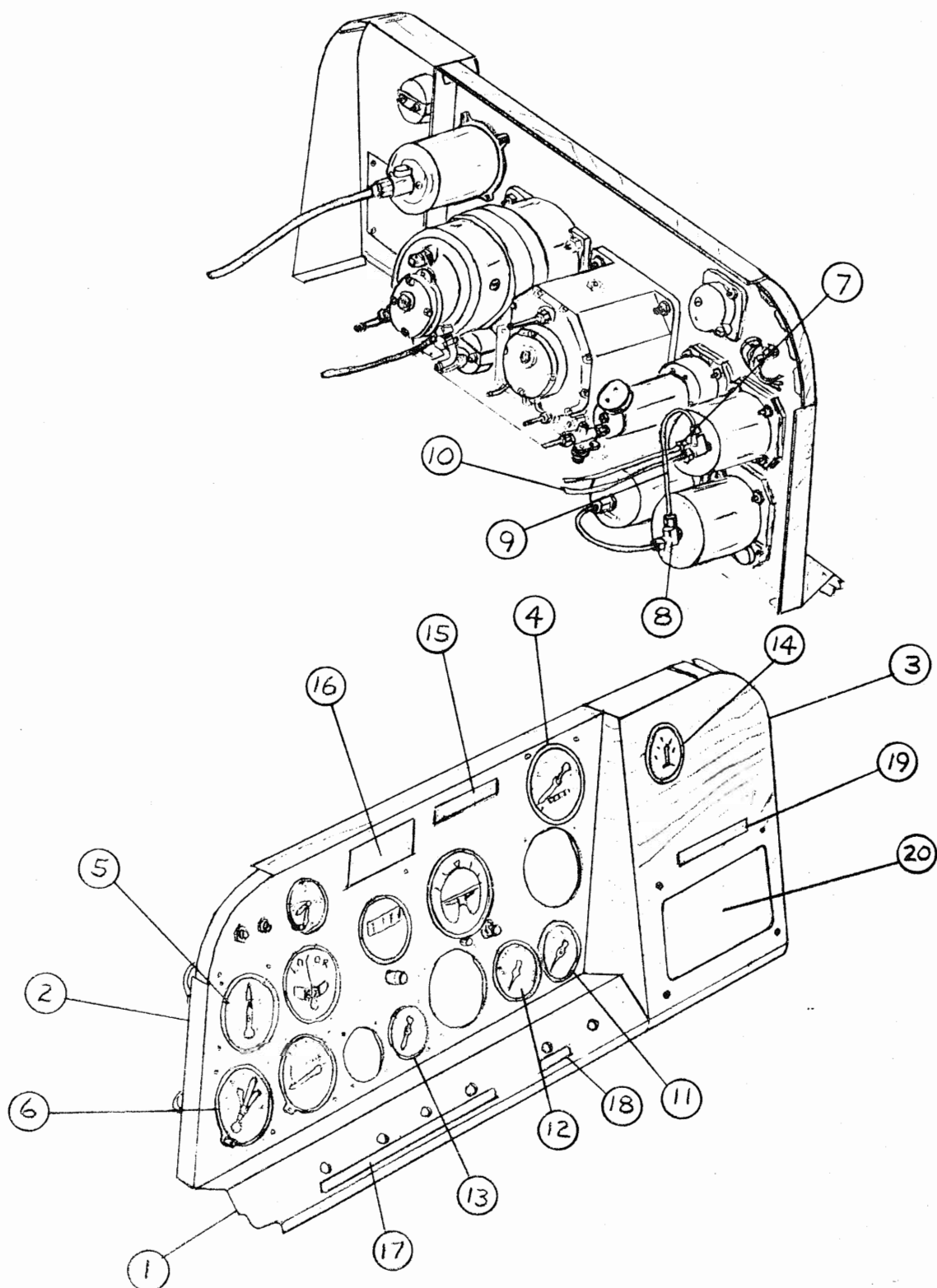


FIGURE 11. INSTALLATION - INSTRUMENTS (HIGH PANEL)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER	ASS'Y
12-	7-1260	DRAWING - INST. FUSELAGE FAIRINGS		
	7-1263	DRAWING - INSTALLATION WINDSHIELD		
	7-1293	DRAWING - INST. FIXED EQUIPMENT		
	4-1388	DRAWING - INSTALLATION CABIN DOOR		
	4-1490	DRAWING - INSTALLATION SIDE WINDOW		
1	7-1270	ASSEMBLY - CABIN DOOR	1	1
	7-1265	FRAME - CABIN DOOR	1	1
		3/8" RUBBER DOOR SEAL	1	1
2	4-1446	WINDOW - CABIN DOOR	1	1
	CH-35	WINDOW SEAL EXTRUSION	1	1
3	1040B	DOOR LATCH ASS'Y	1	1
	2-855-2	HANDLE	1	1
4	1-10115	RETAINER - WINDOW DOOR	1	1
5	3-1369	POCKET - DOOR	1	1
6	C60Z-6222	UPPER DOOR LATCH	1	1
	916A			
	1-9890	PIN	1	1
7	1-2772	BELLCRANK ASS'Y	1	1
	1-2773	HANDLE ASS'Y	1	1
	AN392-17	CLEVIS PIN	1	1
8	1-2177	RING	1	1
	AN415A	PIN	1	1
9	2-928	DOOR PIN	1	1
	AN960-10L	WASHER	1	1
	AN380-2-2	COTTER PIN	2	2
10	1-9951	HINGE DOOR	2	2
11	AN526-1032-	SCREW	4	4
	22			
12	AN960-10L	WASHER	4	4
13	AN365-1032	NUT	4	4
14	1-9924	RIGHT SIDE RETAINER	1	1
15	1-9923-2	LEFT SIDE RETAINER	1	1
16	AN526-832-10	SCREW	6	6
17	C814-832-1	NUT	6	6
18	7-1256-1	RIGHT SIDE WINDOW	1	1
19	7-1256-1	LEFT SIDE WINDOW	1	1
20	4-1486	ASSEMBLY - LEFT WINDOW	1	1
	7-1318	FRAME - SIDE WINDOW	1	1
		3/8" DIA. RUBBER DOOR SEAL	1	1
	1-10043	PLACARD	1	1
21	4-1487	WINDOW	1	1
	CH-35	WINDOW SEAL	1	1
22	1-10115	RETAINER WINDOW	1	1
23	C60Z-6222	HANDLE ASS'Y	1	1
	916-A			
	1-9876	PIN	1	1
	1-9875	STRIKER PLATE - PANEL	1	1
	AS6-6-8SS	SCREW - ATTACH	3	3
24	1-9872	HINGE	1	1
	1601-0410	RIVET	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
12-25	1-9849 1601-0410	HINGE RIVET	2 12	2 12
26	3-525	FW'D TOP FORMER ASS'Y	1	1
27	3-1396 3-442	FW'D TOP FORMER ASS'Y GREENHOUSE FAIRING STRIP SIDE	1 2	1 2
28	3-442-1 2-753	FAIRING STRIP SIDE GREENHOUSE SUPPORT	2 1	2 1
	AN515-8-14	SCREW	8	8
	AN960-10L	WASHER	8	8
	AN365-832	NUT	8	8
29	7-1259	BULKHEAD	2	2
	638	UPPER ATTACHMENT EYELET	1	1
	276D	LOWER ATTACHMENT EYELET	2	2
	2-1906	BRACE ANGLE	1	1
	AN526-8-10	SCREW	4	4
	AN365-832	NUT	4	4
30	5-10000	BULKHEAD	2	2
	638	UPPER ATTACH EYELET	1	1
	276D	LOWER ATTACH EYELET	2	2
31	4-555	BULKHEAD	2	2
	638	UPPER ATTACHMENT EYELET	1	1
	276D	LOWER ATTACHMENT EYELET	2	2
32	2-2046	BULKHEAD - AUXILIARY	1	1
	276D	ATTACHMENT EYELET	2	2
33	4-556	BULKHEAD	2	2
	638	UPPER ATTACHMENT EYELET	1	1
	276D	LOWER ATTACHMENT EYELET	2	2
34	4-557	BULKHEAD	2	2
	638	UPPER ATTACHMENT EYELET	1	1
	276D	LOWER ATTACHMENT EYELET	2	2
35	1-2679-1	STRINGER	2	2
	1-9992	STRINGER - GREENHOUSE	2	2
36	1-2366	STRINGER	2	2
	1-9994	REINFORCEMENT GAP COVER	2	2
37	1-2367-1	STRINGER	3	3
38	1-2367-2	STRINGER	2	2
	276D	ATTACH EYELET	2	2
39	1-2376-1	STRINGER	1	1
	276D	ATTACH EYELET	1	1
	AN526-1032-10	SCREW	1	1
	AN365-1032	NUT	1	1
40	1-2376-2	STRINGER	1	1
	276D	ATTACH EYELET	2	2
41	2-1965-1	FW'D STRINGER SUPPORT	1	1
	2-1965-2	REAR STRINGER SUPPORT	1	1
42	4-1378	FLOORBOARD ASS'Y - BAGGAGE COMP.	1	1
43	4-1032	FLOORBOARD - REAR	1	1

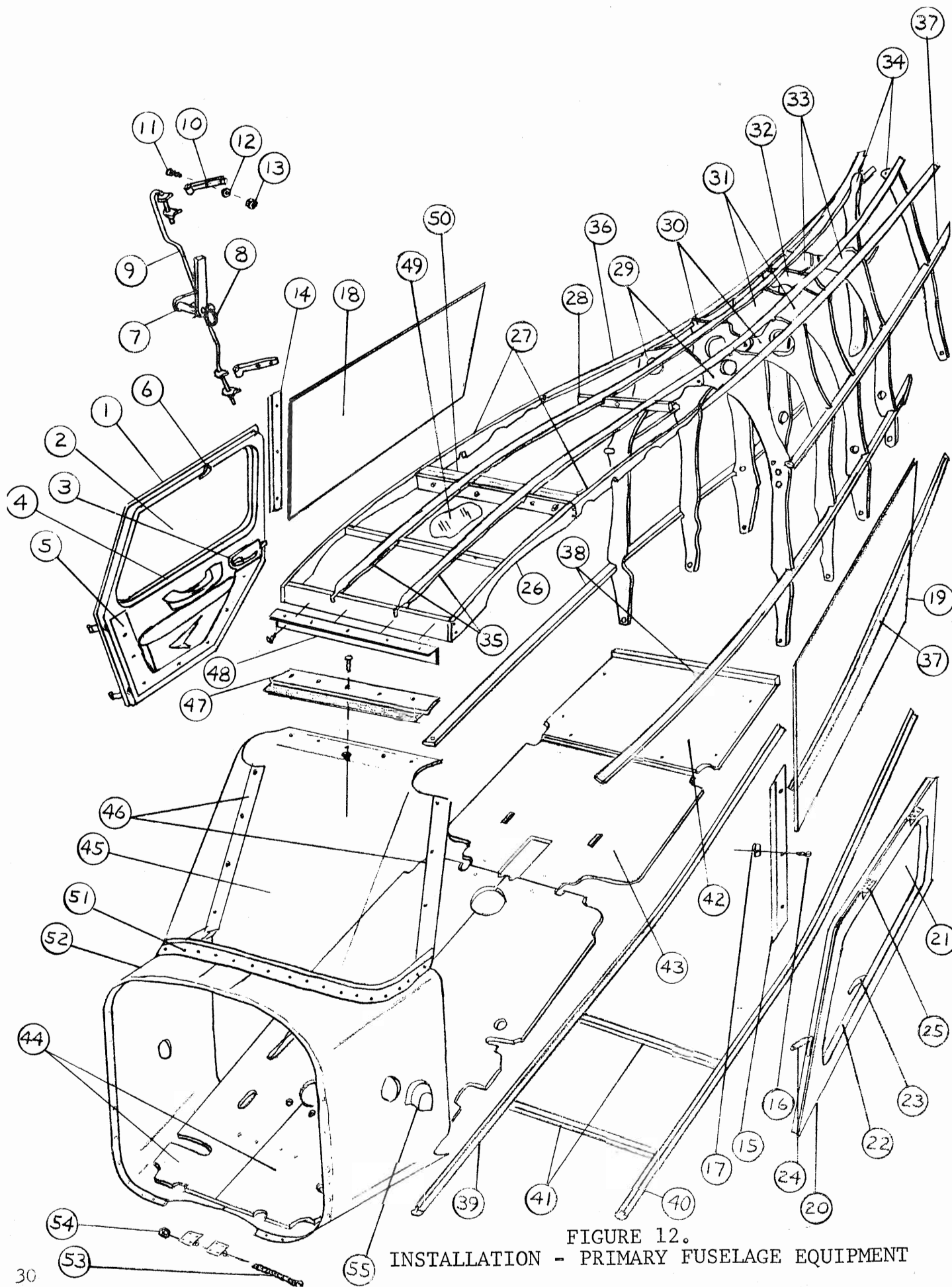


FIGURE 12.
INSTALLATION - PRIMARY FUSELAGE EQUIPMENT

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER	ASS'Y
12-44	5-296 5-296 C5572-020	FLOORBOARD - RIGHT FLOORBOARD - LEFT FLOORBOARD ATTACH CLIPS	1R 1L 22	1R 1L 22
45	7-1264	WINDSHIELD	1	1
46	3-473-3 3-473-3 2-1928	RETAINER RIGHT SIDE RETAINER LEFT SIDE RUBBER SEAL STRIP	1R 1L 2	1R 1L 2
	AN526-832-8 B832	SCREW - ATTACHMENT NUT - ATTACH (RUBBER)	10 10	10 10
	AS6-4-6SS	SCREW	8	8
47	2-1880 2-1880-1 7-1263-1	RETAINER - WINDSHIELD TOP RETAINER - WINDSHIELD TOP - GR'NHOUSE RUBBER SEAL STRIP	1 1 1	1 1 1
	AN526-832-10 B832	SCREW ATTACH NUT - ATTACH (RUBBER)	5 5	5 5
48	2-10005-3 AS6-8SS 2-1908-1	SUPPORT WINDSHIELD SCREW - ATTACHMENT SUPPORT WINDSHIELD GREENHOUSE	1 5 1	1 5 1
	AN515-8-14 AN960-8L AN365-832	SCREW - ATTACHMENT WASHER NUT	5 5 5	5 5 5
49	7-1286 AN526-640-7 AN364-640	GREENHOUSE WINDOW SCREW - ATTACHMENT NUT	1 5 5	1 5 5
50	4-1416 AN515-8-14 AN960-8L AN365-832	RETAINER - GREENHOUSE SUPPORT SCREW - ATTACHMENT WASHER NUT	1 5 5 5	1 5 5 5
51	4-1369 1601-0410	RETAINER - WINDSHIELD TO WRAPAROUND RIVET - ATTACHMENT	1 32	1 32
52	7-509-7 7-509-3 7-10000 AS6-4-6FS A1776-4Z-1	ASS'Y WRAPAROUND INSULATION - WRAPAROUND INTERIOR PANEL WRAPAROUND SCREW - ATTACH TO FIREWALL NUT - ATTACH TO FIREWALL	1 1 1L/1R 12 12	1 1 1L/R 12 12
53	AN520-416-40	SCREW	2	2
54	AN365-428	NUT	2	2
55	1-9809	SNAP VENT WRAPAROUND	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			AA, CA, AB	BC
			UNITS PER	ASS'Y
13-	7-1293 7-1269 4-1403	DRAWING - INSTALLATION FIXED EQUIPMENT DRAWING - INSTALLATION INTERIOR PANELS DRAWING - INSTALLATION SEATS		
1	5-297	PANEL - INTERIOR TOP (LEFT SIDE)	1	1
	4-1372	PANEL - INTERIOR TOP (RIGHT SIDE)	1	1
2	5-295	PANEL - INTERIOR BOTTOM (LEFT SIDE)	1	1
	1-9942	SPRING (ATTACHMENT)	4	4
	AN380-3-3	COTTER KEY	4	4
	#2279	FASTENER.	2	2
	4-1371	PANEL - INTERIOR BOTTOM (RIGHT SIDE)	1	1
	1-9942	SPRING (ATTACHMENT)	2	2
	AN380-3-3	COTTER KEY	2	2
	AS6-4-80S	SCREW	2	2
	7141	FABRIC WASHER	2	2
3	4-1373	PANEL - INTERIOR - AFT - UPPER	1	1
4	3-1390	PANEL - INTERIOR - AFT - MIDDLE	1	1
5	3-1391	PANEL - INTERIOR - AFT - LOWER	1	1
6	4-10004	PANEL - INTERIOR - DOORWAY	1	1
	1-9927	MOULDING (DOOR BOTTOM)	1	1
	1-9925	MOULDING (DOOR TOP)	1	1
	#2279	FASTENERS	5	5
	AS6-4-4SS	SCREW	8	8
7	7-10000	PANEL - INTERIOR - WRAPAROUND	1L/1R	1L/1R
8	5-298	CARPET	1	1
	5-298-3	MAT	1	1
9	3-1374	BOOT STICK - REAR	1	1
	AS6-4-8SS	SCREW	2	2
	7141	FABRIC WASHER	2	2
10	2-750	BOOT STICK - FRONT	1	1
	AS6-4-6SS	SCREW	6	6
11	3-1137	BOOT - FLAP CONTROL		1
	AS6-6-6SS	SCREW		8
12	7-1279	SEAT FRAME (PARACHUTE TYPE)	2	2
	7-1279-15	SEAT FRAME (NON-PARACHUTE) (ALT.)	2	2
	7-1454	SEAT FRAME - FOLDING BACK (ALT.)	2	2
	4-1504-1	CUSHION - SEAT BACK	2	2
	4-1504-2	CUSHION - SEAT BOTTOM	2	2
		CUSHION - BOTTOM FILLER (PARACHUTE SEAT ONLY)	2	2
	AN4-5A	BOLT (SEAT ATTACHMENT)	8	8
	AN960-416	WASHER	8	8
	AN365-428	NUT	8	8
	7-1067	SEAT FRAME - REAR - WIDE	OPT.	OPT.
	4-10011	CUSHION - SEAT BACK	1	1
	4-10010	CUSHION - SEAT BOTTOM	1	1
	1-9982	SEAT BELT ATTACHMENT LUG	2	2
		NOTE: ATTACHMENT - HARDWARE SAME AS 7-1279 SEAT		

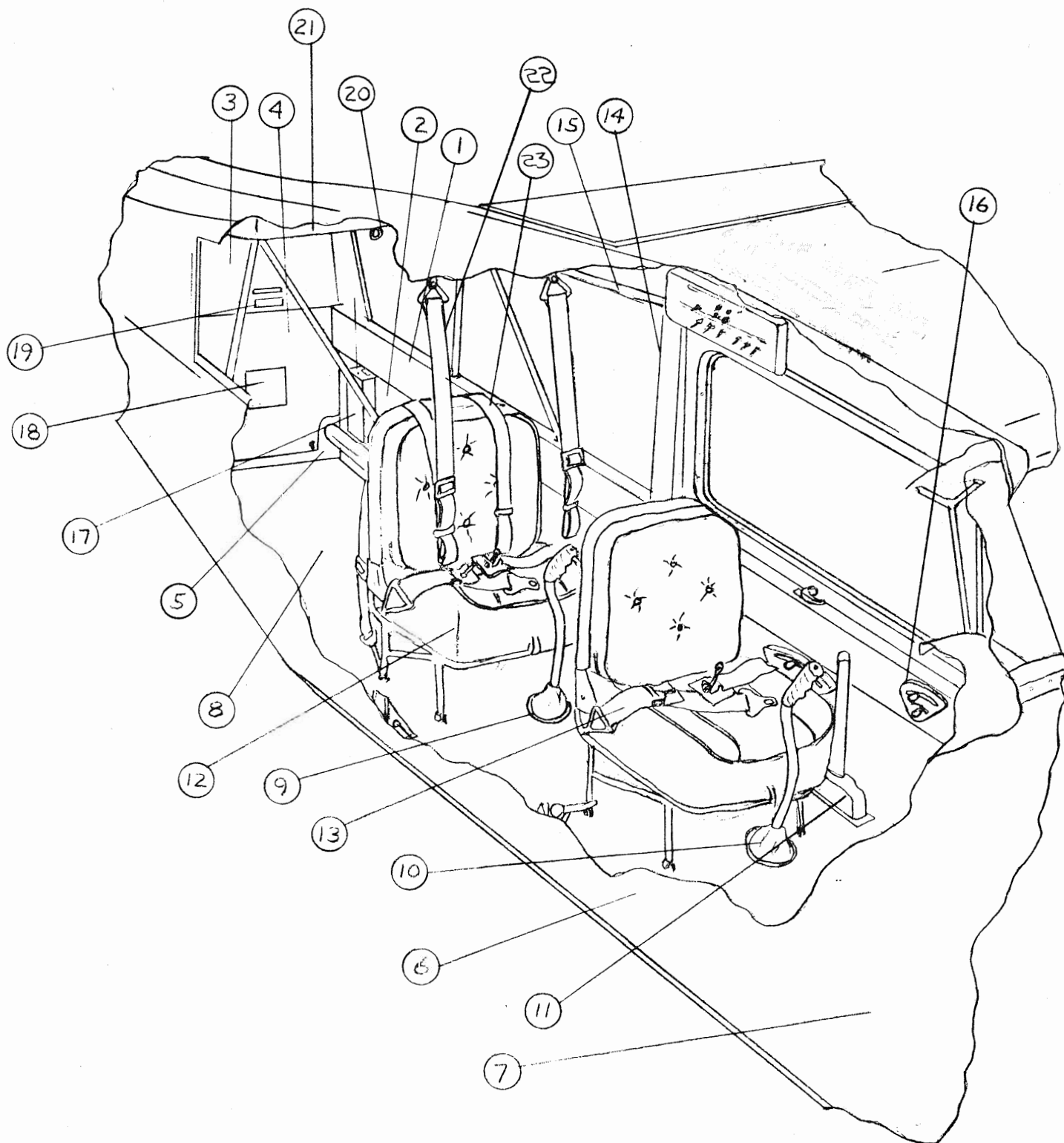


FIGURE 13. INSTALLATION - INTERIOR TRIM AND SEATS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, CA, AB	BC
			UNITS PER	ASS'Y
13-13	3-1305	SEAT BELT - 2"	2	2
	#65	SEAT BELT - 3"	OPT.	OPT.
	1-10238	BUSHING	2	2
	AN4-7A	BOLT	2	2
	AN960-416	WASHER	2	2
	AN365-428	NUT	2	2
14	4-1375	COVER - AILERON CABLE	1L/1R	1L/1R
15	2-1877	MOULDING (UPPER REAR WINDOW)	1L/1R	1L/1R
16	2-1883	QUADRANT	2	2
	1-9941	PLACARD	2	2
	AN526-832-16	SCREW	4	4
	C420-832-1	NUT	4	4
	2-1883-2	SPACER - WOOD	4	4
	1-9186	KNOB - THROTTLE	2	2
	1-596-4	KNOB - CARB. HEAT	2	2
17	SHARC 7	EMERGENCY LOCATOR BEACON	1	1
	3-1503	PANEL - SUPPORT	1	1
	AN526-1032-10	SCREW	3	3
	AN970-3	WASHER	3	3
	AN365-1032	NUT	3	3
	AS6-4-6SS	SCREW	2	2
18	#1	LICENSE HOLDER	1	1
	AS6-4-80S	SCREW	4	4
	7141	WASHER - FABRIC	4	4
19	1-9704	PLACARD - BAGGAGE	1	1
	1-10114	PLACARD - BATTERY SERVICE (REAR BATTERY INST. ONLY)	1	1
20	1-8756	COAT HANGER	1	1
	AN365-1032	NUT	1	1
21	4-1393	HEADLINER	1	1
	4-1429	HEADLINER (GREENHOUSE MODELS)	1	1
	4-1393-6	HEADLINER		1
22	AE815	SHOULDER HARNESS FRONT SEAT	OPT.	OPT.
	AN6-10A	BOLT (ATTACHMENT)	2	2
	AN960-616	WASHER	2	2
	AN365-624	NUT	2	2
23	AE815	SHOULDER HARNESS REAR SEAT	OPT.	OPT.
	1-9981	STRAP (HARNESS TO SEAT ATTACH)	2	2
	AN6-6A	BOLT (ATTACHMENT)	2	2
	AN960-616	WASHER	2	2
	AN365-624	NUT	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL			
			CA	AB	AA, BC	
			UNITS PER ASS'Y			
14-	7-1257	DRAWING - ASSEMBLY ELECTRICAL HARNESS				
1	7-1257	ASSEMBLY - ELECTRICAL HARNESS	1		1	
2	7-1257-5	WIRE - AMMETER TO STARTER SOLNOID			1	
3	7-1257-8	WIRE - AMMETER TO BUSS BAR	1		1	
4	7-1257-9	WIRE - AMMETER TO ALT. A +	1		1	
5	7-1257-14	WIRE - RADIO 1	1		1	
6	7-1257-15	WIRE - RADIO 2	1		1	
7	7-1257-16	WIRE - RADIO 3	1		1	
8	1-9926	WIRE - MASTER SWITCH TO BUSS BAR	1		1	
9	7-1257-18	WIRE - MASTER SWITCH TO O.V. RELAY B	1		1	
10	7-1257-22	WIRE - ACC'y 1	1		1	
11	7-1257-23	WIRE - ACC'Y 2	1		1	
12	7-1257-24	WIRE - LANDING LIGHT	1		1	
13	7-1257-25	WIRE - SWITCH SOLNOID TO MASTER	1			
14	7-1257-29	WIRE - NAV. LIGHT	1		1	
15	7-1257-30	WIRE - SPEAKER (NOT SHOWN)	1		1	
16	7-1257-31	WIRE - NAV. LIGHT RIGHT WING	1		1	
17	7-1257-32	WIRE - COMPASS LIGHT (NOT SHOWN)	1		1	
18	7-1257-33	WIRE - NAV. LIGHT LEFT WING	1		1	
19	7-1257-34	WIRE - PHONE & MIC JACS	1		1	
20	7-1257-35	WIRE - PHONE & MIC JACS	1		1	
21	7-1257-36	WIRE - PHONE & MIC JACS	1		1	
22	7-1257-37	WIRE - PHONE & MIC JACS	1		1	
23	7-1257-40	WIRE - LEFT IGN. TO RIGHT MAG.	1		1	
24	7-1257-41	WIRE - RIGHT IGN. TO MAG. LEFT	1		1	
25	7-1257-42	WIRE - TO IGN. SWITCH	1		1	
26	4-1000-59	WIRE - RIGHT & LEFT WING - NAV. LI.	4		4	
27	1-3507	WIRE GR'D - NAV. LIGHT	2		2	
28	1-9954-1	WIRE - BEACON LIGHT	1		1	
	4-1000-64	WIRE - BEACON GR'D	1		1	
29	1-9954-2	WIRE - TAIL LIGHT	1		1	
30	1-9406	WIRE - TAIL LIGHT	1		1	
31	1-3507	WIRE - TAIL LIGHT GR'D	2		2	
32	4-1390	RUDDER	1		1	
33	A2064-12	ASS'Y LITE	1		1	
34	164R	STALL WARNING	1		1	

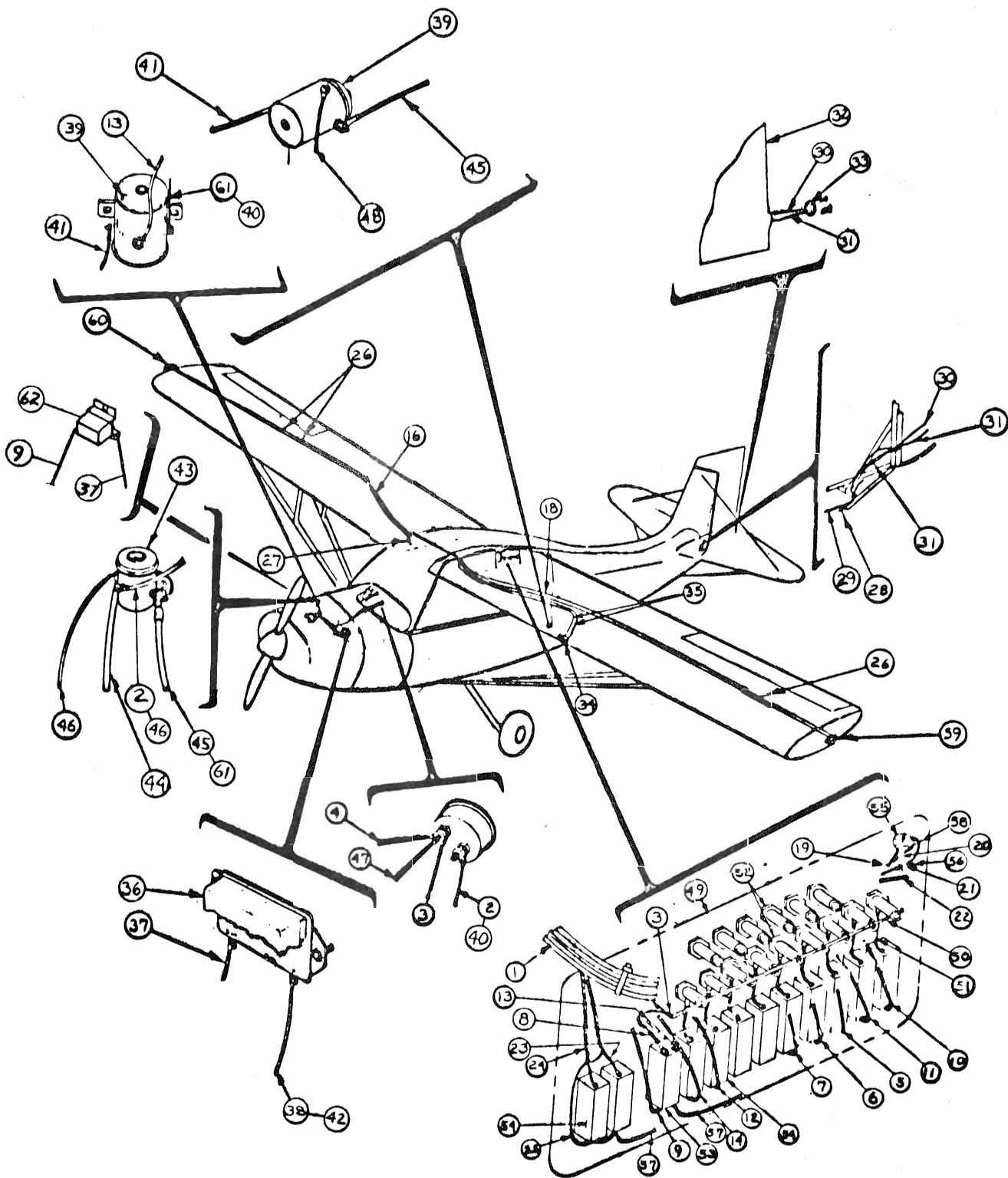


FIGURE 14. ASSEMBLY - ELECTRICAL HARNESS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	AB, AA, BC
			UNITS PER ASS'Y	
14-35	4-1000-76	WIRE - STALL WARNING	2	2
	155000	FUSE HOLDER (2 AMP FUSE)	2	2
36	12 VOLT	REGULATOR VOLTAGE (CF)	1	1
37	4-1000-107	WIRE - O.V. RELAY "F" TO REG "I"	1	1
38	4-1000-106	WIRE - ALT "F1" TO REG. "F"	1	1
39		SWITCH SOLNOID (CF)	1	1
40	7-1257-5	WIRE - SWITCH SOL. TO AMMETER	1	
41	4-1000-60	WIRE - SWITCH SOL. TO BATTERY	1	1
42	4-1000-105	WIRE - ALT "F2" TO REG. "I"	1	1
43		STARTER SOLNOID (CF)	1	1
44	4-1000-50	WIRE - STARTER SOLNOID TO STARTER	1	1
45	4-1000-99	WIRE - SWITCH SOLNOID TO STARTER SOL.		1
46	4-1000-103	WIRE - STARTER SOLNOID TO PUSH BUTTON STARTER		1
47	4-1000-104	WIRE - AMM. TO PUSH BUT. STARTER		1
48	4-1000-100	WIRE - SWITCH SOL. TO MASTER SWITCH		1
	4-1364	SUB-ASS'Y ELECTRICAL PANEL	1	1
49	4-1363	PANEL ELECTRICAL	1	1
50	4-1363-1	BUSS BAR	1	1
51	1-9926	WIRE	9	9
52	342012	FUSEHOLDERS	15	15
53	1-9152-1	SWITCH - MASTER	10	10
54	1-9152-2	SWITCH - ING., RADIO, ACC'Y	2	2
55	C-128	PHONE JAX	1	1
56	C-11	MIKE JAX	1	1
57	1-9293	WIRE - GROUND	2	2
58	4-1363-2	WIRE - MIKE JAX TO PHONE JAX	1	1
	1-9907	PLACARD ING. L - R	1	1
	1-9904	PLACARD - MASTER	1	1
	1-9973	PLACARD - OPT. EQUIP.	1	1
	1-9939	PLACARD - FUSE RATINGS	1	1
	1-9935	PLACARD - SPARE FUSE RATINGS	1	1
59	A1285-R-12	LIGHT - LEFT NAV.	1	1
60	A1285-G-12	LIGHT - RIGHT NAV.	1	1
61	1-9999	STRAP (LYC. - 0-235CI) (ONLY)	1	
62		OVER VOLT RELAY (CF)	1	1
NOTE: THIS HARNESS ASSEMBLY APPLI- CABLE TO AIRCRAFT BUILT PRIOR TO OCTOBER 1, 1971				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER ASS'Y	
15-	4-1507	DRAWING - WIRE SCHEMATIC		
1	7-1257-16	WIRE - OPTIONAL EQUIPMENT	1	
2	7-1257-15	WIRE - OPTIONAL EQUIPMENT	1	
3	7-1257-14	WIRE - OPTIONAL EQUIPMENT	1	
4	7-1257-23	WIRE - OPTIONAL EQUIPMENT	1	
5	7-1257-30	WIRE - RADIO SPEAKER	1	
6	7-1257-34	WIRE - REAR SEAT MIKE & PHONES	1	
7	7-1257-35	WIRE - REAR SEAT MIKE & PHONES	1	
8	7-1257-36	WIRE - REAR SEAT MIKE & PHONES	1	
9	7-1257-37	WIRE - REAR SEAT MIKE & PHONES	1	
10	1-3507	GROUND WIRE	1	
11	A1285-R-12	NAV. LIGHT	1	
12	4-1000-59	WIRE - NAV. LIGHT	2	
13	7-1257-33	WIRE - NAV. LIGHT	1	
14	7-1257-31	WIRE - NAV. LIGHT	1	
15	7-1257-32	WIRE - COMPASS	1	
16	7-1257-22	WIRE - OPTIONAL EQUIPMENT	1	
17	1-9926	INSUL. WIRE	1	
18	7-1257-24	INSUL. WIRE - LANDING LIGHT	1	
19	7-1257-40	INSUL. WIRE - RIGHT MAG.	1	
20	7-1257-41	INSUL. WIRE - LEFT MAG.	1	
21		L. MAG.	1	
22	7-1257-18	WIRE - O.V. RELAY (B) TO MASTER SWITCH	1	
23		ALTERNATOR	1	
24	7-1257-5	WIRE - STARTER	1	
25		STARTER	1	
26	4-1000-50	WIRE - STARTER TO SOLN.	1	
27		LANDING LIGHT	1	
28	7-1288-4	WIRE - LANDING LIGHT	1	
29	7-1288-5	WIRE - GRN'D TO LANDING LIGHT	1	
30	4-1000-106	WIRE - ALT. F ^I TO REG F	1	
31		R. MAG.	1	
32		OVER VOLT	1	
33		SOL. (STARTER)	1	
34	4-1000-65	WIRE - SOLN. TO BATT.	1	
35	4-1000-65	WIRE - BATT. GROUNDED	1	
36		BATTERY	1	
37	4-1000-107	WIRE - O.V. RELAY (F) TO REG I	1	
38		COMPASS LIGHT	1	
39		AMMETER	1	
40	7-1257-9	WIRE - ALT. A + TO AMMETER +	1	
41		10 AMP FUSE	1	
42		REG.	1	

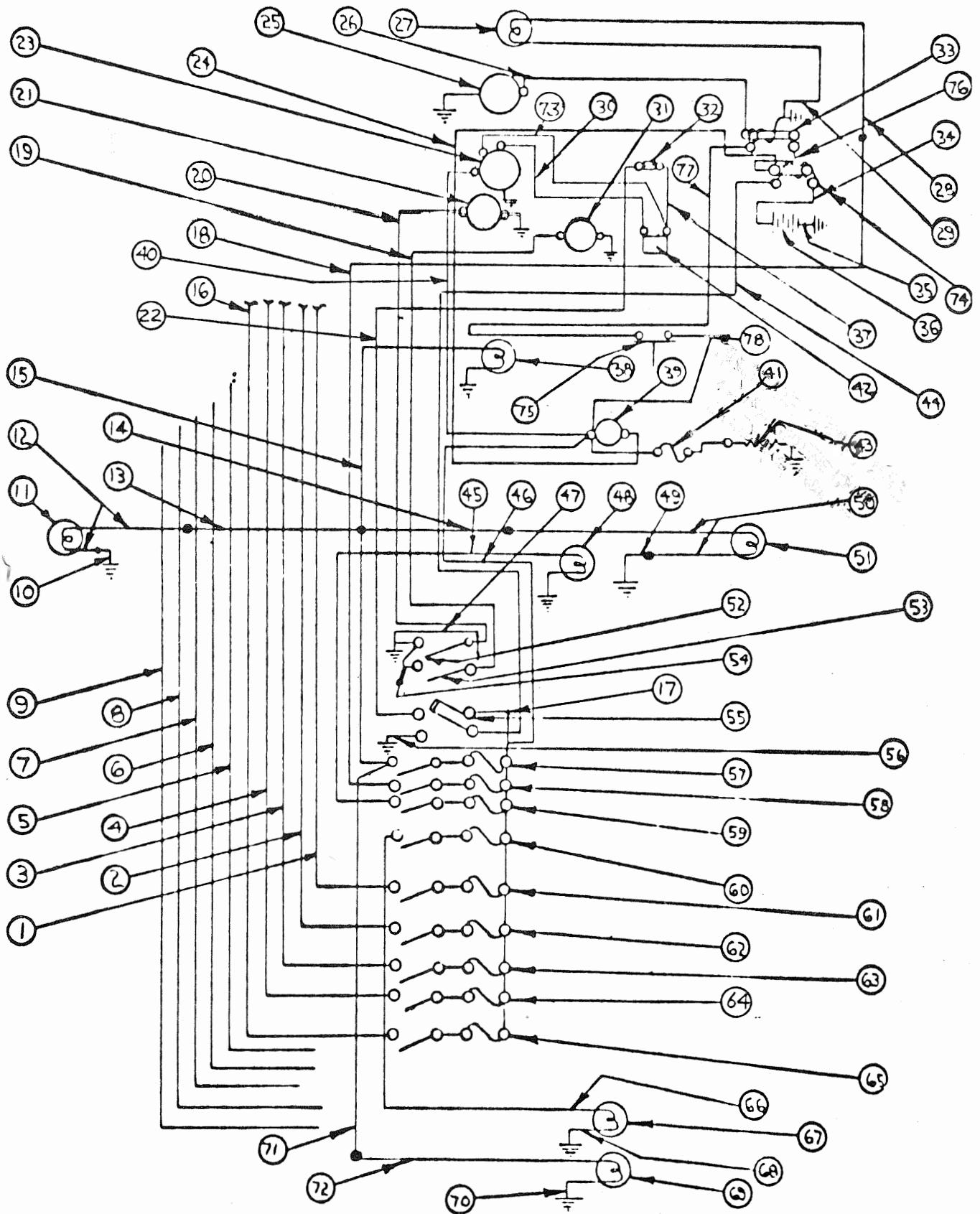


FIGURE 15. SCHEMATIC - 7ECA

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER	ASS'Y
15-43		CIGAR LIGHTER	1	
44	7-1257-25	WIRE - SOLN. TO MASTER SWITCH	1	
45	7-1272-4	WIRE - INSTR. LIGHT	1	
46	7-1257-8	WIRE - AMMETER TO BUSS BAR	1	
47	7-1257-42	WIRE - ING. L/R SWITCH GROUND	1	
48		INST. LIGHT	1	
49	1-3507	GROUND WIRE	2	
50	4-1000-59	INSUL. WIRE	2	
51	A1285-G-12	NAV. LIGHT	1	
52		R. ING. SWITCH	1	
53		L. ING. SWITCH	1	
54	1-9916	INSUL. WIRE - ING. SWITCH L/R	1	
55		MASTER SWITCH	1	
56	1-9293	GROUND WIRE	1	
57		NAV. LIGHT SWITCH	1	
58		LDG. LIGHT SWITCH	1	
59		INSTR. LIGHT SWITCH	1	
60		BEACON LIGHT SWITCH	1	
61		RADIO #3	1	
62		RADIO #2	1	
63		RADIO #1	1	
64		ACC'Y #2	1	
65		ACC'Y #1	1	
66	1-9954-1	WIRE - BEACON	1	
67		BEACON LIGHT	1	
68	4-1000-64	GROUND WIRE	1	
69		TAIL LIGHT	1	
70	1-3507	GROUND WIRE - TAIL LIGHT	1	
71	1-9954-2	WIRE - TAIL LIGHT	1	
72	1-9406	WIRE - TAIL LIGHT	1	
73	4-1000-105	WIRE - ALT. F ² TO REG I	1	
74		SWITCH SOLN.	1	
75		PUSH BUTTON STARTER	1	
76	1-9999	WIRE - SWITCH SOLN. TO STARTER SOLN.	1	
77	4-1000-103	WIRE - PUSH BUT. STARTER TO S. SOLN.	1	
78	4-1000-104	WIRE - PUSH BUTTON TO AMMETER	1	
NOTE:				
1. ELECTRICAL SCHEMATIC APPLICABLE 7ECA 0-235-CI LYC. (ONLY)				
2. THIS SCHEMATIC APPLICABLE TO AIRCRAFT BUILT PRIOR TO OCTOBER 1, 1971				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, BC	
			UNITS PER ASS'Y	
16-	4-1505	DRAWING - WIRE SCHEMATIC		
1	7-1257-37	WIRE - REAR SEAT MIKE & PHONES	1	
2	7-1257-36	WIRE - REAR SEAT MIKE & PHONES	1	
3	7-1257-35	WIRE - REAR SEAT MIKE & PHONES	1	
4	7-1257-34	WIRE - REAR SEAT MIKE & PHONES	1	
5	7-1257-30	WIRE - RADIO SPEAKER	1	
6	7-1257-22	WIRE - OPTIONAL EQUIPMENT	1	
7	7-1257-23	WIRE - OPTIONAL EQUIPMENT	1	
8	7-1257-14	WIRE - OPTIONAL EQUIPMENT	1	
9	7-1257-15	WIRE - OPTIONAL EQUIPMENT	1	
10	7-1257-16	WIRE - OPTIONAL EQUIPMENT	1	
11	1-3507	GROUND WIRE	1	
12	A1285-R-12	NAV. LIGHT	1	
13	7-1257-24	WIRE - LANDING LIGHT	1	
14	7-1257-32	WIRE - COMPASS	1	
15	7-1257-18	WIRE - MASTER TO O.V. RELAY B	1	
16	7-1257-41	CABLE - LEFT MAG.	1	
17	7-1257-40	CABLE - RIGHT MAG.	1	
18	4-1000-106	WIRE - ALT. F ¹ TO REG F	1	
19		L. MAG.	1	
20		ALTERNATOR	1	
21		STARTER	1	
22	7-1257-5	WIRE - AMMETER TO STARTER SOLNOID	1	
23	4-1000-50	WIRE - STARTER TO STARTER SOLNOID	1	
24		LDG. LIGHT	1	
25	7-1288-4	WIRE - LANDING LIGHT	1	
26	7-1288-5	WIRE - GRN'D TO LANDING LIGHT	1	
27	4-1000-105	WIRE - ALT. F ¹ to REG I	1	
28		OVER VOLT RELAY	1	
29		STARTER SOLNOID	1	
30	4-1000-107	WIRE - O.V. RELAY F TO REG I	1	
31	7-1257-25	WIRE - OPT.	1	
32		REG.	1	
33	7-1257-9	WIRE ALT. + TO AMMETER	1	
34	4-1000-103	WIRE - STARTER SOLN. TO PUSH BUTTON STARTER	1	
35		PUSH BUTTON STARTER	1	
36	4-1000-104	WIRE - PUSH BUT. STARTER TO AMMETER	1	
37		COMPASS LIGHT	1	
38		AMMETER	1	
39		CIGAR LIGHTER	1	

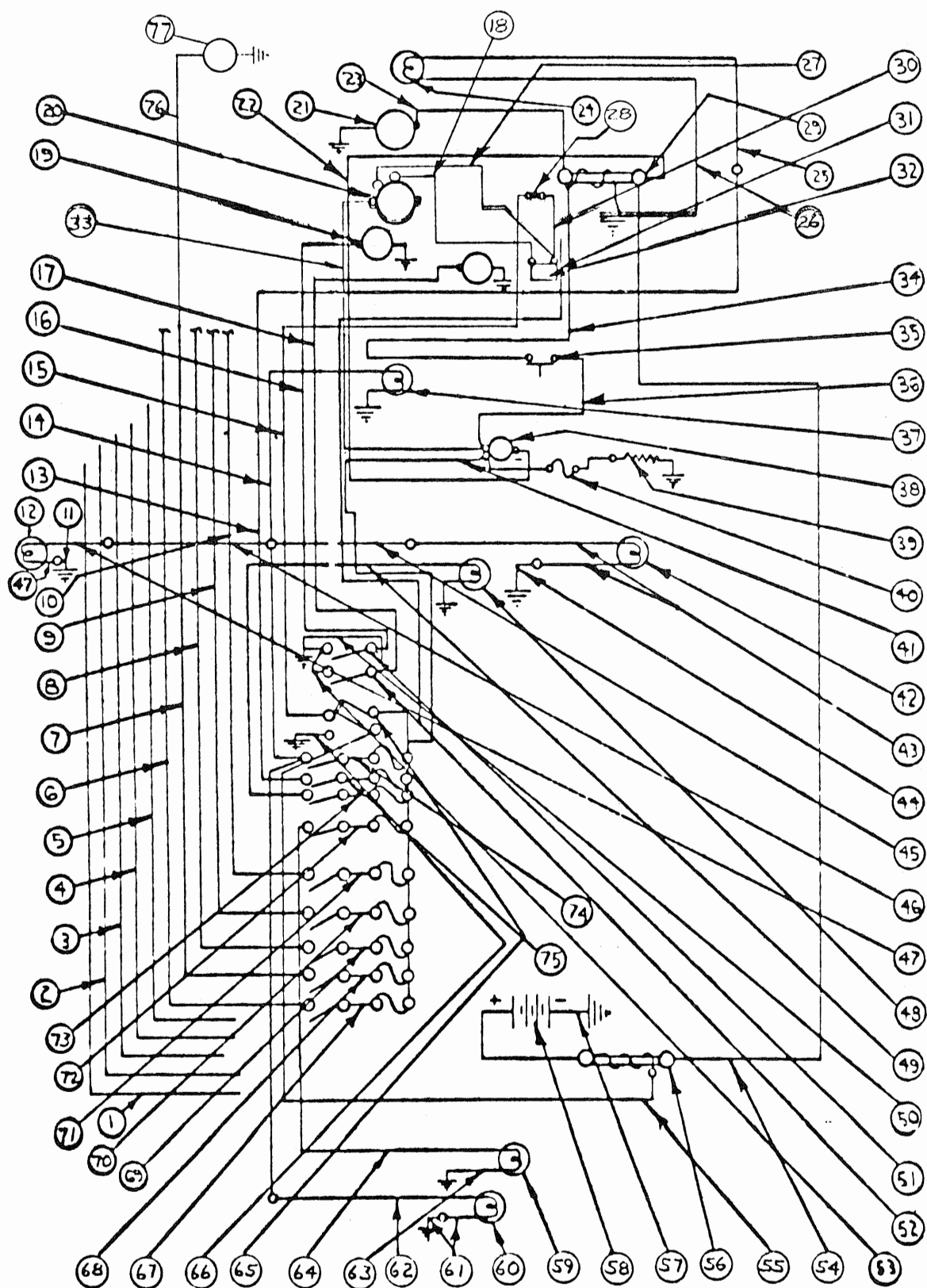


FIGURE 16. SCHEMATIC - 7GCAA, 7GCBC, 7KCAB

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, BC	
			UNITS PER ASS'Y	
16-40		10 AMP FUSE	1	
41	7-1257-8	WIRE - AMMETER TO BUSS BAR	1	
42	A1285-G-12	NAV. LIGHT	1	
43	4-1000-59	WIRE - NAV. LIGHT	2	
44	1-3507	WIRE - NAV. LIGHT GR'D	1	
45	7-1257-31	WIRE - NAV. LIGHT	1	
46	7-1257-33	WIRE - NAV. LIGHT	1	
47	4-1000-59	WIRE - NAV. LIGHT	2	
48		INST. LIGHT	1	
49	7-1272-4	WIRE - INST. LIGHT	1	
50	7-1257-42	WIRE - GR'D. ING. SWITCH L/R	1	
51		R. ING. SWITCH	1	
52		L. ING. SWITCH	1	
53	1-9916	WIRE - ING. SWITCH L/R	1	
54	4-1000-99	WIRE - SWITCH SOLN TO START. SOLN.	1	
55	4-1000-100	WIRE - MASTER SWITCH TO SWITCH SOLN.	1	
56		SWITCH SOL. (BATTERY)	1	
57	4-1000-65	WIRE (GR'D)	1	
58		BATTERY (12 V.)	1	
59		BEACON LIGHT	1	
60		TAIL LIGHT	1	
61	1-3507	GROUND WIRE	2	
62	1-9406	INSUL. WIRE	1	
63	4-1000-64	GROUND WIRE	1	
64	1-9954-1	INSUL. WIRE	1	
65		MASTER SWITCH	1	
66	1-9293	INSUL. WIRE - GR'D	1	
67		ACC'y #1	1	
68		ACC'Y #2	1	
69		RADIO #1	1	
70		RADIO #2	1	
71		RADIO #3	1	
72		BEACON LIGHT SWITCH	1	
73		INSTR. LIGHT SWITCH	1	
74		NAV. LIGHT SWITCH	1	
75		LDG. LIGHT SWITCH	1	
76	7-1302-4	WIRE - FUEL PUMP ELEC. (7KCAB ONLY)	1	
77		ELEC. FUEL PUMP (7KCAB)	1	
NOTE: THIS SCHEMATIC APPLICABLE TO AIRCRAFT BUILT PRIOR TO OCTOBER 1, 1971				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			CA	AA, BC	AB
			UNITS PER ASS'Y		
17-	7-1257	DRAWING - ASSEMBLY ELECTRICAL HARNESS			
1	7-1257	ASSEMBLY - ELECTRICAL HARNESS	1	1	1
2	4	WIRE - SWITCH TO INSTR. LIGHT	1	1	1
3	22	WIRE - OPTIONAL	1	1	1
4	24	WIRE - SWITCH TO #131 WIRE	1	1	1
5	29	WIRE - SWITCH TO NAV. LIGHT	1	1	1
	30	WIRE - SPEAKER TO RADIO (NOT SHOWN)	1	1	1
6	31	WIRE - NAV. LIGHT	1	1	1
	32	WIRE - TO COMPASS (NOT SHOWN)	1	1	1
7	33	WIRE - NAV. LIGHT	1	1	1
8	34	WIRE - MIKE JAX TO MIKE JAX	1	1	1
9	35	WIRE - MIKE JAX TO MIKE JAX	1	1	1
10	36	WIRE - PHONE JAX TO PHONE JAX	1	1	1
11	37	WIRE - PHONE JAX TO PHONE JAX	1	1	1
12	40	WIRE - LEFT ING SWITCH TO RIGHT MAG.	1	1	1
13	41	WIRE - RIGHT ING SWITCH TO LEFT MAG.	1	1	1
14	42	WIRE - ING SWITCH GRD.	1	1	1
15	103	WIRE - STARTER SOL. TO PUSH BUTTON STARTER	1	1	1
16	111	WIRE - MASTER SWITCH TO O.V. "B"	1	1	1
17	112	WIRE - AMMETER TO ALTERNATOR "A+"	1	1	1
18	113	WIRE - BUSS BAR TO AMMETER	1	1	1
19	114	WIRE - STARTER SOL. TO AMMETER	1	1	1
20	120	WIRE - EMER. FUEL PUMP OR OPT.	1	1	1
21	121	WIRE			
22	128	WIRE - RADIO #2	1	1	1
23	129	WIRE - RADIO #1	1	1	1
24	132	WIRE - OPTIONAL	1	1	1
25	164R	STALL WARNING			
	135	WIRE - FUSE TO STALL WARN. PANEL UNIT (NOT SHOWN)	1	1	1
	136	WIRE - STALL WARNING PANEL UNIT TO 137 WIRE (NOT SHOWN)	1	1	1
	4-1364	SUBASSEMBLY - ELECTRICAL PANEL	1	1	1
26	4-1363	PANEL - ELECTRICAL	1	1	1
27	4-1363-1	BUSS BAR	1	1	1
28	142	WIRE	1	1	1
29	1-9152-1	SWITCH - MASTER	1	1	1
30	1-9152-2	SWITCH - IGNITION, RADIO, ACC'Y	11	11	11

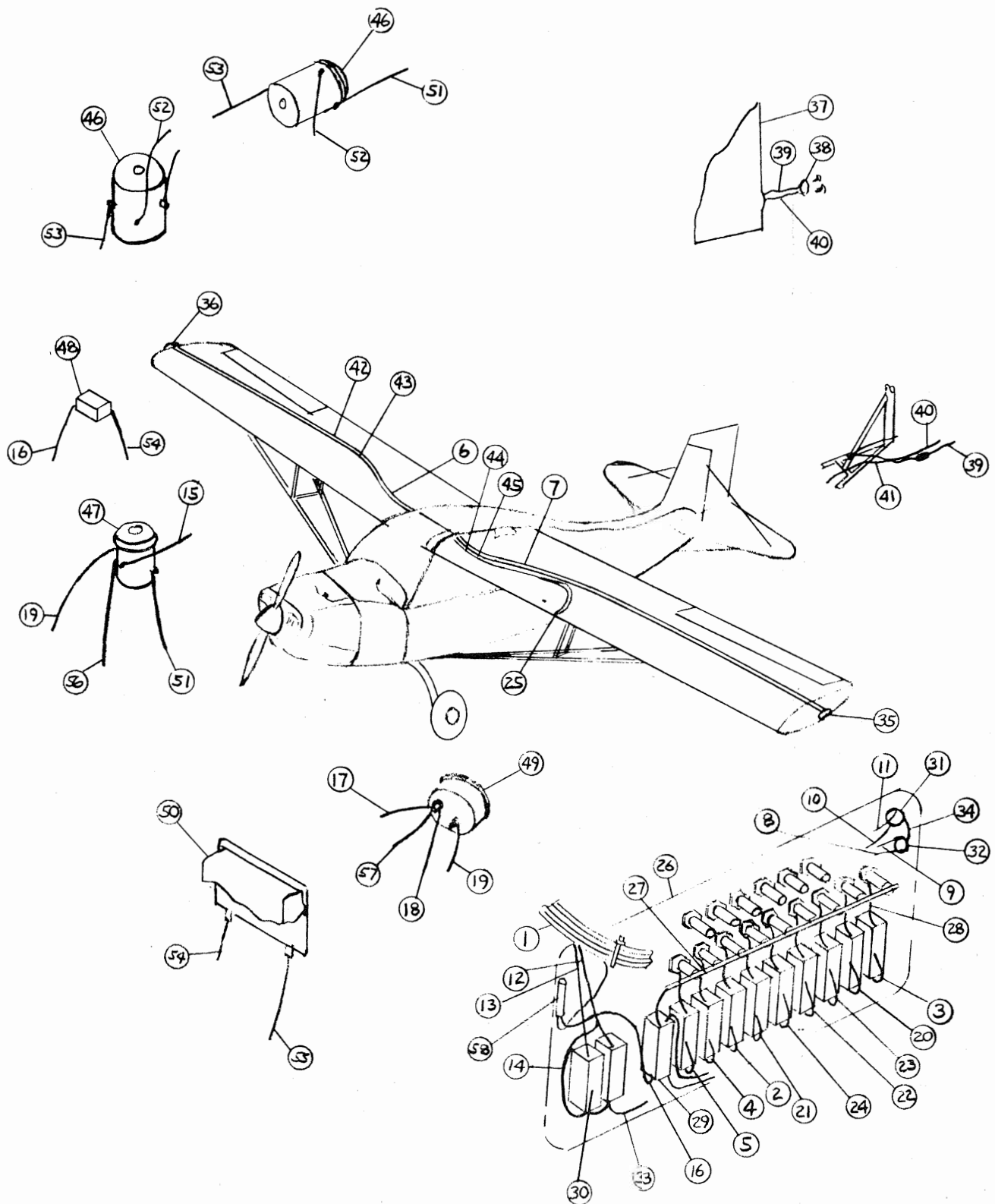


FIGURE 17 - ASSEMBLY ELECTRICAL HARNESS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			CA	AA, BC	AB
			UNITS PER ASS'Y		
17-					
31	C-128	PHONE - JAX	1	1	1
32	C-11	MIKE - JAX	1	1	1
33	126	WIRE - GROUND	2	2	2
34	146	WIRE - MIKE JAX TO PHONE	1	1	1
	1-9907	PLACARD - ING L & R	1	1	1
	1-9904	PLACARD - MASTER	1	1	1
	1-9973	PLACARD - OPT. EQUIP.	1	1	1
	1-9939	PLACARD - FUSE RATINGS	1	1	1
	1-9935	PLACARD - SPARE FUSE RATINGS	1	1	1
35	A1285-R-12	LIGHT - LEFT NAV.	1	1	1
36	A1285-G-12	LIGHT - RIGHT NAV.	1	1	1
37	4-1390	RUDDER	1	1	1
38	A2064-12	ASS'Y LIGHT	1	1	1
39	124	WIRE - TAIL LIGHT WIRE TO 123	1	1	1
		WIRE			
40	133	WIRE - TAIL LIGHT WIRE TO GRD.	1	1	1
41	123	WIRE - SWITCH TO TAIL LIGHT	1	1	1
		WIRE 124			
42	59	WIRE - NAV. LIGHT L & R WING	2	2	2
43	122	WIRE - NAV. LIGHT L & R WING	2	2	2
44	137	WIRE - STALL WARNING	1	1	1
45	138	WIRE - STALL WARNING	1	1	1
46		SWITCH SOLNOID (CF)	1	1	1
47		STARTER SOLNOID (CF)	1	1	1
48		OVERVOLT RELAY (CF)	1	1	1
49		AMMETER (CF)	1	1	1
50		REGULATOR (CF)	1	1	1
51	60	WIRE - STARTER SOL. TO SWI. SOL.	1		
	99	WIRE - STAR. SOL. TO SWITCH SOL.		1	1
52	139	WIRE - MASTER SWITCH TO SWITCH		1	1
		SOL.			
	25	WIRE - MASTER SWITCH TO SWITCH	1		
		SOL.			
53	60	WIRE - SWITCH SOL. TO BATTERY	1	1	1
54	110	WIRE - O.V. "B" TO REG I	1	1	1
55	109	WIRE - ALT "F ₂ " TO REG F	1	1	1
56	50	WIRE - STARTER SOL. TO STARTER	1	1	1
57	104	WIRE - AMM. TO PUSH BUT. STARTER	1	1	1
58		MERCURY SWITCH - IN LINE 111			1
		WIRE			
NOTE: THIS HARNESS ASSEMBLY APPLI- CABLE TO AIRCRAFT BUILT AFTER OCTOBER 1, 1971					

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			CA	AA, BC	AB
			UNITS PER ASS'Y		
18-	4-1543	DRAWING - WIRE SCHEMATIC			
1		SPEAKER - RADIO	1	1	1
2	30	WIRE - RADIO SPEAKER	1	1	1
3	141	WIRE - RADIO SPEAKER - GR'D	1	1	1
4		MIKE - JAX	2	2	2
5	35	WIRE - MIKE JAX TO MIKE JAX	1	1	1
6	34	WIRE - MIKE JAX TO MIKE JAX	1	1	1
7		PHONE JAX	2	2	2
8	36	WIRE - PHONE JAX TO PHONE JAX	1	1	1
9	37	WIRE - PHONE JAX TO PHONE JAX	1	1	1
10	146	WIRE - MIKE JAX TO PHONE JAX - FRONT & REAR	2	2	2
11		WIRES - FURNISHED WITH RADIO TO MIKE & PHONE JAX'S			
12	142	WIRE - BUSS BAR TO SWITCHES	10	10	10
13	22	WIRE - OPTIONAL	1	1	1
14	120	WIRE - EMER. - FUEL PUMP	1	1	1
15		ELECTRIC FUEL PUMP			1
16	129	WIRE - RADIO #1	1	1	1
17	128	WIRE - RADIO #2	1	1	1
18	132	WIRE - OPTIONAL	1	1	1
19		BEACON LIGHT	1	1	1
20	147	WIRE - SWITCH TO BEACON	1	1	1
21	148	WIRE - SWITCH TO BEACON	1	1	1
22	149	WIRE - BEACON TO GR'D	1	1	1
23		INSTR. LIGHT	1	1	1
24	4	WIRE - SWITCH TO INSTR. LIGHT	1	1	1
25		LANDING LIGHT	1	1	1
26	24	WIRE - SWITCH TO #131 WIRE	1	1	1
27	131	WIRE - #131 WIRE TO #24 WIRE	1	1	1
28	130	WIRE - LANDING LIGHT TO GR'D	1	1	1
29		LEFT NAV. LIGHT - RED	1	1	1
30		RIGHT NAV. LIGHT - GREEN	1	1	1
31	33	WIRE - NAV. LIGHT	1	1	1
32	31	WIRE - NAV. LIGHT	1	1	1
33	59	WIRE - NAV. LIGHT - WING L & R	2	2	2
34	122	WIRE - NAV. LIGHT - WING L & R	2	2	2
35	133	WIRE - NAV. LIGHT GR'D - WING L & R	2	2	2
36	29	WIRE - SWITCH TO NAV. LIGHTS	1	1	1
37		COMPASS	1	1	1
38	32	WIRE - TO COMPASS	1	1	1
39		TAIL LIGHT	1	1	1
40	123	WIRE - SWITCH TO 124 WIRE	1	1	1
41	124	WIRE - TAIL LIGHT WIRE TO 123 WIRE	1	1	1
42	133	WIRE - TAIL LIGHT WIRE TO GR'D	1	1	1
43	133	WIRE - TAIL LIGHT GR'D	1	1	1
44		STALL WARNING - WING UNIT	1	1	1
45		STALL WARNING - PANEL UNIT	1	1	1
46	135	WIRE - FUSE TO PANEL UNIT	1	1	1

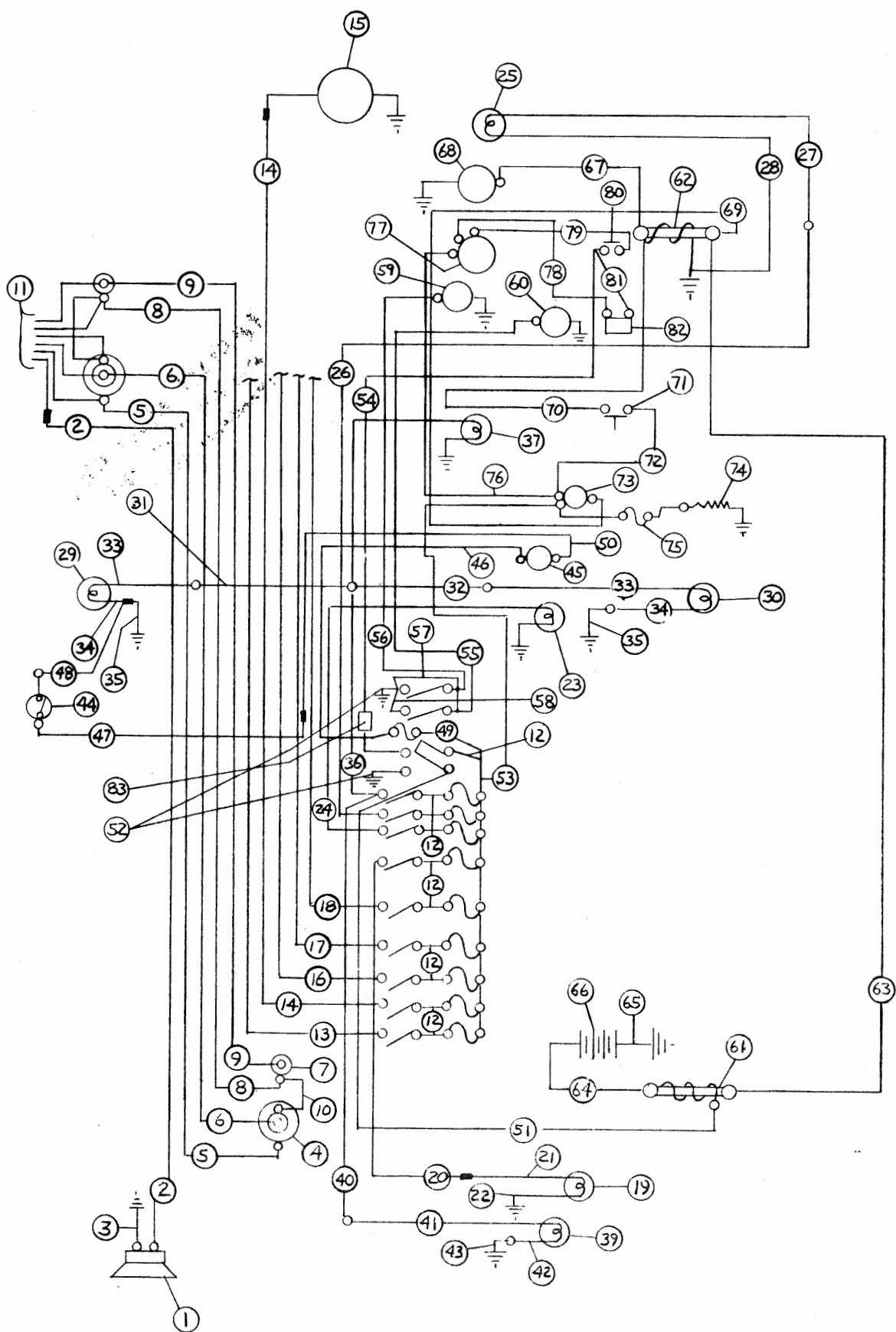


FIGURE 18 - SCHEMATIC 7ECA, 7GCAA, 7GCBC, 7KCAB

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			CA	AA, BC	AB
			UNITS PER ASS'Y		
18-					
47	137	WIRE - WING UNIT TO 135 WIRE	1	1	1
48	138	WIRE - WING UNIT TO GR'D	1	1	1
49	134	WIRE - FUSEHOLDER TO BUSS BAR	1	1	1
50	136	WIRE - PANEL UNIT TO 137 WIRE	1	1	1
51	139	WIRE - MASTER TO SWITCH SOLNOID		1	1
	25	WIRE - MASTER TO SWITCH SOLNOID	1		
52	126	WIRE - MASTER & MAG. SWITCH GR'DS	2	2	2
53	113	WIRE - BUSS BAR TO AMMETER	1	1	1
54	111	WIRE - MASTER SWITCH TO O.V. "B"	1	1	1
55	40	WIRE - LEFT ING. SWITCH TO RIGHT MAG.	1	1	1
56	41	WIRE - RIGHT ING SWITCH TO LEFT MAG	1	1	1
57	42	WIRE - ING SWITCH GR'D	1	1	1
58	127	WIRE - BETWEEN LEFT & RIGHT ING SWITCH	1	1	1
59		MAG. LEFT	1	1	1
60		MAG. RIGHT	1	1	1
61		BATTERY SOLNOID	1	1	1
62		STARTER SOLNOID	1	1	1
63	99	WIRE - BATTERY SOL. TO STARTER SOL.		1	1
	60	WIRE - BATTERY SOL. TO STARTER SOL.	1		
64	60	WIRE - BATTERY SOL. TO BATTERY	1	1	1
65	60	WIRE - BATTERY TO GR'D	1	1	1
66		BATTERY - 12V REAR MOUNTED		1	1
		BATTERY - 12V FIREWALL MOUNTED	1		
67	50	WIRE - STARTER SOL. TO STARTER	1	1	1
68		STARTER	1	1	1
69	114	WIRE - STARTER SOL. TO AMMETER	1	1	1
70	103	WIRE - STARTER SOL. TO PUSH BUTTON STARTER	1	1	1
71		PUSH BUTTON STARTER	1	1	1
72	104	WIRE - PUSH BUTTON STARTER TO AMM.	1	1	1
73		AMMETER	1	1	1
74		CIGAR LIGHTER	1	1	1
75		FUSEHOLDER FOR CIGAR LIGHTER	1	1	1
76	112	WIRE - AMM. TO ALTERNATOR "A+"	1	1	1
77		ALTERNATOR	1	1	1
78	109	WIRE - ALT "F ₂ " TO REG. F	1	1	1
79	108	WIRE - ALT "F ₁ " TO O.V. F	1	1	1
80		OVERVOLT REGULATOR	1	1	1
81	110	WIRE - O.V. "B" TO REG I	1	1	1
82		REGULATOR	1	1	1
83		MERCURY SWITCH - IN LINE 111 WIRE			1
NOTE: THIS SCHEMATIC APPLICABLE TO AIRCRAFT BUILT AFTER OCTOBER 1, 1971					

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, AB	
			UNITS PER	ASS'Y
19-	4-1469	DRAWING - INSTALLATION REBAT		
		BATTERY - REAR		
	4-1509	DRAWING - INSTALLATION GILL		
		BATTERY - REAR		
1	R35	BATTERY (REBAT)	1	
	6-GCAB-11	BATTERY (GILL)	1	
2	4-1409	BATTERY BOARD	1	
3	2-1939	STRAP - HOLD DOWN (REBAT)	1	
	AN3-4A	BOLT (AFT ATTACHMENT)	1	
	AN960-10	WASHER	1	
	AN3-16A	BOLT (FW'D ATTACHMENT)	1	
	AN960-10	WASHER	1	
4	1-10044	ROD ASSEMBLY - HOLD DOWN (GILL)	1	
	AN3-4A	BOLT	1	
	AN960-10	WASHER	1	
5	1-10045	ROD - HOLD DOWN (GILL)	1	
6	1-10046	CHANNEL - HOLD DOWN (GILL)	1	
	AN365-1032	NUTS	2	
	AN970-3	WASHER	2	
7		SOLENOID - BATTERY (CF)	1	
	AN3-6A	BOLT (ATTACHMENT)	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
8	60	CABLE - BATTERY	2	
9	99	CABLE - BATTERY	1	
10	AN781-3	NIPPLE - CABLE COVER	2	
11	AN6-5A	BOLT - GROUND CABLE ATTACH	1	
	AN365-624	NUT	1	
12	1-10057	CAPS - BATTERY (GILL)	6	
	43511150	CAPS - BATTERY (REBAT)	6	
13	2-1964-2	MANIFOLD (GILL)	1	
	2-1964	MANIFOLD (REBAT)	1	
14	1-9895	SPRING - MANIFOLD ATTACH	2	
15	AN42-17A	EYE BOLT - SPRING ATTACH	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
16	2-1966	MANIFOLD - BATTERY - RUBBER (ALT.)	1	
		NOTE: 2-1966 MANIFOLD IS REPLACE- MENT FOR 2-1964, 2-1964-2 MANIFOLD AND APPLICABLE INSTALLATION PARTS		
17	4-1469-1	VENT TUBE - RUBBER	1	
18	139	WIRE - SOLENOID TO MASTER SWITCH	1	
19	1-9806	PLACARD	1	

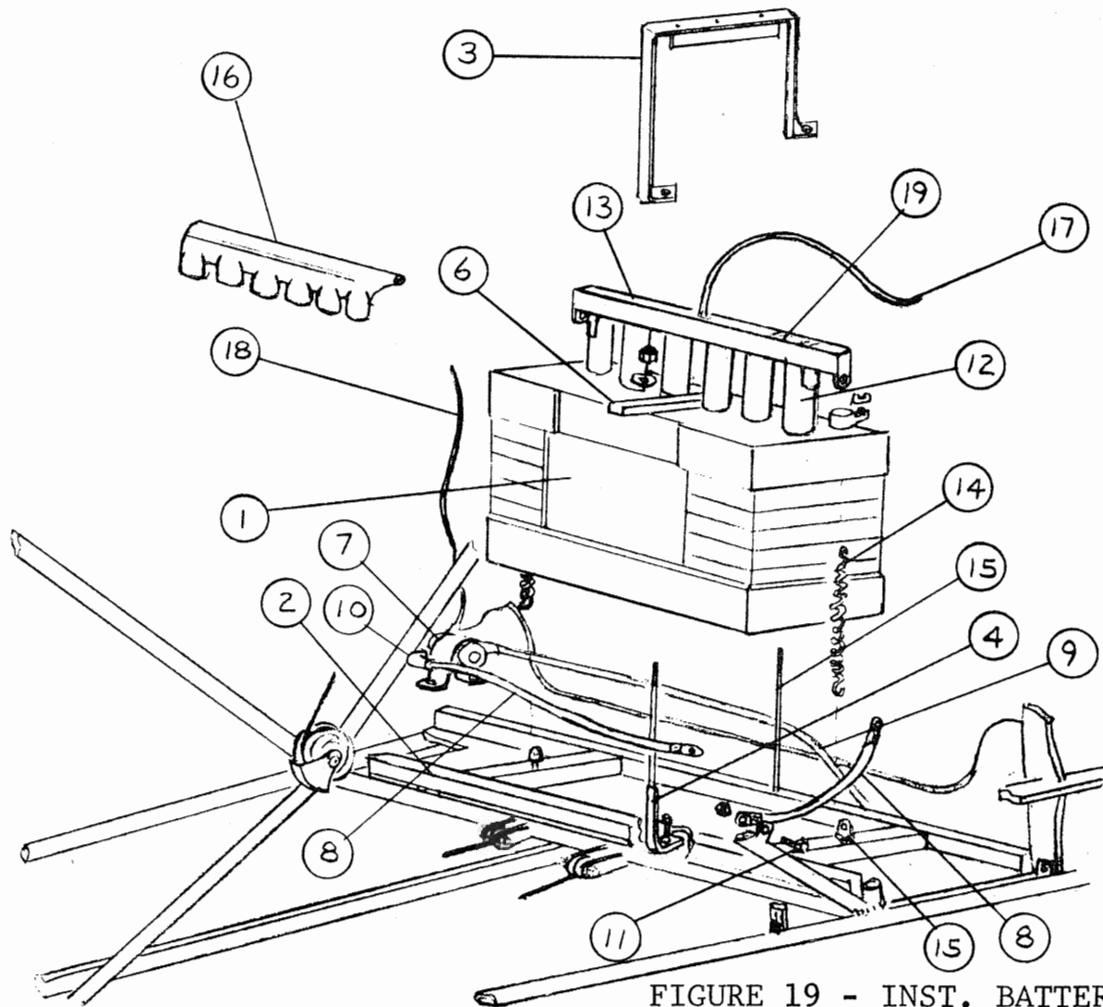


FIGURE 19 - INST. BATTERY - REAR

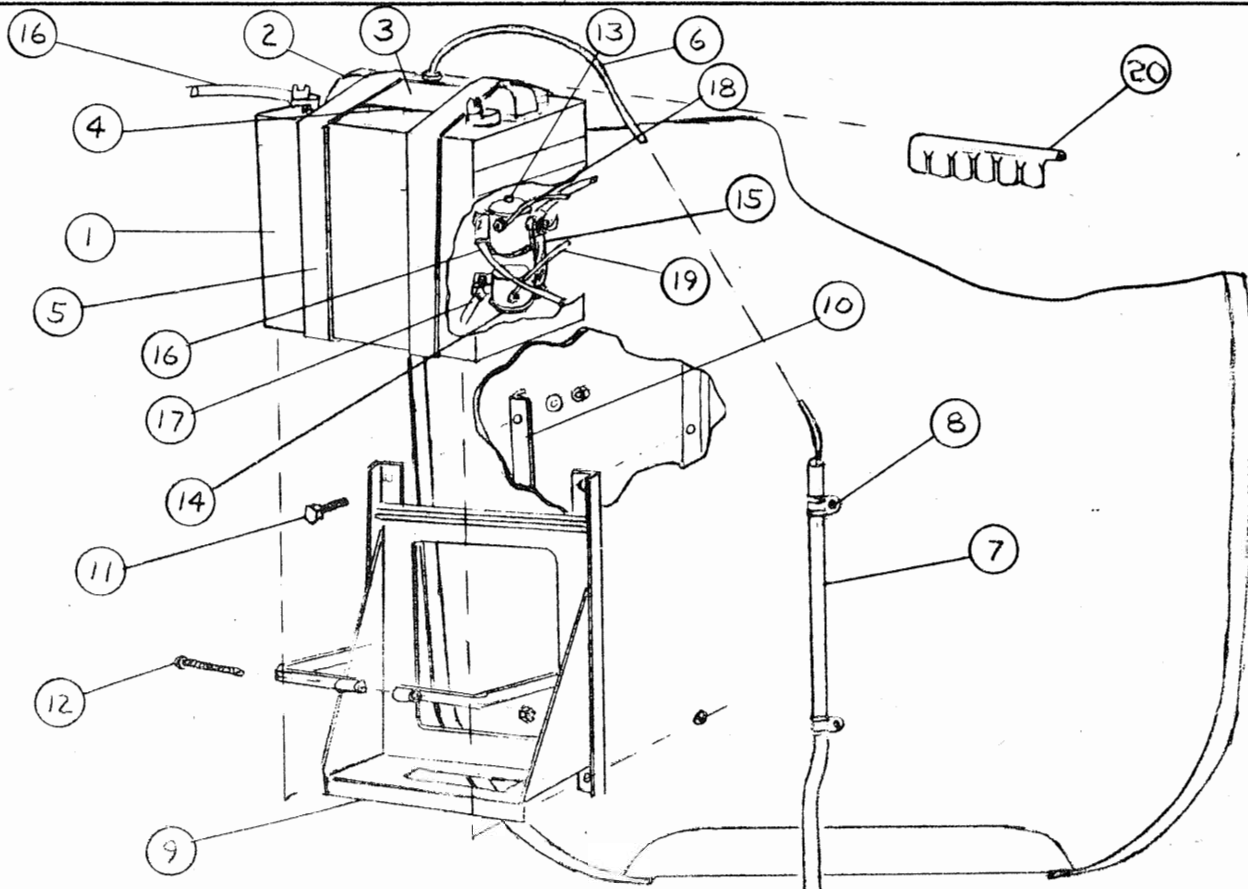


FIGURE 20 . INSTALLATION - BATTERY FIREWALL

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER	ASS'Y
20-	7-1300	DRAWING - INSTALLATION ENGINE 0-235-CI		
1	S25	BATTERY (REBAT)	1	
	6-GCAB-9	BATTERY (GILL)	1	
2	43511150	CAPS - BATTERY (REBAT)	6	
	25185	CAPS - BATTERY (GILL)	6	
3	2-1947	MANIFOLD - BATTERY VENT	1	
4	1-9829	GASKET (BATTERY MANIFOLD)	1	
5	7-1300-4	BAND - MANIFOLD ATTACH	2	
6	7-1300-3	VENT LINE - BATTERY	1	
7	7-1300-1	TUBE - VENT LINE OVERBR'D	1	
8	MS21919DF8	CLAMP	2	
	AS7-10-8SS	SCREW - ATTACHMENT	2	
9	4-1107-3	STAND - BATTERY	1	
10	1-9086	ANGLE - AFT FIREWALL	1	
11	AN3-3A	BOLT - STAND ATTACHMENT	4	
	AN960-10	WASHER	4	
	AN365-1032	NUT	4	
12	AN520-10-20	SCREW - BATTERY ATTACH	1	
	AN365-1032	NUT	1	
13		SOLENOID - BATTERY (CF)	1	
	AN3-3A	BOLT - ATTACHMENT	2	
14		SOLENOID - STARTER C.F.	1	
	AN3-3A	BOLT - ATTACHMENT	2	
15	1-9999	STRAP - SOLENOID CONNECTING	1	
16	4-1000-65	CABLE - BATTERY GROUND	1	
		CABLE - BATTERY + TO S. SOLENOID	1	
17	4-1000-50	CABLE - S. SOLENOID TO STARTER	1	
18	4-1000-25	WIRE - BATT. SOLENOID TO MASTER	1	
		SWITCH		
19	4-1000-103	WIRE - STARTER SOLENOID TO STARTER	1	
		SWITCH		
20	2-1966-1	MANIFOLD - BATTERY - RUBBER (ALT.)	1	
		NOTE: 2-1966-1 MANIFOLD IS RE- PLACEMENT FOR 2-1947 MANI- FOLD, 1-9829 GASKET AND 7-1300-4 BANDS		

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	BC
			UNITS PER ASS'Y	
21-	7-1268	DRAWING - COVERING FUSELAGE		
1	7-1268-1	FABRIC - DACRON - FUSELAGE	1	1
2	2"	TAPE - GRADE A (PREDOPE)	AS	AS
	2"	TAPE - DACRON (ALTERNATE)	REQ'D	REQ.
	2"		AS	AS
3	3"	TAPE - GRADE A (PREDOPE)	REQ'D	REQ.
	3"	TAPE - DACRON (ALTERNATE)	AS	AS
	3"		REQ'D	REQ.
4	3/4"	TAPE - GRADE A (PREDOPE)	AS	AS
	3/4"	TAPE - DACRON (ALTERNATE)	REQ'D	REQ.
	3/4"		AS	AS
	3/4"		REQ'D	REQ.
5	1-2687	PATCH (WING ATTACH FITTING)	2	2
6	1-268-2	PATCH (3" DIA.)	15	15
7	2-828	PATCH (WING ATTACH FITTING)	2	2
8	1-2688	PATCH (AILERON CABLE FAIRLEAD)	2	2
9	2-830	PATCH (STRUT FITTING)	2	2
10	1-2686	PATCH (STABILIZER ATTACH)	2	2
11	2-887	PATCH (STAB. ATTACH)		
12	1-372	PATCH (FIN DRAG WIRE ATTACH)	2	2
13	2-831	PATCH (LIFT HANDLE)	1	1
14	1-268-3	PATCH (4" DIA.)	9	9
15	1-10004	PATCH (ELEVATOR HORN)	4	4
16	2-825	PATCH (STEP)	1	1
17	1-9971	GROMMENT (RUDDER CABLE)	2	2
18	1-617	RING (INSPECTION COVER)	12	12
19	1-268-1	PATCH (6" DIA.)	14	14
20	3-639	INSPECTION COVER		
21	1-9970-1	ANGLE FABRIC RETAINER (DOOR)	1	1
22	1-9970-2	ANGLE FABRIC RETAINER (DOOR)	1	1
23	1-9970-3	ANGLE FABRIC RETAINER (DOOR)	3	3
	AS6-4-6SS	SCREW (ANGLE ATTACHMENT)	17	17
24	AD42BSLF	RIVET (FABRIC ATTACHMENT)	34	34

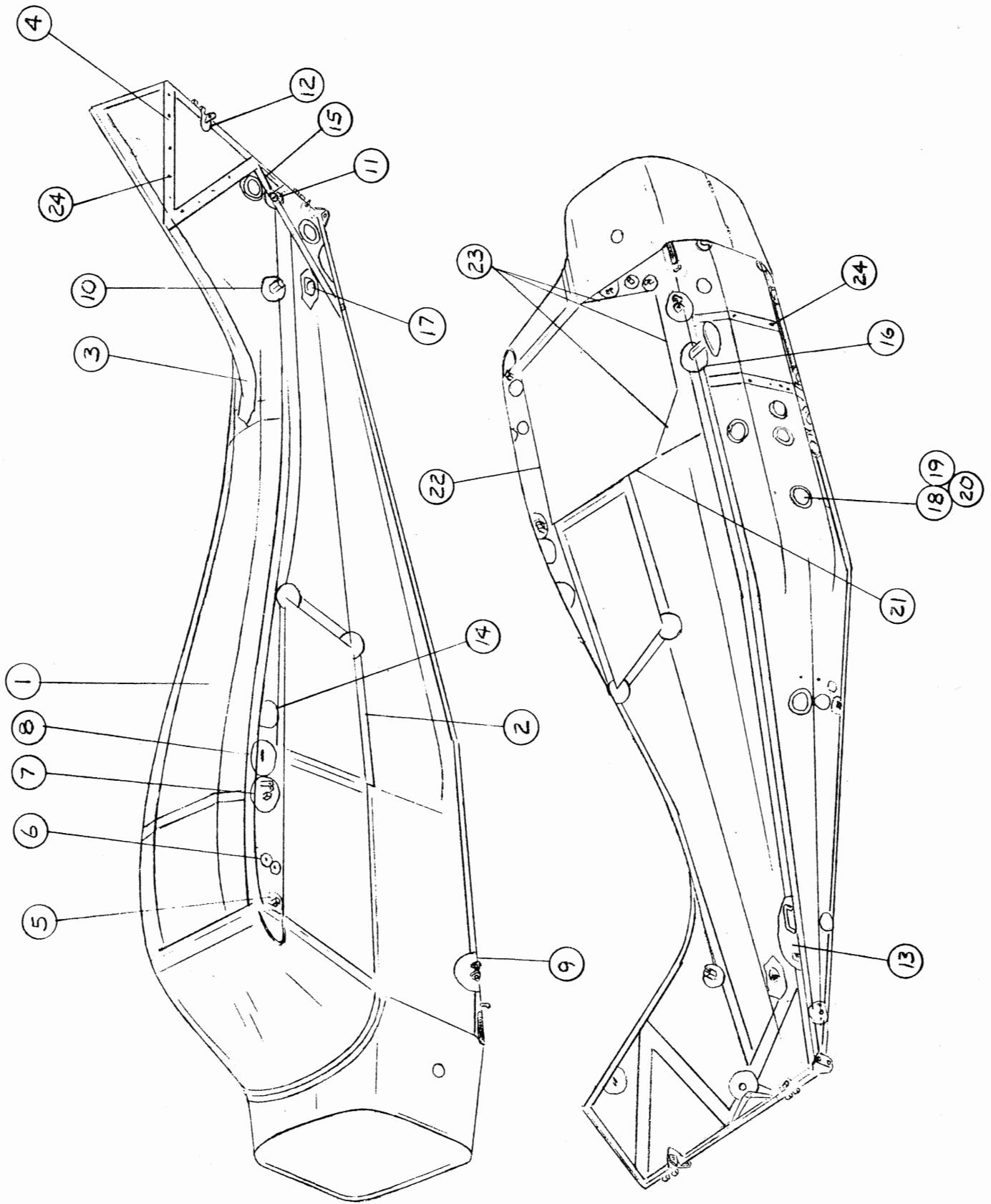


FIGURE 21. INSTALLATION - FUSELAGE COVERING

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			AA, CA, AB	BC
			UNITS PER ASS'Y	
22 -	7-1106 7-1123	DRAWING - WING COVERING DRAWING - WING COVERING (7GCBC)		
1	7-1106-1 7-1123-1	COVER - DACRON COVER - DACRON	1	1
2	7-1106-2 7-1123-2	TAPE 2" (GRADE "A" OR DACRON) TAPE 2" (GRADE "A" OR DACRON)	AS REQ'D AS REQ'D	
3	7-1106-3 7-1123-3	TAPE 3/4" (GRADE "A" OR DACRON) TAPE 3/4" (GRADE "A" OR DACRON)	AS REQ'D AS REQ'D	
4	7-1106-4 7-1123-4	TAPE 3" (GRADE "A" OR DACRON) TAPE 3" (GRADE "A" OR DACRON)	AS REQ'D AS REQ'D	
5	1-617	RING - INSPECTION COVER	7	9
6	1-10019	WASHER (RECTANGULAR)	2	2
7	1-2690 1-2691 1-268-2	PATCH - JURY STRUT PATCH - JURY - FRONT (R. WING) PATCH (3") VENT TUBE (L. WING)	2 1 1	2 1 1
		TANK OUTLET FITTINGS	2	2
	1-268-1	PATCH (6") FUEL GAUGE (R. WING) OVER 1-617 INST. RINGS	1 7	1 9
	2-1517	PATCH - OUTBR'D AILERON BAY	1	1
	2-2048	PATCH - OUTBR'D FLAP BAY		1
	1-268-9	PATCH - FUEL FILLER NECK	1	1
	1-268-8	PATCH - FUEL DRAIN	1	1
	1-2661	WASHER - FUEL DRAIN	1	1
	1-268-5	PATCH - NAV. LIGHT	1	1
	1-2689	PATCH - AILERON HINGE	1	1
	1-2444-4	PATCH - OVER 1-10019 WASHER	2	2
8	AD42BSLF	RIVETS - FABRIC ATTACHMENT	368	368

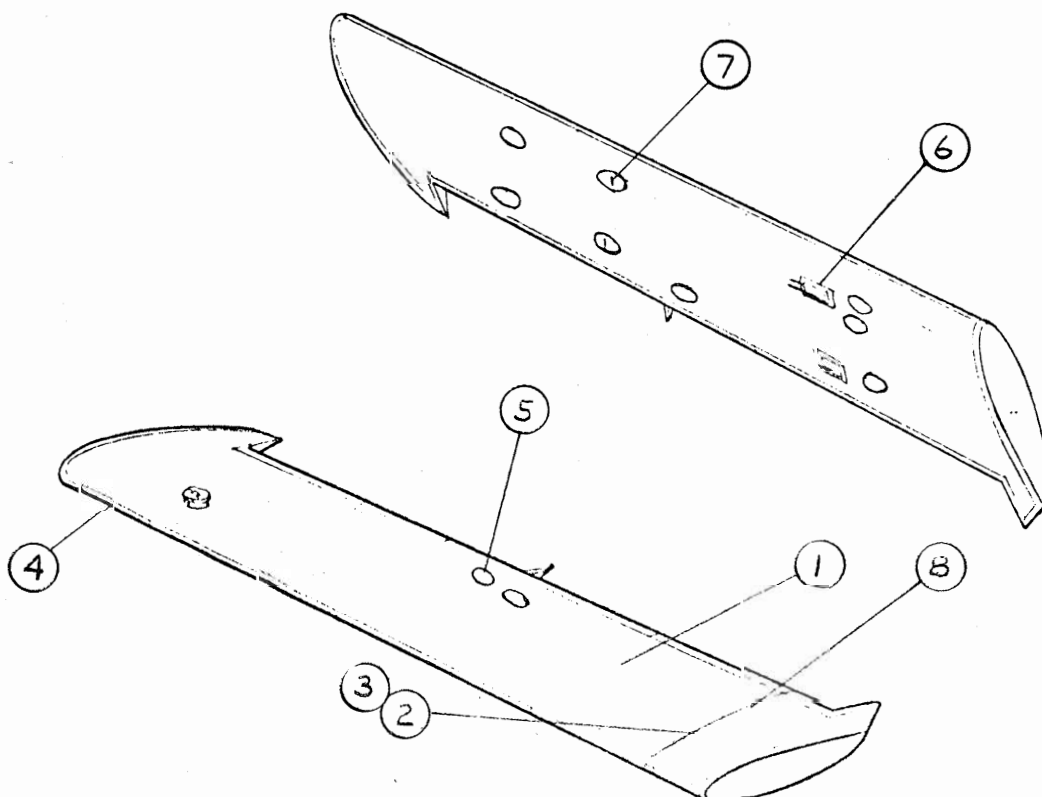


FIGURE 22. INSTALLATION - WING COVERING

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
23-	7-1307 4-1474	DRAWING - INSTALLATION LANDING GEAR DRAWING - INSTALLATION WHEEL PANTS		
1	7-1291	GEAR LEG (STRAIGHT LOWER END)	1L/1R	1L/1R
	7-1404	GEAR LEG (RADII LOWER END)	1L/1R	1L/1R
2	1-9805	"U" BOLT	2	2
3	AN960-716	WASHER	4	4
4	ZEB1845-070	NUT	6	6
5	MS20005-34	BOLT	2	2
6	MS20002 C7	WASHER (UNDER BOLT HEAD)	2	2
7	MS20002-7	WASHER (UNDER NUT)	4	4
8	2-1917	AXLE - ASSEMBLY	2	2
9	AN5-13A	BOLT - ATTACHMENT	8	8
10	AN960-516	WASHER	8	8
11	AN365-524	NUT	8	8
12	1-706	NUT (REQ'D WITHOUT WHEEL PANTS)	2	2
13	AN380-4-8	COTTER PIN	2	2
14	40-28D (040-02804)	WHEEL ASSEMBLY - CLEVELAND	2	2
15	3041A (162-00600)	OUTER WHEEL HALF ASSEMBLY	1	1
	13836 (214-00100)	CUP BEARING	1	1
16	161-16 (161-01600)	INNER WHEEL HALF ASSEMBLY	1	1
	13836 (214-00100)	CUP BEARING	1	1
17	164-5 (164-00500)	BRAKE DISC ASSEMBLY	1	1
18	AN4-36A AN365-428 AN960-416	BOLT (WHEEL HALF ATTACHMENT) NUT WASHER	3 3 3	3 3 3
19	B39094 (153-00500)	RING - GREASE SEAL	4	4
20	39092 (154-00500)	FELT - GREASE SEAL	2	2
21	832 x 1/2" (102-05100)	SCREW	6	6
	1208 (095-15100)	LOCK WASHER	6	6
22	13889 (214-00200)	CONE - BEARING	2	2
23	30-19A (030-01901)	BRAKE ASSEMBLY - CLEVELAND	2	2
24	61-6 (061-00600)	CYLINDER - BRAKE	1	1
25	3002 (062-00300)	PISTON	1	1
26	AN6227-23 (101-02300)	"O" RING	1	1
27	3013	BOLT - ANCHOR	2	2

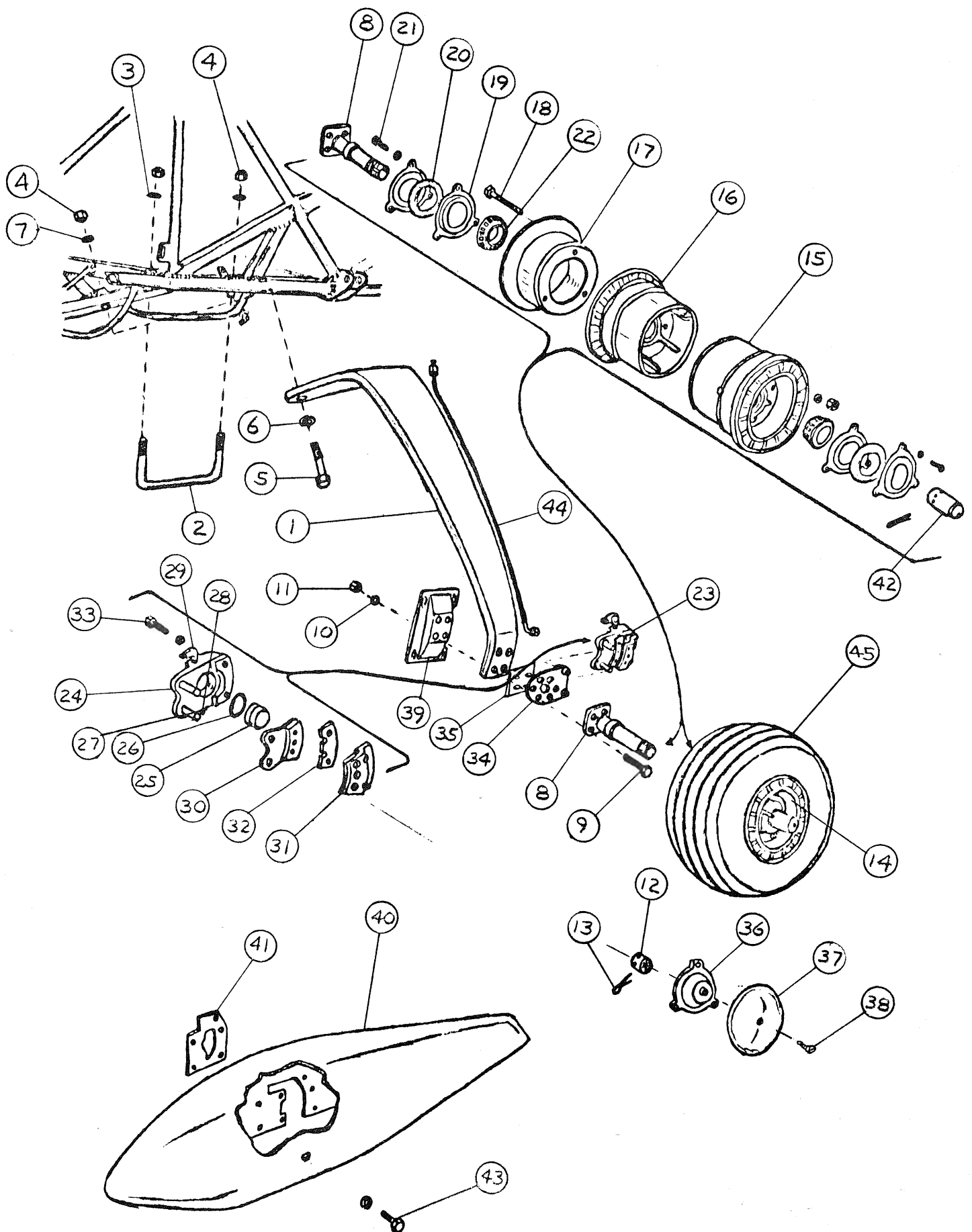


FIGURE 23. INSTALLATION - LANDING GEAR - CLEVELAND WHEELS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER	ASS'Y
23-	(069-00200			
	AN960-616-L	WASHER	2	2
	AN364-624	NUT	2	2
28	FC6446	SCREW - BLEEDER	1	1
	(079-00300)			
	37-206	SEAT - BLEEDER	1	1
	(081-00100			
	183-1	CAP - BLEEDER (RUBBER)	1	1
	(183-00100)			
29	AN823-4D	ELBOW 45°	1	1
30	63-5	PLATE - PRESSURE	1	1
	(063-00500)			
	3006	LINING	1	1
	(066-00200			
	561	RIVETS	3	3
	(105-00200			
31	3012	PLATE - BACK	1	1
	(064-00500			
	3006	LINING	1	1
	(066-00200			
	561	RIVET	3	3
	(105-00200)			
32	68-4	SHIM	1	1
	(068-00400)			
33	LP4-15AM	BOLT	2	2
	(103-11500)			
	AN960-416L	WASHER	2	2
34	75-17	TORQUE PLATE ASSEMBLY	2	2
35	1-9888-1	SHIM (AS NECESSARY FOR CAMBER ANGLE)	1	1
36	38520A	CAP - HUB (REQ'D W/O WHEEL PANTS)	2	2
37	A38550	SHIELD - DUST (REQ. W/O WHEEL PANTS)	2	2
38	10-24 x 1/2"	SCREW (REQ'D W/O WHEEL PANTS)	2	2
39	2-1961	BRACKET - WHEEL PANTS	1L/1R	1L/1R
40	7-1301	WHEEL PANT	1L/1R	1L/1R
41	2-1945	COVER	1L/1R	1L/1R
	B832	NUTS (RUBBER) COVER ATTACH	6	6
	AN526-832-8	SCREW (COVER ATTACH)	6	6
	AN526-1032-10	SCREW (PANT ATTACH)	8	8
	AN960-10L	WASHER	8	8
42	1-9858	WHEEL NUT (WHEEL PANT INSTALLATION)	2	2
43	5/16 x 5/8- 18NC-2	BOLT (PANT ATTACH)	2	2
	AN936-A516	WASHER	2	2
44	1-9855	BRAKE LINE ASSEMBLY	2	2
45	600 x 6 4 ply	TIRE AND TUBE TYPE III	2	2
	600 x 6 6 ply	TIRE AND TUBE TYPE III	2	2
	700 x 6 6 ply	TIRE AND TUBE TYPE III	2	2
	800 x 6 4 ply	TIRE AND TUBE UNIROYAL	2	2
	850 x 6 4 ply	TIRE AND TUBE UNIROYAL	2	2
NOTE: SEE SERVICE MANUAL FOR TIRE SIZE LIMITATIONS.				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
24-	7-1307 4-1583	DRAWING - INSTALLATION LANDING GEAR DRAWING - INSTALLATION WHEEL PANTS		
1	7-1291	GEAR LEG (STRAIGHT LOWER END)	1L/1R	1L/1R
	7-1404	GEAR LEG (RADII LOWER END)	1L/1R	1L/1R
2	1-9805	"U" BOLT	2	2
3	AN960-716	WASHER	4	4
4	ZE81845-070	NUT	6	6
5	MS20005-34	BOLT	2	2
6	MS20002C7	WASHER (UNDER BOLT HEAD)	2	2
7	MS20002-7	WASHER (UNDER NUT)	4	4
8	2-2041	AXLE ASSEMBLY	2	2
9	AN5-13A	BOLT - AXLE ATTACHMENT	8	8
10	AN960-516	WASHER	8	8
11	AN365-524	NUT	8	8
12	1-9947-1	SPACER - AXLE NUT	2	2
13	1-706	NUT - WHEEL (REQ'D W/O WHEEL PANTS)	2	2
14	AN380-4-8	COTTER PIN	2	2
15	600 x 6 4 ply	TIRE & TUBE TYPE III	2	2
	600 x 6 6 ply	TIRE & TUBE TYPE III	2	2
	700 x 6 6 ply	TIRE & TUBE TYPE III	2	2
	800 x 6 4 ply	TIRE & TUBE UNIROYAL	2	2
	850 x 6 4 ply	TIRE & TUBE UNIROYAL	2	2
		NOTE: SEE SERVICE MANUAL FOR TIRE SIZE LIMITATIONS		
16	D30063	ASSEMBLY WHEEL (MCCAULEY)	2	2
17	B-30007	ASSEMBLY - DISC	1	1
18	D-30062	FLANGE WHEEL	2	2
19	D-30066	HUB - WHEEL	1	1
	A-30079-1	CUP - BEARING	2	2
20	A-30079-2	CONE - BEARING	2	2
21	A30011	FELT SEAL	1	1
22	A30013	RETAINER - FELT	2	2
23	B30076	SPACER - PLASTIC	2	2
24	A30010	FELT SEAL	1	1
25	A30014	RETAINER - FELT - OUTER	1	1
26	A30015	RETAINER - FELT - INNER	1	1

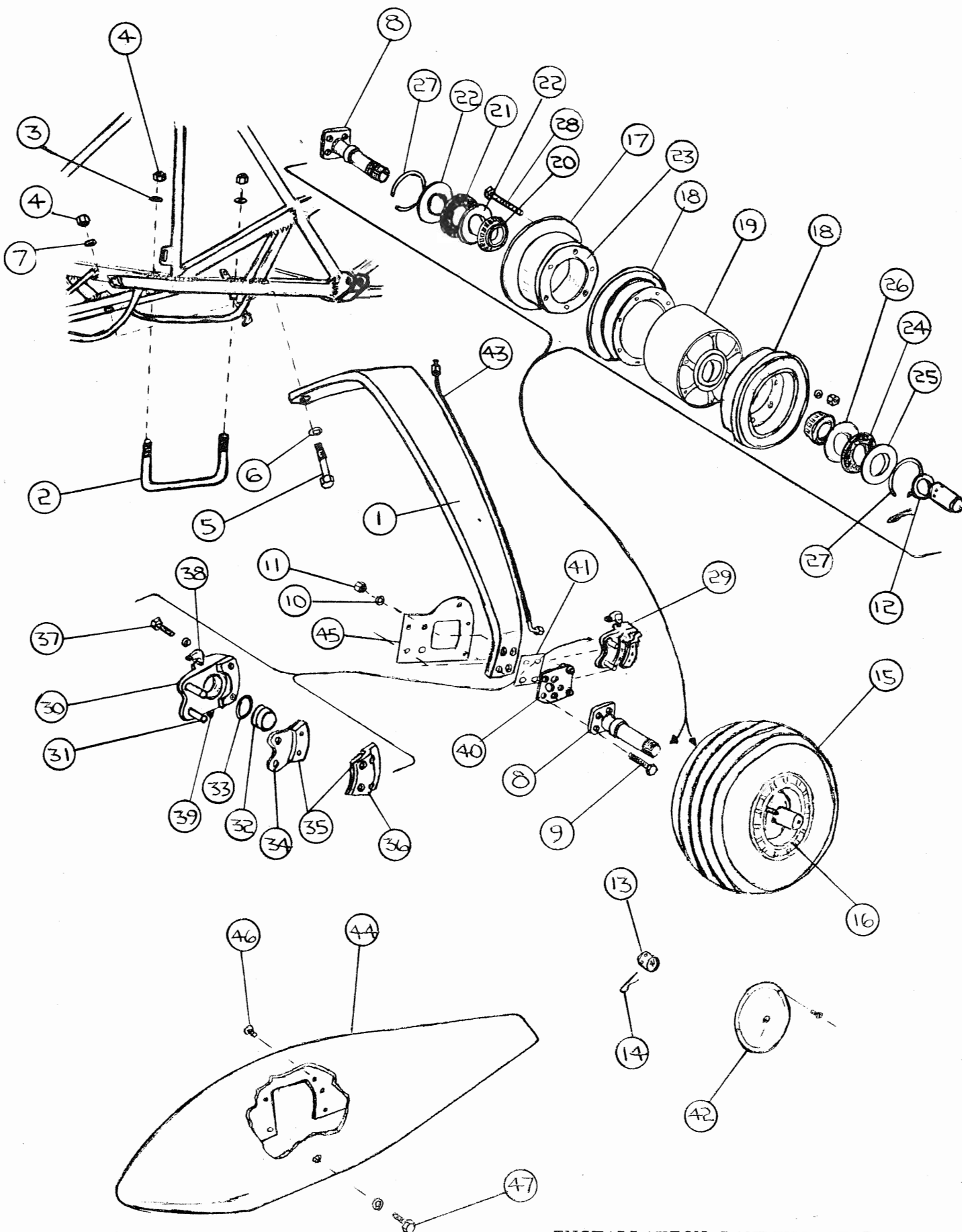


FIGURE 24 - INSTALLATION LANDING GEAR
MCCAULEY WHEELS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
24-27	A-1636-24	RETAINING RING	1	1
28	A-2513-50	BOLT	6	6
	A-1638-15	WASHER	12	12
	A-1639-26	NUT	6	6
29	C-30018-1	BRAKE ASSEMBLY - MCCAULEY	2	2
30	C-30041	CYLINDER	1	1
31	A-30023	GUIDE PIN	2	2
	A-1638-15	WASHER	2	2
	A-1639-26	NUT	2	2
32	B-30022	PISTON	1	1
33	A-1633-45	"O" RING	1	1
34	B-30025	PRESSURE PLATE	1	1
35	B-30026	LINING - BRAKE	2	2
	A-30087	RIVET	4	4
36	C-30028	BACK PLATE	1	1
37	A-2513-49	BOLT	2	2
	A-1638-15	WASHER	2	2
38	AN823-4D	ELBOW - BRAKE LINE	1	1
39	A-30030	BLEEDER FITTING	1	1
	A-30085	SCREW - BLEEDER	1	1
	A-30040	CAP - DUST	1	1
40	B-30166	TORQUE PLATE ASSEMBLY	2	2
41	1-9888-1	SHIM (AS NECESSARY FOR CAMBER ANGLE)	2	2
42		COVER - DUST (REQ'D W/O WHEEL PANTS)	2	2
		SCREW - DUST COVER ATTACH	6	6
43	1-9855	BRAKE LINE ASSEMBLY	2	2
44	7-1301-2	WHEEL PANTS	1L/1R	1L/1R
45	3-1502-1	BRACKET ASSEMBLY	1L/1R	1L/1R
46	AN526-1032-10	SCREW	10	10
47	5/16 x 5/8	BOLT (PANT ATTACH)	2	2
	NC-2		2	2
	AN936-A516	WASHER	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, CA, AB	BC
			UNITS PER ASS'Y	
25-	4-1471	DRAWING - INSTALLATION BRAKE SYSTEM CLEVELAND		
1	1-2277	SECTOR - PARKING BRAKE	1	1
2	AN3-5A	BOLT - SECTOR ATTACHMENT	2	2
3	2-797	LEVER - PARKING BRAKE	1	1
4	1-2325	PLATE - PARKING BRAKE	1	1
5	1-2519	SPRING	1	1
6	AN3-7	BOLT - LEVER ATTACH	1	1
	AN310-3	NUT	1	1
	AN380-2-2	COTTER PIN	1	1
7	AN3-12	BOLT	1	1
	AN310-3	NUT	1	1
	AN380-2-2	COTTER PIN	1	1
8	AN526-832-8	SCREW	1	1
	C365-832-1	NUT	1	1
9	1-2306	LINK	2	2
10	AN3-5A	BOLT	1	1
	AS16095-0-8	BUSHING	1	1
	AN365-1032	NUT	1	1
11	1-9945-1	CABLE ASSEMBLY (73")	1	1
	1-9945-2	CABLE ASSEMBLY (59")	1	1
12	1-2361	CLAMP - CABLE ADJUSTMENT	2	2
	1-2362	PLATE - CABLE ADJUSTMENT	2	2
	AN3-4A	BOLT	2	2
	AN960-10	WASHER	2	2
	AN365-1032	NUT	2	2
13	1-2578-12	CASING (LEFT BRAKE)	1	1
	1-2578-11	CASING (RIGHT BRAKE)	1	1
14	AN4-4A	BOLT (CASING ATTACH TO FRAME)	4	4
	AN960-416	WASHER	4	4
	AN365-428	NUT	4	4

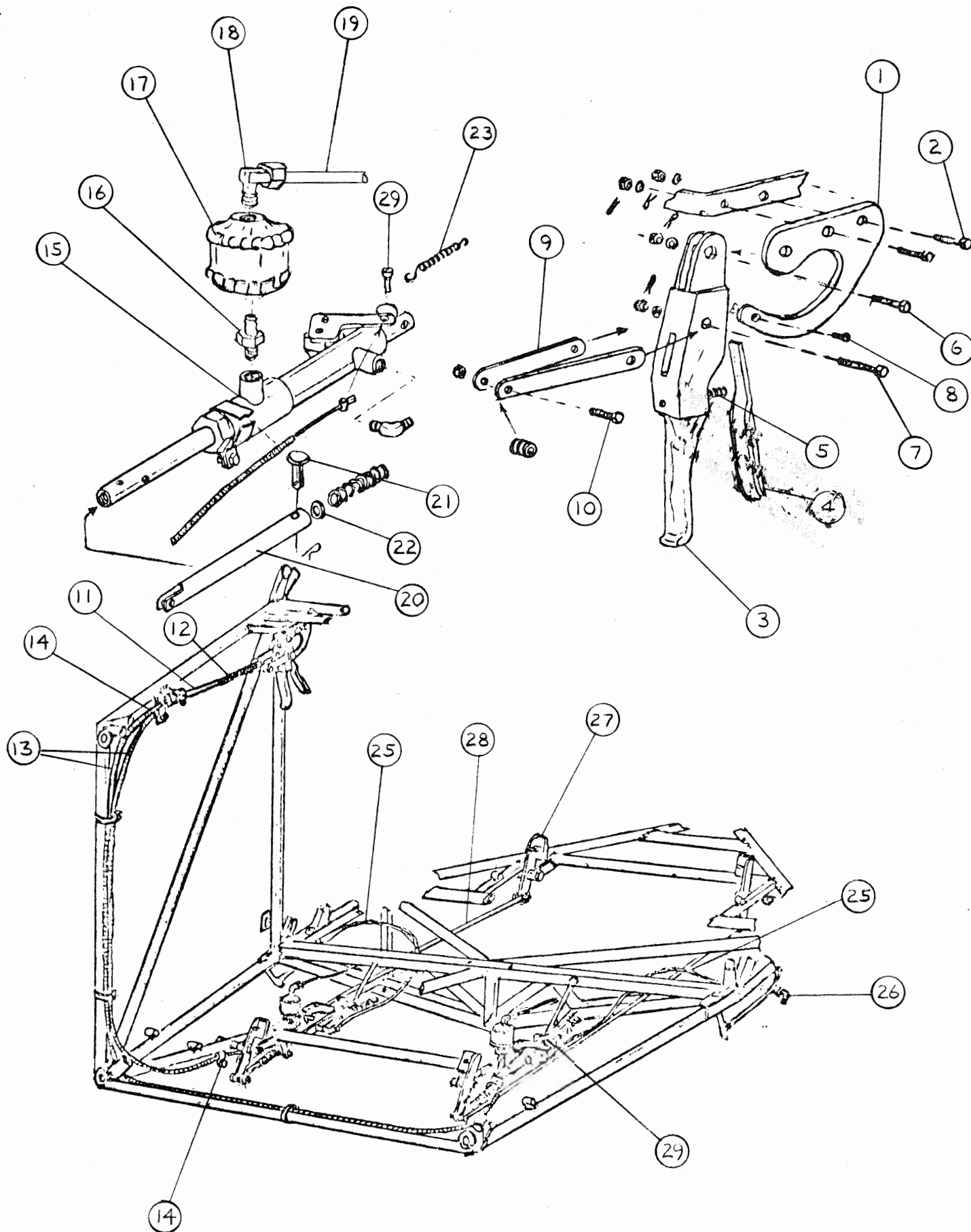


FIGURE 25. INSTALLATION - BRAKE SYSTEM (CLEVELAND)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, CA, AB	BC
			UNITS PER ASS'Y	
25-15	10-5	BRAKE CYLINDER - CLEVELAND	2	2
16	AN911-1D	NIPPLE	2	2
17	1-9944	RESERVOIR	2	2
18	69F	ELBOW	2	2
	1/8 x 1/8			
19	4-1471-4	COPPER LINE - VENT OVERBR'D	2	2
20	1-9850	ROD - EXTENSION	2	2
21	AN392-17	PIN	2	2
	AN380-2-2	KEY	2	2
22	AN960-616	WASHER	2	2
23	1-3516	SPRING - PARKING BRAKE RETURN	2	2
24	AN515-8-6	SCREW - CABLE ATTACH	2	2
25	4-1471-3	LINE - BRAKE - CYLINDER TO GEAR	2	2
	AN818-4D	NUT	4	4
	AN819-4D	SLEEVE	4	4
26	AN833-4D	ELBOW	2	2
	AN960-716	WASHER	2	2
	AN924-4D	NUT	2	2
27	1-2613	PEDAL - BRAKE	2L/2R	2L/R
	AN4-26	BOLT (ATTACH FW'D PEDALS)	2	2
	AN4-20	BOLT (ATTACH AFT PEDALS)	2	2
	AN960-416L	WASHER	4	4
	AN310-4	NUT	4	4
	AN380-2-2	COTTER PIN	4	4
28	1-9911	ROD - BRAKE PEDAL CONNECTING	2	2
	AN3-7	BOLT (ROD TO PEDAL ATTACH)	4	4
	AN960-10	WASHER	8	8
	AN310-3	NUT	4	4
	AN380-2-2	COTTER PIN	4	4
29	AN3-7	BOLT (BRAKE CYL. TO FRAME ATTACH)	2	2
	AN310-3	NUT	2	2
	AN380-2-2	COTTER PIN	2	2

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, BC	AB
			UNITS PER ASS'Y	
26-	10-5	ASSEMBLY - MASTER CYLINDER (CLEVELAND)	1	1
1	AN823-4D	ELBOW	2	2
2	82-11	SPRING	1	1
3	AN6227-1	"O" RING	1	1
4	146-2	VALVE	1	1
5	189-1	CYLINDER	1	1
6	155-5	SNAP - RING	1	1
7	145-15	BUSHING	1	1
8	82-8	SPRING	1	1
9	92-15	PISTON ASSEMBLY	1	1
10	110-3"/16	DYNA - SEAL	1	1
11	141-5	GLAND - PACKING	1	1
12	AN6227-11	"O" RING (OUTSIDE)	1	1
13	AN6227-7	"O" RING (INSIDE)	1	1
14	82-9	SPRING	1	1
15	142-5	ROD - PISTON	1	1
16	AN960-416L	WASHER	1	1
17	1/4 -28	NUT - JAM	1	1
18	143-4	CLEVIS	1	1
19	145-9	BUSHING	1	1
	#8-32x 1/8	SET SCREW	1	1
20	AN6227-5	"O" RING	2	2
	145-7	BUSHING	1	1
	82-10	SPRING	1	1
	AN960-10	WASHER	1	1
	AN364-1032	NUT	1	1
NOTE: ALL PART NUMBERS PERTAIN TO CLEVELAND PART NUMBERS.				

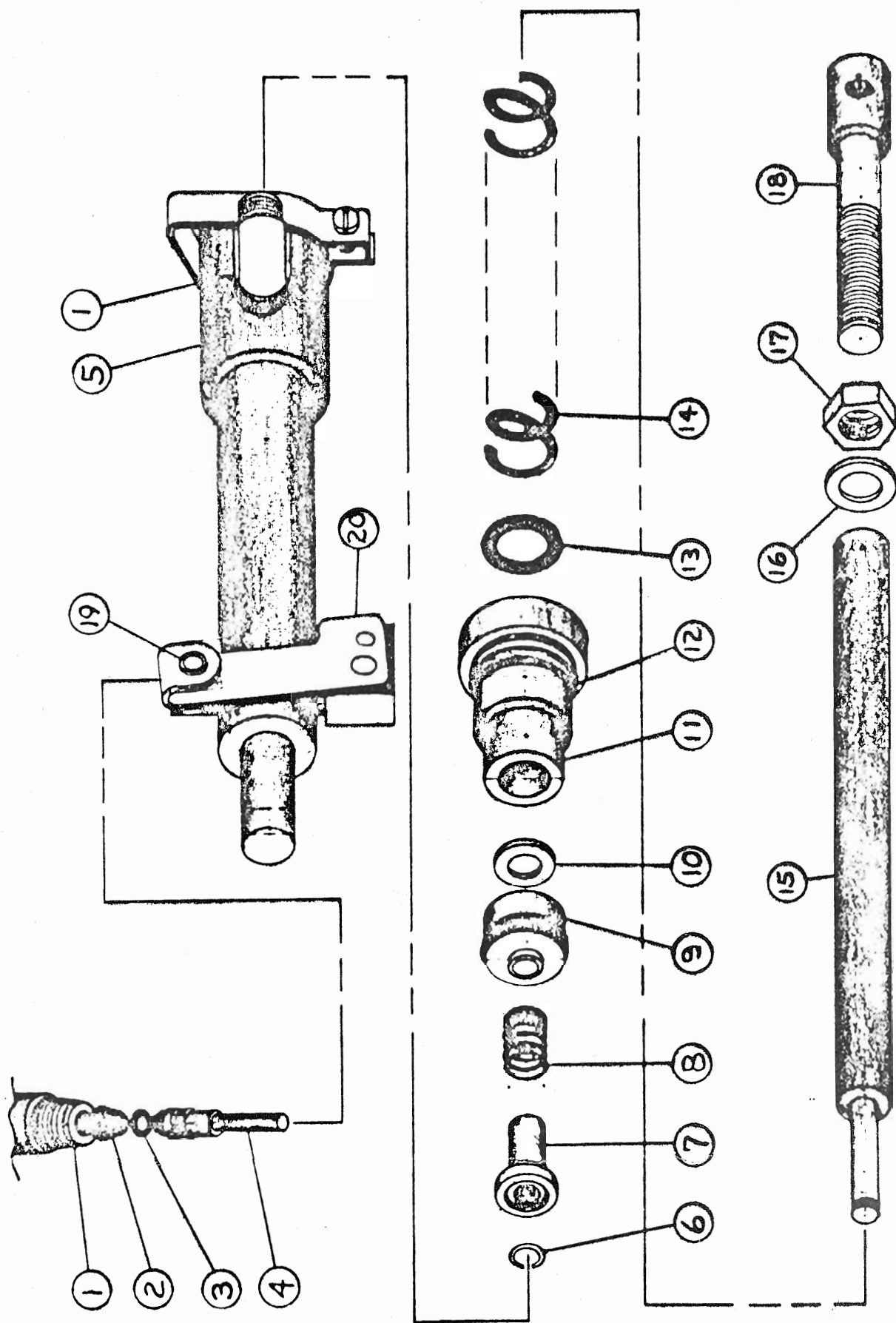


FIGURE 26 - ASSEMBLY MASTER CYLINDER (CLEVELAND)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, CA, AB	BC
			UNITS PER ASS'Y	
27-	4-1557	DRAWING - INST. BRAKE SYSTEM (GERDES)		
1	A-110-10	MASTER CYLINDER - GERDES	2	2
2	AN3-6	BOLT (CYLINDER TO FRAME ATTACH)	2	2
	AN310-3	NUT	2	2
	AN380-2-2	COTTER PIN	2	2
3	AN822-4D	ELBOW - MASTER CYLINDER	2	2
4	4-1557-4	LINE - MASTER CYL. TO PARK BRAKE VAL.	2	2
	AN818-4D	NUT	4	4
	AN819-4D	SLEEVE	4	4
5	A-850-1	VALVE - PARKING BRAKE	1	1
	AN526-1032-22	SCREW (ATTACHMENT TO FLOORBR'D)	2	2
	AN960-10	WASHER	2	2
	AN365-1032	NUT	2	2
6	AN816-4D	FITTING - VALVE	4	4
7	1-10181	BRACKET - PARK BRAKE CONTROL	1	1
	AN741-3	CLAMP - CONTROL	1	1
	AN3-3A	BOLT	1	1
	AN365-1032	NUT	1	1
8	1-2584	BOLT - CONTROL ATTACH	1	1
	AN365-1032	NUT	1	1
9	4-1557-5	LINE - PARK VALVE TO GEAR FITT.	2	2
	AN818-4D	NUT	4	4
	AN819-4D	SLEEVE	4	4
10	AN837-4D	ELBOW	2	2
	AN960-716	WASHER	2	2
	AN924-4D	NUT	2	2
11	A-315	RESERVOIR - GERDES	1	1
	AN526-1032-6	SCREW - ATTACHMENT - FIREWALL	2	2
	AN936-A10	WASHER	2	2
12	69F 1/8 1/8	ELBOW - RESERVOIR VENT	1	1
13	4-1557-1	LINE - RESERVOIR VENT	1	1
14	62001	ADAPTER	3	3
15	4-1557-2	LINE - RESERVOIR TO TEE	1	1
16	62063	TEE	1	1
17	4-1557-3	LINE - TEE TO MASTER CYL.	2	2
18	1-2613	PEDAL BRAKE	2L/2R	2L/R
	AN4-26	BOLT - ATTACHMENT FW'D	2	2
	AN4-20	BOLT - ATTACHMENT AFT	2	2
	AN960-416	WASHER	4	4
	AN310-4	NUT	4	4
	AN380-2-2	COTTER KEY	4	4
19	1-9911	ROD - PEDAL CONNECTING	2	2
20	AN3-5	BOLT (AFT ROD ATTACH)	2	2
	AN960-10L	WASHER	4	4
	AN310-3	NUT	2	2
	AN380-2-2	COTTER KEY	2	2
21	AN3-10	BOLT (FW'D ROD & CYL. ATTACH)	2	2
	AN960-10	WASHER	8	8
	AN310-3	NUT	2	2
	AN380-2-2	COTTER KEY	2	2
22	1-9165-6	CONTROL - PARKING BRAKE	1	1
23	1-10180	PLACARD - INST. PANEL	1	1

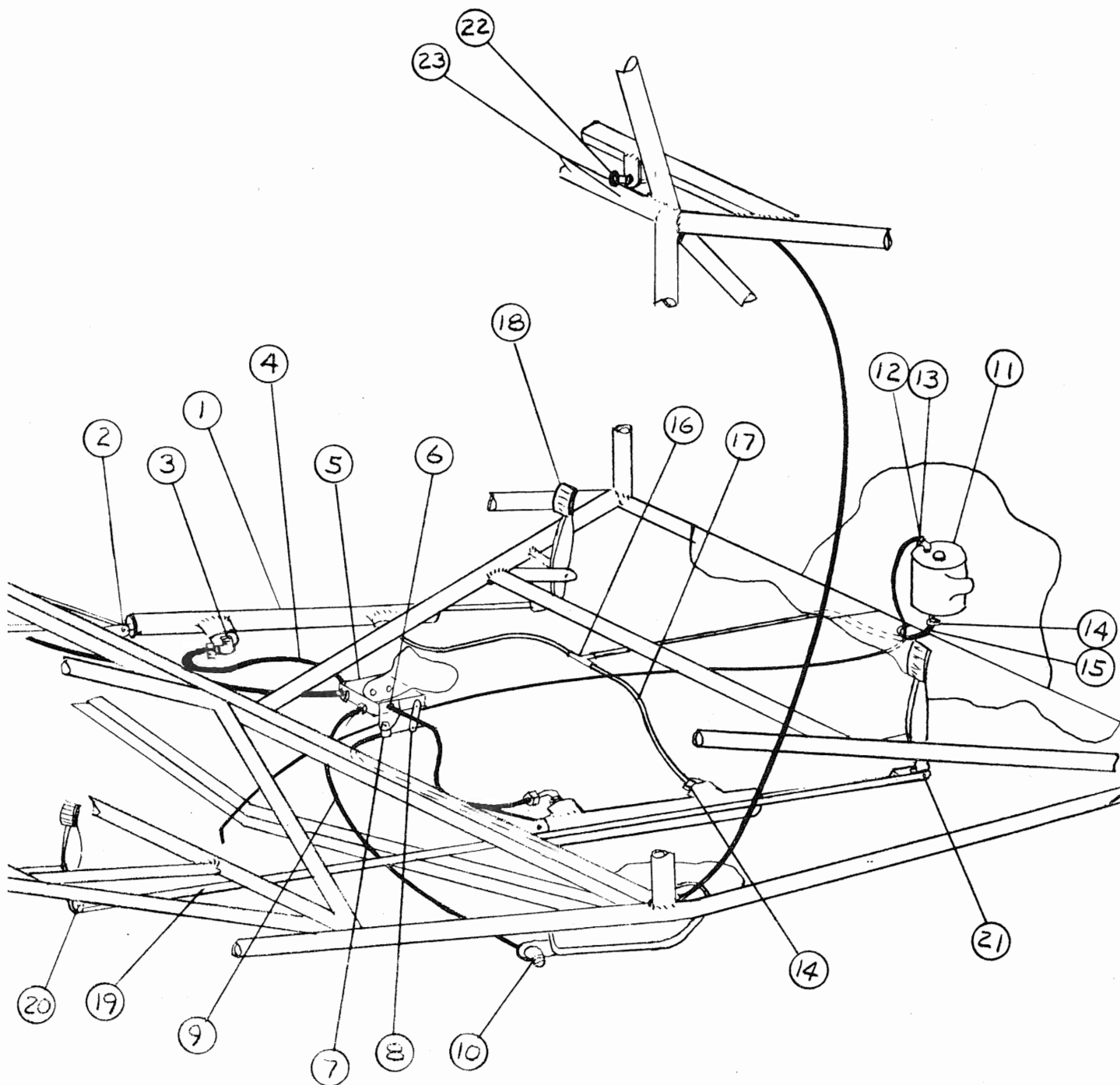


FIGURE 27 INSTALLATION - BRAKE SYSTEM (GERDES)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, BC	AB
			UNITS PER ASS'Y	
28-	A-110-10	ASSEMBLY MASTER CYLINDER	2	2
1	A-658-A	HOUSING ASSEMBLY	1	1
2	A-323-A	SPRING	1	1
3	X5133-21	SNAP RING	2	2
4	A-113-A	SPRING	1	1
5	A-497-A	PISTON	1	1
6	-111	"O" RING	1	1
7	A-138-A	SPACER	1	1
8	A-104-A	END CAP	1	1
9	-014	"O" RING	1	1
10	-011	"O" RING	1	1
11	A-137-A1	SHAFT & COLLAR ASSEMBLY	1	1
12	-008	"O" RING	1	1
13	AN316-5	NUT	1	1
14	A-193-A	CLEVIS END	1	1

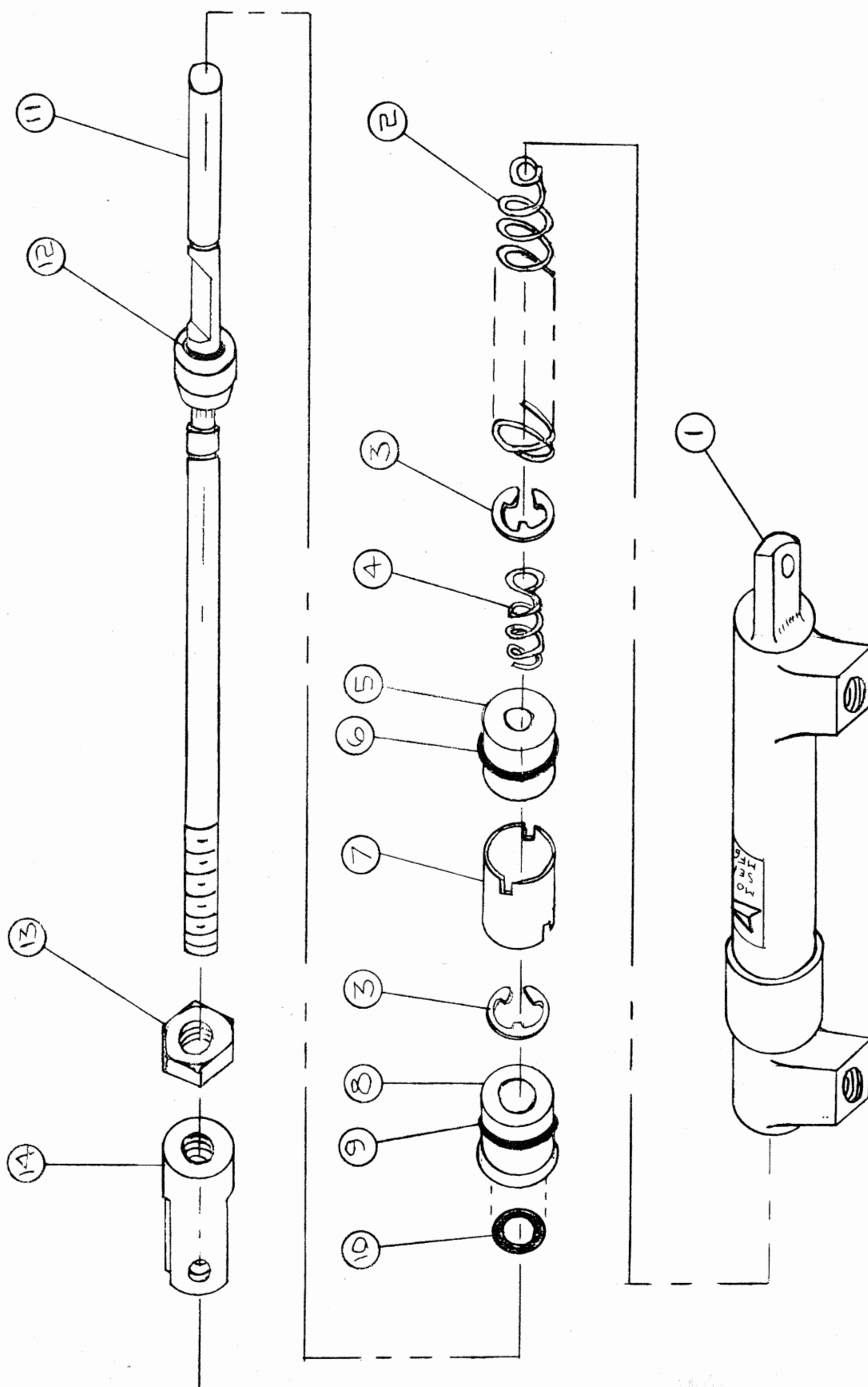


FIGURE 28 - ASSEMBLY - MASTER CYLINDER (GERDES)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, BC	AB
			UNITS PER	ASS'Y
29-	A-850-1	ASSEMBLY - PARKING BRAKE VALVE (GERDES)	1	1
1	A-866-A	VALVE BODY	1	1
2	AN816-4D	ELBOW	2	2
3	28420-093-10	PIN	2	2
4	-008	"O" RING	2	2
5	3/16 dia.	STAINLESS STEEL BALL	2	2
6	A-1259-A	SPRING	2	2
7	-012	"O" RING	2	2
8	A-867-A	FITTING	2	2
9	A-908-A	ARM ASSEMBLY	1	1
10	-010	"O" RING	3	3
11	N5100-37MD	SNAP RING	1	1

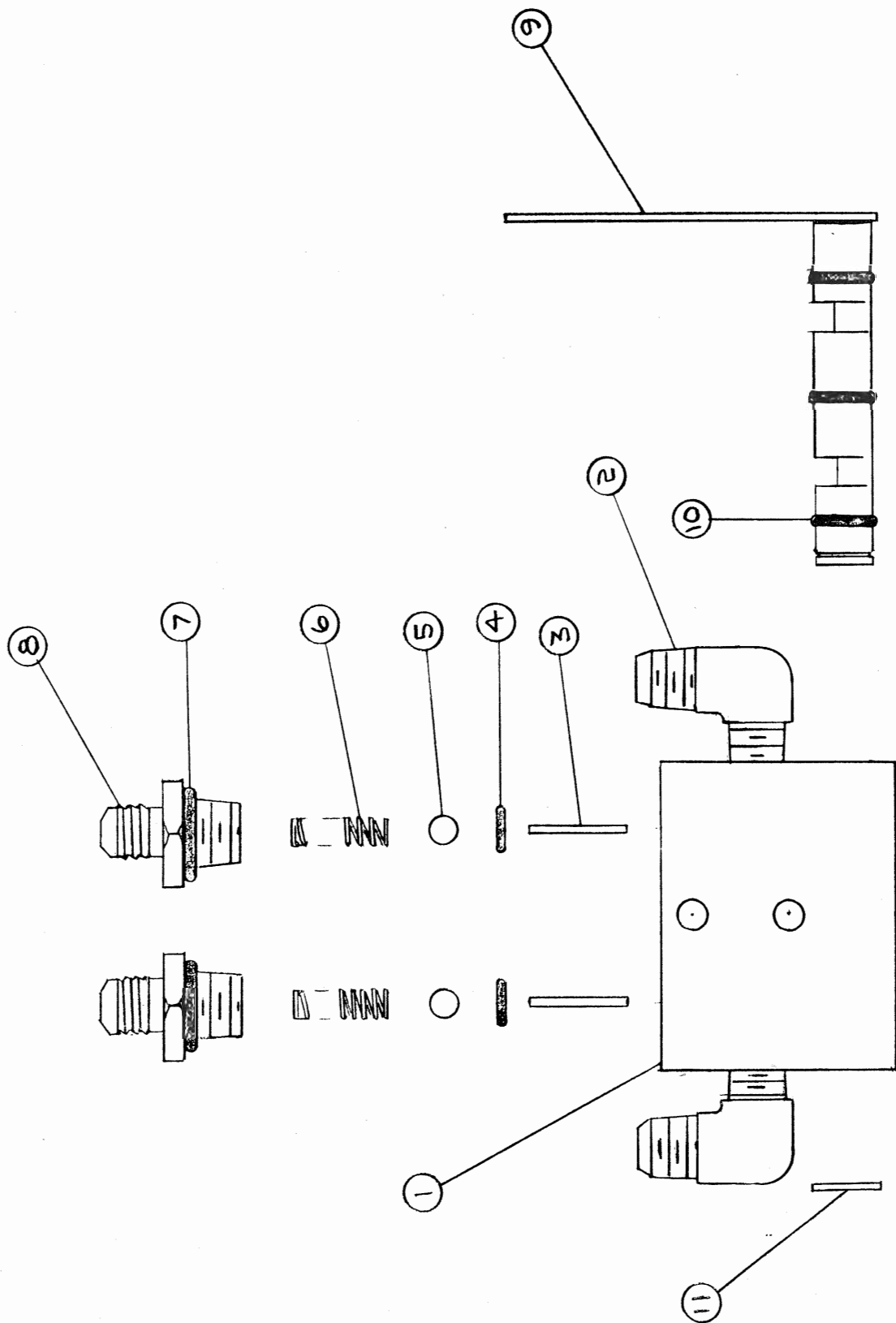


FIGURE 29 - ASSEMBLY - PARKING BRAKE VALVE (GERDES)

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
30-	3-486 4-1080	DRAWING - INSTALLATION MAULE TAILWHEEL DRAWING - INSTALLATION SCOTT TAILWHEEL		
1	3-10012	TAILWHEEL ARM	1	1
2	AN3-13A	BOLT	2	2
3	AN960-10	WASHER	2	2
4	AN365-1032	NUT	2	2
5	3-428-1	SPRING	1	1
6	3-428-2	SPRING	1	1
7	3-428-3	SPRING	1	1
8	1-8854	FITTING	1	1
9	AN6-22	BOLT	1	1
10	AN310-6	NUT	1	1
11	AN380-3-4	KEY	1	1
12	AN960-516	WASHER	2	2
13	AN365-524	NUT	2	2
14	1-557-2	PAD	1	1
15	1-557-1	PAD	1	1
16	2-1525	SPRING	2	2
17	AN7-20	BOLT {SCOTT TAILWHEEL}	1	1
	AN7-14	BOLT {MAULE TAILWHEEL}	1	1
18	1-8971	BUSHING {SCOTT TAILWHEEL}	1	1
19	1-8970	ADAPTER {SCOTT TAILWHEEL}	1	1
20	AN960-716	WASHER	1	1
21	AN310-7	NUT	1	1
22	AN380-3-4	KEY	1	1
23	3200	TAILWHEEL {SCOTT}	1	1
24	SFS-1-2-P8	TAILWHEEL {MAULE}	1	1

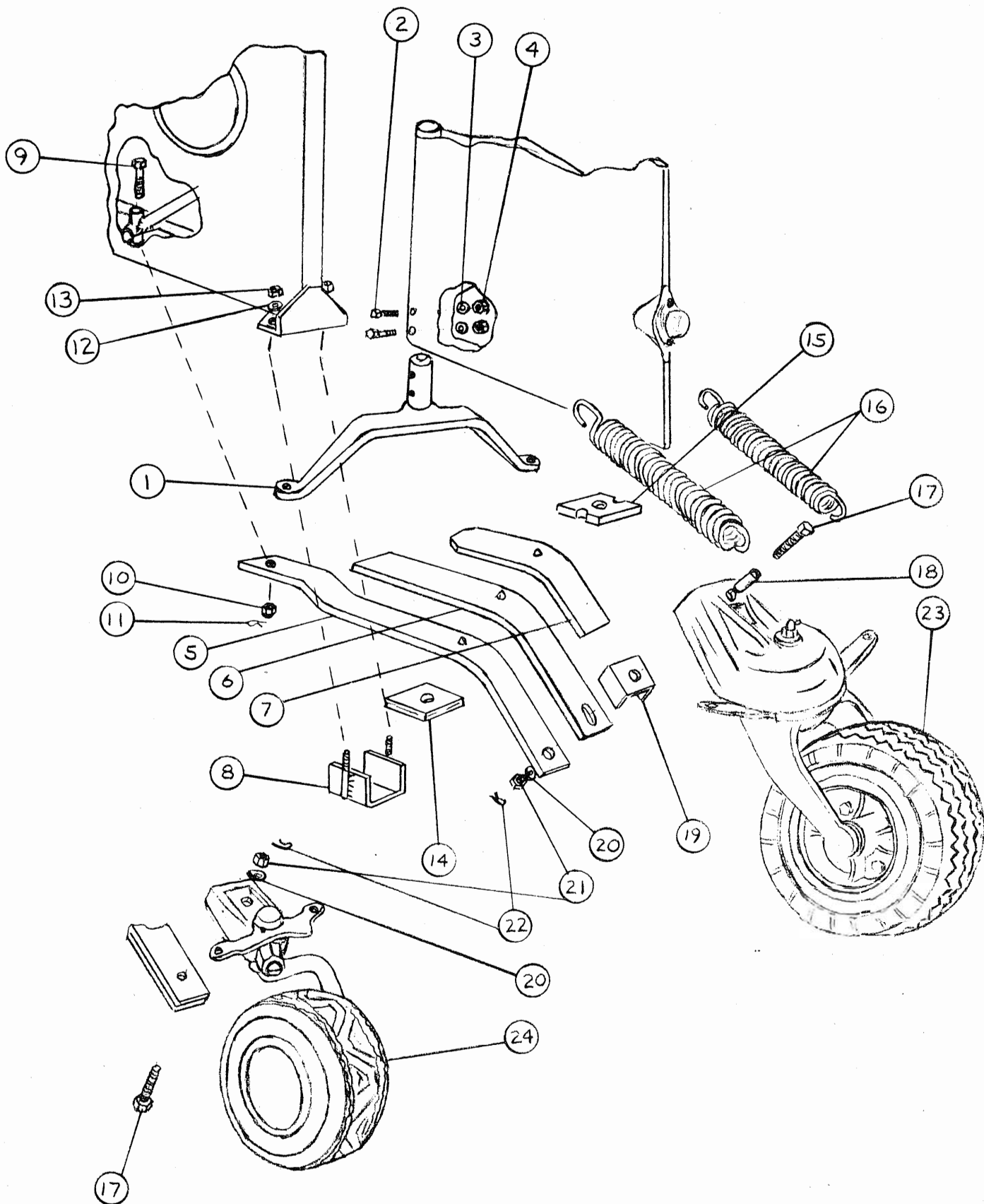


FIGURE 30. INSTALLATION - TAIL WHEELS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	
			UNITS PER	ASS'Y
31-	7-1320	DRAWING - ASSEMBLY WING FRAME		
		NOTE: BELOW PARTS FOR A LEFT WING, RIGHT WING PARTS OPPOSITE, UNLESS NOTED		
1	5-262	SPAR - FRONT	1L	
2	5-263	SPAR - REAR	1L	
3	2-701	FITTING - FRONT SPAR BUTT	1	
4	AN6-14A	BOLT	3	
	AN960-616	WASHER	3	
	AN365-624	NUT	3	
5	AN4-15A	BOLT	1	
	AN960-416	WASHER	1	
	AN365-428	NUT	1	
6	AN3-12A	BOLT	1	
	AN960-416	WASHER	1	
	AN365-428	NUT	1	
7	1-2267-1	SHIM - WING RIB (.093)	2	
	1-2267-2	SHIM - WING RIB (.032)	1	
8	MS21919DF2	CLAMP (NAV. LITE WIRES)	1	
9	2-703	FITTING - REAR SPAR BUTT	1	
10	AN6-14A	BOLT	3	
	AN365-624	NUT	3	
	AN960-616	WASHER	3	
11	AN4-14A	BOLT	1	
	AN960-416	WASHER	1	
	AN365-428	NUT	1	
12	AN4-13A	BOLT	1	
	AN970-4	WASHER	1	
	AN960-416	WASHER	1	
	AN365-428	NUT	1	
13	7-791	RIB - BUTT	1L	
14	5-185-2	RIB - NOSE (TANK AREA)	3	
	1-8863	SPACER NOSE RIB (WOOD)	3	
	AC301-18-8	NAIL	9	
15	3-1183	RIB - TRAILING (TANK AREA)	3	
16	7-445-6	RIB	1R	
	AN3-12A	BOLT (RIB ATTACH REAR)	1	
	AN365-1032	NUT	1	
	AN970-3	WASHER	2	
	AN4-13A	BOLT (RIB ATTACH FRONT AND REAR)	3	
	AN960-416	WASHER	2	
	AN970-4	WASHER	6	
	AN365-428	NUT	3	
	1-2267-1	SPACER (FRONT)	1	
	1-2267-2	SPACER (REAR)	1	
17	5-142	RIB	4	
18	7-445	RIB	1R	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	
			UNITS PER ASS'Y	
31-	AN4-13A	BOLT (RIB ATTACH, FRONT, UPPER)	1	
	AN365-428	NUT	1	
	AN970-4	WASHER	2	
	AN3-12A	BOLT (RIB ATTACH FRONT LOWER)	1	
	AN960-10	WASHER	1	
	AN970-3	WASHER	2	
	AN365-1032	NUT	1	
	1-2267-1	SPACER - FRONT	1	
	1-2267-2	SPACER - REAR	1	
19	5-181	RIB - AILERON BAY	7	
20	4-1030	RIB - WING TIP	1	
21	5-267	TIP - WING	1L	
22	2-694	STRUT - COMPRESSION	3	
23	1-2301	FITTING - DRAG WIRE	6	
	AN4-12A	BOLT	12	
	AN960-416L	WASHER	12	
	AN365-428	NUT	12	
24	1-2302	STRUT (COMPRESSION)	1	
25	1-2300	LUG (DRAG WIRE ATTACH)	2	
26	2-893	FITTING (WING STRUT ATTACH)	1	
27	AN76-16	BOLT (STRUT ATTACH)	2	
28	AN6H15A	BOLT (STRUT FITTING ATTACH)	2	
29	AN6-15A	BOLT (STRUT FITTING ATTACH)	1	
	AN960-616	WASHER	2	
	AN365-624	NUT	3	
30	1-2289	PLATE	2	
31	2-689	HINGE - SUPPORT AILERON	2	
	AN4-13A	BOLT (ATTACHMENT)	4	
	AN960-416	WASHER	4	
	AN970-4	WASHER	4	
	AN365-428	NUT	4	
32	2-1915	TRAILING EDGE	1	
	AS6-4-4SS	SCREW (ATTACHMENT)	20	
33	5-301	SKIN - AILERON BAY	1	
	AS6-4-4SS	SCREW (ATTACHMENT)	35	
34	2-851	RIB - AILERON SECTOR	1L	
35	2-852	COVER - AILERON SECTOR	1	
	AS6-4-4SS	SCREW (ATTACHMENT)	10	
36	1-8826	TRAILING EDGE - WING TIP	1	
	AS6-4-4SS	SCREW (ATTACHMENT)	8	
37	2-699	STIFFENER (WOOD)	1	
	AS6-6-6SS	SCREW (ATTACHMENT)	5	
38	2-10001	BRACE - WING TIP	1L	
	AN526-832-16	SCREW (BRACE TO RIB ATTACH)	1	
	AN960-8	WASHER	1	
	AN365-832	NUT	1	
	AN3-12A	BOLT (BRACE TO SPAR ATTACH)	1	

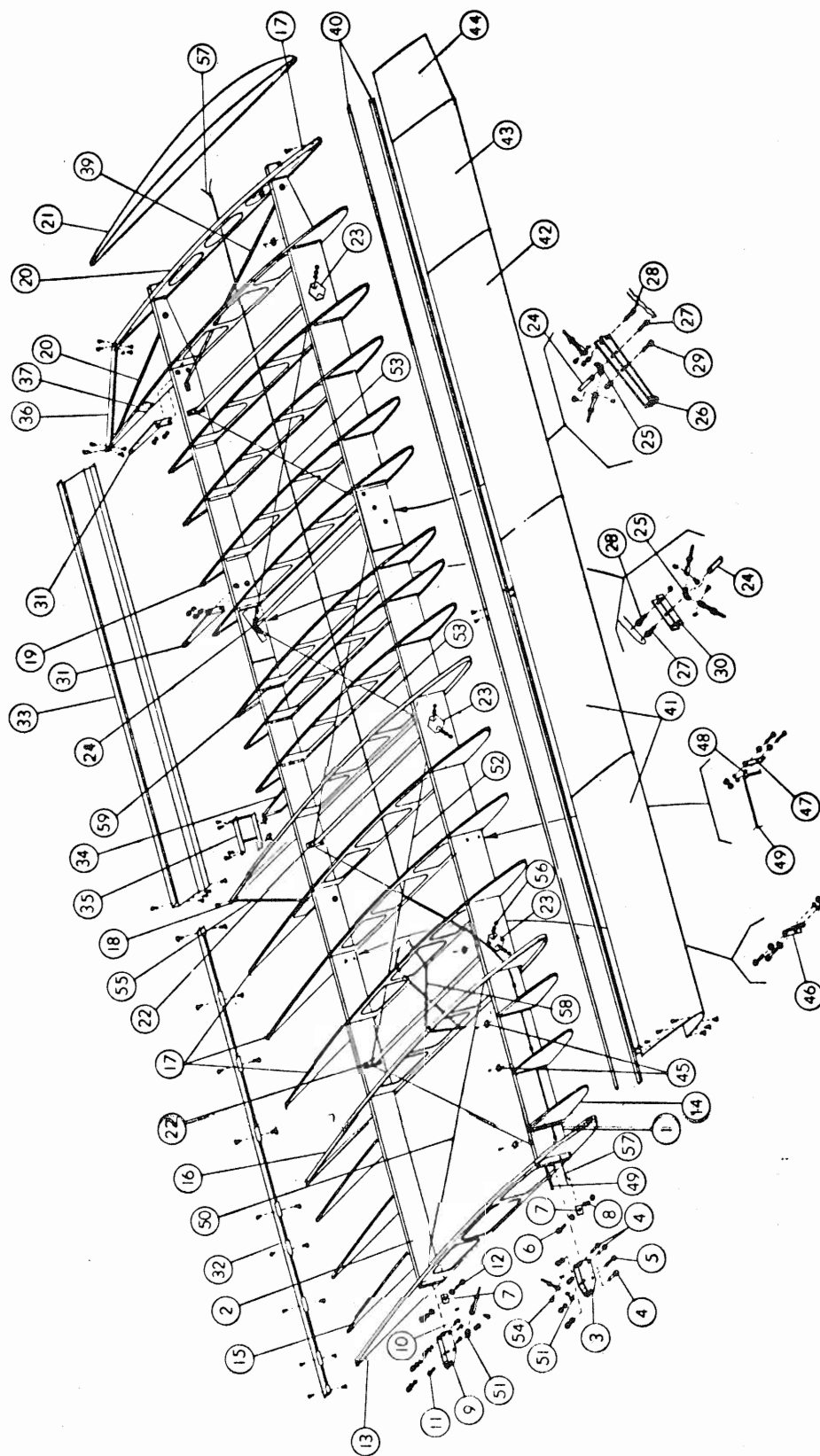


FIGURE 31. ASSEMBLY - WING FRAME - 7ECA, 7GCAA, 7KCAB

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, AB, CA	
			UNITS PER ASS'Y	
31-	AN960-10	WASHER	1	
	AN970-3	WASHER	1	
	AN365-1032	NUT	1	
39	2-1549	BRACE	1	
	AN3-12A	BOLT (ATTACHMENT)	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
40	1-10000-2	STIFFENER (LEADING EDGE)	4	
41	4-548-1	SKIN - LEADING EDGE	2	
42	4-548-11	SKIN - LEADING EDGE	1	
43	4-548-12	SKIN - LEADING EDGE	1	
44	4-1123	SKIN - LEADING EDGE - TIP	1L	
	AS6-4-4SS	SCREW - SKIN ATTACHMENT	150	
45	1-10024	BLOCK - SKIN SUPPORT (WOOD)	6	
	AC301-18-8	NAIL	6	
46	1-2320	FITTING - JURY STRUT	1L	
	AN3-12A	BOLT (ATTACHMENT)	2	
	AN970-3	WASHER	2	
	AN960-10	WASHER	2	
	AN365-1032	NUT	2	
47	1-2319	FITTING (JURY STRUT)	1L	
	AN3-12A	BOLT (ATTACHMENT)	2	
	AN960-10	WASHER	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
48	MS21919DF6	CLAMP (RIGHT WING) PITOT TUBE	1	
49	1-9048-3	PITOT LINES (RIGHT WING)	2	
50	1-2595-1	DRAG WIRE ASSEMBLY	2	
51	1-2299	LUG	2	
52	1-2527-2	DRAG WIRE ASSEMBLY	2	
53	1-2595-2	DRAG WIRE ASSEMBLY	4	
54	AN393-11	PIN - CLEVIS - DRAG WIRE ATTACH	6	
	AN380-2-2	COTTER PIN	6	
55	2-697	BRACE	1L	
	AN3-12A	BOLT (BRACE ATTACH SPAR)	1	
	AN960-10	WASHER	1	
	AN970-3	WASHER	1	
	AN365-1032	NUT	1	
	AN470AD4-7	RIVET (ATTACHMENT TRAIL EDGE)	1	
56	AN315-3R	NUT (DRAG WIRE)	20	
	AN960-10	WASHER	10	
57	59	WIRE (NAV. LIGHTS)	2	
	GE2540-7	STAPLES (WIRE ATTACH)	3	
58	1/4"	REINFORCING CORD	AS REQ'D	
59	AC301-16-5	NAIL - RIB ATTACHMENT 5/8"	94	
NOTE: FOR FUEL TANK INSTALLATION SEE FIG. NO. 27 FOR AILERON CONTROL SYSTEM SEE FIG. NO. 4				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			BC	
			UNITS PER ASS'Y	
32-	7-1124	DRAWING - ASSEMBLY WING FRAME		
		NOTE: BELOW PARTS FOR A LEFT WING, RIGHT WING PARTS OPPOSITE, UNLESS NOTED		
1	5-271	SPAR - FRONT	1L	
2	5-270	SPAR - REAR	1L	
3	2-701	FITTING - FRONT SPAR BUTT	1	
4	AN4-15A	BOLT	1	
	AN960-416	WASHER	1	
	AN365-428	NUT	1	
5	AN6-15A	BOLT	1	
	AN960-616	WASHER	1	
	AN365-624	NUT	1	
6	AN6-14A	BOLT	2	
	AN960-616	WASHER	2	
	AN365-624	NUT	2	
7	2-703	FITTING - REAR SPAR BUTT	1	
8	AN4-15A	BOLT	1	
	AN365-428	NUT	1	
	AN960-416	WASHER	1	
9	AN6-15A	BOLT	1	
10	AN6-14A	BOLT	2	
	AN960-616	WASHER	4	
	AN365-624	NUT	3	
11	AN4-14A	BOLT	3	
	AN960-416	WASHER	3	
	AN365-428	NUT	3	
12	AN3-13A	BOLT	1	
	AN970-3	WASHER	1	
	AN365-1032	NUT	1	
13	1-9036	SPACER	1	
14	MS21919DF2	CLAMP (NAV. LITE WIRES)	1	
15	1-9035	SPACER (AFT SPAR)	1	
16	1-9036	SPACER (FW'D SPAR)	1	
17	1-9039	CLIP (FLAP SPRING RETURN)	1	
18	4-1098	TRUSS ASSEMBLY	1L	
19	2-1583	MOUNT - FLAP	3	
20	AN4-13A	BOLT (MOUNT ATTACH)	4	
	AN970-4	WASHER	4	
	AN365-428	NUT	4	
21	1-9033	SPACER - FLAP MOUNT	2	
22	2-1596	BRACE - FLAP MOUNT	1	
	AN3-7A	BOLT (REAR BRACE ATTACH)	1	
	AN960-10	WASHER	1	
	AN365-1032	NUT	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			BC	
			UNITS PER ASS'Y	
32-23	7-445-3	RIB - BUTT	1L	
24	5-185-2	RIB - NOSE - TANK AREA	3	
	1-8863	SPACER NOSE RIB (WOOD)	3	
	AC301-18-8	NAIL	9	
25	2-1588	RIB - TRAILING TANK AREA	4	
26	7-445-7	RIB - TANK OUTBOARD	1R	
	AN4-12A	BOLT (FRONT LOWER ATTACH)	1	
	AN3-12A	BOLT (REAR UPPER ATTACH)	1	
	AN970-3	WASHER	2	
	AN960-10	WASHER	1	
	AN365-1032	NUT	1	
	AN4-13A	BOLT (ATTACH UPPER F. LOWER R.)	2	
	AN970-4	WASHER	4	
	AN365-428	NUT	2	
	1-2267-2	SPACER (UPPER FRONT)	1	
	1-2267-1	SPACER (LOWER REAR)	1	
27	5-276	RIB - FLAP HINGE	2R	
	AN4-13A	BOLT (ATTACH FRONT UPPER)	2	
	AN970-4	WASHER	4	
	AN365-428	NUT	2	
	AN3-12A	BOLT (ATTACH FRONT LOWER)	2	
	AN970-3	WASHER	4	
	AN365-1032	NUT	2	
28	5-274	RIB - FLAP BAY	3	
29	7-445-2	RIB - FLAP BAY BUTT	1R	
	AN3-12A	BOLT (ATTACH SPAR LOWER)	1	
	AN960-10	WASHER	1	
	AN970-3	WASHER	1	
	AN365-1032	NUT	1	
	AN4-13A	BOLT (ATTACH SPAR UPPER)	1	
	AN960-416	WASHER	1	
	AN970-4	WASHER	2	
	AN365-428	NUT	1	
	1-2267-1	SPACER (AFT SPAR UPPER)	1	
30	2-851	RIB - AILERON SECTOR	1L	
31	2-852	COVER - AILERON SECTOR	1	
	AS6-4-4SS	SCREW (ATTACHMENT)	10	
32	1-9053	SUPPORT (WOOD)	1	
	AS6-4-6SS	SCREW	2	
33	5-181	RIB - AILERON BAY	5	
34	5-142	RIB	2	
35	4-1030	RIB - TIP	1L	
36	5-267	WING TIP	1L	
	AS6-4-6SS	SCREW - ATTACHMENT	24	
37	2-694	STRUT - COMPRESSION	3	

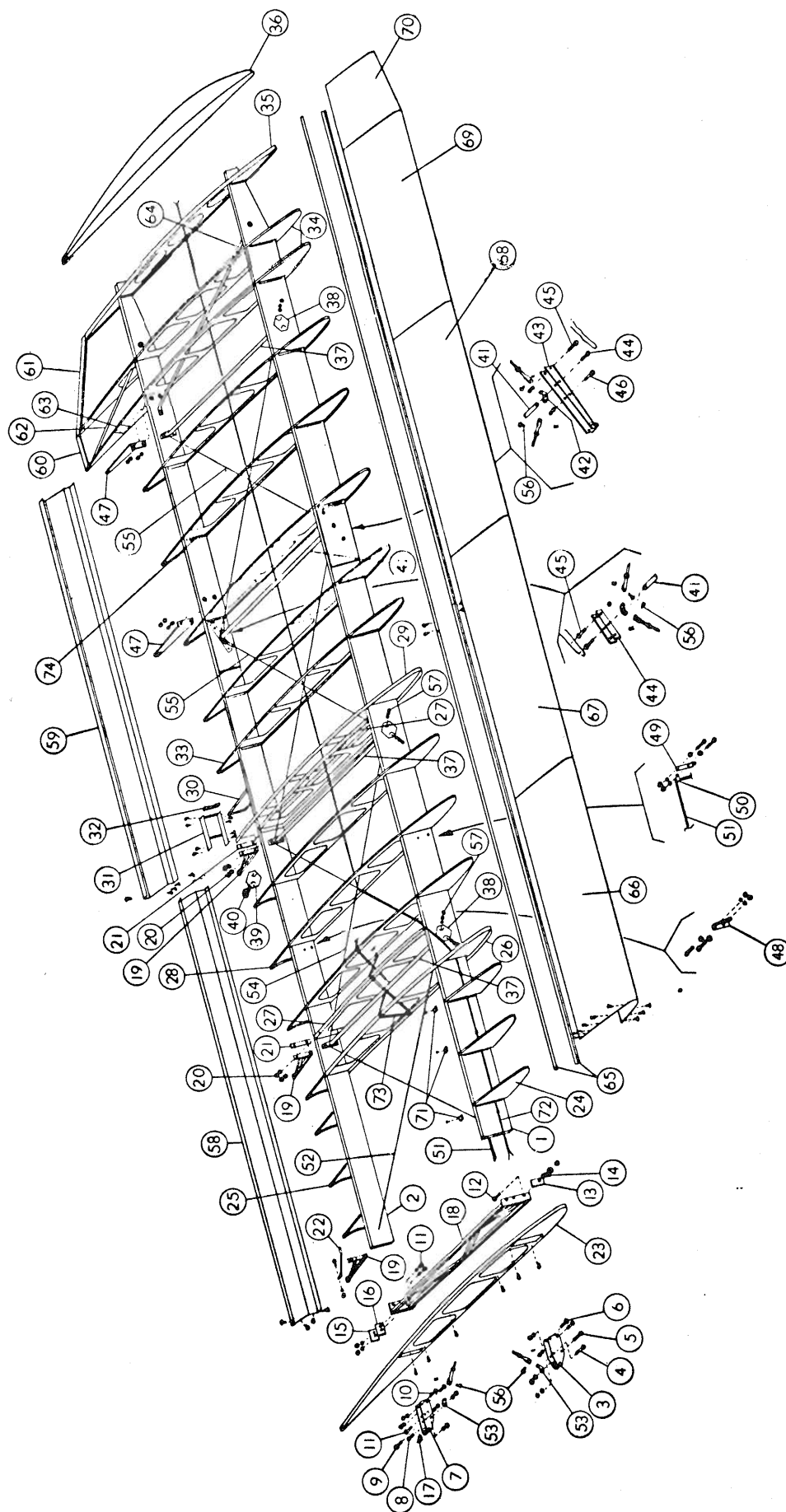


FIGURE 32. ASSEMBLY - WING FRAME - 7GCBC

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			BC	
			UNITS PER	ASS'Y
32-38	1-2301	FITTING - DRAG WIRE	5	
39	2-1584	SUPPORT - AILERON CABLE	1L	
	AN4-12A	BOLT	12	
	AN960-416L	WASHER	12	
	AN365-428	NUT	12	
40	A-120	PULLEY - AILERON CABLE	1	
	1-2653-1	BUSHING	1	
	1-9025	GUARD	1	
	AN4-17	BOLT (PULLEY ATTACH)	1	
	AN960-616L	WASHER (BOTTOM SIDE PULLEY)	2	
	AN960-416	WASHER	1	
	AN310-4	NUT	1	
	AN380-2-2	COTTER PIN	1	
41	1-2302	STRUT - COMPRESSION	1	
	AN76-16	BOLT (STRUT ATTACH)	2	
42	1-2300	LUG - DRAG WIRE ATTACH	2	
43	2-893	FITTING - WING STRUT ATTACH	1	
44	1-2289	PLATE - WING STRUT ATTACH	2	
45	AN6H-15A	BOLT (STRUT FITTING ATTACH)	2	
46	AN6-15A	BOLT (STRUT FITTING ATTACH)	1	
	AN960-616	WASHER	2	
	AN365-624	NUT	3	
47	2-689	HINGE - AILERON SUPPORT	2	
	AN4-13A	BOLT	4	
	AN970-4	WASHER	4	
	AN960-416	WASHER	4	
	AN365-428	NUT	4	
48	1-2320	FITTING - JURY STRUT - REAR	1L	
	AN3-12A	BOLT (ATTACHMENT)	2	
	AN960-10	WASHER	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
49	1-2319	FITTING - JURY STRUT - FRONT	1L	
	AN3-12A	BOLT	2	
	AN960-10	WASHER	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
50	MS21919DF6	CLAMP - PITOT TUBES (RT. WING)	1	
51	1-9048-3	PITOT TUBES (RIGHT WING)	2	
52	1-2595-1	DRAG WIRE ASSEMBLY	2	
53	1-2299	LUG - DRAG WIRE ATTACH	2	
54	1-2527-2	DRAG WIRE	2	
55	1-2595-2	DRAG WIRE ASSEMBLY	4	
56	AN393-11	PIN - CLEVIS (DRAG WIRE ATTACH)	6	
	AN380-2-2	COTTER PIN	6	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			BC	
			UNITS PER ASS'Y	
32-57	AN315-3R	NUT - DRAG WIRE ATTACH	20	
	AN960-10	WASHER	10	
58	4-1092	SKIN - FLAP BAY	1	
	AS6-4-4ss	SCREW - ATTACHMENT	36	
59	5-175	SKIN - AILERON BAY	1L	
	AS6-4-6ss	SCREW - ATTACHMENT	25	
60	1-9021	EDGE - TRAILING	1	
61	1-8826	EDGE - TRAILING - TIP	1	
	AS6-4-6ss	SCREW	1	
62	2-10001	BRACE	10	
	AN526-832-16	SCREW (ATTACHMENT - AFT)	1	
	AN960-8	WASHER	1	
	AN365-832	NUT	1	
	AN3-12A	BOLT (ATTACHMENT SPAR)	1	
	AN960-10	WASHER	1	
	AN970-3	WASHER	1	
	AN365-1032	NUT	1	
63	2-699	STIFFENER - RIB (WOOD)	1	
	AS6-4-6ss	SCREW - ATTACHMENT	5	
64	2-695	BRACE	1	
	AN3-12A	BOLT - ATTACHMENT	2	
	AN970-3	WASHER	2	
	AN365-1032	NUT	2	
65	1-10000-2	STIFFENER - LEADING EDGE	4	
66	4-548-1	SKIN - LEADING EDGE	1	
67	4-548-2	SKIN - LEADING EDGE	1	
68	4-548-3	SKIN - LEADING EDGE	1	
69	4-548-10	SKIN - LEADING EDGE	1	
70	4-1123	SKIN - LEADING EDGE - TIP	1L	
	AS6-4-4ss	SCREW - ATTACHMENT	112	
71	1-10024	BLOCK - SKIN SPACER (WOOD)	6	
	AC301-18-8	NAIL - ATTACHMENT	6	
72	59	WIRE ASSEMBLY - NAV. LITE	2	
	GE2540-7	STAPLE - WIRE ATTACH	3	
73	$\frac{1}{4}$ "	REINFORCING CORD	AS REQ'D.	
74	AC301-16-5	NAIL - RIB ATTACHMENT	87	
NOTE: FOR FUEL TANK INSTALLATION SEE FIG. NO. 27 FOR AILERON CONTROL SYSTEM SEE FIG. NO. 4				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			AA, BC	CA	AB
			UNITS PER ASS'Y		
33-	7-1102 7-1314	DRAWING - INSTALLATION FUEL SYSTEM DRAWING - INSTALLATION FUEL SYSTEM			
1	7-1102-1	FUEL LINE	1	1	
	7-1314-3	FUEL LINE			1
2	7-1102-2	FUEL LINE	1	1	
	7-1314-4	FUEL LINE			1
3	7-1106-6	FUEL LINE	2	2	
	7-1314-1	FUEL LINE			2
4	7-1106-5	FUEL LINE	1	1	
	7-1314-2	FUEL LINE			1
5	1-8832-8	HOSE (PROTECTION)	1	1	1
6	1-8832-7	HOSE (PROTECTION)	1	1	1
7	AN931-8-13	GROMMET - (FRAME CHANNEL)	1	1	1
8	2-905	PRIMER	1	1	
9	68F 1/8 1/8	FITTING - PRIMER	2	2	
10	1-2392-6	PRIMER LINE	1	1	
11	1-2392-6	PRIMER LINE	1	1	
12	2-1530	MANIFOLD ASSEMBLY (LESS VALVE)	1		
	2-1576	MANIFOLD ASSEMBLY (LESS VALVE)		1	
13	1-2403-2	VALVE - FUEL SHUTOFF	1		
	1-2403-1	VALVE - FUEL SHUTOFF		1	1
	AN4-6A	BOLT (ATTACHMENT)	2	2	2
	AN960-416L	WASHER	2	2	2
	AN365-428	NUT	2	2	2
14	1-8887-1	FUEL LINE ASSEMBLY	1		
	1-8887-3	FUEL LINE ASSEMBLY		1	1
15	1-8840	STRAINER ASSEMBLY	1		
	2-1550	CASTING - TOP STRAINER	1		
	2-1991	BOWL	1		
	1-520-4	SUPPORT ASSEMBLY	1		
	1-520-2	SCREEN	1		
	1-520-1	GASKET	1		
	CCA1550	DRAIN VALVE	1		
	1/8 NPT				
16	1-8886	FITTING - FIREWALL FOR STRAINER	1		
	AN515-8-6	SCREW	3		
	AN365-832	NUT	3		
17	90LB	ELBOW - AFT STRAINER	1		
	1/2 x 3/8				
18	AN840-8D	NIPPLE - FORWARD STRAINER	1		
19	1-3408	STRAINER ASSEMBLY		1	1
	1-520-5	CASTING - TOP STRAINER		1	1
	2-2991	BOWL		1	1
	1-520-4	SUPPORT ASSEMBLY		1	1
	1-520-2	SCREEN		1	1
	1-520-1	GASKET		1	1
	CCA1550	DRAIN VALVE		1	1
	1/8 NPT				
20	112B 1/4 x 1/4	NIPPLE (AFT STRAINER THRU FIREWALL)		1	1
21	50F	ELBOW (STRAINER AFT FIREWALL)		1	1
	3/8 x 1/4				

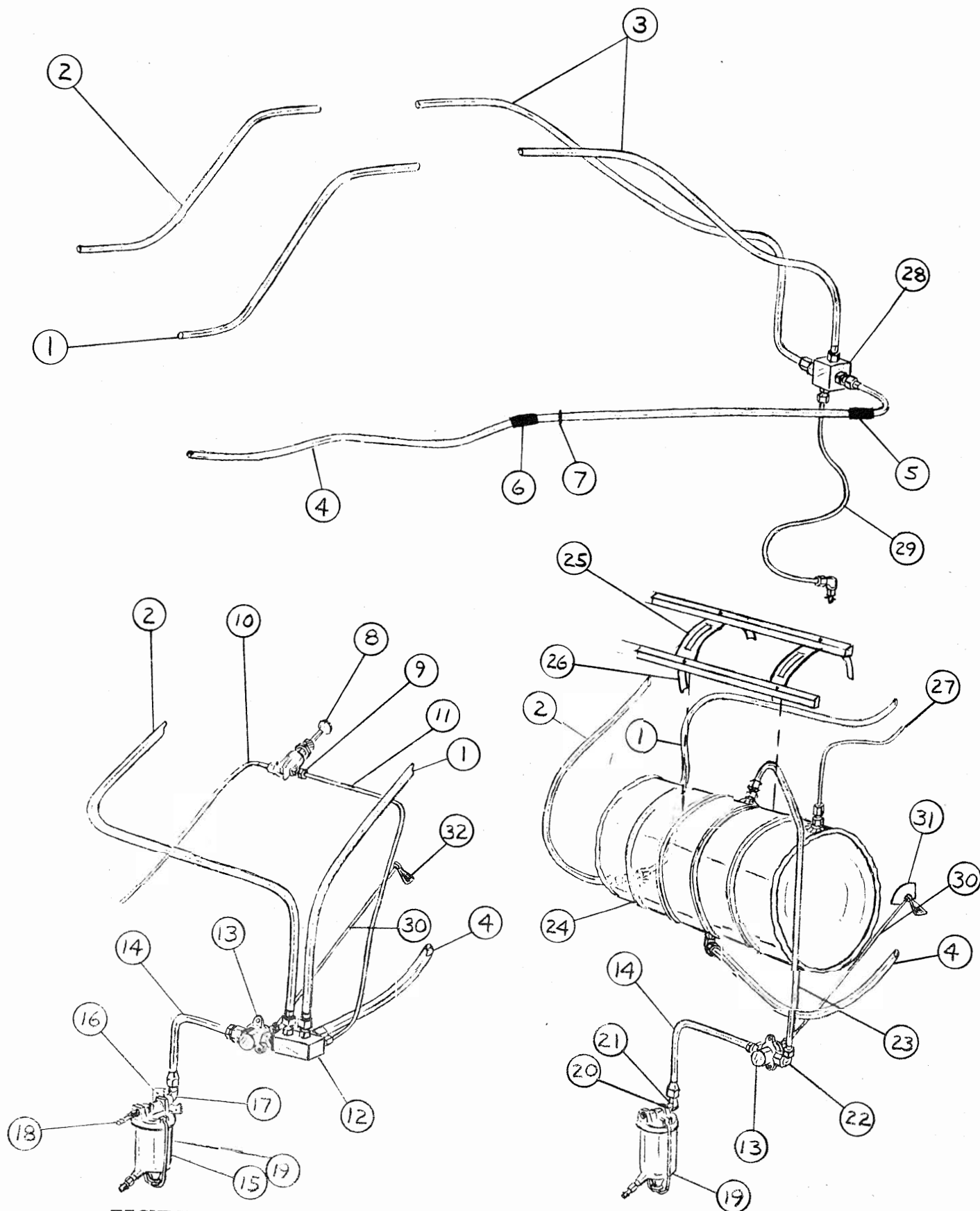


FIGURE 33. INSTALLATION - FUSELAGE FUEL SYSTEM

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL		
			AA, BC	CA	AB
			UNITS PER ASS'Y		
33-22	50F	ELBOW			1
	3/8 x 1/4				
23	1-9862	FUEL LINE			1
24	7-1314-9	TANK ASSEMBLY (WITH FITTINGS)			1
	4-1462	TANK (LESS FITTINGS)			1
25	1-9826	BRACKET - TANK SUPPORTS			2
	AN4-10A	BOLT (ATTACHMENT)			4
	AN960-416	WASHER			4
	AN365-428	NUT			4
26	2-761-7	STRAP (TANK ATTACHMENT)			2
	AN520-10-32	SCREW (ATTACHMENT)			2
	AN365-1032	NUT			2
27	7-1314-5	VENT LINE (HEADER TANK TO MAIN TANK)			1
28	2-1577-2	MANIFOLD ASSEMBLY	1	1	1
	AN3-13A	BOLT (ATTACHMENT TO FRAME)	1	1	1
	AN960-10	WASHER	1	1	1
	AN365-1032	NUT	1	1	1
29	1-8856	DRAIN ASSEMBLY - REAR	1	1	1
	MS21919-DF4	CLAMP (ATTACHMENT TO FRAME)	1	1	1
	AN3-3A	BOLT	1	1	1
	AN365-1032	NUT	1	1	1
30	1-9832	ROD - FUEL SHUTOFF	1	1	1
	1-2458	"U" JOINT	1	1	1
	AN392-17	PIN	1	1	1
	AN380-2-2	COTTER PIN	1	1	1
31	1-9955-1	PLACARD - FUEL SHUTOFF (39 GALLON FUEL SYSTEM)	1	1	1
	1-9955-2	PLACARD - FUEL SHUTOFF (26 GALLON FUEL SYSTEM)		1	
32		SHUTOFF HANDLE - IMPERIAL	1	1	1
		SHUTOFF HANDLE - IMPERIAL (7GCBC)	1		

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
34-	7-1328	DRAWING - INSTALLATION WING FUEL TANK 20 GALLON		
1	7-1327	TANK - FUEL	1L/1R	1L/1R
2	2-10006-1	FUEL GAGE - RIGHT TANK (OPT. LEFT)	1	1
	1-10001	GLASS	1	1
	1-10007	GASKET	2	2
	1-780	NUT	1	1
3	1-8768-3	FUEL CAP	2	2
4	113B 1/4 x 2	NIPPLE	4	4
	41FS	NUT	4	4
	3/8 x 1/4			
	50F	ELBOW	4	4
	3/8 x 1/4			
5	2-1967-1	TANK SUPPORT ASSEMBLY (FRONT)	6	6
6	2-1967-2	TANK SUPPORT ASSEMBLY (REAR)	6	6
7	4-1497	TANK SUPPORT (WITH RUBBER)	6	6
8	AN4-13A	BOLT (SUPPORT ATTACHMENT)	12	12
	AN970-4	WASHER	12	12
	AN960-416	WASHER	12	12
	AN365-428	NUT	12	12
9	4-1498	CHANNEL (WITH RUBBER)	6	6
10	2-761-8	STRAP	6	6
11	AN365-1032	NUT (STRAP ATTACHMENT)	12	12
	AN960-10	WASHER	12	12
12	7-1328-3	RUBBER STRIP (3" x 5.0" x .063)	12	12
13	1-8871-2	SPACER - WOOD	8	8

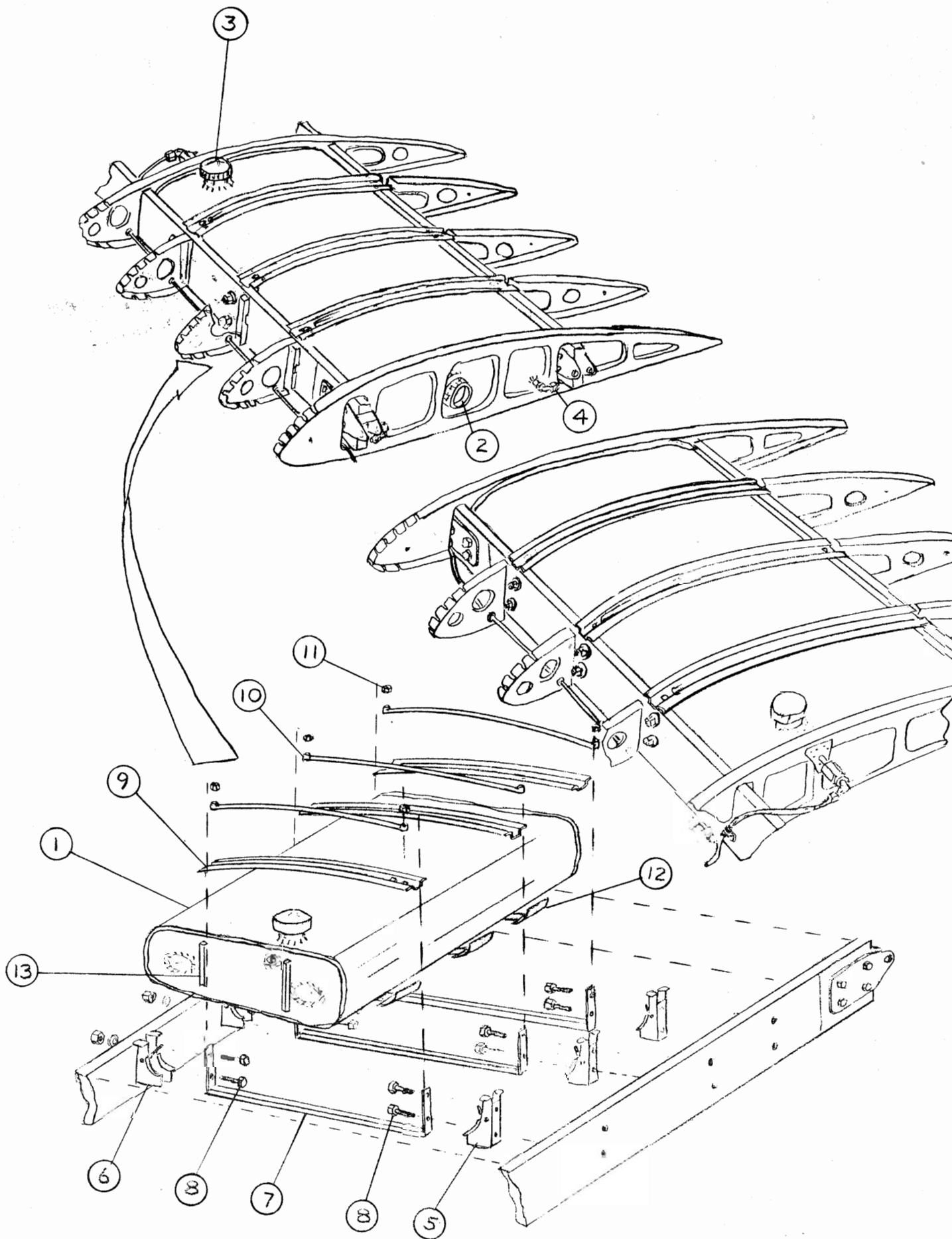


FIGURE 34. INSTALLATION - 20 GALLON FUEL TANKS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			AA, BC, CA	AB
			UNITS PER ASS'Y	
35-	4-1472	DRAWING - INSTALLATION FUEL VENT SYSTEM		
1	2-1938	VENT ASSEMBLY	1	1
2	4-1472-1	VENT LINE	1	1
3	4-1472-3	VENT LINE	1	1
4	4-1472-4	VENT LINE	1	1
5	4-1472-2	VENT LINE (COPPER)		1
6	62F 1/8x1/8	FITTING		1
7	68F 1/8x1/8	FITTING		1
8	113B 1/4 x 2	NIPPLE	2	2
9	1-9808-2	FITTING - BLOCK	2	1
	1-9808-1	FITTING - BLOCK (LEFT TANK)		1
10	1-9839	VALVE & GASKET ASSEMBLY	2	2
11	AN822-6D	ELBOW	2	2
	AN819-6D	SLEEVE	2	2
	AN818-6D	NUT	2	2
12	4-1472-5	HOSE - LINE PROTECTION - SPAR	2	2
13	1-8832-4	HOSE	3	3
	AN737TW26	CLAMP	6	6
14	3-1508	DEFLECTOR VENT	1	1
	A86-4-6SS	SCREW ATTACHMENT	4	4

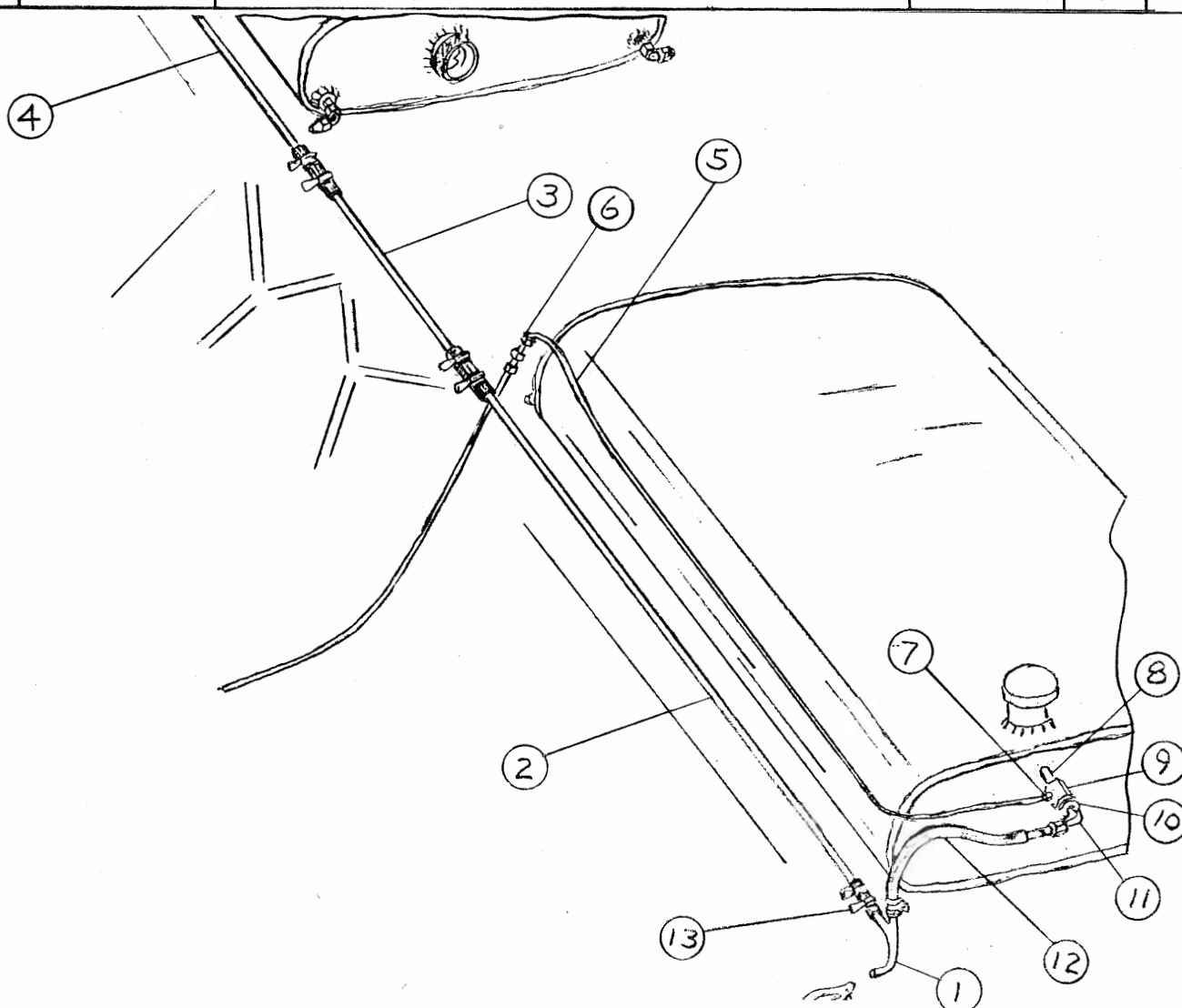


FIGURE 35. INSTALLATION - 20 GALLON FUEL VENT

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER ASS'Y	
36-	7-10002	INSTALLATION 13 GALLON FUEL TANK		
1	7-10001	FUEL TANK	1L/1R	
2	2-10006	FUEL GAGE (RIGHT TANK) (OPT. LEFT)	1	
	1-10001	GLASS	1	
	1-10007	GASKET	2	
	1-780	NUT	1	
3	1-8768-2	FUEL CAP	2	
4	113B 1/4 x 2	UNION	4	
	50F	ELBOW	4	
	3/8 x 1/4			
	41F 3/8 x 1	NUT	4	
5	3-10002	TANK BOARD	2	
6	2-942-7	STRAP (WITH RUBBER)	4	
7	1-10032-4	FITTING (STRAP ATTACH FRONT)	4	
8	1-2936-1	FITTING (STRAP ATTACH REAR)	4	
9	AN4-13A	BOLT (STRAP FITTING ATTACH)	8	
	AN970-4	WASHER	8	
	AN960-416	WASHER	8	
	AN365-428	NUT	8	
10	AN3-3A	BOLT (STRAP ATTACH)	4	
	AN960-10	WASHER	4	
	AN365-1032	NUT	4	
11	AN365-1032	NUT (STRAP ATTACH)	4	
	AN960-10	WASHER	4	
12	1-8857	SPACER	4	
13	1-8823	SPACER	8	
14	7-10002-1	TUBE (DRAG WIRE PROTECTION)	2	
	7-10002-2	TUBE (DRAG WIRE PROTECTION)	2	

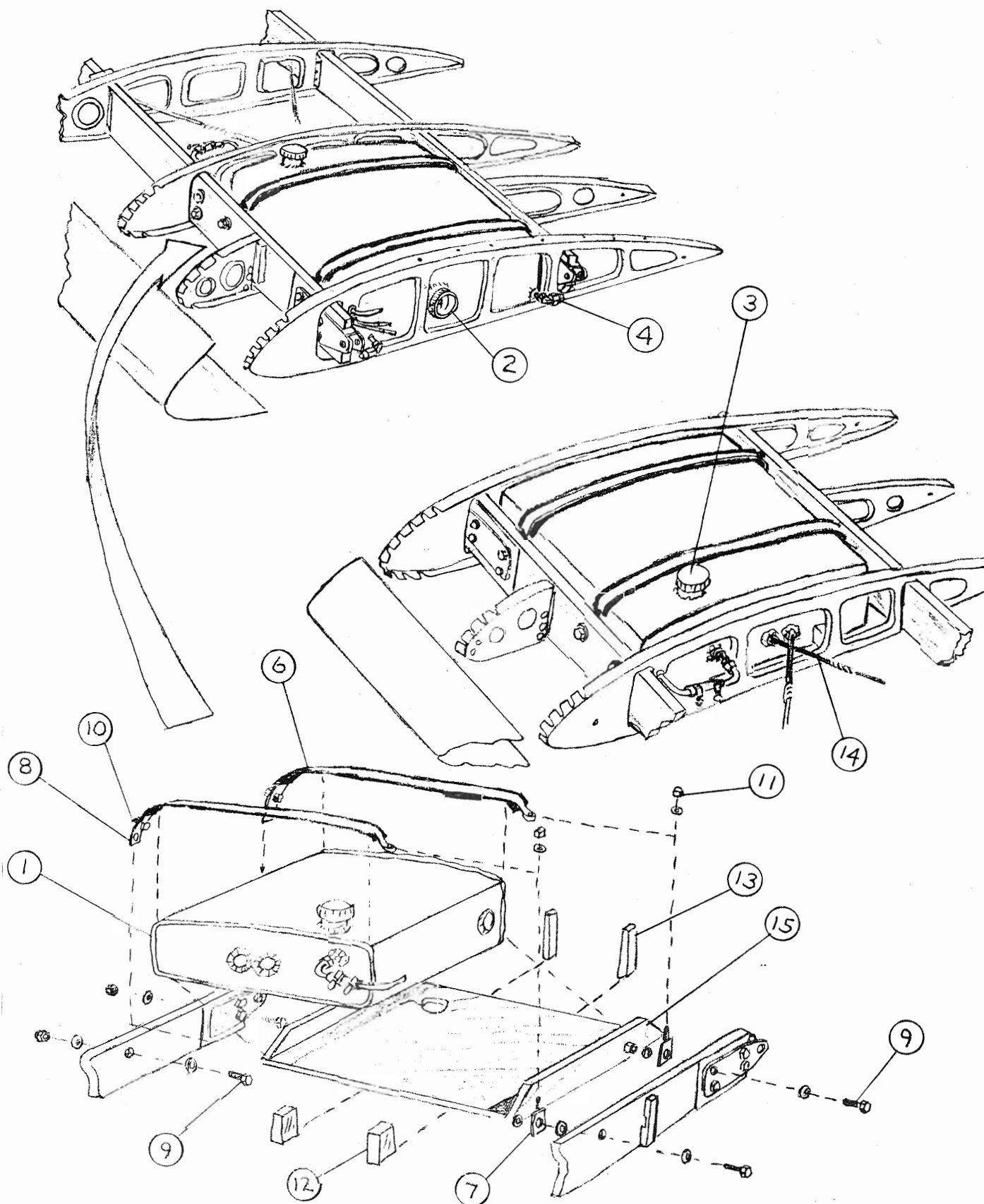


FIGURE 36. INSTALLATION - 13 GALLON FUEL TANK

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			CA	
			UNITS PER ASS'Y	
37-	7-10002	DRAWING - INST. 13 GAL. WING TANK		
1	1-8861-2	VENT ASSEMBLY - FUEL TANK	1	
2	2-1546-3	VENT LINE - TANK FRONT	2	
3	2-1546-1	VENT LINE - CABIN (NON-GREENHOUSE)	1	
4	2-1924	VENT LINE AND TEE (GREENHOUSE)	1	
5	2-1781	VENT TEE (NON-GREENHOUSE)	1	
6	1-8832-4	HOSE - CONNECTING	5	
	AN737-TW26	CLAMPS	10	
7	AN931-6-10	GROMMET	1	

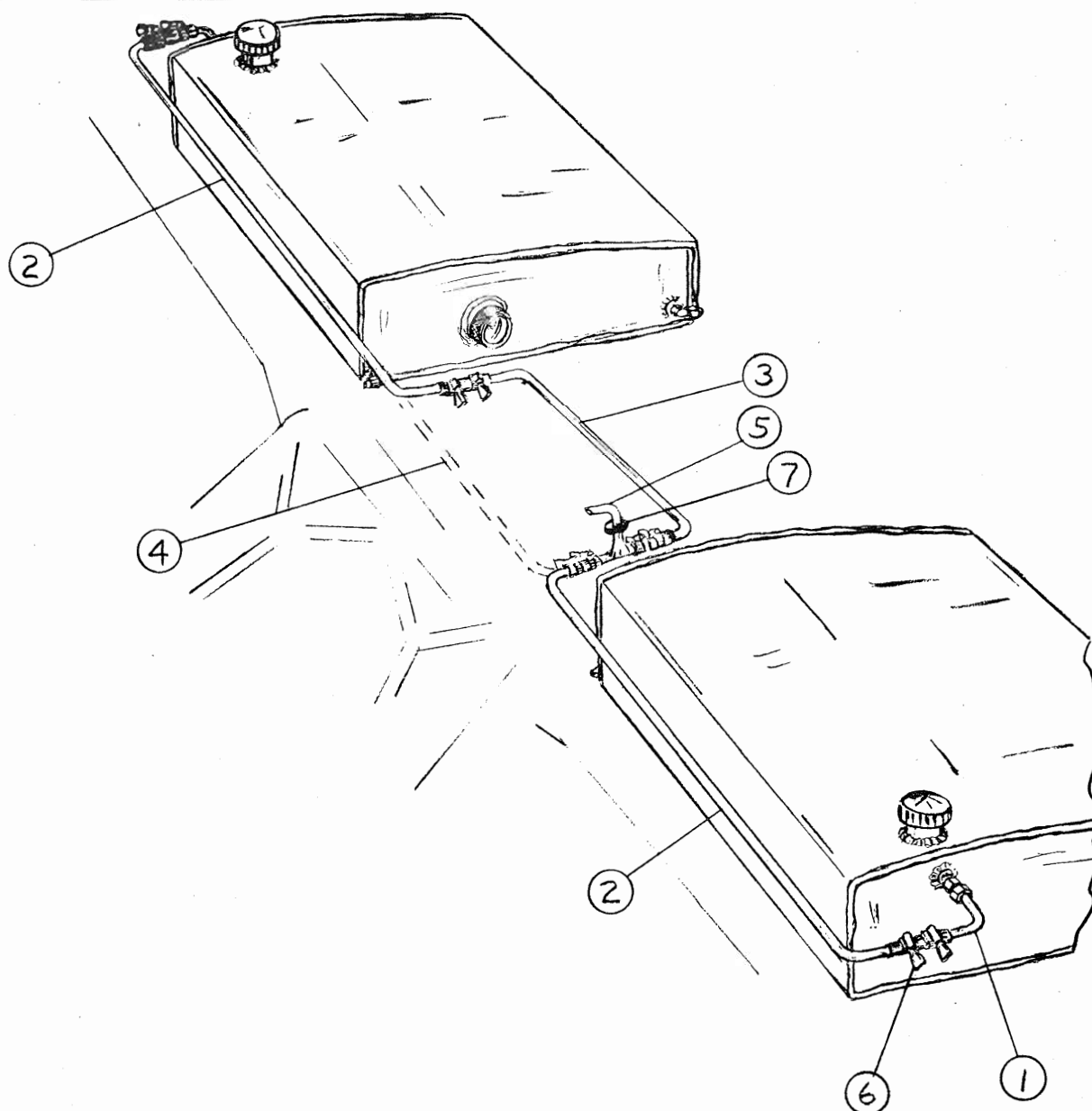
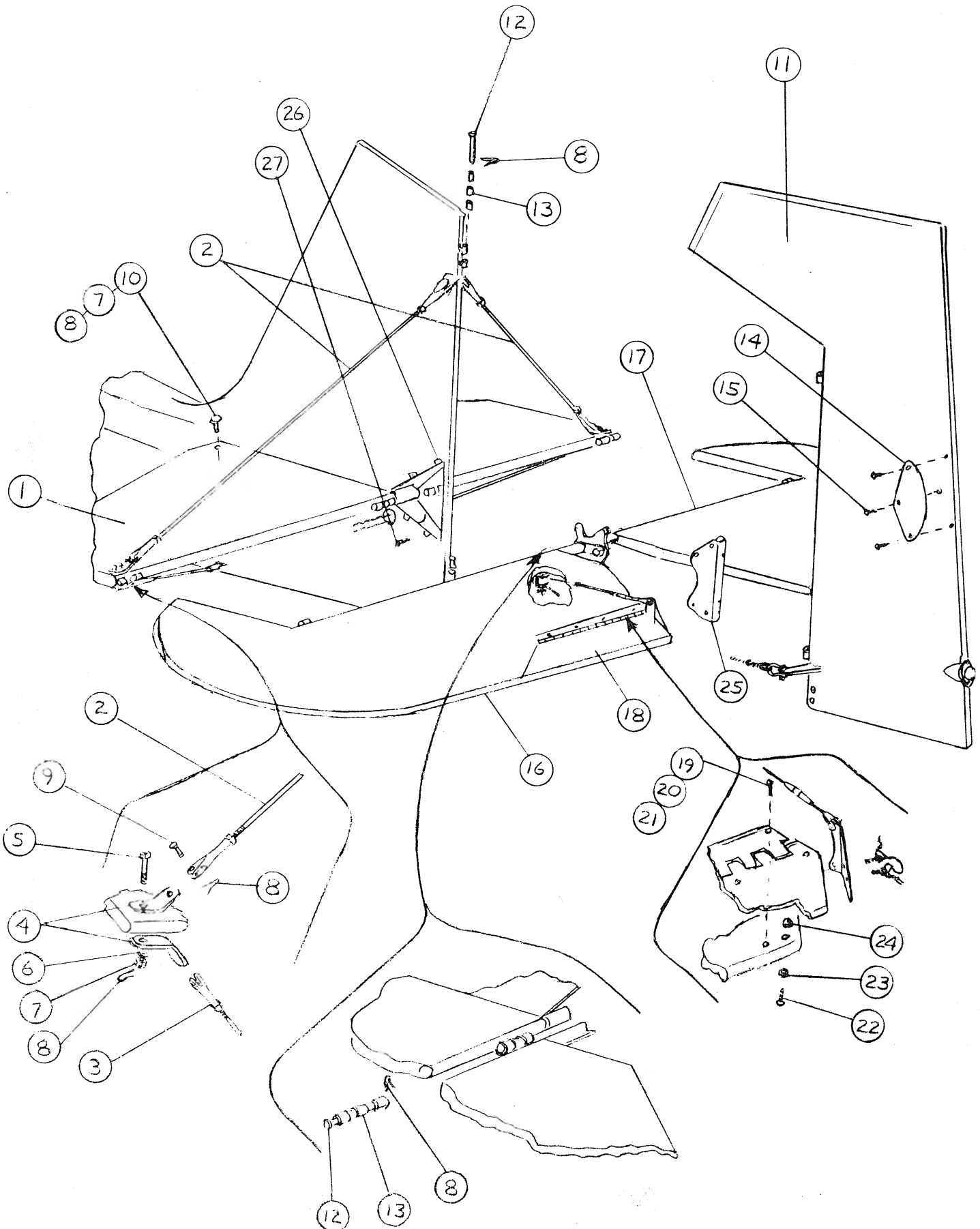


FIGURE 37. INSTALLATION - 13 GALLON FUEL VENT

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
38-	7-1051	DRAWING - INSTALLATION TAIL SURFACES		
1	4-1481	STABILIZER - COVERED	1L/1R	1L/1R
	4-1478	STABILIZER - FRAME	1	1
2	2-1746	STABILIZER DRAG WIRE ASSEMBLY - UPPER	2	2
3	3-1107-2	STABILIZER DRAG WIRE ASSEMBLY - LOWER	2	2
4	1-2357	LUG - DRAG WIRE	4	4
5	AN3-15	BOLT	2	2
6	AN960-10	WASHER	2	2
7	AN310-3	NUT	4	4
8	AN380-2-2	KEY	20	20
9	AN393-11	PIN	8	8
10	AN3-13	BOLT	2	2
11	4-1390	RUDDER - COVERED	1	1
	4-1376	RUDDER FRAME	1	1
12	AN394-71	PIN	6	6
13	1-3737	BUSHINGS	18	18
14	1-2190	RUDDER TAB	1	1
15	AS6-4-4SS	SCREW - ATTACH	3	3
16	4-1483	ELEVATOR - COVERED (LEFT)	1	1
	4-1480	ELEVATOR FRAME (LEFT)	1	1
17	4-1482	ELEVATOR - COVERED (RIGHT)	1	1
	4-1479	ELEVATOR FRAME (RIGHT)	1	1
18	4-562	ELEVATOR TAB	1	1
19	AN515-8-14	SCREW (TAB ATTACHMENT)	4	4
20	AN960-8L	WASHER	4	4
21	AN365-832	NUT	4	4
22	AN526-1032-8	SCREW (TAB STOP)	1	1
23	AN315-3R	NUT (LOWER SIDE) TAB STOP	1	1
24	AN364-1032	NUT (TAB STOP)	1	1
25	3-456	ELEVATOR HORN COVER	1	1
26	C-365-832-1	NUT	8	8
27	AN526-8-6	SCREW	8	8



94 **FIGURE 38. INSTALLATION - TAIL SURFACES**

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER	ASS'Y
39-	7-786 4-1477	DRAWING - INSTALLATION WINGS AND STRUTS DRAWING - INSTALLATION AILERON GAP FAIRINGS		
1	7-1106 7-1320 7-1123 7-1124	WING - COVERED (7ECA, 7GCAA, 7KCAB) ASSEMBLY WING FRAME WING - COVERED (MODEL 7GCBC) ASSEMBLY WING FRAME	1L/1R 1L/1R	1L/1R 1L/1R
2	AN6-14	BOLT	2	2
3	AN960-616	WASHER	4	4
4	AN310-6	NUT	2	2
5	AN380-3-3	COTTER KEY	2	2
6	AN4-13	BOLT	2	2
7	AN960-416	WASHER	4	4
8	AN310-4	NUT	2	2
9	AN380-2-2	COTTER KEY	10	10
10	3-447 5-180	AILERON - COVERED FRAME ASSEMBLY - AILERON	1L/1R 1L/1R	1L/R 1L/R
11	AN23-15	BOLT - (PUSHROD ATTACH)	2	2
12	AN960-10L	WASHER	6	6
13	AN310-3	NUT	2	2
14	AN24-14	BOLT	6	6
15	1-2576	SPACER	12	12
16	AN320-4	NUT	6	6
17	3-1125 5-272	FLAP - COVERED (MODEL 7GCBC) FRAME FLAP (MODEL 7GCBC)		1L/1R 1L/1R
18	AN4-12	BOLT		6
19	AN960-416	WASHER		12
20	1-9043	BUSHING		6
21	AN310-4	NUT		6
22	AN380-2-2	COTTER KEY		8
23	AN3-10	BOLT		2
24	1-9031	SPACER		4
25	AN310-3	NUT		2
26	2-1594 1601-0410	COVER - FLAP GAP RIVETS (ATTACHMENT)		1L/1R 58
27	1-9803 1601-0410	COVER - FLAP GAP RIVETS (ATTACHMENT)		4 48
28	4-1475-1	FAIRING - AILERON GAP (STANDARD 7KCAB OPTIONAL OTHER)	2	2
29	4-1475-2	FAIRING - AILERON GAP (STANDARD 7KCAB OPTIONAL OTHER)	1L/1R	1L/R
30	1601-0410	RIVETS	60	60
31	A1285-R-12 A1285-G-12	LIGHT ASSEMBLY (LEFT WING) LIGHT ASSEMBLY (RIGHT WING)	1 1	1 1

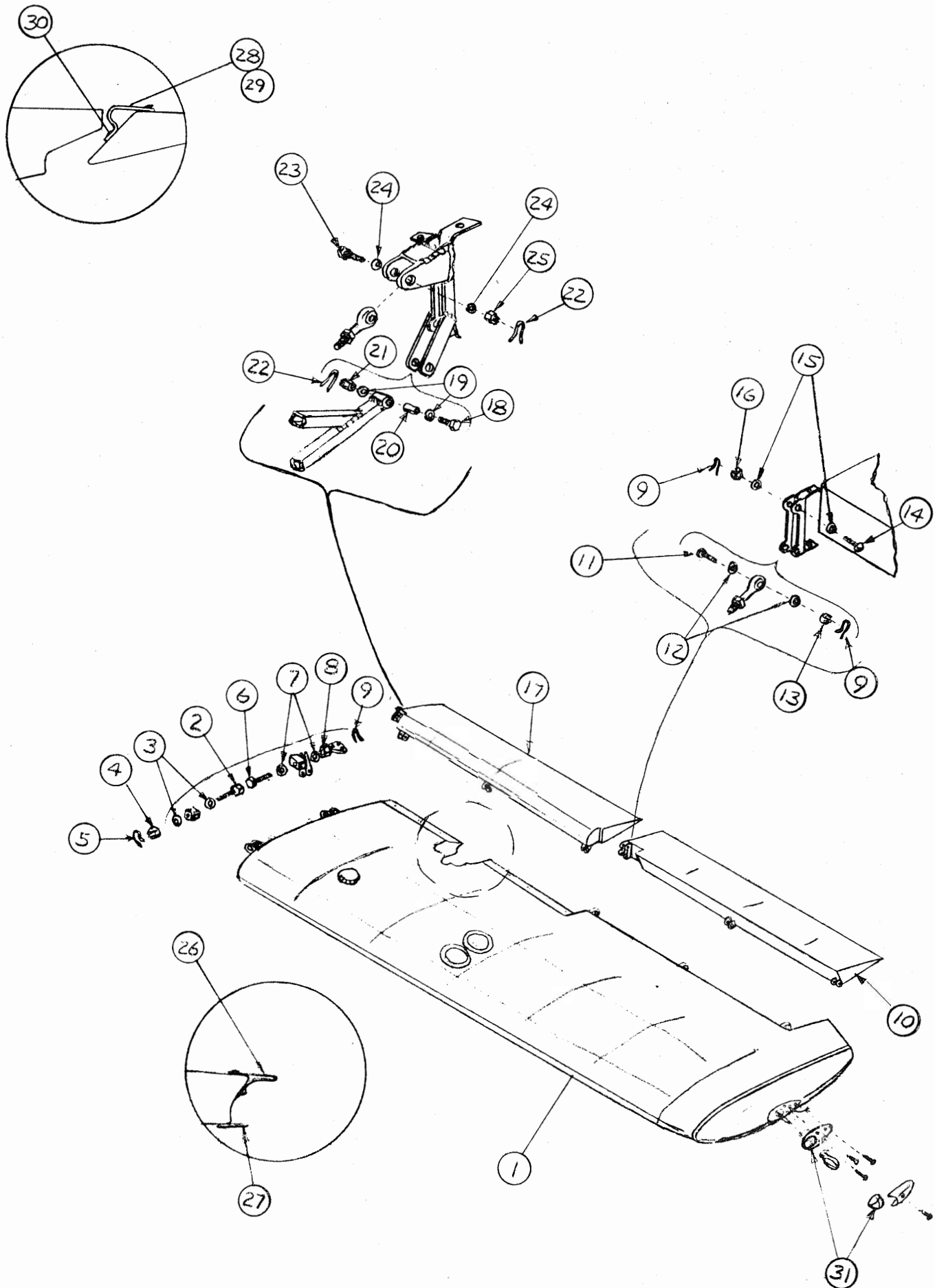


FIGURE 39. INSTALLATION - WING, FLAP AND AILERONS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, AB	BC
			UNITS PER ASS'Y	
40-	7-786	DRAWING - INSTALLATION WINGS & STRUTS		
1	5-144	STRUT - WING BRACE - FRONT	2	2
2	5-268	STRUT - WING BRACE - REAR	2	2
3	AN6-16	BOLT	2	2
4	AN960-616	WASHER	4	4
5	AN310-6	NUT	4	4
6	AN380-3-3	COTTER KEY	2	2
7	1-2543	SCREW	2	2
8	AN316-8A	NUT	2	2
9	AN5-10	BOLT	2	2
10	AN960-516	WASHER	6	6
11	AN310-5	NUT	4	4
12	AN380-2-3	COTTER KEY	4	4
13	AN5-15	BOLT	2	2
14	AN6-24	BOLT	2	2
15	AN380-3-4	COTTER KEY	2	2
16	1-2314	STRUT - JURY - FRONT	2	2
17	1-2315	STRUT - JURY - REAR	2	2
18	1-2286	SPREADER - JURY STRUT	2	2
19	AN42-17A	EYE BOLT	4	4
20	AN365-1032	NUT	12	12
21	AN3-5A	BOLT (LOWER JURY STRUT ATTACH)	4	4
22	AN3-4A	BOLT (UPPER JURY STRUT ATTACH)	4	4
23	1-3514	DOOR STOP	1	1
	1-2347	BUMPER - RUBBER	1	1
	AN515-8-8	SCREW	1	1
	AN365-832	NUT	1	1
24	3-535	PITOT HEAD ASSEMBLY	1	1
	7-786-3	RUBBER CONNECTING TUBE	2	2
	AS6-4-4SS	SCREW (ATTACHING)	4	4
25	2-1566	STRUT FAIRING	1L/1R	1L/1R
	AS6-4-4SS	SCREW (ATTACHMENT)	6	6

FIGURE 40. INSTALLATION - WING STRUTS

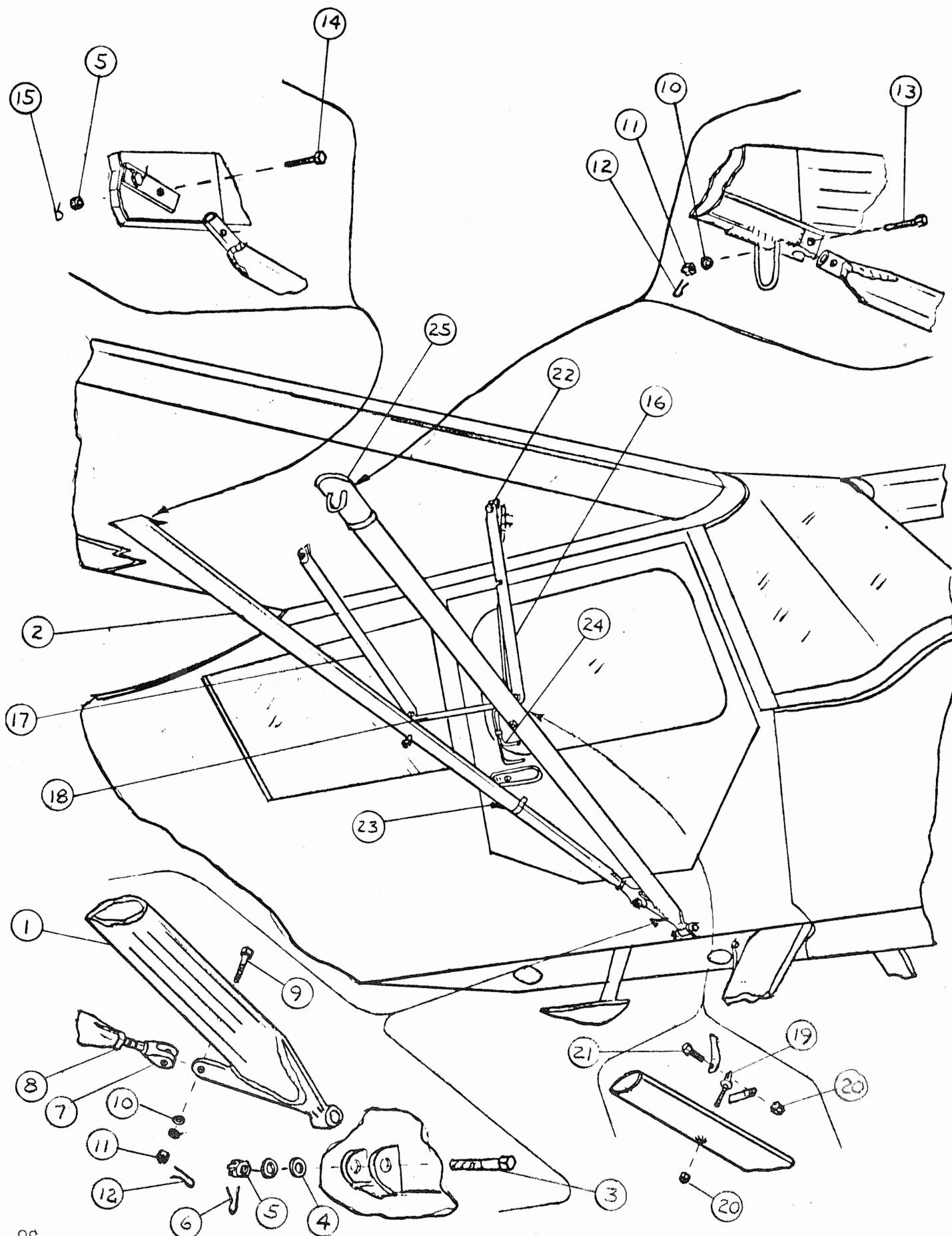


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			AA, CA, AB	BC
			UNITS PER ASS'Y	
41 -	4-1151	DRAWING - INSTALLATION GAP COVER		
1	4-1391	COVER GAP - FRONT WINDSHIELD	1L/1R	1L/R
2	3-455	COVER GAP - LOWER CENTER	1L/1R	1L/R
3	3-454	COVER GAP - LOWER REAR	1L/1R	1L/R
	AS6-4-4SS	SCREW (ATTACHMENT $\frac{1}{4}$ ")	18	18
	AS6-4-6SS	SCREW (ATTACHMENT $\frac{3}{8}$ ")	12	12
4	3-1189	COVER GAP - UPPER	1L/1R	1L/R
	AS6-6-6SS	SCREW (ATTACHMENT AFT)	4	4
5	1-9176	BRACKET	2	2
	AS6-4-6SS	SCREW - ATTACHMENT	4	4
	AN520-10-40	SCREW (GAP COVER TIGHTING)	2	2
6	AN526-832-10	SCREW (3-1189 COVER TO FRAME ATTACH)	2	2
	C814-832-1	NUT	2	2

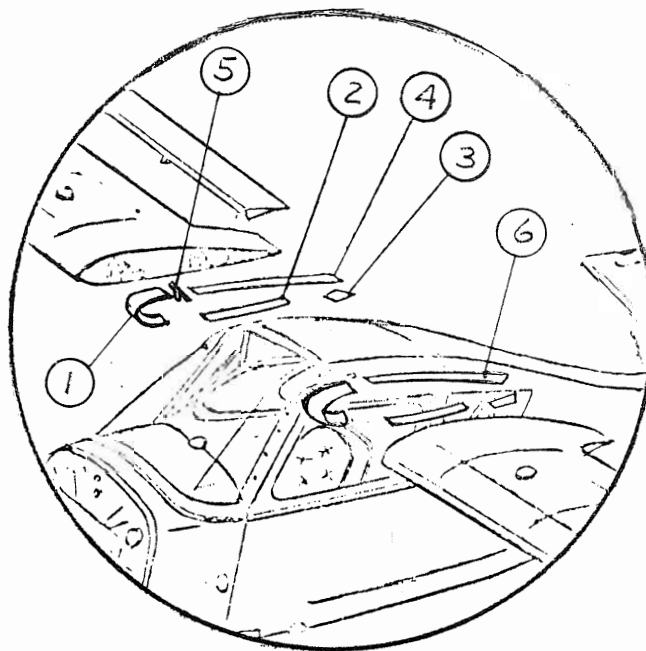


FIGURE 41. INSTALLATION - WING GAP COVERS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER ASS'Y	
42-	7-1300	DRAWING - INSTALLATION ENGINE 0-235-C1		
1	4-1033	MOUNT - ENGINE	1	
2	AN7-32A	BOLT	4	
3	AN960-716	WASHER	4	
4	AN365-720	NUT	4	
5	AN8-42A	BOLT	4	
6	AN960-816	WASHER	8	
7	AN365-820	NUT	4	
		LARGE WASHERS C.F.	4	
		71032 RUBBER BUSHINGS (CF)	8	
8	4-1437	BAFFLE - RIGHT REAR	1	
9	1-8834	PLATE	1	
10	ASI-6058-0-24C	BUSHING	2	
11	4-1445	BAFFLE - LEFT REAR	1	
12	1-8836	CLIP	1	
	AN526-832-6	SCREW	1	
	AN365-832	NUT	1	
13	4-1442-2	BAFFLE - RIGHT FRONT	1	
14	4-1438	BAFFLE - LEFT FRONT	1	
15	3-1404	BAFFLE - SIDE	1L/1R	
16	AN526-420-8	SCREW	7	
17	AN526-420-20	SCREW	2	
	AN960-416L	WASHER	9	
	AN936-B416	WASHER - LOCK	9	
	AS7-4-6SS	SCREW (BAFFLE TO BAFFLE ATTACH)	12	
	A1776-4Z-1	NUT (BAFFLE TO BAFFLE ATTACH)	12	
	AN526-832-6	SCREW (MAG. WIRE TO BAFFLE ATTACH)	4	
	AN365-832	NUT (MAG. WIRE TO BAFFLE ATTACH)	4	
18	3-1403	BAFFLE - CYLINDER BARREL	2	
	1-3703	SPRING - CYLINDER BARREL BAFFLE	2	
19	2-1916	BAFFLE - CYLINDER HEAD	2	
	1-8835-1	SPRING - CYLINDER HEAD BAFFLE	2	
20	7-1330-2	STACK - FRONT	1	
21	7-1331-2	STACK - REAR	1	
22	4-1105	LEFT MUFFLER ASSEMBLY	1	
23	4-1106	SHROUD - LEFT MUFFLER	1	
24	5924	CLAMP (LEFT & RIGHT SHROUD ATTACH)	4	
25	AS6-4-4SS	SCREW	4	
26	4-1104	RIGHT MUFFLER ASSEMBLY	1	
27	4-1103	SHROUD - RIGHT MUFFLER	1	
	4-1433	SHROUD - RIGHT (REQ'D FOR REAR SEAT HEATER)	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER ASS'Y	
42-28	3-1493	ASSEMBLY - MUFFLER CORE & EXTENSION	2	
29	1-8843	CLAMP	4	
	AN4-4A	BOLT	4	
	AN363-428	NUT	4	
30	1-8844-1	HANGER STRAP	2	
	AN4-5A	BOLT	4	
	1-8897	WASHER	4	
	AN363-428	NUT	4	
31	3-985-25	TUBE - FLEX	2	
	5912	CLAMP	4	
32	3-985-15	TUBE - FLEX	1	
	5912	CLAMP	2	
33	3-985-11	TUBE - FLEX	1	
	5912	CLAMP	2	
	4-1435	ASSEMBLY CARB. AIR BOX	1	
34	2-1902-3	FLANGE	1	
35	S1793	RIVET	12	
	1/8 x 3/16			
36	3-1386	COVER	1	
37	3-1385	AIR BOX	1	
38	1-3670-3	FLANGE	1	
	AN470AD4-4	RIVET	2	
	AN426AD4-4	RIVET (FLUSH TYPE)	3	
39	1-2563	PLATE BEARING	2	
	AN470AD4-5	RIVET	6	
40	1-8950-2	SHAFT ASSEMBLY	1	
41	1-9155	FLAP	1	
	AN526-632-10	SCREW	3	
	AN364-632	NUT	3	
42	AN515-8-5	SCREW	16	
	C420-832-1	NUT	16	
43	AN74A-3	BOLT	4	
44	21323	GASKET (LYCOMING)	1	
45	1-2694-5	PRIMER LINE	2	
	1887	PRIMER JET	2	
	64C x 1/8	TEE - PRIMER LINE	1	
	MS21919DF2	CLAMP (2 EA. SIDE)	4	
46	1-9802-1	FUEL LINE	1	
	AN823-6D	45° FITTING (CARB.)	1	
	AN816-6D	FITTING (STRAINER)	1	
47	4-1444	BREATHING TUBE	1	
	1-8832-1	HOSE	1	
	AN737-TW38	CLAMP	2	

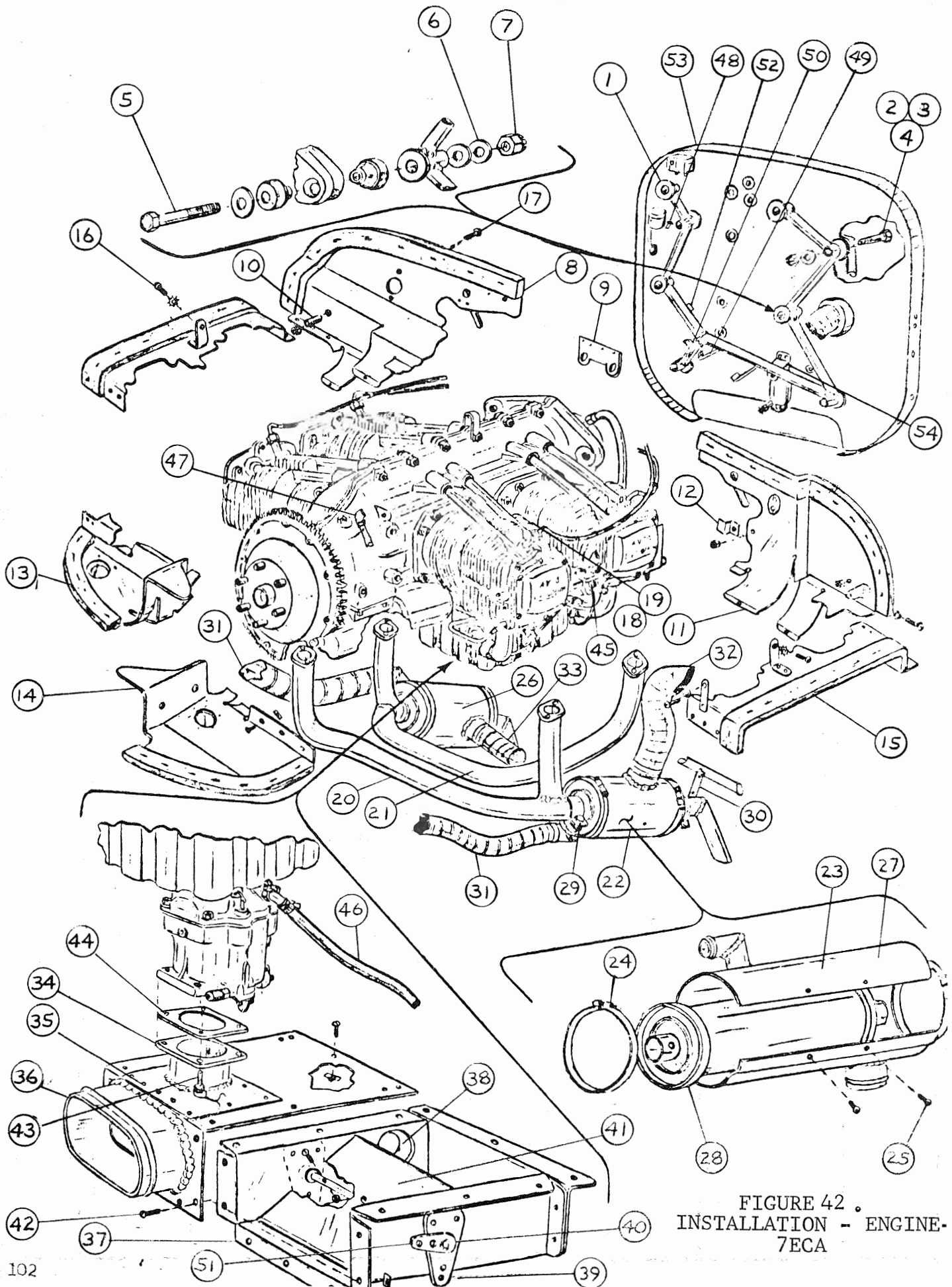


FIGURE 42.
INSTALLATION - ENGINE-
7ECA

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA	
			UNITS PER ASS'Y	
42-48	303-3-0104	OIL PRESSURE LINE	1	
	1-9644	NIPPLE - ENGINE	1	
	AN832-3	UNION - FIREWALL	1	
	AN960-616	WASHER - FIREWALL	2	
	AN924-3	NUT (FOR AN832-3)	1	
49		THROTTLE & CARB. HEAT CONTROL, ATTACHING PARTS AT MOUNT		
	AN742-4	CLAMP	2	
	1-2577	SHIM	2	
	1-2362	PLATE	2	
	AN3-4A	BOLT	2	
	AN960-10	WASHER	2	
	AN365-1032	NUT	2	
50		MIXTURE CONTROL ATTACH PARTS AT MOUNT		
	1-2577	SHIM	1	
	AN4-4A	BOLT	1	
	AN365-428	NUT	1	
51		MIXTURE, THROTTLE & CARB. HEAT ATTACH PARTS TO ENGINE		
	1-9995	BOLT	3	
	AN960-416	WASHER	AS REQ'D	
	AN960-416L	WASHER	AS REQ'D	
	AN310-4	NUT	3	
	AN380-2-2	COTTER PIN	3	
52	116	GROUND STRAP	1	
	AN4-5A	BOLT	1	
	1-8897	WASHER	1	
	AN365-428	NUT	1	
53	4-1506	FIREWALL SUB-ASSEMBLY, AND LOWER BAFFLE	1	
	4-860	FIREWALL - BLANK ONLY	1	
	4-862	FIREWALL MAT	1	
	4-972	CABIN HEATER ASSEMBLY	1	
	AN515-8-8	SCREW	3	
	AN365-832	NUT	3	
54	2-727	BRACKET - STRAINER	1	
	AN515-8-5	SCREW	2	
	C420-832-1	NUT	2	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC	
			UNITS PER	ASS'Y
43-	7-1289	DRAWING - INST. ENGINE 0-320-A2B LYC.		
1	4-1033	MOUNT - ENGINE	1	
2	AN7-32A	BOLT	4	
3	AN960-716	WASHER	4	
4	AN365-720	NUT	4	
5	AN8-42A	BOLT	4	
6	AN960-816	WASHER	8	
7	AN365-820	NUT	4	
		LARGE WASHERS C.F.	4	
		71032 RUBBER BUSHINGS C.F.	8	
8	4-1427	BAFFLE - RIGHT REAR	1	
9	1-8834	PLATE	1	
10	AS1-6058-0-24C	BUSHING	1	
11	4-1430	BAFFLE - LEFT REAR	1	
12	1-8836	CLIP	1	
	AN526-8-6	SCREW	1	
	AN365-832	NUT	1	
13	4-1422-2	BAFFLE - RIGHT FRONT	1	
14	4-1421	BAFFLE - LEFT FRONT	1	
15	3-1395	BAFFLE - SIDE	1L/1R	
16	AN526-420-8	SCREW (BAFFLE ATTACHMENT)	7	
	AN960-416L	WASHER	7	
	AN936-B416	WASHER - LOCK	7	
17	AN526-1024-20	SCREW (BAFFLE ATTACHMENT)	1	
	AN526-1024-8	SCREW (BAFFLE ATTACHMENT)	1	
	AN960-10L	WASHER	2	
	AN936-A10	WASHER - LOCK	2	
	AS6-4-6SS	SCREW (BAFFLE TO BAFFLE ATTACH)	14	
	A1776-4Z-1	NUT (BAFFLE TO BAFFLE ATTACH)	14	
	AN526-832-6	SCREW (MAG. WIRE TO BAFFLE ATTACH)	4	
	AN365-832	NUT (MAG. WIRE TO BAFFLE ATTACH)	4	
18	8526250	OIL COOLER (HARRISON)	1	
	8406-E	OIL COOLER (STEWART WARNER) (ALT.)	1	
	AN526-832-6	SCREW (ATTACHMENT)	4	
	AN365-832	NUT (ATTACHMENT)	4	
	1-8947-3	HOSE (OIL COOLER TO ENG. CASE)	2	
	AN822-8D	ELBOW 90°	1	
	AN823-8D	ELBOW 45°	3	
19	7-1330-2	STACK - FRONT	1	
20	7-1331-2	STACK - REAR	1	
21	4-1105	LEFT MUFFLER ASSEMBLY	1	
22	4-1106	SHROUD LEFT MUFFLER	1	
23	5924	CLAMP (LEFT & RIGHT SHROUD ATTACH)	4	
24	AS6-4-4SS	SCREW	4	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC	
			UNITS PER	ASS'Y
43-25	4-1104	RIGHT MUFFLER ASSEMBLY	1	
26	4-1103	SHROUD - RIGHT MUFFLER	1	
	4-1433	SHROUD - RIGHT (REQ'D FOR REAR SEAT HEATER)	1	
27	3-1493	ASSEMBLY MUFFLER CORE & EXTENSION	2	
28	1-8843	CLAMP	4	
	AN4-4A	BOLT	4	
	AN363-428	NUT	4	
29	1-8844-1	HANGER STRAP	2	
	AN4-5A	BOLT	4	
	1-8897	WASHER	4	
	AN363-428	NUT	4	
30	3-985-25	TUBE - FLEX	2	
	5912	CLAMP	4	
31	3-985-15	TUBE - FLEX	1	
	5912	CLAMP	2	
32	3-985-11	TUBE - FLEX	1	
	5912	CLAMP	2	
	4-1407	ASSEMBLY CARB. AIR BOX	1	
33	2-1902	FLANGE	1	
34	S1793	RIVET	12	
	1/8 x 3/16			
35	3-1396	COVER	1	
36	3-1385	AIR BOX	1	
37	1-3670-3	FLANGE	1	
	AN470AD-4-4	RIVETS	2	
	AN426AD4-4	RIVETS (FLUSH TYPE)	3	
38	1-2563	PLATE - BEARING	2	
	AN470AD4-5	RIVET	6	
39	1-8950-2	SHAFT ASS'Y	1	
40	1-9155	FLAP	1	
	AN526-632-10	SCREW	3	
	AN364-632	NUT	3	
41	AN515-8-5	SCREW	16	
	C420-832-1	NUT	16	
42	AN74A-3	BOLT	4	
43	21323	GASKET (LYC.)	1	
44	1-2694-5	PRIMER LINE	2	
	1887	PRIMER JET	2	
	64C 1/8	TEE PRIMER LINE	1	
	MS21919DF2	CLAMP (2 EA. SIDE)	4	
45	1-8832-9	FUEL LINE	1	
	AN737-TW30	CLAMP	2	
	AN842-8D	ELBOW	1	
	120B	ADAPTER	1	
	3/8 x 1/4			

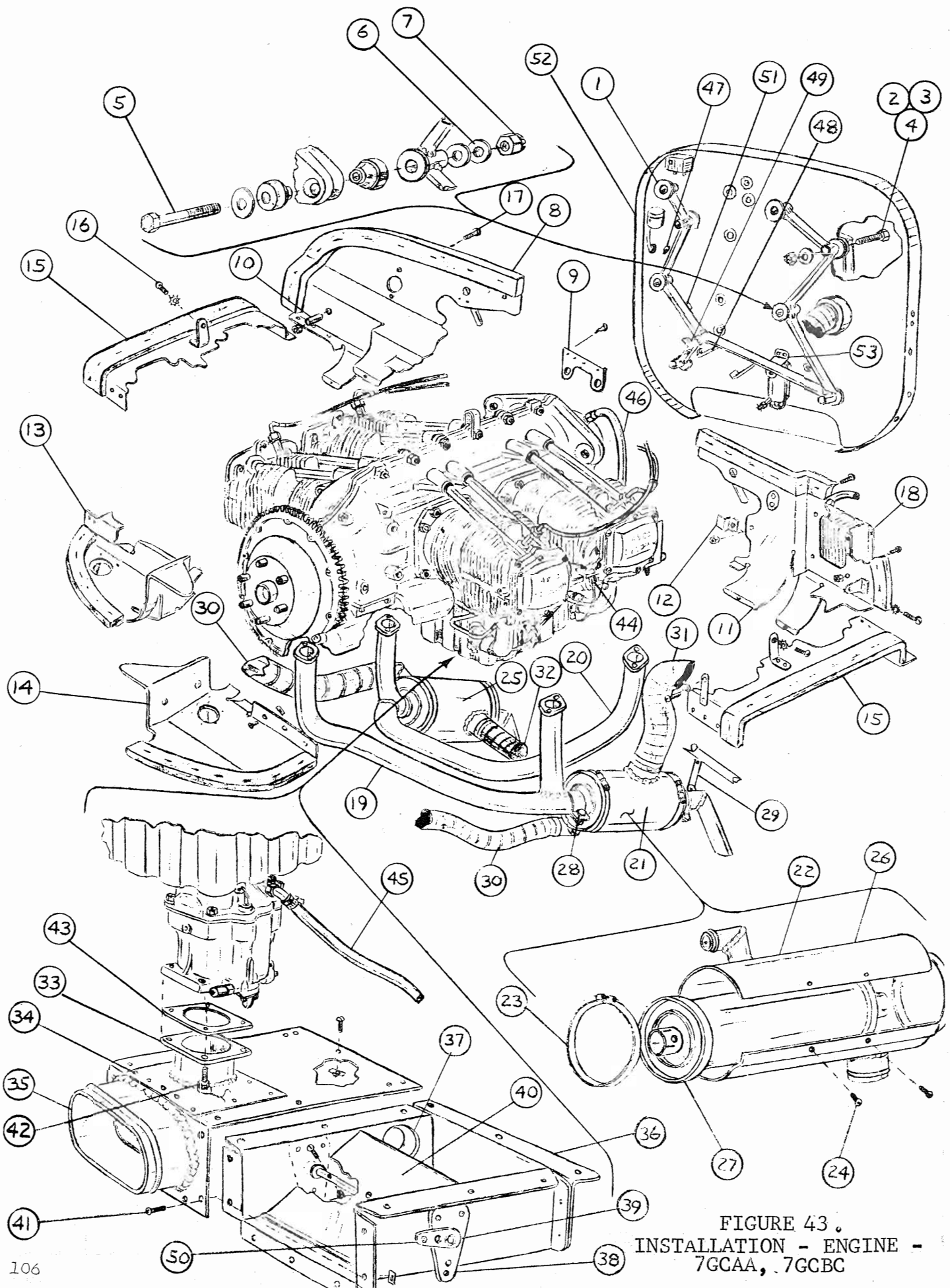


FIGURE 43.
INSTALLATION - ENGINE -
7GCAA, 7GCBC

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC	
			UNITS PER ASS'Y	
43-46	3-1111	BREATHING TUBE	1	
	1-8832-1	HOSE - CONNECTING	1	
	AN737-TW38	CLAMP	1	
47	303-3-0104	OIL PRESSURE LINE	1	
	1-9644	NIPPLE - ENGINE	1	
	AN832-3	UNION - FIREWALL	1	
	AN960-616	WASHER	2	
	AN924-3	NUT (FOR AN832-3)	1	
48		THROTTLE AND CARB. HEAT CONTROL, ATTACHING PARTS AT MOUNT		
	AN742-4	CLAMP	2	
	1-2577	SHIM	2	
	1-2362	PLATE	2	
	AN3-4A	BOLT	2	
	AN960-10	WASHER	2	
	AN365-1032	NUT	2	
49		MIXTURE CONTROL ATTACH PARTS AT MOUNT		
	1-2577	SHIM	1	
	AN4-4A	BOLT	1	
	AN365-428	NUT	1	
50		MIXTURE, THROTTLE, CARB. HEAT ATTACH PARTS TO ENGINE		
	1-9995	BOLT	3	
	AN960-416	WASHER	AS REQ'D	
	AN960-416L	WASHER	AS REQ'D	
	AN310-4	NUT	3	
	AN380-2-2	COTTER PIN	3	
51	116	GROUND STRAP	1	
	AN4-4A	BOLT	1	
	AN365-428	NUT	1	
52	4-1506	FIREWALL SUB. ASS'Y WITH PLATE NUTS & LOWER BAFFLE	1	
	4-860	FIREWALL BLANK ONLY	1	
	4-862	FIREWALL MAT	1	
	4-972	CABIN HEATER ASSEMBLY	1	
	AN515-8-8	SCREW	3	
	AN365-832	NUTS	3	
53	2-727-1	BRACKET - STRAINER	1	
	AN515-8-5	SCREW	2	
	C420-832-1	NUT	2	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AB	
			UNITS PER	ASS'Y
44-	7-1302 7-1312	DRAWING - INST. ENGINE - IO-320-E2A DRAWING - INST. INVERTED OIL SYSTEM		
1	4-1033-10	MOUNT - ENGINE	1	
2	AN7-32A	BOLT	4	
3	AN960-716	WASHER	4	
4	AN365-720	NUT	4	
5	AN8-42A	BOLT	4	
6	AN960-816	WASHER	8	
7	AN365-820	NUT	4	
		LARGE WASHERS C.F.	4	
		71032 RUBBER BUSHING (LYC.) CF	4	
8	4-1427-2	BAFFLE - RIGHT REAR	1	
9	1-8834	PLATE	1	
10	AS1-6058-0- 24C	BUSHING	1	
11	3-985-16 5912	FLEX HOSE (BLAST TUBE FUEL PUMP)	1	
		CLAMP (ATTACH AT BAFFLE)	1	
	1-3504-1	CLAMP (ATTACH AT ENG.)	1	
12	4-1430-2	BAFFLE - LEFT REAR	1	
13	1-8836	CLIP	1	
	AN526-8-6	SCREW	1	
	AN365-832	NUT	1	
14	4-1422-2	BAFFLE - RIGHT FRONT	1	
15	4-1421	BAFFLE - LEFT FRONT	1	
16	3-1395	BAFFLE - SIDE	1L/1R	
17	AN526-420-8	SCREW (BAFFLE ATTACHMENT)	7	
	AN960-416L	WASHER	7	
	AN936-B416	WASHER - LOCK	7	
18	AN526-1024-20	SCREW (BAFFLE ATTACHMENT)	1	
	AN526-1024-8	WASHER	2	
	AN926-A10	WASHER - LOCK	2	
	AS6-4-6SS	SCREW (BAFFLE TO BAFFLE ATTACHMENT)	14	
	A1776-4Z-1	NUT (BAFFLE TO BAFFLE ATTACHMENT)	14	
	AN526-8326	SCREW (MAG. WIRE TO BAFFLE ATTACH.)	4	
	AN365-832	NUT (MAG. WIRE TO BAFFLE ATTACH.)	4	
19	8526250	OIL COOLER (HARRISON)	1	
	8406-E	OIL COOLER (STEWART WARNER) ALT.	1	
	AN526-832-6	SCREW (ATTACHMENT)	4	
	1-8947-3	HOSE (OIL COOLER TO ENG. CASE)	2	
	AN822-8D	ELBOW 90°	1	
	AN823-8D	ELBOW 45°	3	
20	7-1330-2	STACK - FRONT	1	
21	7-1331-2	STACK - REAR	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AB	
			UNITS PER ASS'Y	
44-22	4-1105	LEFT MUFFLER ASSEMBLY	1	
23	4-1106	SHROUD - LEFT MUFFLER	1	
24	4-1104	RIGHT MUFFLER ASSEMBLY	1	
25	4-1103	SHROUD - RIGHT MUFFLER	1	
	4-1433	SHROUD - RIGHT (REQ'D FOR REAR SEAT HEATER)	1	
26	5912	CLAMP (SHROUD ATTACH)	4	
	AS6-4-4SS	SCREW (SHROUD ATTACH)	4	
27	3-1493	ASSEMBLY MUFFLER CORE AND EXTENSION	2	
28	1-8843	CLAMP	4	
	AN4-4A	BOLT	4	
	AN363-428	NUT	4	
29	1-8844-1	HANGER STRAP	2	
	AN4-5A	BOLT	4	
	1-8897	WASHER	4	
	AN363-428	NUT	4	
30	3-985-25	TUBE - FLEX	2	
	5912	CLAMP	4	
31	3-985-15	TUBE - FLEX	1	
	5912	CLAMP	2	
32	3-985-11	TUBE - FLEX	1	
	5912	CLAMP	2	
	4-1454	ASSEMBLY AIR SCOOP BOX	1	
33	2-1922	FLANGE	1	
34	AN426AD4-8	RIVET	12	
35	3-1413	COVER	1	
36	3-1385	AIR BOX	1	
37	1-3670-3	FLANGE	1	
	AN470AD4-4	RIVETS	2	
	AN426AD4-4	RIVETS (FLUSH TYPE)	3	
38	1-2563	PLATE - BEARING	2	
	AN470AD4-5	RIVET	6	
39	1-8950-2	SHAFT ASS'Y	1	
40	1-9155	FLAP	1	
	AN526-632-10	SCREW	3	
	AN364-632	NUT	3	
41	AN515-8-5	SCREW	16	
	C420-832-1	NUT	16	
42	AN74A-3	BOLT	4	
43	2-1936	OIL PICK UP TUBE (WITH SCREEN)	1	
44	2-1932	TUBE - STATIONARY	1	
45	60820	GASKET (LYCOMING) CF	1	
	AN392-31	PIN (TUBE TO TUBE ATTACH)	1	
	AN380-2-2	COTTER PIN	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AB	
			UNITS PER ASS'Y	
44-46	4-1460	ASSEMBLY OIL SUMP BAFFLE	1	
47	68972	GASKET (1 EA. SIDE OF BAFFLE LYC.)	2	
48	2-1930	OIL RETURN TUBE (SELECT MACHINE FIT TO EA. ENG.)		
	AN960-916	WASHER	2	
	1-9836	NUT	1	
49	1-10112	PLACARD - OIL SUMP	1	
50	1-9843	HEX PLUG - OIL SUMP BOTTOM	1	
51	350-5-0204	FUEL LINE (STRAINER TO PUMP INLET) (PUMP OUTLET TO ENG. PUMP)	2	
	AN912-1D	REDUCER (STRAINER)	1	
	1/4 x 1/8			
52	AN822-4D	ELBOW 90° (STRAINER)	1	
		OIL PRESSURE LINE	1	
	1-9644	NIPPLE - ENGINE	1	
	AN832-3	UNION - FIREWALL	1	
	AN960-616	WASHER	2	
53	AN924-3	NUT (FOR AN832-3)	1	
		THROTTLE AND CARB. HEAT CONTROL ATTACHMENT AT MOUNT		
	2-1950	BRACKET	1	
	1-2362	WASHER	2	
	1-2577	SHIM	1	
	AN4-7A	BOLT	1	
	AN365-428	NUT	1	
	AN742-4	CLAMP	2	
	AN3-4A	BOLT	2	
	AN960-10	WASHER	2	
54	AN365-1032	NUT	2	
		MIXTURE CONTROL ATTACHMENT AT MOUNT		
	2-1951	BRACKET	1	
	AN4-7A	BOLT	1	
	AN365-428	NUT	1	
	AN742-3	CLAMP	1	
	AN960-10	WASHER	1	
	1-2362	WASHER	1	
	AN3-4A	BOLT	1	
55	AN365-1032	NUT	1	
		THROTTLE, MIXTURE AND CARB. HEAT CONTROL ATTACHMENT TO ENGINE		

FIGURE 44.
INSTALLATION - ENGINE - 7KCAB

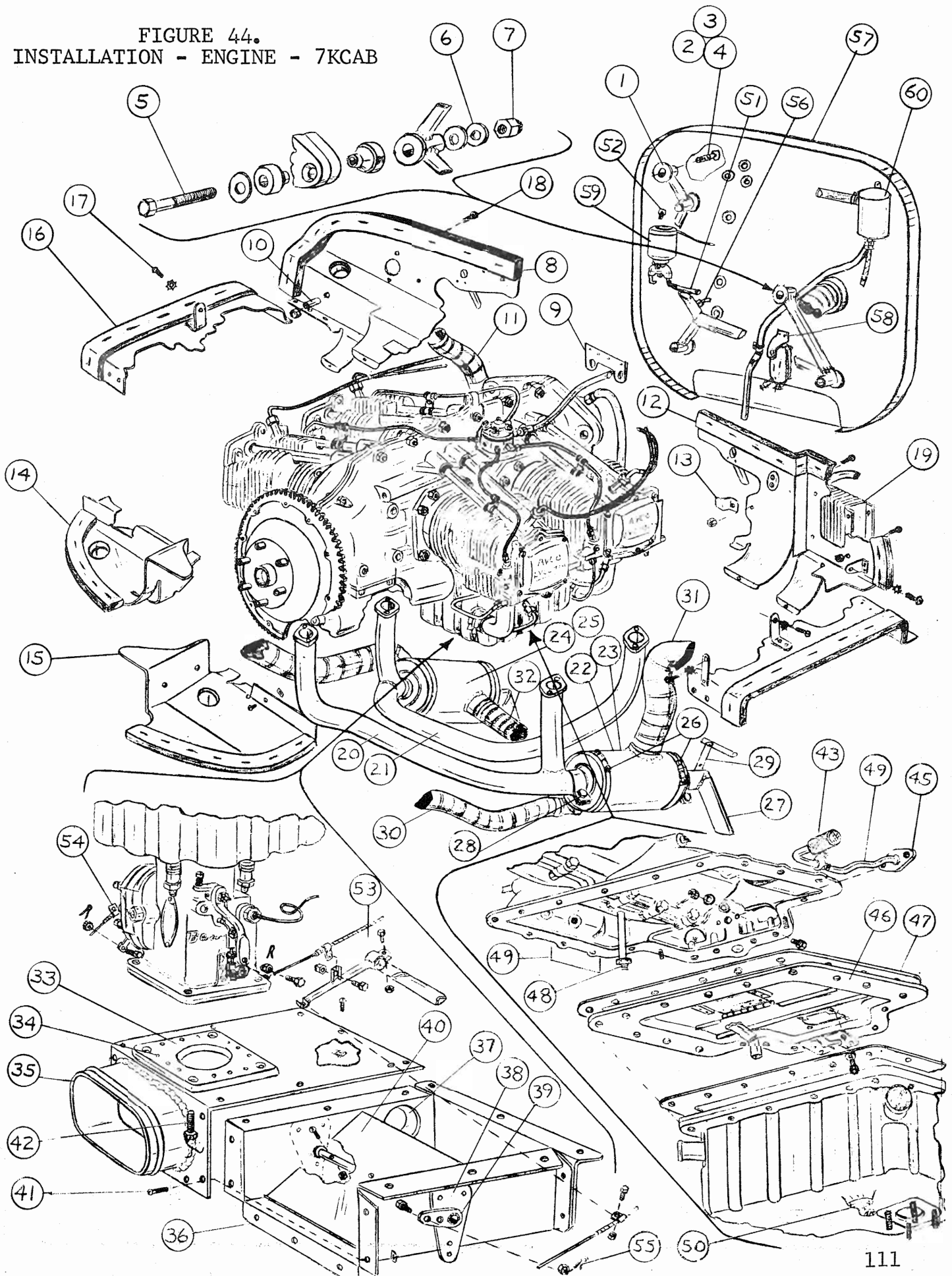


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AB	
			UNITS PER ASS'Y	
44-	1-9995	BOLT	3	
	AN960-416	WASHER	AS	
	AN960-416L	WASHER	REQ'D	
	AN310-4	NUT	AS	
	AN380-2-2	COTTER PIN	REQ'D	
56	116	GROUND STRAP	3	
	AN4-4A	BOLT	3	
	AN365-428	NUT	1	
57	4-1506	FIREWALL SUB-ASS'Y WITH PLATENUTS AND LOWER BAFFLE	1	
	4-860	FIREWALL - BLANK ONLY	1	
	4-862	FIREWALL MAT	1	
	4-972	CABIN HEATER ASSEMBLY	1	
	AN515-8-8	SCREW	3	
	AN365-832	NUT	3	
58	2-727	BRACKET - STRAINER	1	
	AN515-8-5	SCREW	2	
	C420-832-1	NUT	2	
59	8110-C	FUEL PUMP - EMERG. (WELDON)	1	
	AN74A-3	BOLT (ATTACHMENT)	4	
	1-8897	WASHER (AFT FIREWALL)	4	
	AN960-416	WASHER	4	
	75252	90° ELBOW (LOWER FITTINGS)	2	
	7-1302-5	VENT LINE (EMERG. FUEL PUMP)	1	
	7-1302-3	VENT LINE (ENG. FUEL PUMP)	1	
60	1-10144	SEPERATOR - ASSEMBLY	1	
	AN3-3A	BOLT (ATTACHMENT)	2	
	AN960-10L	WASHER	2	
	1-8947-4	HOSE (SEPERATOR TO OIL SUMP)	1	
	AN816-8D	NIPPLE (FOR 1-8947-4)	1	
	7-1302-1	BREATHER HOSE (SEPERATOR TO.ENG.)	1	
	AN737TW38	CLAMP	2	
	7-1302-2	BREATHER LINE (SEPERATOR TO OVERBOARD)		
	1-8832-3	HOSE - CONNECTING	1	
	AN737TW38	CLAMPS	2	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			AA, BC, AB	CA
			UNITS PER	ASS'Y
45-	7-1288	DRAWING - INSTALLATION COWLING		
1	7-1282-1	COWLING - UPPER HALF	1	1
2	7-1282-2	COWLING - LOWER HALF	1	1
3	AN526-1032-10	SCREWS (FIREWALL ATTACHMENT)	12	12
	AN960-10L	WASHER	12	12
4	LP22T82S8	SCREW (LONG LOK)	16	16
	1-9737-1	NUT	16	16
5	7-1288-7	DOOR - COWLING	1L/1R	1L/1R
6	4509	LANDING LIGHT (100W-12V-G.E.)	1	1
7	2-1912	BRACKET	1	1
8	AN526-832-1	SCREW	3	3
	AN365-832	NUT	3	3
9	131	WIRE ASSEMBLY { INPUT }	1	1
	130	WIRE ASSEMBLY { GROUND }	1	1
	7-1288-2	SPAGHETTI (WIRING COVER)	1	1
10	MS21919DF4	CLAMP (WIRE ATTACHMENT)	3	3
11	CA-121PL	AIR FILTER (FRAM)	1	1
12	3-1388	FILTER SHIM	1	1
13	AN526-1032-12	SCREW	2	2
14	4-1514	ASSEMBLY 15 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH MCCAULEY 1C90CLM PROP)		1
	4-1360	SPINNER		1
	4-1418	BULKHEAD		1
	4-1515	BACKPLATE		1
	1-8801	WASHER		16
	NAS221-9	SCREW		16
	3-1408	ASSEMBLY 15 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH MCCAULEY 1C90ALM PROP)		1
	4-1360	SPINNER		1
	3-1407	BACKPLATE		1
	4-1387	BULKHEAD		1
	1-8801	WASHER		16
	NAS221-9	SCREW		16
	3-1497-1	ASSEMBLY 13 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH MCCAULEY 1C90CLM)		1
	4-1573-1	SPINNER		1
	3-1496-1	BULKHEAD		1
	3-1495	BACKPLATE		1
	AN470AD4-4	RIVET		4
	AN526-1032-8	SCREW		12
	3-1474	ASSEMBLY 4 INCH SPINNER AND BRACKET (WITH MCCAULEY 1C90ALM or CLM PROP)		1
	4-1360-2	SPINNER		1
	2-2025	BRACKET		1
	AN526-832-8	SCREW		1
	C814-832-1	NUT		1

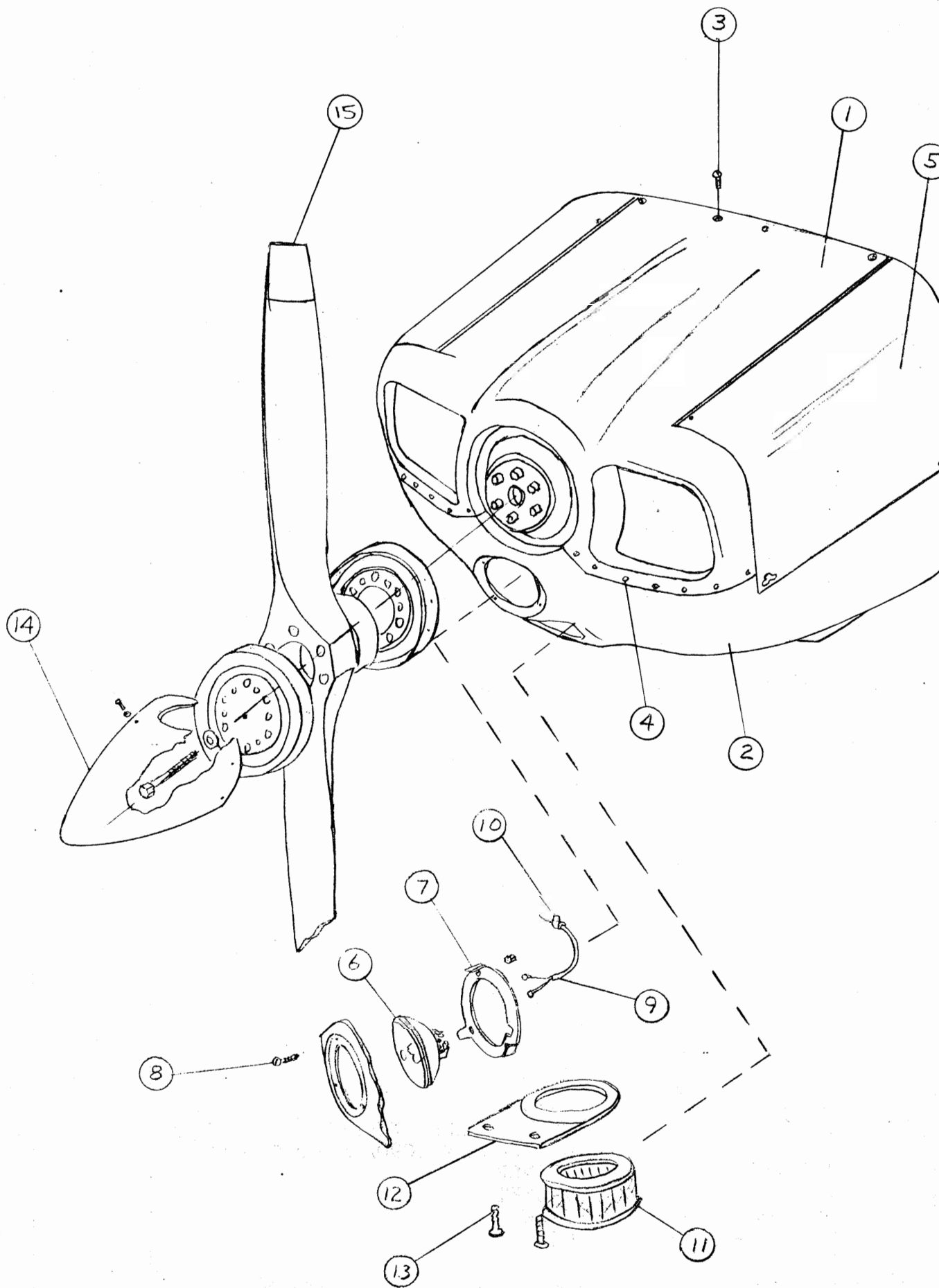


FIGURE 45. INSTALLATION - COWLING AND SPINNERS

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	MODEL	
			AA, BC, AB	CA
			UNITS PER ASS'Y	
45-	3-1397	ASSEMBLY 15 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH MCCAULEY 1C172AGM72 PROP)	1	
	4-1406	SPINNER	1	
	3-1393	BACKPLATE	1	
	4-1418	BULKHEAD	1	
	1-8801	WASHER	16	
	NAS221-9	SCREW	16	
	3-1497-2	ASSEMBLY 13 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH MCCAULEY 1C172AGM72 PROP)	1	
	4-1573-2	SPINNER	1	
	3-1496-1	BULKHEAD	1	
	3-1495	BACKPLATE	1	
	AN470AD4-4	RIVET	4	
	AN526-1032-8	SCREW	12	
	3-1497-3	ASSEMBLY 13 INCH SPINNER, BACKPLATE AND BULKHEAD (WITH SENSENICH 74DM6S8-1 PROP)	1	
	4-1573-2	SPINNER	1	
	3-1496-2	BULKHEAD	1	
	3-1495	BACKPLATE	1	
	AN470AD4-4	RIVET	4	
	AN526-1032-8	SCREW	12	
	1C172AGM72	PROPELLER (MCCAULEY)	1	
	1C90ALM72	PROPELLER (MCCAULEY		1
	or			
	1C90CLM72			
	74DM6S8-1	PROPELLER (SENSENICH)	1	

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, BC	AB
			UNITS PER	ASS'Y
46-	4-1579 5-381	DRAWING - INSTALLATION METAL SKIN BELLY DRAWING - INSTALLATION FUSELAGE LUGS METAL SKIN BELLY		
1	3-1498	SKIN ASSEMBLY	1	1
2	4-1575	SKIN ASSEMBLY	1	1
3	4-1576	SKIN ASSEMBLY	1	1
4	2-2050	SKIN ASSEMBLY	1	1
5	1-8999	PLATE - FRAME	38	38
6	1-10247	FITTING - FRAME FORWARD	1	1
7	3-1500	CHANNEL - FRAME	1	1
8	1-10246	FITTING - FRAME	2	2
9	S5-200	SPRING - DZUS	47	47
10	1-10248	SPACER - SPRING	47	47
11	AD45ABS	RIVET	94	94
12	4-1579-1	RUBBER STRIPS	8	8

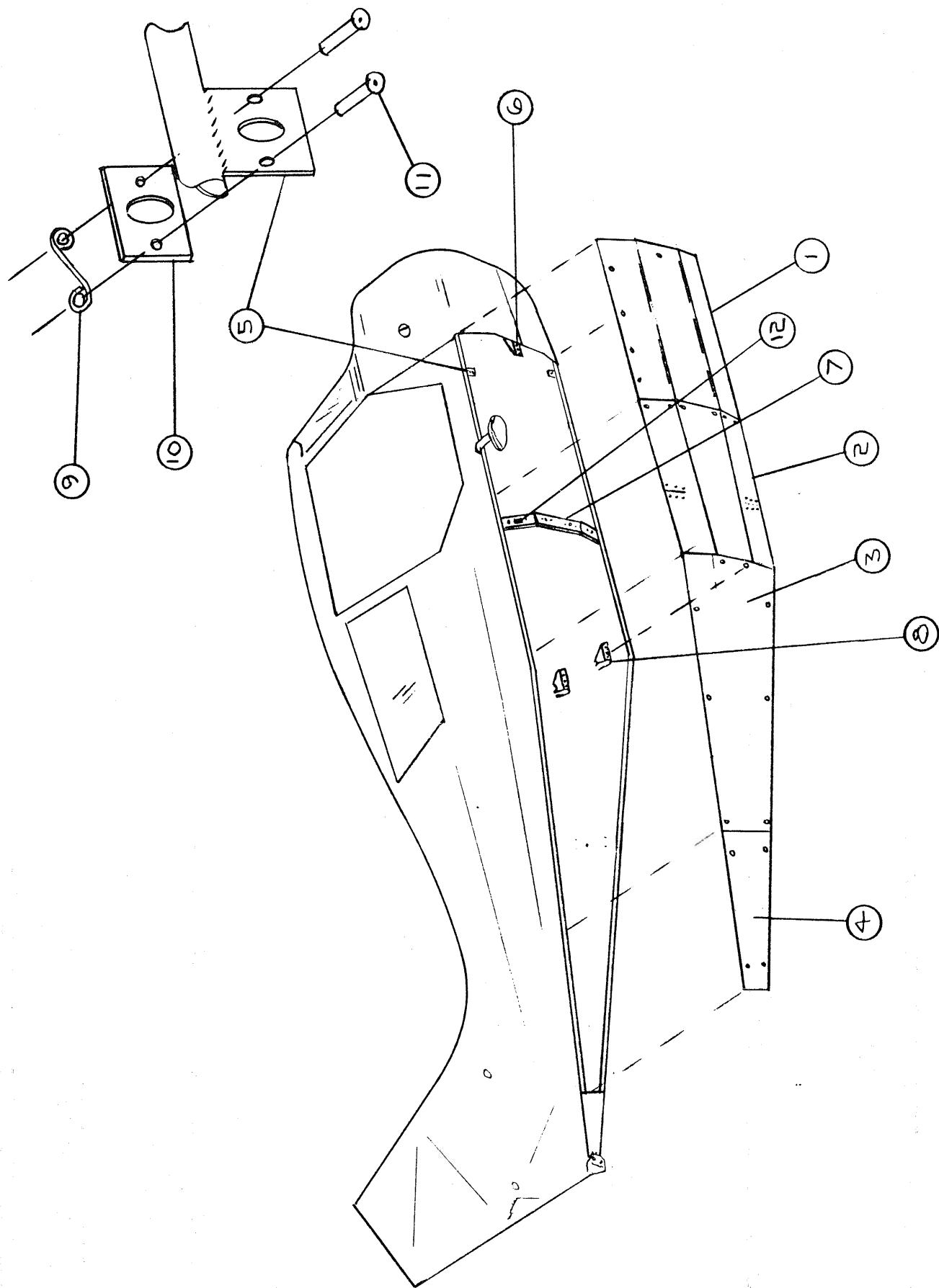


FIGURE 46 - INSTALLATION METAL SKIN BELLY

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION 1 3 5 7	MODEL	
			CA, AA, BC	AB
			UNITS PER ASS'Y	
47-	3-1512	DRAWING - INSTALLATION WING TIP STROBE LIGHTS		
	A429	STROBE LIGHTS - WING TIP	2	2
	HDT2	POWER SUPPLY - FIREWALL	1	1
	AN515-8-8	SCREW - INSTALLATION	4	4
	AN960-8L	WASHER	4	4
	AN365-832	NUT	4	4
	HD, T ₂	INSTALLATION KIT	1	1
	1-9152-1	SWITCH	1	1
	342012	FUSEHOLDER	1	1
	142	WIRE ASSEMBLY	1	1
	5 AMP	FUSE	1	1
	1-9936-5	PLACARD	1	1