

AIRFRAME PARTS CATALOG

★ STEARMAN ★



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Stearman Airframe Parts Catalog

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Notice

Non PMA, STC or surplus/used parts do not have an **AG** preceding the part number.

Maintenance record entry for these part installations by an appropriately rated mechanic will constitute approval.

INTERPLANE & CABANE STRUTS, WING & CENTER SECTION WIRES

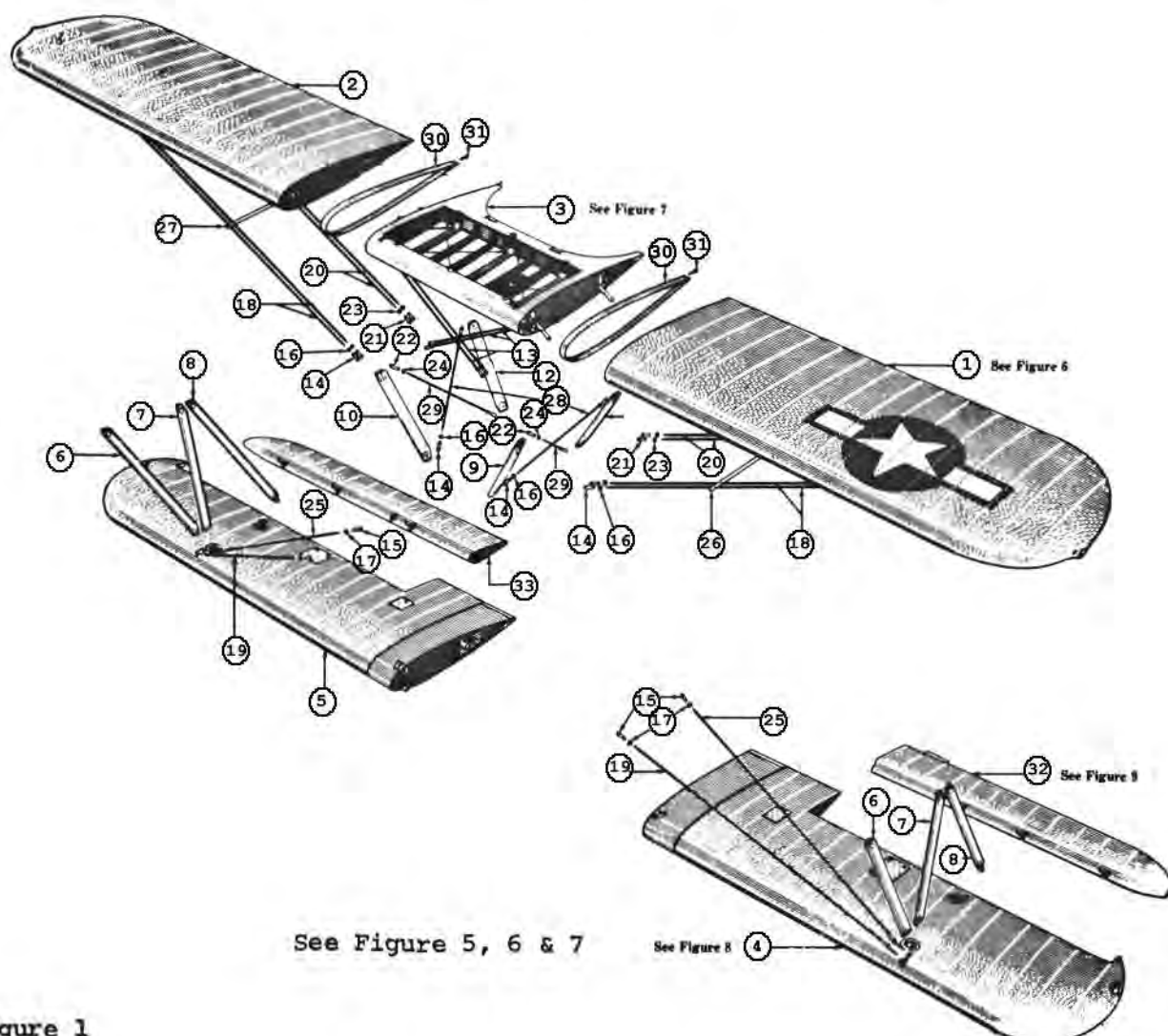


Figure 1

Index

No.	Part No.	Description	Cond.
6	AG75-1501	Strut assy-front interplane	FAA-PMA
7	AG75-1502	Strut assy-diagonal interplane	FAA-PMA
8	AG75-1503	Strut assy-rear interplane	FAA-PMA
	AG75-1504	Fitting-rear interplane strut end	FAA-PMA
	AG75-1505-1	Plate-reinforcing interplane strut ends	FAA-PMA
	AG75-1506	Screw-rear interplane strut end adjusting	FAA-PMA
	AG75-1508	Collar-rear interplane strut end adjusting	FAA-PMA
	AG75-1515	Clevis-rear interplane strut end adjusting	FAA-PMA
	AGS-278-12S	Replacement bushing-flanged, interplane struts	FAA-PMA
	Attach. hdw.	2 ea. AN6-13, 2 ea. AN6-16 & 8 ea. AN6-17 bolts, 12 ea. AN310-6 nuts, 12 ea. AN380-3-3 cotter pins	
9	75-1510	Strut assy-center section front l.h.	N-S
10	75-1510-1	Strut assy-center section front r.h.	N-S
11	75-1511	Strut assy-center section rear l.h.	N-S
12	75-1511-1	Strut assy-center section rear r.h.	N-S
	75-1512	Plate-reinforcement center section strut ends	New
	AGS-278-12S	Replacement flanged bushing, front c/section struts	FAA-PMA

INTERPLANE & CABANE STRUTS, WING & CENTER SECTION WIRES continued

Figure 1

Index

No.	Part No.	Description	Cond.
	AGS-280-18S	Replacement flanged bushing, front c/section struts	FAA-PMA
	Attach. hdw.	4 ea. AN6-16, 4 ea. AN8-22 bolts, 4 ea. AN310-6, 4 ea. AN310-8 nuts, 4 ea. AN380-3-3 & 4 ea. AN380-3-4 cotter pins	
13	75-1001	Tie rod assy-center section roll, 4 required	New
14	AN665-61R	Clevis terminal 75-1001 wire, 4 required	New
15	AN665-61L	Clevis terminal 75-1001 wire, 4 required	New
16	AN315-5R	Nut-clevis terminal 75-1001 wire, 4 required	New
17	AN315-5L	Nut-clevis terminal 75-1001 wire, 4 required	New
	Attach. hdw.	8 ea. AN396-19 clevis pin & 8 ea. AN380-3-3 cotter pin	
18	AN675AC-12025	Tie rod-front flying wire, 4 req. less ends	F/New
18	AN675AC-12025	Tie rod-front flying wire, 4 req. less ends	Serv.
14	AN665-61R	Clevis terminal, AN675AC-12025, 4 required	New
15	AN665-61L	Clevis terminal, AN675AC-12025, 4 required	New
16	AN315-5R	Nut-clevis terminal AN675AC-12025, 4 required	New
17	AN315-5L	Nut-clevis terminal AN675AC-12025, 4 required	New
	Attach. hdw.	8 ea. AN396-19 clevis pin & 8 ea. AN380-3-3 cotter pin	
19	AN675AC-9300	Tie rod-front landing, 2 required less ends	F/New
19	AN675AC-9300	Tie rod-front landing, 2 required less ends	Serv.
14	AN665-61R	Clevis terminal, AN675AC-9300, 2 required	New
15	AN665-61L	Clevis terminal, AN675AC-9300, 2 required	New
16	AN315-5R	Nut-clevis terminal, AN675AC-9300, 2 required	New
17	AN315-5L	Nut-clevis terminal, AN675AC-9300, 2 required	New
	Attach. hdw.	4 ea. AN396-19 clevis pin & 4 ea. AN380-3-3 cotter pin	
20	AN676AC-11925	Tie rod-rear flying, 4 required less ends	F/New
20	AN676AC-11925	Tie rod-rear flying, 4 required less ends	Serv.
21	AN665-80R	Clevis terminal, AN676AC-11925, 4 required	New
22	AN665-80L	Clevis terminal, AN676AC-11925, 4 required	New
23	AN315-6R	Nut-clevis terminal AN676AC-11925, 4 required	New
24	AN315-6L	Nut-clevis terminal AN676AC-11925, 4 required	New
	Attach. hdw.	8 ea. AN396-19 clevis pin & 8 ea. AN380-3-3 cotter pin	
25	AN675AC-8900	Tie rod-rear landing, 2 required less ends	F/New
25	AN675AC-8900	Tie rod-rear landing, 2 required less ends	Serv.
14	AN665-61R	Clevis terminal, AN675AC-8900, 2 required	New
15	AN665-61L	Clevis terminal, AN675AC-8900, 2 required	New
16	AN315-5R	Nut-clevis terminal, AN675AC-8900, 2 required	New
17	AN315-5L	Nut-clevis terminal, AN675AC-8900, 2 required	New
	Attach. hdw.	4 ea. AN396-19 clevis pin & 4 ea. AN380-3-3 cotter pin	
26	AG75-1005	Stay assy-streamline wires, l.h.	FAA-PMA
27	AG75-1005-1	Stay assy-streamline wires, r.h.	FAA-PMA
	Attach. hdw.	4 ea. AN520-10-16 screw & 4 ea. AN365-1032A nut	
28	AN675AC-3925	Tie rod-drag cabane, 2 required less ends	F/New
28	AN675AC-3925	Tie rod-drag cabane, 2 required less ends	Serv.
14	AN665-61R	Clevis terminal, AN675AC-3575, 2 required	New
15	AN665-61L	Clevis terminal, AN675AC-3575, 2 required	New
16	AN315-5R	Nut-clevis terminal, AN675AC-3575, 2 required	New
17	AN315-5L	Nut-clevis terminal, AN675AC-3575, 2 required	New
	Attach. hdw.	4 ea. AN396-19 clevis pin & 4 ea. AN380-3-3 cotter pin	
29	AN676AC-3575	Tie rod-anti-drag cabane, 2 required less ends	F/New
29	AN676AC-3575	Tie rod-anti-drag cabane, 2 required less ends	Serv.
21	AN665-80R	Clevis terminal, AN676AC-3575, 2 required	New
22	AN665-80L	Clevis terminal, AN676AC-3575, 2 required	New
23	AN315-6R	Nut-clevis terminal, AN676AC-3575, 2 required	New
24	AN315-6L	Nut-clevis terminal, AN676AC-3575, 2 required	New

INTERPLANE & CABANE STRUTS, WING & CENTER SECTION WIRES continued

Figure 1

Index

No.	Part No.	Description	Cond.
	Attach. hdw. AN396-19	4 ea. AN396-19 clevis pins, 4 ea. AN380-3-3 cotter pins Clevis pin set, 40 ea. for flying, landing & cabane wires Interplane strut bolt & nut attach. kit Cabane strut bolt & nut attach. kit	New New New
30	AG75-1007	Closure-wing gap, 2 required	FAA-PMA
31	AG75-1008	Bolt-wing gap closure, 2 required	FAA-PMA
	Attach. hdw.	4 ea. AN526-1032-6 screws	

UPPER WINGS & COMPONENT PARTS

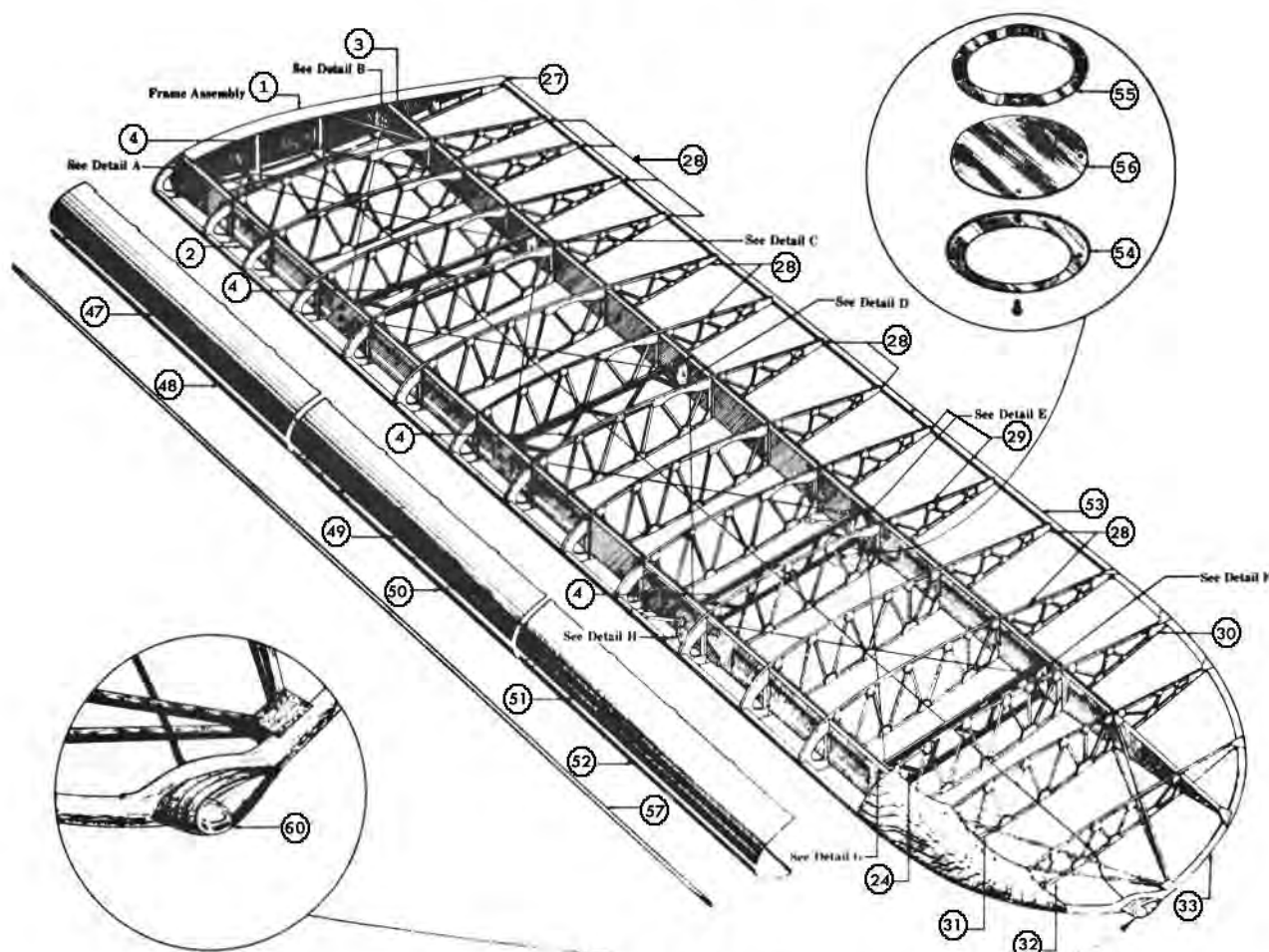


Figure 2 Upper Wing Assembly

Index

No.	Description	Cond.
1	75-1100 Wing assy-l.h., fresh cover grade "A", all new FAA-PMA wood	
1	75-1100-1 Same as above except r.h.	
1	75-1101 Wing assy-l.h., uncovered, all new FAA-PMA wood	
	75-1101-1 Same as above except r.h.	

UPPER WINGS & COMPONENT PARTS continued

Figure 2

Index

No.	Part No.	Description	Cond.
2	AG75-1103	Spar assy, w/plates not glued, all drilled, upper front l.h.	FAA-PMA
2	AG75-1103-1	Same as above except r.h.	FAA-PMA
	Attach parts	1 ea. AG75-1141-8 & 1 ea. AG75-1141-14 spar bushing	
3	AG75-1104	Spar assy, w/plates not glued, all drilled upper rear l.h.	FAA-PMA
3	AG75-1104-1	Same as above except r.h.	FAA-PMA
	Attach parts	1 ea. AG75-1141-13 spar bushing, All spars sitka kiln dry spruce MIL-6073	
4	AG75-1134	Strut assy-heavy compression short, 4 req.	FAA-PMA
24	AG75-1234	Strut assy-light compression, 1 req.	FAA-PMA
27	AG75-1154	Rib assy-upper wing root l.h., not boxed	FAA-PMA
27	AG75-1154-1	Rib assy-upper wing root r.h., not boxed	FAA-PMA
27	AG75-1154B	Rib assy-upper wing root l.h., boxed	FAA-PMA
27	AG75-1154B-1	Rib assy-upper wing root r.h., boxed	FAA-PMA
28	AG75-1105	Rib assy-main upper wing, lh and rh, 10 required	FAA-PMA
29	AG75-1107	Rib assy-adjacent to strut point, 2 required	FAA-PMA
30	AG75-1108	Rib-upper tip #3	FAA-PMA
31	AG75-1110	Rib-upper tip #2	FAA-PMA
32	AG75-1109	Rib-upper tip #1	FAA-PMA
	NOTE: All ribs sitka spruce & assembled w/steel aircraft nails		
33	AG75-1102	Bow-upper wing lh or rh, laminated spruce	FAA-PMA
33	AG75-1102-L	Bow-upper wing lh or rh, laminated spruce, w/light adapter	FAA-PMA
33	AG75-1157-16	Brace kit-upper wing bow w/gussets	FAA-PMA
47-52	DS-1146LE	Aluminum leading edge kit, lh or rh	FAA-PMA
53	75-1153	Aluminum trailing edge, upper wing, 6061-T6 extrusion, 10' long	N-P
53	75-1153	Aluminum trailing edge, upper wing, 6061-T6 extrusion, per foot	N-P
54	AG75-1117	Frame-inspection opening, outer	FAA-PMA
55	AG75-1118	Frame assy-inspection opening	FAA-PMA
56	AG75-1119	Window-inspection	FAA-PMA
	Attach. hdw.	8 ea. AN526-1032-8 screw	
57	75-1158-1	Spoiler-leading edge upper wing	N-P
60	Al285-12G & Al285-12R	Light assy-position wing tip	F/New
	E75N1-1108	Upper wing grade "A" cotton slip cover, lh or rh	
		Upper wing attach. hardware 4 ea. AN8-30 bolt, 4 ea. AN310-8 nut & 4 ea. AN380-3-4 cotter pin	
	1512-12	Replacement lamp, 12 volt	F/New
	Al257A	Gasket-lens	F/New
	Al280-2	Lens-red	F/New
	Al280-3	Lens-green	F/New

UPPER WING COMPONENT PARTS

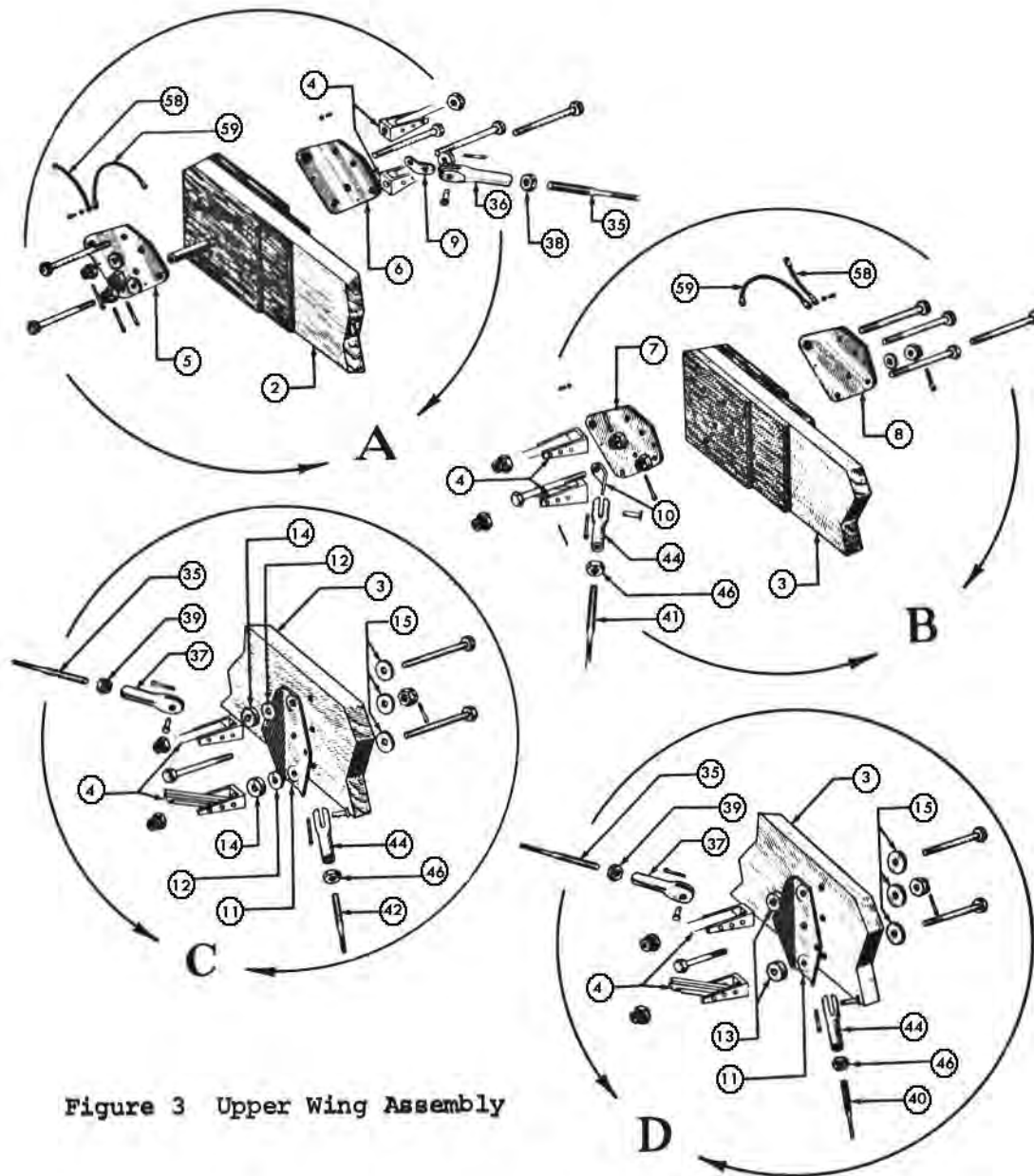


Figure 3 Upper Wing Assembly

Index
No.

Cond.

5 & 6	75-1120-1120-1	Plate assy set-upper front root lh & rh	N-P
5 & 6	75-1120-1120-1	Plate assy set-upper front root lh & rh	Serv.
7 & 8	75-1121-1121-1	Plate assy set-upper rear root lh & rh	N-P
7 & 8	75-1121-1121-1	Plate assy set-upper rear root lh & rh	Serv.
5,6,7,8	AGS-280-12S	Bushing-flanged for AG75-1120,1120-1,1121,1121-1	FAA-PMA
	Attach. hdw.	4 ea. AN5DD-26A, 2 ea. AN5DD-25 alum bolt, 4 ea. AN365D-524, 4 ea. AN310D-5 alum nut, 2 ea. AN960-616 washer & 4 ea. AN380-2-2 cotter pin	
9	75-1129	Lug-2100# drag wire single, 1 required	N-S
	Attach. hdw.	1 ea. AN6DD-27 alum bolt	
10	75-1130	Lug-3400# drag wire single, 1 required	N-S
	Attach. hdw.	1 ea. AN6DD-30 alum bolt, 1 ea. AN960-616 washer & 1 ea. AN310D-6 nut	

UPPER WING COMPONENT PARTS continued

Figure 3

Index		Description	Cond.
No.	Part No.		
11	75-1127	Lug-wing drag wire double, 4 required	N-S
	Attach hdw.	8 ea. AN5DD-22A aluminum bolts	
12	AG75-4513-22	Washer-special, 4 required	FAA-PMA
13	AG75-4513-34	Washer-special, 4 required	FAA-PMA
14	AG75-4513-35	Washer-special, 4 required	FAA-PMA
	Attach. hdw.	1 ea. AN5DD-24, 2 ea. AN5DD-15 & 2 ea. AN5DD-16 aluminum bolts, 8 ea. AN365D-524 nut	
15	AG75-4513-7	Washer-special, 12 required	FAA-PMA
	Attach. hdw.	4 ea. AN310D-5 alum nut & 4 ea. AN380-2-2 cotter pin	
35	A703AC-3900	Tie rod-internal, s. steel, 2100# 10-32 less ends 3 required	F/New Serv.
35	A703A-3900	Tie rod-internal, 2100# 10-32,	
36	AN665-21R	Clevis terminal, rh thread, 2 required	F/New
37	AN665-21L	Clevis terminal, lh thread, 2 required	F/New
38	AN315-3R	Nut-clevis terminal rh thread, 2 required	F/New
39	AN315-3L	Nut-clevis terminal lh thread, 2 required	F/New
	Attach. hdw.	2 ea. AN393-11 clevis pin & 4 ea. AN380-2-2 cotter pin	
40	AN704AC-3750	Tie rod-s. steel, internal 3400# 1/4-28 1 required less ends	F/New Serv.
40	AN704A-3750	Tie rod-internal 3400# 1/4-28, 1 required	
41	AN704AC-3825	Tie rod-s. steel, internal 3400# 1/4-28 1 required less ends	F/New Serv.
41	AN704A-3825	Tie rod-internal 3400# 1/4-28, 1 required	
42	AN704AC-3900	Tie rod-s. steel, internal 3400# 1/4-28, 1 required less ends	F/New Serv.
42	AN704A-3900	Tie rod-internal 3400# 1/4-28, 1 required	
44 & 46	Attach hdw.	3 ea. AN665-34R, 3 ea. AN665-34L clevis terminals, 3 ea. AN315-4R, 3 ea. AN315-4L nuts, 6 ea. AN394-15 clevis pins & 6 ea. AN380-2-2 cotter pins	
58	2AJ8-8	Jumper-bonding, 2 required	N-S
59	4AJ8-8	Jumper-bonding, 2 required	N-S

UPPER WING COMPONENT PARTS

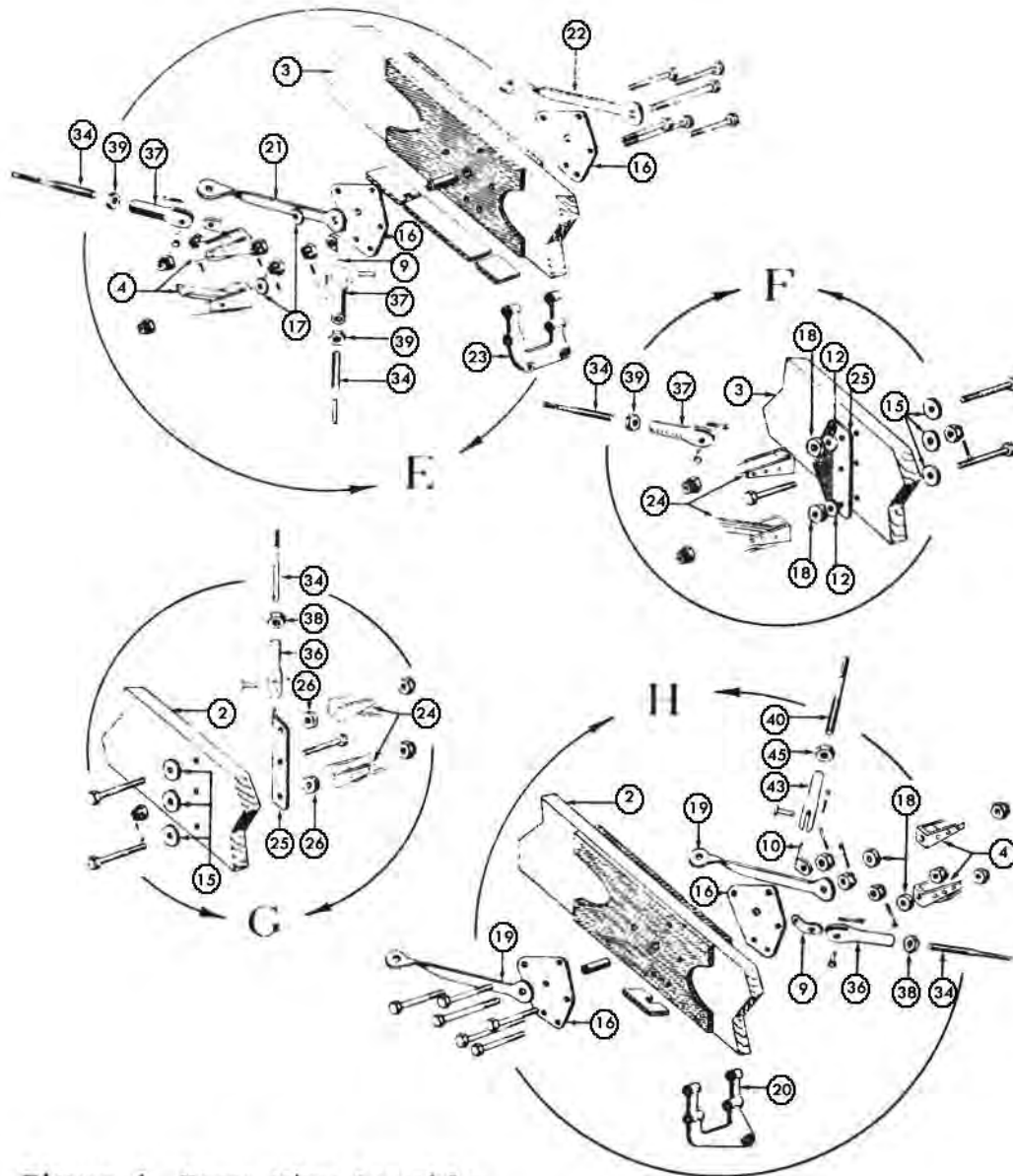


Figure 4 Upper Wing Assembly

Index		Description	Cond.
No.	Part No.		
4	75-1222	Plate-strut fitting, 4 required	N-S
	Attach. hdw.	2 ea. AN5DD-24A & 2 ea. AN5DD-26A alum bolts	
17	AG75-4513-23	Washer-special, 2 required	FAA-PMA
18	AG75-4513-24	Washer-special, 2 required	FAA-PMA
	Attach. hdw.	4 ea. AN365D-524 alum nuts	
9	75-1129	Lug-2100# drag wire single, 3 required	N-S
10	75-1130	Lug-3400# drag wire single, 1 required	N-S
	Attach. hdw.	2 ea. AN6DD-24, 2 ea. AN6DD-25 alum bolts, 4 ea. AN310-206 alum nut, 1 ea. AN380-2-2 & 3 ea. AN380-3-3 cotter pins	
19	75-1168	Lug-upper front flying wire, 2 required	N-S
20	75-1164	Fitting-upper front wing strut	N-P
21	75-1115	Lug-front upper rear flying wire	N-S
22	75-1116	Lug-rear upper rear flying wire	N-S

UPPER WING COMPONENT PARTS continued
Figure 4

Index		Description	Cond.
No.	Part No.		
23	AG75-1166 Attach hdw.	Fitting-upper rear wing strut 2 ea. AN8-43, 2 ea. AN310-8 nuts, 2 ea. AN380-3-3 cotter pins, 2 ea. AN4DD-41 alum bolt, 2 ea. AN310-D4 alum nut & 2 ea. AN380-2-2 cotter pin	FAA-PMA
25	75-1128 Attach hdw.	Lug-wing drag wire single, 2 required 2 ea. AN5DD-20A alum bolt	N-S
26	AG75-4513-25 Attach hdw.	Washer-special, 2 required 2 ea. AN5DD-17A alum bolt	FAA-PMA
12	AG75-4513-22	Washer-special, 2 required	FAA-PMA
18	AG75-4513-24 Attach hdw.	Washer-special, 2 required 4 ea. AN365D-524 alum nut, 2 ea. AN5DD-14 alum bolt	FAA-PMA
15	AG75-4513-7 Attach hdw.	Washer-special, 6 required 2 ea. AN310-D5 alum nut, 2 ea. AN380-2-2 cotter pin	FAA-PMA
34	AN703AC-3825	Tie rod-internal, s.steel, 2100# 10-32, 3 required less ends	F/New
34	AN703A-3825	Tie rod-internal, 2100# 10-32	Serv.
43	AN665-34R	Clevis terminal, rh thread, 3 required	F/New
45	AN315-4R AN231-2	Clevis terminal, lh thread, 3 required Drain grommets, 36 required	F/New New
		Upper Wing Hardware Kits	
	DS75-1100-BN	Aluminum & steel bolt & nut kit, per wing	F/New
	DS75-1100-SBW	Spar bushings-special washer kit, per wing Upper wing hardware kit	FAA-PMA

WOOD KITS - UPPER WING

Upper Wing Rib Kits

DS75-110B LH or DS75-110B-1 RH

Each Kit Contains Following Ribs

1 ea. AG75-1154B	Root Rib-boxed, specify lh or rh
10 ea. AG75-1105	Rib-upper main
2 ea. AG75-1107	Rib-upper adjacent to wing strut fitting
1 ea. AG75-1109	Rib-upper tip #1
1 ea. AG75-1110	Rib-upper tip #2
1 ea. AG75-1108	Rib-upper tip #3

DS75-110 LH or DS75-110-1 RH

Same as above except
root rib not boxed

DS75-110MKB LH or DS75-110MKB-1 RH
Master Upper Wing "Do It Yourself" Kit

Kit Contains Following Parts-specify LH or RH

1 set DS-110B LH or 1 set DS-110B-1 RH Rib Kit	
1 ea. Upper Front Spar Assy, pre-marked for ribs	
1 ea. Upper Rear Spar Assy, pre-marked for ribs	
1 ea. AG75-1102	Upper Wing Bow
1 ea. DS75-1157-16	Brace Kit-wing bow
1 ea. DS75-1111BK	Brace Kit-root rib
1 ea. AG75-1113-2	Cover-plywood, leading edge tip, bottom half
1 ea. AG75-1113-3	Cover-plywood, leading edge tip, top half
1 set 5/16x5/16	Filler cap strip
1 ea. 111STR	Wood leading edge stringer 12'
1 ea. DS75-1153	Aluminum trailing edge
1 set DS-1146LE	Leading Edge Aluminum
1 set 5/16x5/16	Spruce Cap Strip-filler between ribs
1 set Steel	Aircraft Nails
1 lb.	Weldwood Glue

DS75-110MKB LH DS75-110MKB-1 RH

DS75-110MK LH or DS75-110MK-1
with unboxed root rib

NEW PRODUCTION STEARMAN AIRFRAME PARTS

UPPER WING COMPONENT PARTS

FAA-PMA

WING SPARS - UPPER, DRILLED & PLATED

Sitka Spruce MIL-6073 Kiln Dry-

These spars are manufactured in our own shop

All holes drilled with special jigs

Satisfaction Guaranteed

AG75-1103 Spar assy-with plates (not glued)-upper front lh---
AG75-1103-1 Spar assy-with plates (not glued)-upper front rh---
AG75-1104 Spar assy-with plates (not glued)-upper rear lh---
AG75-1104-1 Spar assy-with plates (not glued)-upper rear rh---



FAA-PMA

JAVELIN - Streamline Wire Stay

AG75-1005 LH AG75-1005-1 RH

AG75-1113-2 COVER-Plywood
Upper Wing Tip Leading Edge
Bottom

AG75-1113-3 COVER-Plywood
Upper Wing Tip Leading Edge
Top



75-1120 - AG75-1120-1
PLATE ASSY- Upper Front
Root Fitting



75-1121 - AG75-1121-1
PLATE ASSY - Upper Rear
Root Fitting

AGS-280-12S BUSHING-FLANGED - 1/2" for Wing Root Plates
FAA-PMA

NEW PRODUCTION STEARMAN AIRFRAME PARTS
UPPER WING COMPONENT PARTS continued

75-1164

FITTING - Upper Front Wing Strut



AG75-1166

FITTING - Upper Rear Wing Strut

FAA-PMA

TIE RODS - Internal, Upper Wing
Factory New -- Stainless Steel

AN703AC-3825	Tie rod - 2100 lb., 10-32-----
AN703AC-3900	Tie rod - 2100 lb., 10-32-----
AN704AC-3750	Tie rod - 3400 lb., 1/4-28-----
AN704AC-3825	Tie rod - 3400 lb., 1/4-28-----
AN704AC-3900	Tie rod - 3400 lb., 1/4-28-----

NOTE: All above tie rods priced less clevis ends



AG75-1134

COMPRESSION STRUT - Heavy Short
 FAA-PMA



AG-1234

COMPRESSION STRUT - Light Long
 FAA-PMA

UPPER WING ATTACHING BOLTS
 4 each AN8-30 Bolt

NEW PRODUCTION STEARMAN AIRFRAME PARTS
UPPER WING COMPONENT PARTS continued

All Ribs Assembled in Steel Jigs with Steel Aircraft Nails

ALL FAA-PMA APPROVED

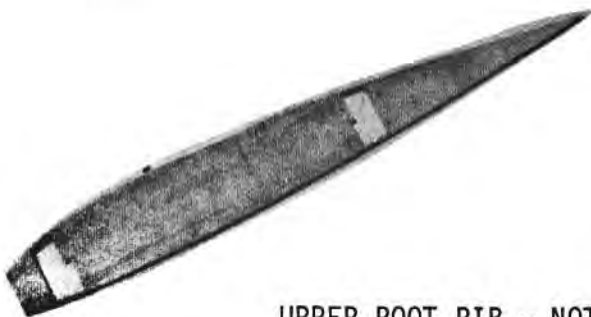


AG75-1105
RIB - MAIN UPPER

AG75-1107
RIB-UPPER
Adjacent to Strut Fitting
2 Required



AG75-1154B LH or AG75-1154B-1 RH
BOXED UPPER ROOT RIB



UPPER ROOT RIB - NOT BOXED

AG75-1154 LH

AG75-1154-1 RH

NEW PRODUCTION STEARMAN AIRFRAME PARTS
UPPER WING COMPONENT PARTS continued
ALL FAA-PMA APPROVED



AG75-1109 RIB-Upper Tip No. 1

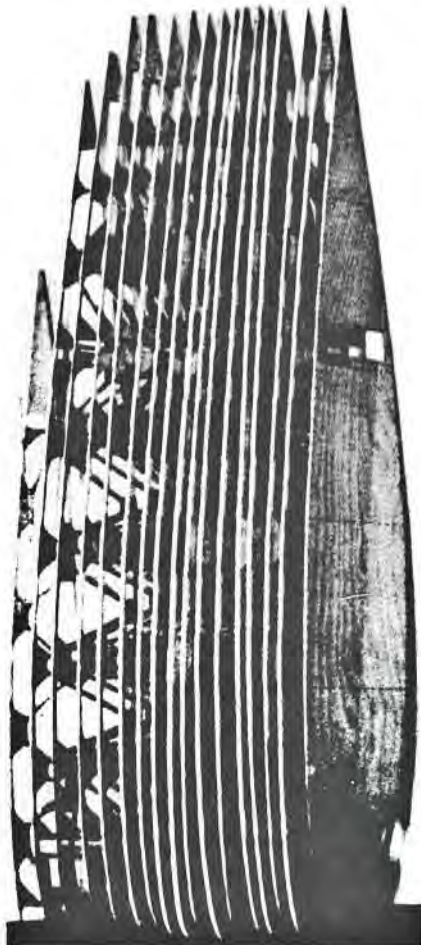


AG75-1110 RIB-Upper Tip No. 2



AG75-1108 RIB-Upper Tip No. 3

All Assembled with Steel Aircraft Nails



- DS 75-110 LH or RH
RIB KIT - UPPER WING (1 Wing)
Kit Contains Following:
1 ea. AG75-1154 Root Rib-Not Boxed, Specify LH or RH
10 ea. AG75-1105 Rib-Main Upper
2 ea. AG75-1107 Rib-Upper
Adjacent to Strut
1 ea. AG75-1109 Rib-Tip No. 1
1 ea. AG75-1110 Rib-Tip No. 2
1 ea. AG75-1108 Rib-Tip No. 3

NOTE: For DS-110B Rib Kit w/Boxed Root Rib

NEW PRODUCTION STEARMAN AIRFRAME PARTS
UPPER WING COMPONENT PARTS continued



UPPER WING BOWS
 Pre-formed - Laminated Sitka Spruce

All Sitka Spruce Wood

AG75-1102 LH AG75-1102-1 RH

AG75-1102-L LH or RH
 with wood light adapter installed

E75N1-1108 LH or RH
 FABRIC SLIP COVER - Upper Wing
 Grade "A" Fabric

DS-1146-LE
 ALUMINUM LEADING EDGE KIT-Upper Wing

75-1153 New Production
 ALUMINUM TRAILING EDGE - Pre-formed
 6061-T6 Extrusion
 For Upper Wing

111 STR
 LEADING EDGE WOOD STRINGER-Upper Wing
 3/4" x 5/8" x 12' long

75-1157-16 BRACE SET-upper wing bow



AG75-111-LE
 REPAIR RIB-Upper Main Leading Edge
 FAA-PMA -assembled w/aircraft nails



AG75-111-TE
 REPAIR RIB
 Upper Main Trailing Edge
 FAA-PMA
 assembled w/aircraft nails

NEW PRODUCTION STEARMAN AIRFRAME PARTS
UPPER WING COMPONENT PARTS continued
ALL FAA-PMA APPROVED



AG75-111TE-1 or -2 or -3
REPAIR RIB- Upper Tip Rib
Specify 1, 2 or 3 Tip when ordering
assembled with aircraft nails

PYLYWOOD REINFORCEMENT PLATE SET - Upper Spars
Aircraft Plywood

AG-132
PLATE SET
For upper front LH or RH
Wing Spar
(1 Spar)

AG-133
PLATE SET
For upper rear LH or RH
Wing Spar
(1 Spar)



E75-1111BK
BRACE KIT - Upper Root Rib
3/8" x 1/2" Cap Strip Pre-cut



75-1157-16
BRACE KIT - Upper Wing Tip to Bow
1/2" x 1/2" Cap Strip Pre-cut

LOWER WINGS & COMPONENT PARTS

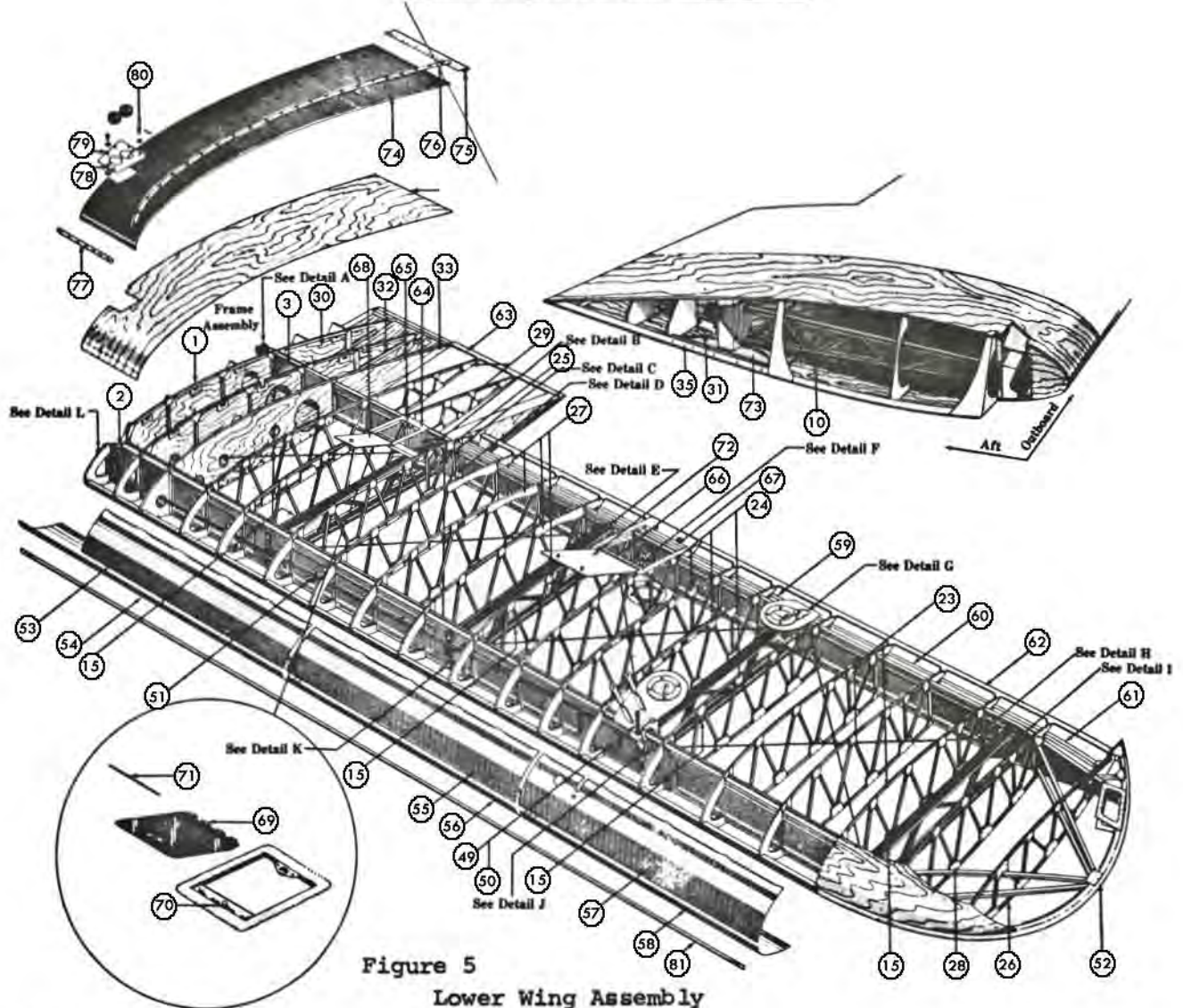


Figure 5
Lower Wing Assembly

Index No.	Part No.	Description	Cond.
1	75-1200	Wing assy-covered l.h. grade "A", all new FAA-PMA wood	
1	75-1200-1	Wing assy-covered r.h. grade "A", all new FAA-PMA wood	
1	75-1201	Wing assy-l.h., all new FAA-PMA wood	
1	75-1201-1	Wing assy-r.h., all new FAA-PMA wood	
2	AG75-1203	Spar assy w/plates not glued, drilled, lower front l.h.	FAA-PMA
2	AG75-1203-1	Same as above except r.h.	FAA-PMA
	Attach parts	1 ea. AG75-1141-15 & 1 ea. AG75-1145-16 spar bushings	
3	AG75-1204	Spar assy w/plates not glued, drilled, lower rear l.h.	FAA-PMA
3	AG75-1204-1	Same as above except r.h.	FAA-PMA
	Attach parts	2 ea. AG75-1141-3 spar bushing, All spars kiln dry sitka spruce MIL-6073	
10	AG75-1219	Strut assy-root compression - 1 Required	Recond. & FAA-PMA

LOWER WINGS & COMPONENT PARTS continued

Figure 5

Index

No.	Part No.	Description	Cond.
	Attach hdw.	2 ea. AN5DD-24A & 2 ea. AN5DD-25A alum bolts & 4 ea. AN365D-524 alum nuts	
15	AG75-1234	Strut assy-light compression - 4 Required	Recond. & FAA-PMA
	Attach hdw.	2 ea. AN5DD-21A & 2 ea. AN5DD-17A alum bolts	
23 & 27	AG75-1206	Rib assy-aileron cutaway, 9 req., lh & rh	FAA-PMA
24 & 27	AG75-1211	Rib assy-adj. to strut point lower, 2 req, lh & rh	FAA-PMA
25	AG75-1210	Rib assy-inboard of aileron root-not boxed, lh	FAA-PMA
25	AG75-1210-1	Same as above except rh	FAA-PMA
25	AG75-1210B	Rib assy-inboard of aileron root, boxed, lh	FAA-PMA
25	AG75-1210B-1	Same as above except rh	FAA-PMA
26	AG75-1215	Rib assy-lower tip #1, lh & rh	FAA-PMA
28	AG75-1216	Rib assy-lower tip #2, lh & rh	FAA-PMA
29	AG75-1205	Rib assy-main lower wing, 2 required, lh or rh	FAA-PMA
30	AG75-1207	Rib assy-walkway #1, lh	FAA-PMA
30	AG75-1207-1	Rib assy-walkway #1, rh	FAA-PMA
31	AG75-1276	Dzus bracket assy, rear	FAA-PMA
32	AG75-1208	Rib assy-walkway #2, lh	FAA-PMA
32	AG75-1208-1	Rib assy-walkway #2, rh	FAA-PMA
	Attach hdw.	4 ea. AN520-10-16 screws, 4 ea. AN960-10 washers & 4 ea. AN365-1032A nuts	
33	AG75-1209	Rib assy-walkway #3, lh	FAA-PMA
33	AG75-1209-1	Rib assy-walkway #3, rh	FAA-PMA
	NOTE:	All ribs sitka spruce w/steel aircraft nails	
34	E75N1-1202	Wing walk, lower wing lh	N-P
34	E75N1-1202-1	Same as above except rh	N-P
34	E75N1-1202F	Wing walk, lower wing lh, pre-formed on lead. edge	N-P
34	E75N1-1202-1F	Same as above except rh	N-P
35	AG75-1207-27K	Lower root rib installation kit, lh or rh kit contains all rib formers, stringers, plate nut strip & plywood part bottom root	FAA-PMA
49	75-3862-17	Line assy-drain tee to strut point, static, lh	N-P
50	75-3862-18	Line assy-drain tee to strut point, pitot, lh	N-P
51	73-1227	Clip-airspeed tube attachment, lh, 5 required	N-S
	Attach hdw.	12 ea. AN545-4-3 wood screws	
52	AG75-1212	Bow-lower wing tip, laminated spruce, lh or rh	FAA-PMA
52	AG75-1257-16	Brace kit-lower wing bow, lh or rh, includes gussets	FAA-PMA
52	AG75-1257-2	Cover-plywood, lower wing tip lead. edge-top, lh or rh	FAA-PMA
52	AG75-1257-3	Same as above except bottom	FAA-PMA
53-58	DS-1246LE	Aluminum leading edge kit-lower wing lh or rh	FAA-PMA
59	75-1258-TE	Wood stringer-inboard aileron bay, pre-shaped, 10' long	N-P
60-61	75-1258-AK	Alum. former kit-aileron gap, lh or rh	N-P
62-63	75-1253	Alum. trailing edge-6061T-6 extrusion, 12' long	N-P
64	75-1263-2	Frame installation kit assy, aileron idler insp. door, lh	N-P
64	75-1263-3	Same as above except rh	N-P
65	75-1277	Plate assy-dzus spring support	N-P
	Attach hdw.	2 ea. AN550B-6 & 2 ea. AN545B4-6 wood screws	
66	75-1264	Frame installation kit assy-aileron bellcrank inspection door, lh	N-P
66	75-1264-1	Same as above except rh	N-P
67	75-1264-2	Bracket assy w/dzus spring-aileron bellcrank inspection door, lh or rh	N-P

LOWER WINGS & COMPONENT PARTS continued

Figure 5

Index

No.	Part No.	Description	Cond.
54	AG75-1117	Frame-inspection opening outer, 5 req. per wing	FAA-PMA
55	AG75-1118	Frame assy-inspection opening, 5 req. per wing	FAA-PMA
57	AG75-1119	Window-inspection, 5 required per wing	FAA-PMA
	Attach hdw.	20 ea. AN526-1032-8 screws	
68	AG75-1260	Door assy-aileron idler inspection, anodized	FAA-PMA
68	75-1260	Door assy-aileron idler inspection	Serv.
70	AG75-1260-3	Hinge half-idler door inspection	FAA-PMA
71	AG75-1260-4	Pin-idler door hinge	FAA-PMA
	Attach hdw.	3 ea. AN510-10-14 screw, 4 ea. AN960-10 washer & 4 ea. AN365-1032A nut	
72	AG75-1261	Door assy-aileron bellcrank inspection, anodized	FAA-PMA
72	75-1261	Door assy-aileron bellcrank inspection	Serv.
	AG75-1261-3	Hinge half-bellcrank inspection door	FAA-PMA
	AG75-1261-4	Pin-hinge bellcrank inspection door	FAA-PMA
	Attach hdw.	4 ea. AN510-10-14 screw, 4 ea. AN960-10 washer & 4 ea. AN365-1032A nut	
73	AG75-1262	Door assy-wing root inspection, anodized	FAA-PMA
	AG75-1262-3	Hinge half-wing root inspection door	FAA-PMA
	AG75-1262-4	Pin-hinge, wing root inspection door	FAA-PMA
	Attach hdw.	5 ea. AN526-1032-7 screw	
74	75-1270	Mat-wing walk, lh	N-P
74	75-1270-1	Mat-wing walk, rh	N-P
75	75-1255	Binder, alum-wing walk trailing edge	N-P
	Attach hdw.	18 ea. AN545-6-3 wood screw	
76	75-1256-1	Binder, alum-wing walk outboard edge	N-P
77	75-1256-2	Binder, alum-wing walk leading edge	N-P
	Attach hdw.	22 ea. 6-5/8 oval head wood screws and 1 ea. AN545-6-6 wood screws	
78	AG75-1272-1	Plate-lift wire tunnel, lh	FAA-PMA
78	AG75-1272-2	Plate-lift wire tunnel, rh	FAA-PMA
79	AG75-1272-3	Plate-lift wire tunnel, lh	FAA-PMA
79	AG75-1272-4	Plate-lift wire tunnel, rh	FAA-PMA
	Attach parts	2 ea. AN931-10-20 elastic grommet	
80	AG75-1273	Stud-cover plate, 3 required	FAA-PMA
	Attach hdw.	8 ea. AN960-10, 3 ea. AN380-2-2, 2 ea. AN526-1032-7 & 2 ea. AN365-1032A	
81	75-1158-2	Spoiler-leading edge lower wing	N-P
	E75N1-1220	Lower wing grade "A" cotton slip cover, lh or rh	
	AN231-2	Drain grommets, 43 required	
Lower Wing Hardware Kits			
	75-1200-BN	Aluminum & steel bolt-nut kit per wing	
	DS75-1200-SBW	Spar bushings & special washer kit, per wing	FAA-PMA
	AN8-26	Bolt-lower wing attach, 2 required	
	AN8-27	Bolt-lower wing attach, 2 required	
	AN960-816	Washer-lower wing attach, 4 required	
	AN310-8	Nut-lower wing attach, 4 required	
	AN380-3-4	Cotter pin-lower wing attach, 4 required	

LOWER WING COMPONENT PARTS

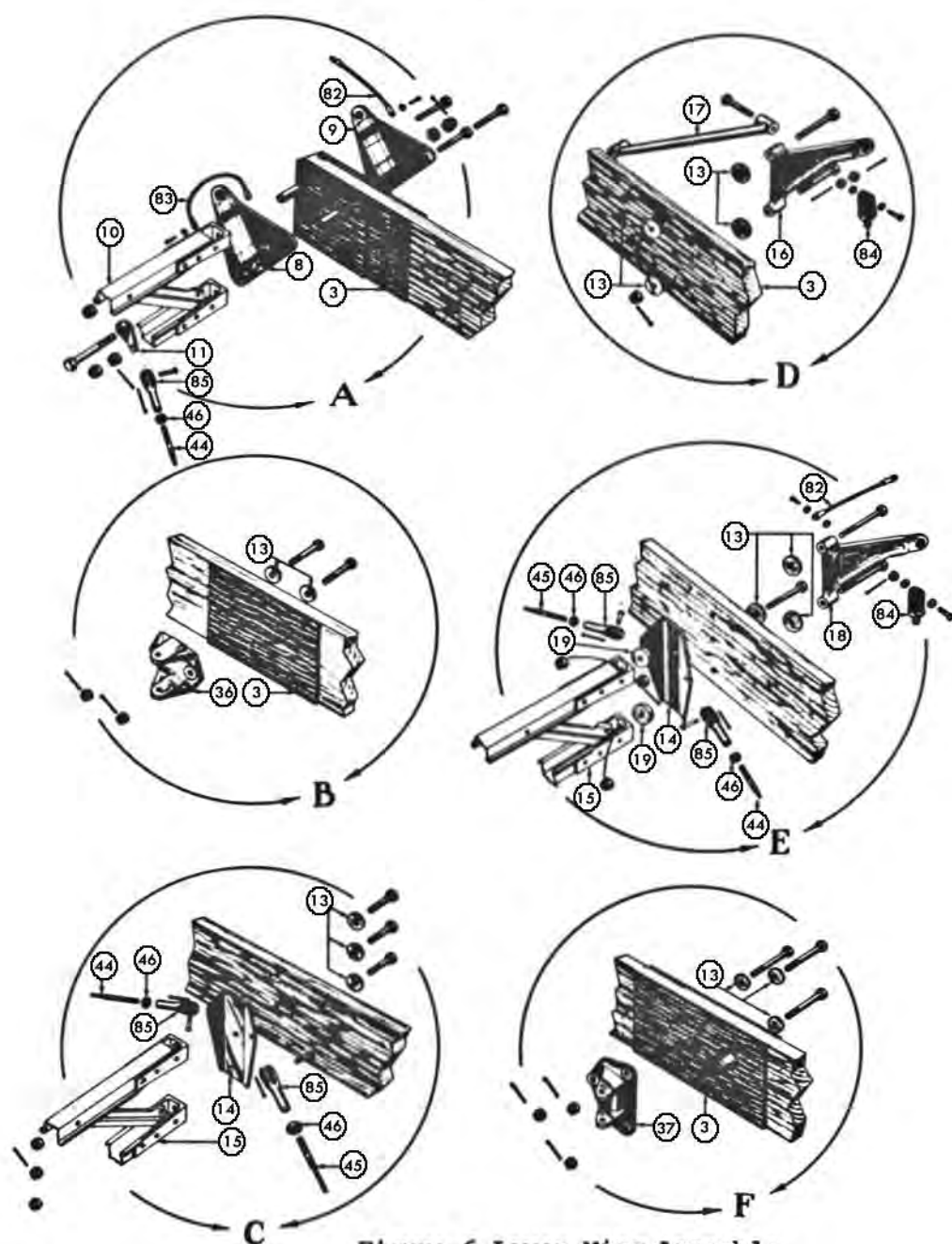


Figure 6 Lower Wing Assembly

Index	Part No.	Description	Cond.
8 & 9	AG75-1221, 1221-1	Plate assy set-lower rear root fitting	FAA-PMA
8 & 9	75-1221, 1221-1	Plate assy set-lower rear root fitting	Serv.
	AG-S-280-12S	Bushing-flanged, 75-1221, 1221-1 plates	FAA-PMA
	Attach hdw.	1 ea. AN5DD-23 alum bolt, 1 ea. AN310-D5 alum nut, 1 ea. AN380-2-2 cotter pin	
13	AG75-4513-7	Washer-special	FAA-PMA
	Attach hdw.	1 ea. AN310-D5 alum nut, 1 ea. AN380-2-2 cotter pin	
14	75-1227	Lug-lower drag wire, off set, 2 required	N-S
	Attach hdw.	1 ea. AN5DD-14 bolt	
13	AG75-4513-7	Washer-special, 18 required	FAA-PMA
	Attach hdw.	18 ea. AN365D-524 alum nut, 13 ea. AN380-2-2 cotter pin	

LOWER WING COMPONENT PARTS continued

Figure 6

Index

No.	Part No.	Description	Cond.
16	75-1239	Bracket-aileron root hinge	N-S
	K3L	Bearing, replacement for 75-1239 bracket	New
	Attach hdw.	2 ea. AN5DD-24 alum bolt, 2 ea. AN380-2-2 cotter pin	
17	75-1252	Brace assy-aileron root hinge, lh	N-S
17	75-1252-1	Brace assy-aileron root hinge, rh	N-S
	Attach hdw.	1 ea. AN4DD-13 alum bolt, 1 ea. AN310-D4 alum nut	
18	75-1240	Bracket-aileron hinge, 1 required	N-S
	K3L	Bearing-replacement 75-1240 bracket, 1 required	New
	Attach hdw.	2 ea. AN5DD-21A & 2 ea. AN5DD-27A alum bolt	
19	AG75-4513-24	Washer-special, 4 required	FAA-PMA
	Attach hdw.	4 ea. AN365D-524 alum nut	
36	75-1244	Bracket assy-aileron control idler	N-S
	S-276-14S	Bushing-flanged, replacement, 2 required	N-P
	Attach hdw.	2 ea. AN5DD-16 alum bolt	
37	75-1242	Bracket assy-aileron control bellcrank, lh	N-S
37	75-1242-1	Bracket assy-aileron control bellcrank, rh	N-S
	S-226-16S	Bushing-press, replacement, 2 required	
	Attach hdw.	3 ea. AN5DD-20 alum bolt	
11	75-1129-1	Lug-2100# drag wire single, 4 required	N-S
44	AN703AC-4200	Tie rod, s.steel-internal 2100#, 10-32, less ends	F/New
44	AN703A-4200	Tie rod, inner, 2100#, 10-32	Serv.
45	AN703AC-4325	Tie rod, s.steel-internal 2100#, 10-32, less ends	F/New
45	AN703A-4325	Tie rod, internal 2100#, 10-32	Serv.
85	AN665-21L	Clevis terminal, lh thread, 8 required	New
46	AN315-3L	Nut-clevis terminal, lh, 8 required	New
47	AN665-21R	Clevis terminal, rh thread, 8 required	New
48	AN315-3R	Nut-clevis terminal, rh, 8 required	New
	Attach hdw.	8 ea. AN393-11 clevis pin, 8 ea. AN380-2-2 cotter pin	
82	3AJ8-8	Jumper-bonding, 5 required	New
83	4AJ8-8	Jumper-bonding, 2 required	New
84	AG75-1233	Clevis-aileron hinger, 4 required	FAA-PMA
	Attach hdw.	4 ea. AN23-14 clevis bolt, 8 ea. AN960-10 washer, 4 ea. AN320-3 nut, 4 ea. AN380-2-2 cotter pin	

LOWER WING COMPONENT PARTS

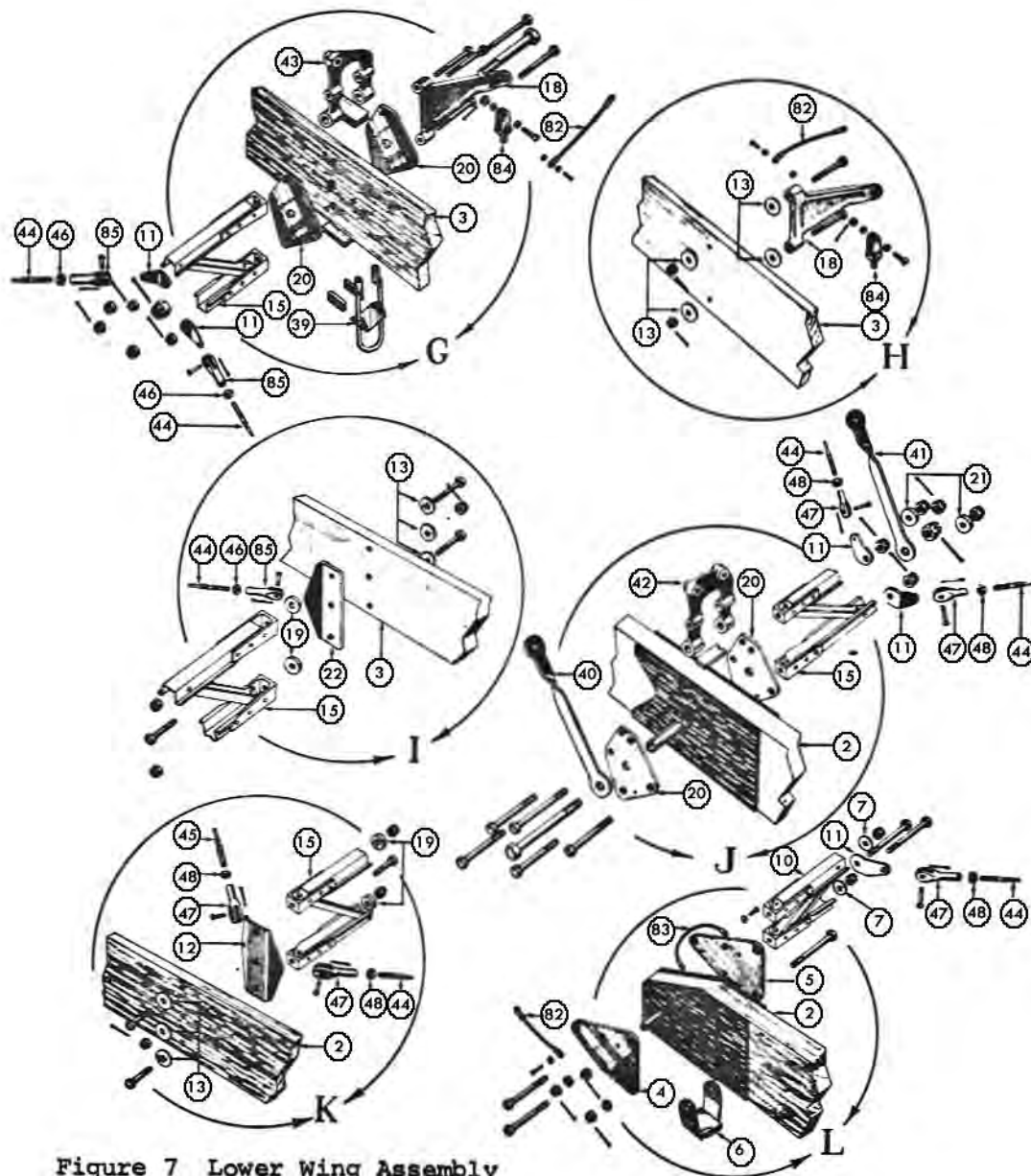


Figure 7 Lower Wing Assembly

Index	Part No.	Description	Cond.
4 & 5	AG75-1220-1220-1	Plate assy set-lower front root fitting	FAA-PMA
	AG-S-280-12S	Replacement flanged bushing, 2 required	FAA-PMA
	Attach hdw.	1 ea. AN6DD-24, 1 ea. AN6DD-25 alum bolt	
6	75-1226	Jack point assy-lower wing lh	N-S
6	75-1226-1	Jack point assy-lower wing rh	N-S
7	AG75-4513-22	Washer-special, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN960-616 washer, 2 ea. AN310-D6 alum nut, 2 ea. AN380-3-3 cotter pin	
11	75-1129-1	Lug-2100# drag wire single, 2 required	N-S
	Attach hdw.	1 ea. AN6DD-25, 1 ea. AN6DD-24 alum bolt, 2 ea. AN3100-6 alum nut, 2 ea. AN960-616 washer, 2 ea. AN380-3-3 cotter pin	

LOWER WING COMPONENT PARTS continued

Figure 7

Index

No.	Part No.	Description	Cond.
12	75-1228	Lug-wing drag wire double, 2100#	N-S
	Attach hdw.	1 ea. AN5DD-17 alum bolt	
18	75-1240	Bracket-aileron hinge, 2 required	N-S
	K-S4	Replacement bearing for 75-1240 bracket	New
	Attach hdw.	4 ea. AN5DD-25A alum bolt, 2 ea. AN5DD-24 alum bolt	
21	AG75-4513-23	Washer-special, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN365D-524 alum nut	
22	75-1128-1	Lug plate-wing drag wire, single, 2 required	N-S
	Attach hdw.	1 ea. AN5DD-16, 1 ea. AN5DD-14 alum bolt	
19	AG75-4513-24	Washer-special, 4 required	FAA-PMA
	Attach hdw.	4 ea. AN365D-524 alum nut	F/N
40	75-1274	Lug-lower front landing wire	N-S
41	75-1275	Lug-lower rear landing wire	N-S
42	AG75-1278	Fitting-lower front wing strut	FAA-PMA
	AGS-228-46S	Replacement bushing $\frac{1}{2}$ press - AG75-1278 fitting	FAA-PMA
	Attach hdw.	1 ea. AN8-43 bolt, 1 ea. AN4DD-43 alum bolt, 1 ea. AN310-8 nut, 1 ea. AN310-D4 alum nut, 1 ea. AN380-2-2 & 1 ea. AN380-3-3 cotter pin	F/N
43	75-1280	Fitting-lower rear wing strut	Recond.
	AGS-228-46S	Replacement bushing $\frac{1}{2}$ " press for 75-1280 fitting	FAA-PMA
	Attach hdw.	1 ea. AN8-32 bolt, 1 ea. AN4DD-30 alum bolt, 1 ea. AN310-8 nut, 1 ea. AN310-D4 alum nut, 1 ea. AN380-2-2, 1 ea. AN380-3-3 cotter pin	F/N F/N F/N
47	AN665-21R	Clevis terminal, rh thread, 8 required	F/N
	SK-211	Wrench-wing compression strut	N-S
	DS75-1200-BN	Aluminum & steel bolts & nuts kit per wing	F/N
	DS75-1200-SBW	Spar bushings & special washers kit, lh wing	FAA-PMA
	DS75-1200-SBW-1	Spar bushings & special washer kit, rh wing	FAA-PMA
39	75-1267	Loop assembly-mooring	N-S

WOOD KITS-LOWER WING

Rib Kits-Lower

DS75-120B LH or DS75-120B-1 RH

Each Kit Contains Following Ribs

9 ea. AG75-1206	Rib-Aileron Bay
1 ea. AG75-1207	Walking Rib #1, specify RH or LH
1 ea. AG75-1208	Walking Rib #2, specify RH or LH
1 ea. AG75-1209	Walking Rib #3, specify RH or LH
2 ea. AG75-1205	Regular Long Ribs
1 ea. AG75-1210B	Aileron Bay Boxed Root Rib, specify LH or RH
2 ea. AG75-1211	Rib-Adjacent to Wing Strut Point
1 ea. AG75-1215	Tip Rib #1
1 ea. AG75-1216	Tip Rib #2

*DS75 -120B LH or *DS75-120B-1 RH

*DS75 -120 LH or *DS75-120-1 RH
(with Aileron Bay Root Rib not boxed)

DS75-120MKB LH or DS75-120MKB-1 RH
Master Lower Wing "Do It Yourself" Kits

Kit Contains Following Parts-specify LH or RH

1 set DS75-120B	Rib Kit- pre-marked for ribs
1 ea. AG75-1203	Spar Assy-lower front, LH or RH
1 ea. AG75-1204	Spar Assy-lower rear, LH or RH
1 ea. 75N1-1202	Wing Walk-top, LH or RH
1 set AG75-1207-27K	Lower Root Rib Installation Kit
1 ea. 75N1-1225	Plywood Cover, Bottom Wing Walk, LH or RH
1 set DS-1246LE	Leading Edge Aluminum Kit
1 ea. 75-1253	Trailing Edge Aluminum Stringer
1 set AG75-1257-2 & -3	Plywood Cover, Lower Wing L.Edge Tip
1 ea. AG75-1257-5	Frame Kit, Hand Hole, Lower Wing Bow
1 ea. AG75-1257-16	Brace Kit (with gussets)-Lower Wing Bow
1 ea. 75-1258-TE	Wood Spruce Stringer, Inboard Aileron Bay (pre-shaped)
1 ea. 75-1263-2	Frame Installation Kit, LH- for Aileron Idle Inspection Door
1 ea. AG75-1212	Wing Bow
1 ea. 75-1263-3	or Same except RH (specify)
1 ea. 75-1264	or Frame Installation Kit, LH- for Aileron Bellcrank Inspection Door
1 ea. 75-1264-1	or Same except RH (specify)
1 ea. 111-STR	Wood Stringer-Leading Edge 12'
1 set Spruce	Wood for Wing Walks
1 set	Nails-Steel Aircraft
1 set 5/16 x 5/16	Spruce Capstrip for Filler Between Ribs
1 lb.	Weldwood Glue

*DS75-120MKB LH *DS75-120MKB-1 RH

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued

AG-S-280-12S
BUSHING - Flanged, 1/2"
For Wing Root Plates
FAA-PMA



AG75-1278
FITTING-Lower Front Wing Strut
Forged Aluminum Like Original
FAA-PMA

TIE RODS - INTERNAL, Lower Wing	
Factory New - Stainless Steel	
AN703AC-4200	Tie Rod - 2100 lb., 10-32-----
AN703AC-4325	Tie Rod - 2100 lb., 10-32-----
NOTE: All above tie rods priced less clevis ends	

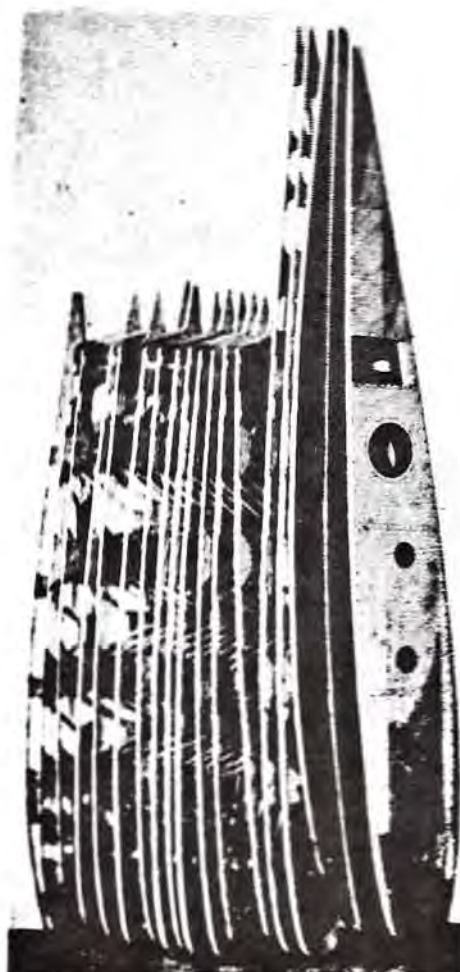
E75N1-1220 LH or RH
FABRIC SLIP COVER - Lower Wing
Grade "A" Cotton Fabric



AG75-1234
COMPRESSION STRUT - Light Long
FAA-PMA



AG75-1219
COMPRESSION STRUT - Root (Tapered)
FAA-PMA



LOWER WING ATTACHING BOLTS
2 ea. AN8-26 2 ea. AN8-27

DS 75-120 LH or DS75-120-1 RH
RIB KIT - Lower Wing

DS75-120B LH or DS75-120B-1 RH
RIB KIT - Lower Wing
with Boxed Aileron Root Rib-

NOTE: See page 23 for complete details

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued

ALL FAA-PMA APPROVED



AG75-1207-27K

LOWER ROOT RIB INSTALLATION KIT, LH or RH

Kit contains all rib formers, stringers, trailing edge wood
and plywood for bottom of root rib - all pre-cut



AG75-1207 LH or AG75-1207-1 RH
WALKING RIB #1, LH or RH
Assembled with aircraft nails



AG75-1208 LH or AG75-1208-1 RH
WALKING RIB #2, LH or RH
Assembled with aircraft nails



AG75-1209 LH or AG75-1209-1 RH
WALKING RIB #3, LH or RH
Assembled with aircraft nails

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued
ALL FAA-PMA APPROVED



AG75-1205
RIB-Lower Regular Long
Assembled with aircraft nails



AG75-1210B LH or AG75-1210B-1 RH
BOXED AILERON ROOT RIB- LH or RH
Assembled with aircraft nails



AG75-1206
RIB -Aileron Bay
Assembled with aircraft nails

AG75-1211 RIB
Adjacent to Wing Strut Fitting
2 required



AG75-1215
RIB-Lower Tip #1
Assembled with aircraft nails



AG75-1216
RIB-Lower Tip #2
Assembled with aircraft nails

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued
ALL FAA-PMA APPROVED



AG-120-LE
REPAIR RIB - Lower Leading Edge



AG-120-TE
REPAIR RIB-Lower Trailing Edge



AG-120-ATE
REPAIR RIB-Lower Aileron Bay
Trailing Edge



AG-120-TE-1
REPAIR RIB-Lower Tip #1
Trailing Edge



AG-1210B-TE
REPAIR RIB-Aileron Trailing Edge
Boxed Root Rib



AG-120-TE-2
REPAIR RIB-Lower Tip #2
Trailing Edge

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued



LOWER WING BOWS
Pre-formed - Laminated Sitka Spruce & Sanded
FAA-PMA

AG75-1212 LH

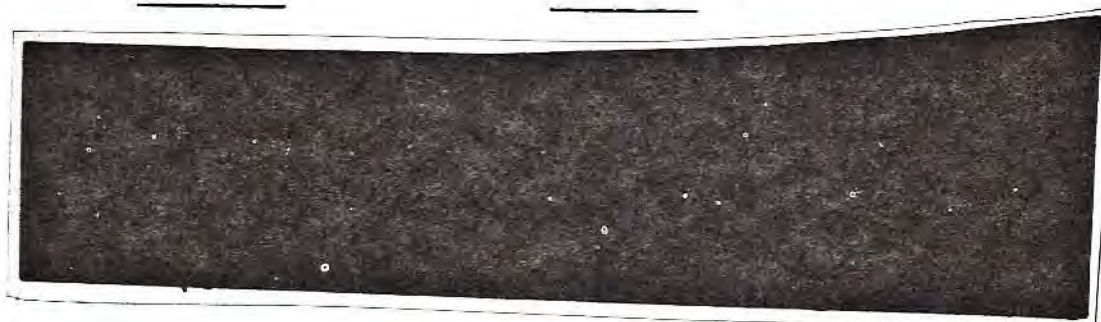
AG75-1212-1 RH

PLYWOOD REINFORCEMENT PLATE SET - Lower Spars
FAA-PMA - Aircraft Plywood
From Original Boeing Drawings



AG-134
PLATE SET
For Lower Front LH or RH
Wing Spar

AG-135
PLATE SET
For Lower Rear LH or RH
Wing Spar



E75N1-1202 LH or
E75N1-1202-1 RH
WING WALK-Plywood - Top
Standard Size
3/16" Mahogany Aircraft Plywood
Pre-cut to size
LH or RH

NOTE: E75N1-1202F LH & E75N1-1201F-1 RH
Same as above except
Pre-formed on Leading Edge

E75N1-1225 LH or
E75N1-1225-1 RH
PLYWOOD COVER - Bottom of Walking Ribs
to Trailing Edge - Standard Size
1/16" Mahogany Aircraft Plywood
Pre-cut to size
LH or RH

STEARMAN AIRFRAME PARTS
LOWER WING COMPONENT PARTS continued



AG75-1257-2 LH or RH
COVER-Plywood, Lower Wing Tip
Leading Edge - Top - Pre-cut
FAA-PMA

AG75-1257-3 LH or RH
COVER-Plywood, Lower Wing Tip
Leading Edge-Bottom - Pre-cut
FAA-PMA

AG75-1257-5
FRAME KIT-Handhole, Lower Wing Tip
1 Kit required per airplane
FAA-PMA

AG75-1257-16
BRACE KIT - Lower Wing Tip Bow
Left Hand or Right Hand
FAA-PMA

111STR
LEADING EDGE - WOOD STRINGER
Lower Wing -New Production
3/4" x 5/8" x 12' long

75-1263-2 LH or 75-1263-3 RH
FRAME INSTALLATION KIT ASSY
Aileron Idler Inspection Door
New Production

75-1258-TE
WOOD STRINGER - Inboard
Aileron Bay
Pre-shaped - 10' long

75-1264 LH or 75-1264-1 RH
FRAME INSTALLATION KIT ASSY - Aileron
Bellcrank Inspection Door
New Production

75-1253
TRAILING EDGE ALUMINUM for
Lower or Upper Wing - 10' long
Pre-formed - New Production
per foot or
12' length

DS-1246 LE
ALUMINUM LEADING EDGE - Lower Wing

CENTER SECTION & COMPONENT PARTS

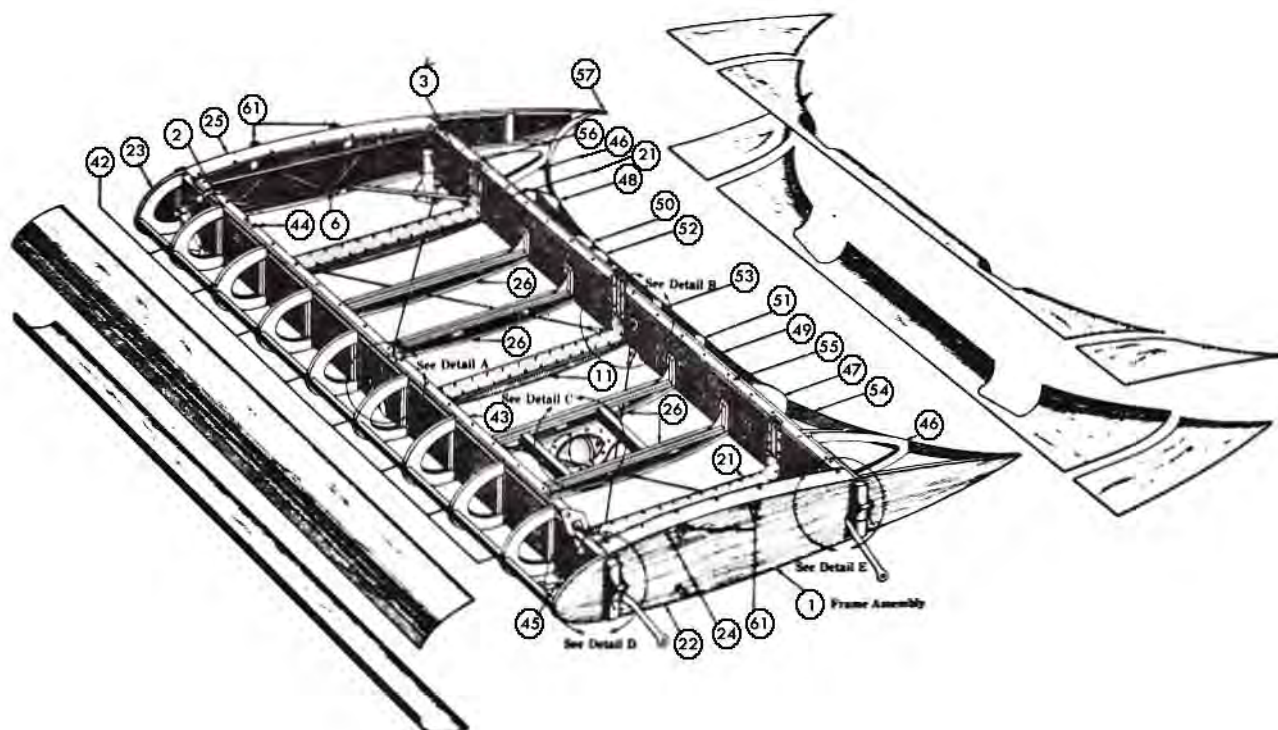


Figure 8 Center Section Assembly

Index			
No.	Part No.	Description	Cond.
1	75-1300	Center section assy-grade "A" covered, all new FAA-PMA wood, less fuel tank, exch. hdw.	
1	75-1301	Center section assy-uncovered, all new FAA-PMA wood, less fuel tank, exch. hdw.	
2	AG75-1303	Spar assy-c/section front, plated & drilled, sitka spruce MIL-6073	FAA-PMA
	Attach parts	4 ea. AG75-1141-2, 1 ea. AG75-1141-4, 2 ea. AG75-1141-7 2 ea. AG75-1141-10 & 2 ea. AG75-1141-11 spar bushings	
3	AG75-1304	Spar assy-c/section rear, plated & drilled, sitka spruce MIL-6073	FAA-PMA
	Attach parts	4 ea. AG75-1141-1, 1 ea. AG75-1141-5, 6 ea. AG75-1141-6, 2 ea. AG75-1141-9 & 2 ea. AG75-1141-12 spar bushings	
6	AG75-1134	Strut assy-heavy compression short, 1 required	FAA-PMA
6	75-1134	Strut assy-heavy compression short, 2 required	Recond.
11	75-1335	Support assy-c/section fuel tank center, 1 required	Recond.
21	75-1336	Support assy-c/section fuel tank end, 2 required	Recond.
	Attach hdw.	4 ea. AN5DD-16A & 4 ea. AN5DD-17A alum bolts	F/N

CENTER SECTION & COMPONENT PARTS continued

Figure 8

Index

No.	Part No.	Description	Cond.
22	AG75-1305	Rib assy-c/section root lh	FAA-PMA
23	AG75-1305-1	Rib assy-c/section root rh	FAA-PMA
22 & 24	AG75-1305B	Rib assy-c/section boxed root lh	FAA-PMA
23 & 25	AG75-1305B-1	Rib assy-c/section boxed root rh	FAA-PMA
26	AG75-1311	Rib-c/section center, 4 required	FAA-PMA
42	AG75-1306	Rib-c/section nose, 8 required	FAA-PMA
	E75N1-1301-12	Leading edge stringer, spruce	N-P
43	75-1351	Nut strip assy-front closure attachment lh	N-P
44	75-1351-1	Nut strip assy-front closure attachment rh	N-P
45	AG75-3131-2	Vent tube assy- 1 tube to 3 tube	FAA-PMA
	AGE75N1-1301-23	Leading edge, plywood-top	FAA-PMA
	AGE75N1-1301-24	Leading edge, plywood-bottom	FAA-PMA
46	AG75-1307	Rib-c/section trailing edge #1, 2 required	FAA-PMA
47	AG75-1308	Rib-c/section trailing edge #2, lh	FAA-PMA
48	AG75-1308-1	Rib-c/section trailing edge #2, rh	FAA-PMA
49	AG75-1352	Rib-inboard hand hole, lh	FAA-PMA
50	AG75-1352-1	Rib-inboard hand hole, rh	FAA-PMA
51	AG75-1309	Rib-c/section trailing edge #3, lh	FAA-PMA
52	AG75-1309-1	Rib-c/section trailing edge #3, rh	FAA-PMA
	AGE75N1-1301-18	Block-hand hole, 2 required	FAA-PMA
53	AG75-1310	Rib-c/section trailing edge #4, 2 required	FAA-PMA
54	AG75-1312	Bow-c/section trailing edge	FAA-PMA
46 to 53	AG75-1312-TEK	Rib kit-c/section trailing edge bow, less bow & cover	FAA-PMA
55	75-1331	Plate nut strip-rear closure attachment lh	N-P
56	75-1331-1	Plate nut strip-rear closure attachment rh	N-P
	AG75-1301-TEK	Plywood cover installation kit, c/section t. edge, pre-cut for trimming only	FAA-PMA
56	75-3131-3	Vent tube assy-2 tube to trailing edge	N-P
	Attach parts	4 ea. S-101-D4 tube clip, 4 ea. AN545-4-4 wood screw, 4 ea. AN960-4 washer	F/N
	E75N1-1302	Fabric slip cover-grade "A", c/section	F/N
61	75-1376	Anchor nut-special right angle, 4 required	F/N
	DS75-1301-MK	C/section wood kit, complete	FAA-PMA

CENTER SECTION COMPONENT PARTS

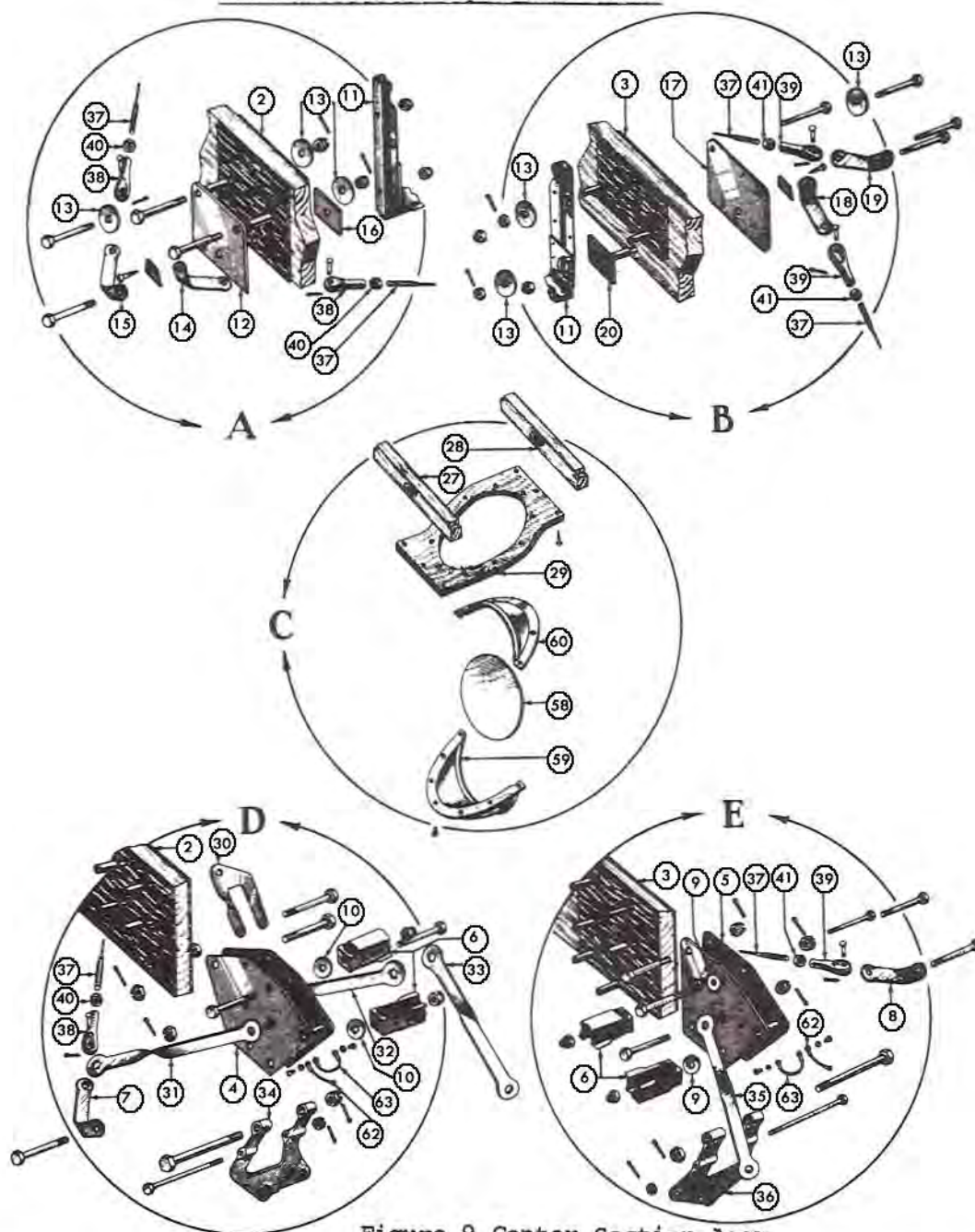


Figure 9 Center Section Assy

Index	No.	Part No.	Description	Cond.
	4	75-1340	Plate assy-c/section front root lh	Recond.
	4	75-1340-1	Plate assy-c/section front root rh	Recond.
	4	75-1319	Plate-c/section front root lh, 1 required	Recond.
	4	75-1319-1	Plate-c/section front root rh, 1 required	Recond.
	4	75-1320	Plate-c/section front root, 2 required	N-P
	4	75-4520-1	Bushing-double shoulder type, 2 required	N-P
		Attach hdw.	2 ea. AN5DD-21, 2 ea. AN310-D5, 2 ea. AN380-2-2, 2 ea. AN8DD-23, 2 ea. AN310-8D, 2 ea. AN380-3-3	F/N
	5	75-1339	Plate assy-c/section rear root lh	Recond.
	5	75-1339-1	Plate assy-c/section rear root rh	Recond.
	5	75-1321	Plate assy-c/section rear root, 2 required	N-P
	5	75-1322	Plate-c/section rear root lh, 1 required	Recond.
	5	75-1322-1	Plate-c/section rear root rh, 1 required	Recond.
	5	75-4520-2	Bushing-double shoulder type, 2 required	N-P

CENTER SECTION COMPONENT PARTS continued

Figure 9

Index

No.	Part No.	Description	Cond.
	Attach hdw.	6 ea. AN5DD-22, 6 ea. AN310-D5, 2 ea. AN4DD-21 2 ea. AN310-D4, 8 ea. AN380-2-2	F/N
7	75-1375	Lug-end front drag wire lh	N-S
7	75-1375-1	Lug-end front drag wire rh	N-S
8	75-1374	Lug-end rear drag wire lh	N-S
8	75-1374-1	Lug-end rear drag wire rh	N-S
	Attach hdw.	4 ea. AN5-26A, 4 ea. AN365-524A, 4 ea. AN5DD-24A, 4 ea. AN365-D524A	F/N
9	AG75-4513-24	Washer-special, 4 required	FAA-PMA
10	AG75-4513-25	Washer-special, 4 required	FAA-PMA
12	75-1323	Plate-c/section center front	N-S
	Attach hdw.	2 ea. AN5DD-20	
13	AG75-4513-7	Washer-special, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN310-D4, 2 ea. AN380-2-2	F/N
	75-1367	Pad-center section front drag wire lug	N-S
	Attach hdw.	2 ea. AN310-D5, 2 ea. AN380-2-2, 1 ea. AN545B4-6	F/N
14	75-1356	Lug-left front center drag wire	N-S
15	75-1357	Lug-right front center drag wire	N-S
	Attach hdw.	1 ea. AN5-23A	F/N
16	75-1348-1	Plate-center section inside rh	N-S
	Attach hdw.	2 ea. AN5DD-20A, 1 ea. AN365D-524	F/N
13	AG75-4513-7	Washer-special, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN365D-524	F/N
17	75-1329	Plate-center section center rear	N-S
	Attach hdw.	2 ea. AN5DD-20	F/N
13	AG75-4513-7	Washer-special, 2 required	FAA-PMA
	75-1368	Pad-c/section rear drag wire lug	N-S
	Attach hdw.	2 ea. AN310-D5, 2 ea. AN380-2-2, 1 ea. AN545B4-6	F/N
18	75-1359	Lug-left rear center drag wire	N-S
19	75-1360	Lug-right rear center drag wire	N-S
	Attach hdw.	1 ea. AN5-22A	F/N
20	75-1348	Plate-center section inside, lh	N-S
	Attach hdw.	1 ea. AN365-524	F/N
13	AG75-4513-7	Washer-special, 8 required	FAA-PMA
	Attach hdw.	8 ea. AN365D-524	F/N
27 to 29	AG75-1364	Frame assy-rear view mirror support	FAA-PMA
	Attach hdw.	6 ea. AN550-6-8	F/N
30	75-1347	Lug-hoisting sling, 2 required	N-S
	Attach hdw.	2 ea. AN5DD-24, 2 ea. AN310-D5, 2 ea. AN380-2-2	F/N
31	75-1315	Lug-center section roll wire front, 2 required	N-S
32	75-1316	Lug-center section roll wire rear, 2 required	N-S
33	75-1317	Lug-upper front landing wire	N-S
34	75-1370	Fitting-front center section strut, 2 required	Recond.
	S-230-54S	Replacement bushing 5/8" press-75-1370 fitting	N-P
	Attach hdw.	2 ea. AN8-45, 2 ea. AN310-8, 2 ea. AN380-3-3, 2 ea. AN4DD-44, 2 ea. AN310-D4, 2 ea. AN380-2-2	F/N
35	75-1318	Lug-upper rear landing wire, 2 required	N-S
36	75-1372	Fitting-rear center section strut, 2 required	Recond.
	AGS-228-38S	Replacement bushing 1/2" press-75-1318 lug	FAA-PMA
	Attach hdw.	2 ea. AN8-45, 2 ea. AN310-8, 2 ea. AN380-3-3, 2 ea. AN4DD-47, 2 ea. AN310-D4, 2 ea. AN380-2-2	F/N
37	AN704AC-4000	Tie rod-internal 3400#, 1/4-28, 4 required, less ends	F/N
37	AN704A-4000	Tie rod-internal 3400#, 1/4-28, 4 required	Serv.
38	AN665-34R	Clevis terminal, rh thread, 4 required	New

CENTER SECTION COMPONENT PARTS continued

Figure 9

Index

No.	Part No.	Description	Cond.
39	AN665-34L	Clevis terminal, lh thread, 4 required	New
40	AN315-4R	Nut-clevis terminal, rh thread, 4 required	New
41	AN315-4L	Nut-clevis terminal, lh thread, 4 required	New
	Attach hdw.	8 ea. AN395-15, 8 ea. AN380-2-2	F/N
58	75-1325	Mirror-rear view	New
59	75-1365	Holder-rear view mirror, front	N-P
60	75-1366	Holder-rear view mirror, rear	N-P
	Attach hdw.	10 ea. AN526-1032-8	F/N
62	2AJ-8-8	Jumper-bonding, 4 required	New
63	2AJ-8-8	Jumper-bonding, 4 required	New
	DS75-1300-BN	Aluminum & steel bolt & nut kit	F/N
	DS75-1300-SBW	Spar bushings & special washer kit	FAA-PMA

CENTER SECTION WOOD KITS, COMPLETE

Kit No. DS75-1301-MK

Kit contains following FAA-PMA wood parts

1 ea.	75-1301-12	Leading edge stringer, sitka spruce
1 set	AG75-1301-18	Hand hole blocks
1 ea.	AG75-1301-23	Leading edge plywood-top half
1 ea.	AG75-1301-24	Leading edge plywood-bottom half
1 set	AG75-1301-TEK	Plywood cover installation kit-rear spar to trailing edge bow, all pre-cut
1 ea.	AG75-1303	Spar assy-front
1 ea.	AG75-1304	Spar assy-rear
1 ea.	AG75-1305	Root rib, lh, unboxed
1 ea.	AG75-1305-1	Root rib, rh, unboxed
8 ea.	AG75-1306	Nose ribs
4 ea.	AG75-1311	Rib-center section center
1 ea.	AG75-1312	Trailing edge bow
1 set	AG75-1312TEK	Rib kit-trailing edge bow to rear spar
1 set	AG75-1305-10B	Brace kit-center section root ribs
1 ea.	75-1331	Plate nut strip assy-rear closure attach lh
1 ea.	75-1331-1	Plate nut strip assy-rear closure attach rh
1 ea.	75-1351	Plate nut strip assy-front closure attach lh
1 ea.	75-1351-1	Plate nut strip assy-front closure attach rh
1 ea.	AG75-1364	Wood frame assy-complete, rear view mirror
1 set	Steel	Aircraft nails
1 lb.		Weldwood glue

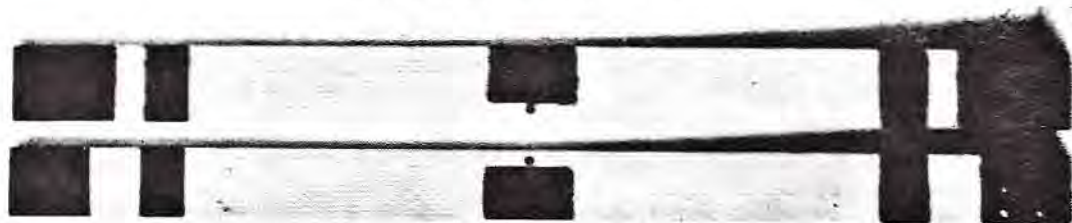
DS75-1301-MK

DS75-1301-MKB
(w/boxed c/s root ribs,
w/plate nut strips attached)

STEARMAN AIRFRAME PARTS
WOOD CENTER SECTION PARTS & HARDWARE

ALL FAA-PMA APPROVED

CENTER SECTION SPARS - Drilled & Plated
Sitka Spruce MIL-6073 Kiln Dry
These spars are manufactured in our own shop
All holes drilled with special jigs
Satisfaction Guaranteed



AG75-1303
SPAR ASSY - Center Section Front

AG75-1304
SPAR ASSY - Center Section Rear



AG-130
PLYWOOD REINFORCEMENT PLATE SET
Rear Center Section Spar



AG-131
PLYWOOD REINFORCEMENT PLATE SET
Front Center Section Spar

AG75-1305B LH or AG75-1305B-1 RH
BOXED ROOT RIB - Center Section
Assembled with aircraft nails
Left Hand or Right Hand



AG75-1305 LH or AG75-1305-1 RH
ROOT RIB - Not Boxed, Center Section
Assembled with aircraft nails
Left Hand or Right Hand

STEARMAN AIRFRAME PARTS
WOOD CENTER SECTION PARTS & HARDWARE continued
ALL FAA-PMA APPROVED



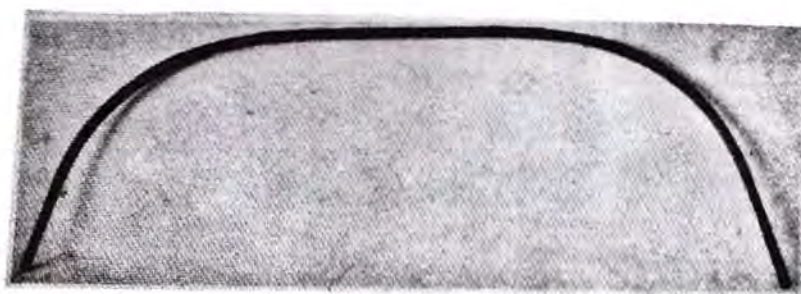
AG75-1306
RIB - Center Section
Leading Edge - Inner



AG75-1305LE LH or AG75-1305LE-1 RH
REPAIR RIB - Root Nose
Left Hand or Right Hand



AG75-1311
WOOD RIB - Fuel Tank Support



AG75-1312
CENTER SECTION BOW - Trailing Edge
Laminated Sitka Spruce - Pre-formed

STEARMAN AIRFRAME PARTS
WOOD CENTER SECTION PARTS & HARDWARE continued
ALL FAA-PMA APPROVED



AG75-1312-TEK
RIB KIT - Center Section Trailing Edge Bow
All parts pre-cut and finished
Everything to install bow to center section
Less plywood cover

AG75-1301-TEK
PLYWOOD COVER INSTALLATION KIT
All the 1/16" mahogany plywood pre-cut for
trimming only to cover top and bottom of
center section trailing edge.

Complete Kit as shown



AG75-1134
COMPRESSION MEMBER STRUT
FAA-PMA

AG75-1305-10B
BRACE KIT - Center Section Root Rib
Pre-cut 1/2" x 1/2" Spruce Cap Strip
1 set required per center section

STEARMAN AIRFRAME PARTS
WOOD CENTER SECTION PARTS & HARDWARE continued

TIE ROD - Center Section
Factory New - Stainless Steel
AN704AC-4000 Tie Rod, 3400 lb. 1/4-28
Price less Terminal Ends

E75N1-1301-12
LEADING EDGE STRINGER
For Center Section



AGE75N1-1301-23
PLYWOOD LEADING EDGE - Top Half
Center Section - 1/16" mahogany plywood
Pre-cut to size
FAA-PMA

AGE75N1-1301-24
PLYWOOD LEADING EDGE -Bottom Half
Center Section-1/16" mahogany plywood
Pre-cut to size
FAA-PMA



AG75-1364
WOOD FRAME INSTALLATION KIT
Center Section Rear View Mirror Support
FAA-PMA

AILERONS & COMPONENT PARTS

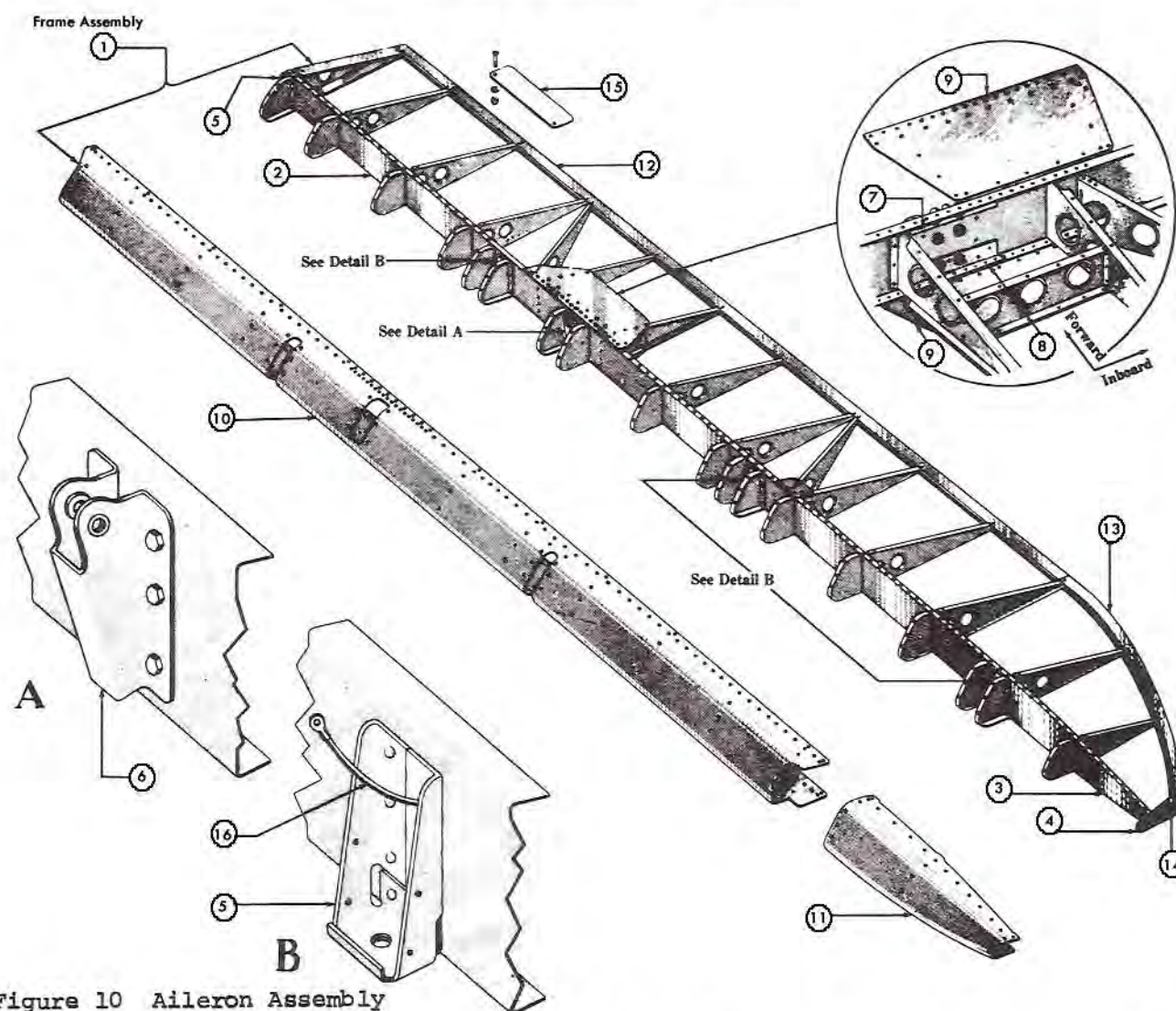


Figure 10 Aileron Assembly

No.	Part No.	Description	Cond.
1	75-1400	Aileron assy, lh covered-grade "A" cotton	
1	75-1400-1	Aileron assy, rh covered-grade "A" cotton	
1	75-1401	Aileron assy-uncovered lh	
1	75-1401-1	Aileron assy-uncovered rh	
2	AG75-1403	Spar-aileron lh	FAA-PMA
2	AG75-1403-1	Spar-aileron rh	FAA-PMA
	75-1423	Rib-aileron root, lh aileron, 1 required	N-P
	75-1423-1	Rib-aileron root, rh aileron, 1 required	N-P
	75-1408	Rib-aileron #4 lh aileron, 9 required	N-P
	75-1408	Rib-aileron #4 rh aileron, 1 required	N-P
	75-1408-1	Rib-aileron #4 lh aileron, 1 required	N-P
	75-1408-1	Rib-aileron #4 rh aileron, 9 required	N-P
	75-1407	Rib-aileron #3 lh aileron, 1 required	N-P
	75-1407-1	Rib-aileron #3 rh aileron, 1 required	N-P
	75-1414	Rib-diagonal lh aileron, 2 required	N-P
	75-1414	Rib-diagonal rh aileron, 2 required	N-P
	75-1420	Gusset-aileron reinforcing, 2 required	N-P
3	75-1404	Spar-aileron tip lh	N-S
3	75-1404-1	Spar-aileron tip rh	N-S

AILERONS & COMPONENT PARTS continued

Figure 10

Index

No.	Part No.	Description	Cond.
	75-1406	Rib-aileron #2, lh aileron, 1 required	N-P
	75-1406-1	Rib-aileron #2, rh aileron, 1 required	N-P
4	75-1405	Rib-aileron #1 lh aileron, 1 required	N-P
4	75-1405-1	Rib-aileron #1 rh aileron, 1 required	N-P
	75-1410	Rib-aileron nose #4 lh, 12 required	N-P
	75-1410	Rib-aileron nose #4 rh, 5 required	N-P
	75-1410-1	Rib-aileron nose #4 lh, 5 required	N-P
	75-1410-1	Rib-aileron nose #4 rh, 12 required	N-P
	75-1411	Rib-aileron nose #2 lh, 1 required	N-P
	75-1411-1	Rib-aileron nose #2 rh, 1 required	N-P
5	75-1419	Support assy-aileron hinge	N-S
	75-1425	Bushing-special flanged, 75-1419 support	N-P
6	AG75-1417	Horn assy-aileron control	FAA-PMA
	AGS-276-6S	Replacement bushing, 75-1417 horn	
	Attach. hdw.	6 ea. AN4DD-5A, 8 ea. AN960D-416, 6 ea. AN365D-428	F/N
7	75-1409-1	Angle-aileron spar reinforcement	N-P
8	75-1409-2	Angle-aileron spar reinforcement	N-P
	75-1422	Bulkhead-aileron	N-P
10	AG75-1413	Cover-aileron leading edge lh	FAA-PMA
10	AG75-1413-1	Cover-aileron leading edge, rh	FAA-PMA
11	AG75-1421	Cover-aileron leading edge tip lh	FAA-PMA
11	AG75-1421	Cover-aileron leading edge tip rh	FAA-PMA
12	75-1415	Trailing edge-aileron, 6061-T6 extrusion	N-P
13	AG75-1416	Trailing edge-aileron tip	FAA-PMA
14	A75N1-1401	Reinforcement-aileron tip rib	N-P
14	A75N1-1401-1	Reinforcement-aileron tip rib	N-P
15	AG75-2007	Tab-rudder trim lh	FAA-PMA
	Attach. hdw.	2 ea. AN510-10-14, 4 ea. AN960-10, 2 ea. AN365-1032	
16	3AJ8-8	Jumper-bonding, 3 required	F/N
	AN231-2	Drain grommet, 30 required	F/N
	75-1402-SR	Splice kit-aileron spar	F/N
9	75-1412	Plate-aileron spar reinforcing	N-P

HORIZONTAL STABILIZER & COMPONENT PARTS

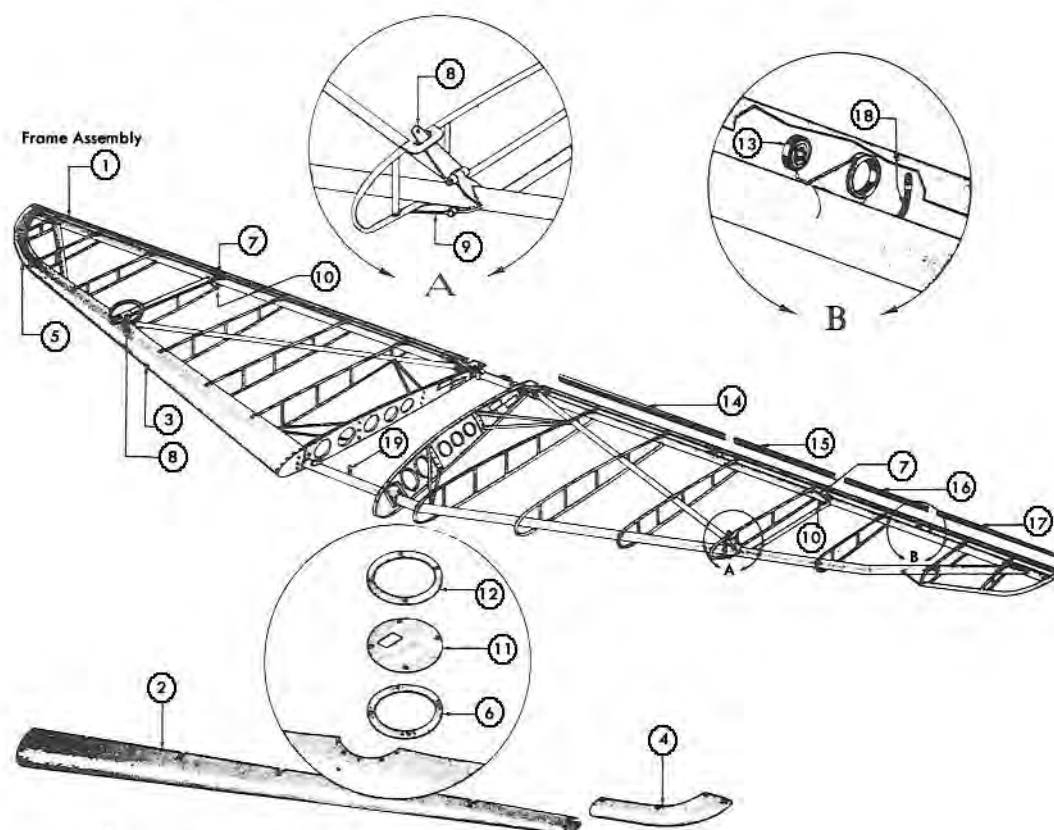


Figure 11 Stabilizer Assembly

Index No.	Part No.	Description	Cond.
1	75-1700	Stabilizer assy-covered grade "A" fabric	
1	75-1751	Stabilizer assy-uncovered	
	75-1704-4	Rib-stabilizer root lh	N-P
	75-1704-3	Rib-stabilizer root rh	N-P
	75-1704-2	Rib-stabilizer root nose, lh	N-P
	75-1704-1	Rib-stabilizer root nose, rh	N-P
2	75-1705-4	Cover-stabilizer leading edge lh	N-P
3	75-1705-5	Cover-stabilizer leading edge rh	N-P
4	75-1705-2	Cover-stabilizer leading edge left tip	N-P
5	75-1705-3	Cover-stabilizer leading edge right tip	N-P
	Attach hdw.	33 ea. AN530-4-3 & 3 ea. AN530-4-4	
6	AG75-1118	Frame assy-inspection opening	FAA-PMA
7	75-1607	Shackle-2100# brace-upper rear, 2 required	N-S
	Attach hdw.	2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
8	75-1737	Shackle-stabilizer, front upper, 2 required	N-S
	Attach hdw.	2 ea. AN3-20, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
9	75-1739	Shackle-stabilizer, front lower, 2 required	N-S
	Attach hdw.	2 ea. AN4-24, 2 ea. AN310-4, 2 ea. AN380-2-2	
10	75-1741	Shackle-stabilizer rear lower, 2 required	N-S
	Attach hdw.	2 ea. AN4-16, 2 ea. AN310-4, 2 ea. AN380-2-2	
11	75-1727	Window-brace wire inspection, 2 required	FAA-PMA
12	AG75-1117	Frame-inspection opening outer, 2 required	FAA-PMA
	Attach hdw.	8 ea. AN526-1032-7	F/N
13	K3L	Bearing-stabilizer hinge, 4 required	New
14	AG75-1707-1	Strip-stabilizer fabric, 2 required	FAA-PMA

HORIZONTAL STABILIZER & COMPONENT PARTS continued

Figure 11

Index

No.	Part No.	Description	Cond.
15	AG75-1707-2	Strip-stabilizer fabric, 2 required	FAA-PMA
16	AG75-1707-3	Strip-stabilizer fabric, 2 required	FAA-PMA
17	AG75-1707-4	Strip-stabilizer fabric, 2 required	FAA-PMA
	Attach hdw.	38 ea. AN530-6-6 sheet metal screw	
18	2AJ8-8	Jumper-bonding, 4 required	New
	AN231-2	Drain grommet, 38 required	F/N
19	3AJ8-8	Jumper-bonding, 1 required	F/N
	AN6-33	Bolt-front stabilizer attachment, 2 required	F/N
	AN6-40	Bolt-rear stabilizer attachment, 2 required	F/N
	AN960-616	Washer, 20 required	F/N
	AN310-6	Nut, 4 required	F/N
	AN380-3-3	Cotter pin, 4 required	R/N

ELEVATOR & COMPONENT PARTS

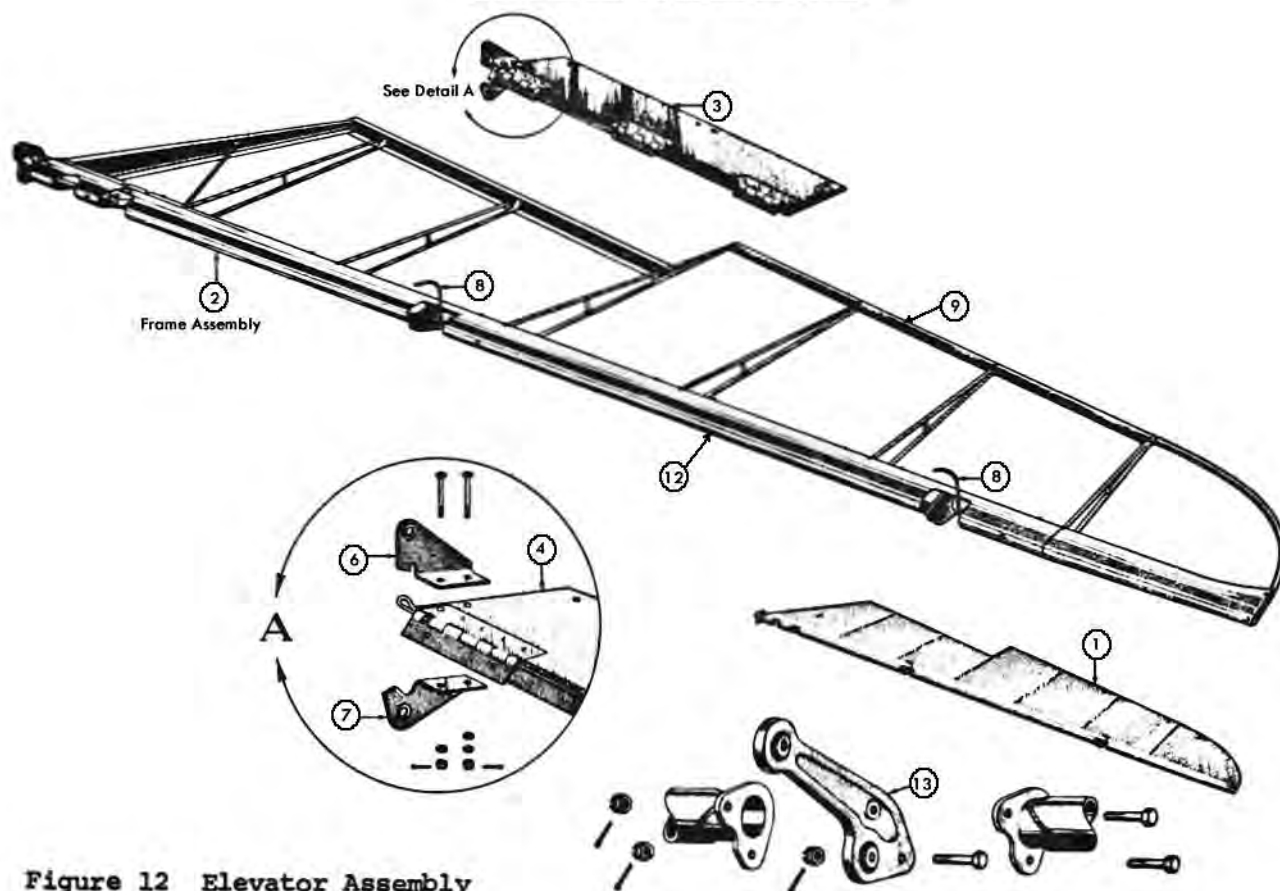


Figure 12 Elevator Assembly

Index

No.	Part No.	Description	Cond.
1	75-1800	Elevator assy, lh covered grade "A", less tabs	
1	75-1800-1	Elevator assy, rh covered grade "A", less tabs	
2	75-1801	Elevator assy, lh uncovered, less tabs	Recond.
2	75-1801-1	Elevator assy, rh uncovered, less tabs	Recond.

ELEVATOR & COMPONENT PARTS continued

Figure 12

Index

No.	Part No.	Description	Cond.
3	75-1813	Tab assy-elevator wood, lh	Recond.
3	75-1813-1	Tab assy-elevator wood, rh	Recond.
3	AGA75N1-1813-2	Tab assy-elevator, metal lh	FAA-PMA
3	AGA75N1-1813-3	Tab assy-elevator, metal rh	FAA-PMA
11	75-1816	Spar-elevator trim tab attach lh	N-P
11	75-1816-1	Spar-elevator trim tab attach rh	N-P
6	AG75-1814-1	Horn assy-elevator trim tab control, upper lh	FAA-PMA
6	AG75-1814-2	Horn assy-elevator trim tab control, upper rh	FAA-PMA
7	AG75-1814-3	Horn assy-elevator trim tab control, lower lh	FAA-PMA
7	AG75-1814-4	Horn assy-elevator trim tab control, lower rh	FAA-PMA
	AGS-225-8S	Replacement bushing for AG75-1814-5, -6, -7 & -8 horns	FAA-PMA
	Attach hdw.	2 ea. AN3-11, 2 ea. AN310-3, 3 ea. AN960-10, & 2 ea. AN380-2-2 per trim tab	F/N
8	2AJ8-8	Jumper-bonding, 2 required	F/N
9	AG75-1818	Trailing edge aluminum-elevator lh & rh	FAA-PMA
10	75-1804	Root rib-elevator lh	N-P
10	75-1804-1	Root rib-elevator rh	N-P
12	75-1805	Cover-leading edge, elevator lh	N-P
12	75-1805-1	Cover-leading edge, elevator rh	N-P
	Attach hdw.	24 ea. AN530-4-3 & 2 ea. AN530-4-4	F/N
13	AG75-1825	Horn assy-elevator control	FAA-PMA
	K4	Replacement bearing for AG75-1825 horn	New
	Attach hdw.	2 ea. AN4-10, 3 ea. AN310-4, 3 ea. AN380-2-2 & 1 ea. AN4-11	F/N
	AN231-2	Drain grommet, 12 required	New
	AN3-7	Bolt-elevator to stabilizer, 4 required per elevator	New
	AG75-4513-19	Washer-elevator to stabilizer, 8 required per elev.	FAA-PMA
	AN310-3	Nut-elevator to stabilizer, 4 required per elevator	New
	AN380-2-2	Cotter pin-elevator to stabilizer, 4 required per elev.	New
	AG75-1815-1	Hinge-tab attaching	FAA-PMA
	AG75-1815-2	Hinge-tab attaching	FAA-PMA
	AG75-1815-3	Hinge-tab attaching	FAA-PMA
	AG75-1815-4	Hinge-tab attaching	FAA-PMA
	AG75-1815-5	Hinge-tab attaching	FAA-PMA
	AG75-1815-6	Hinge-tab attaching	FAA-PMA
	AG75-1815-7	Hinge-tab attaching	FAA-PMA
	AG75-1815-8	Hinge-tab attaching	FAA-PMA
	AG75-1815-9	Hinge-tab attaching	FAA-PMA
	AG75-1815-10	Hinge-tab attaching	FAA-PMA

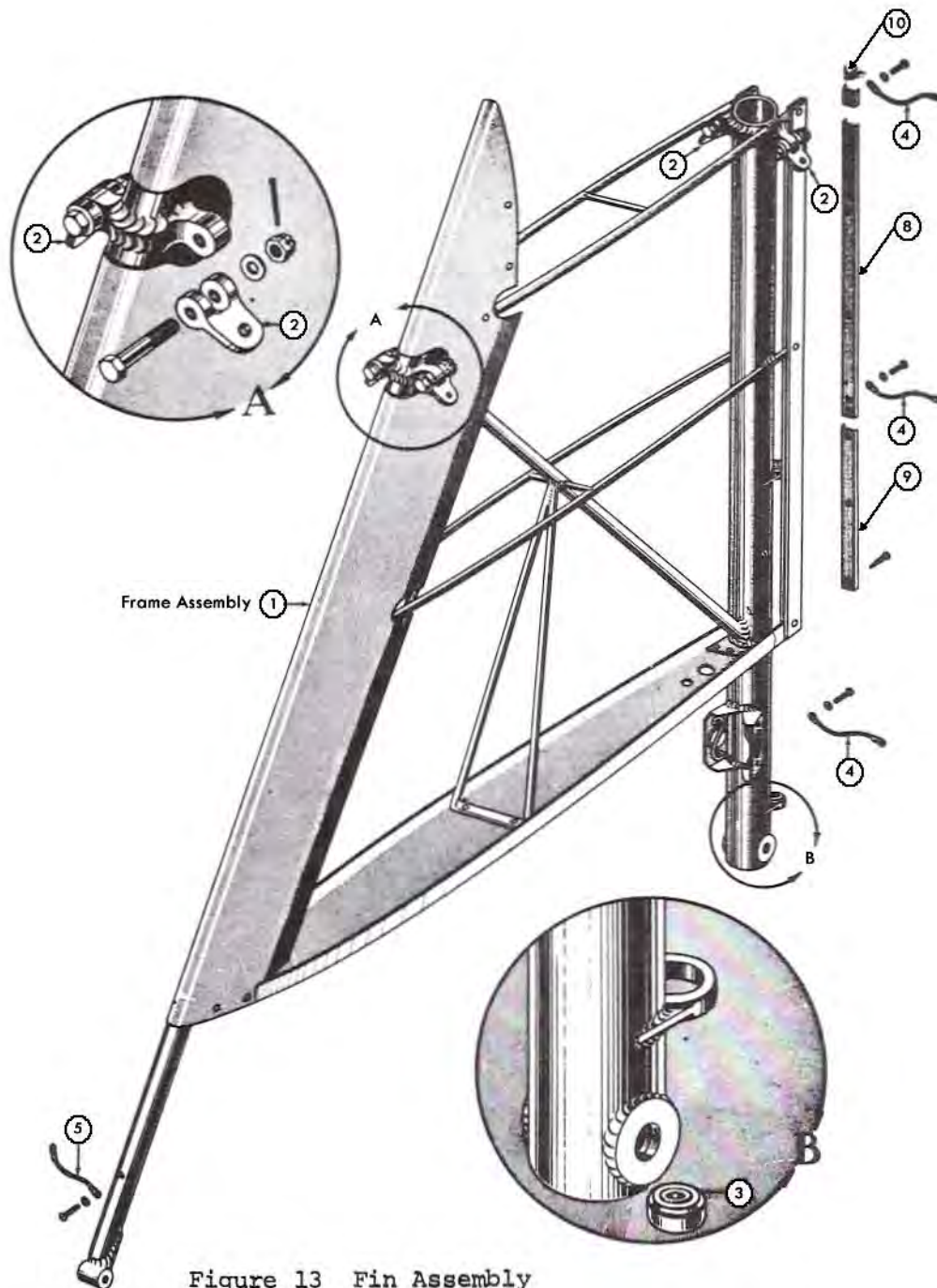


Figure 13 Fin Assembly

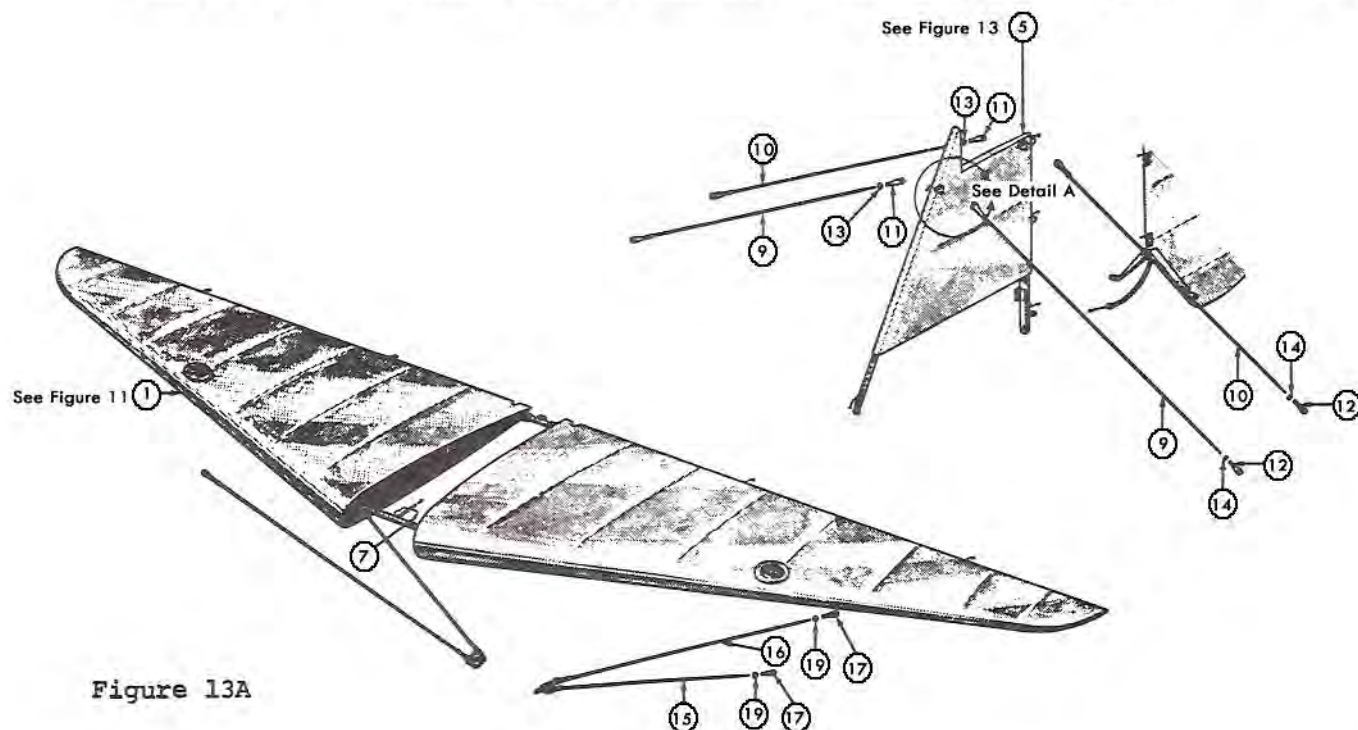
Index		Description	Cond.
No.	Part No.		
1	AG75-1900	Vertical fin, covered grade "A"	FAA-PMA
1	AG75-1901	Vertical fin, uncovered	FAA-PMA
2	75-1607	Shackle-2100#, upper brace wire, 4 required	N-S
	Attach hdw.	4 ea. AN3-11, 4 ea. AN310-3, 4 ea. AN960-10, & 4 ea. AN380-2-2	
3	K-3L	Replacement bearing-vertical fin hinge, 3 required	F/N
4	2AJ8-8	Jumper-bonding, 3 required	F/N
5	3AJ8-8	Jumper-bonding, 1 required	F/N
6	AG75-1905	Fairing assy-leading edge	FAA-PMA
7	AG75-1904	Root rib-vertical fin	FAA-PMA
8	AG75-1707-6	Strip-tail surface fabric	FAA-PMA
9	AG75-1707-7	Strip-tail surface fabric	FAA-PMA
10	AG75-1707-5	Strip-tail surface fabric	FAA-PMA

VERTICAL FIN & COMPONENT PARTS & TAIL BRACE WIRES continued

Figure 13 & 13A

Index

No.	Part No.	Description	Cond.
	AN4-15	Bolt-vertical fin attach front	F/N
	AN4-21	Bolt-vertical fin attach rear	F/N
	Attach hdw.	2 ea. AN310-4, 2 ea. AN960-416, 2 ea. AN380-2-2	
9	AN673AC-4425	Tie rod-streamline, upper frt, 2 required, less ends	F/N
9	AN673AC-4425	Tie rod-streamline, upper frt, 2 required, less ends	Serv.
9	AN674AC-4425	Tie rod-streamline, upper frt, special 450 hp aerobatics	F/N
10	AN673AC-4675	Tie rod-streamline, upper rear, 2 required, less ends	F/N
10	AN673AC-4675	Tie rod-streamline, upper rear, 2 required, less ends	Serv.
10	AN673AC-4675	Tie rod-streamline upper rear, special 450 hp aerobatics	F/N
11	AN665-21L	Clevis terminal, AN673AC-4425 & 4675, 4 required	F/N
11	AN665-21R	Clevis terminal, AN673AC-4425 & 4675, 4 required	F/N
13	AN315-3L	Nut-clevis terminal, AN673AC-4425, 4675, 4 required	F/N
13	AN315-3R	Nut-clevis terminal, AN673AC-4425, 4675, 4 required	F/N
	AN393-11	Clevis pin-AN673AC-4425 & 4675, 8 required	F/N
	AN380-2-2	Cotter pin-clevis pin, 8 required	F/N
15	AN674AC-3900	Tie rod-streamline, lower frt, 2 required, less ends	F/N
15	AN674AC-3900	Tie rod-streamline, lower frt, 2 required, less ends	Serv.
16	AN674AC-3850	Tie rod-streamline, lower rear, 2 required, less ends	F/N
16	AN674AC-3850	Tie rod-streamline, lower rear, 2 required, less ends	Serv.
17	AN665-34L	Clevis terminal, AN674AC-3850, 3900, 4 required	F/N
17	AN665-34R	Clevis terminal, AN674AC-3850, 3900, 4 required	F/N
19	AN315-4L	Nut-clevis terminal, AN674AC-3900 & 3850, 4 required	F/N
19	AN315-4R	Nut-clevis terminal, AN674AC-3900 & 3850, 4 required	F/N
	AN24-12	Clevis bolt, AN674AC-3900 & 3850 attach, 8 required	F/N
	AN320-4	Nut-shear, AN674AC-3900 & 3850 attach, 8 required	F/N
	AN960-10	Washer, AN674AC-3900 & 3850 attach, 8 required	F/N
	AN380-2-2	Cotter pin, AN674AC-3900 & 3850 attach, 8 required	F/N



RUDDER ASSEMBLY & COMPONENT PARTS

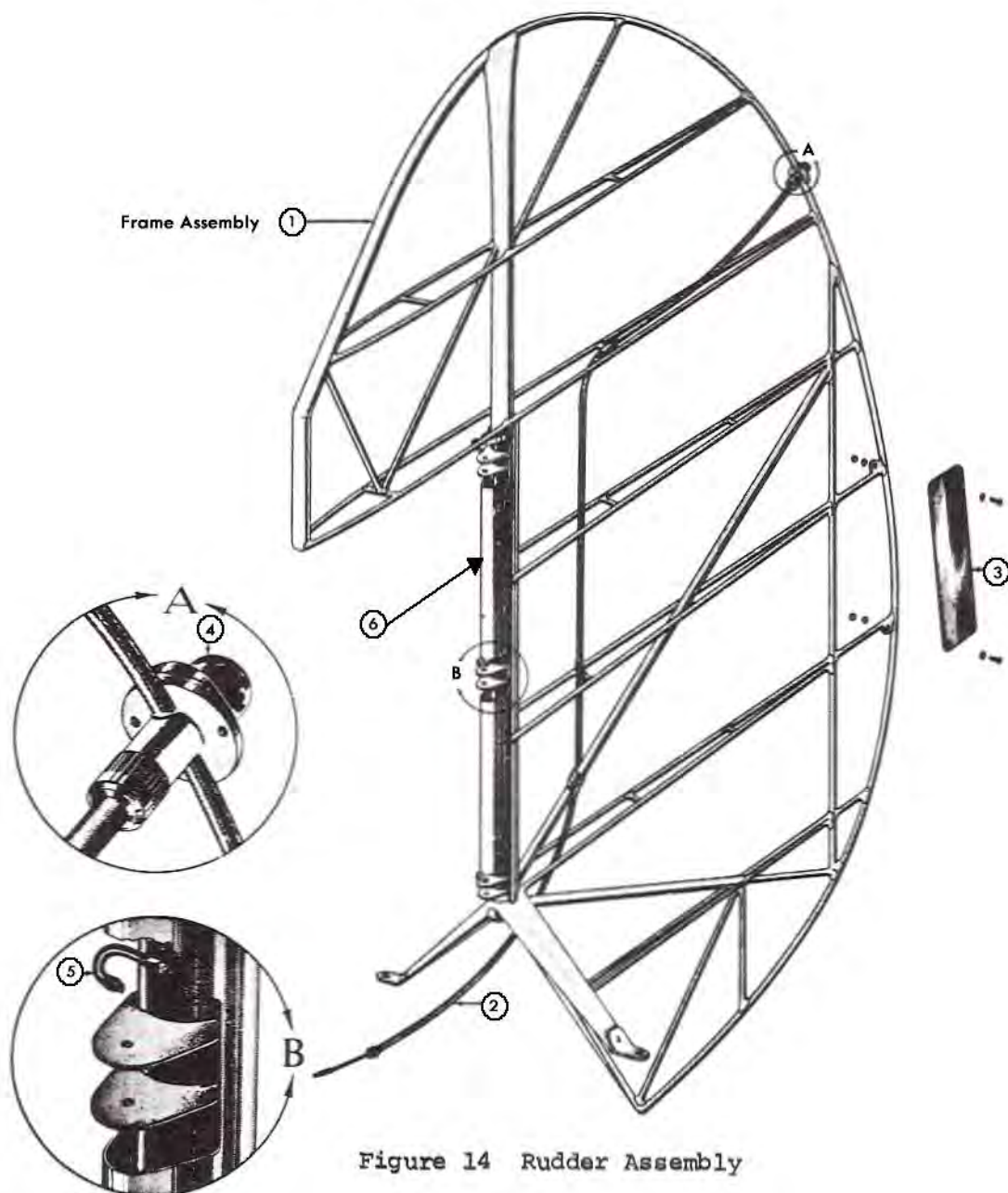


Figure 14 Rudder Assembly

Index		Description	Cond.
No.	Part No.		
1	AG75-2000	Rudder assy-covered grade "A"	FAA-PMA
1	AG75-2002	Rudder assy-uncovered	FAA-PMA
3	AG75-2007	Tab-rudder trim	FAA-PMA
4	AN3092-2	Light assy-tail cone positioning	N-S
4	A2064-12	Light assy-tail cone positioning, Grimes	F/N
5	2AJ8-8	Jumper-bonding	F/N
6	AG75-2004	Cover-rudder leading edge	FAA-PMA
7	AG75-2006	Rudder post, complete	FAA-PMA
	AN3-7	Bolt-rudder attaching, 3 required	F/N
	AN310-3	Nut-rudder attaching, 3 required	F/N
	AN380-2-2	Cotter pin-rudder attaching, 3 required	F/N

FUSELAGE FRAME ASSEMBLY & COMPONENT PARTS

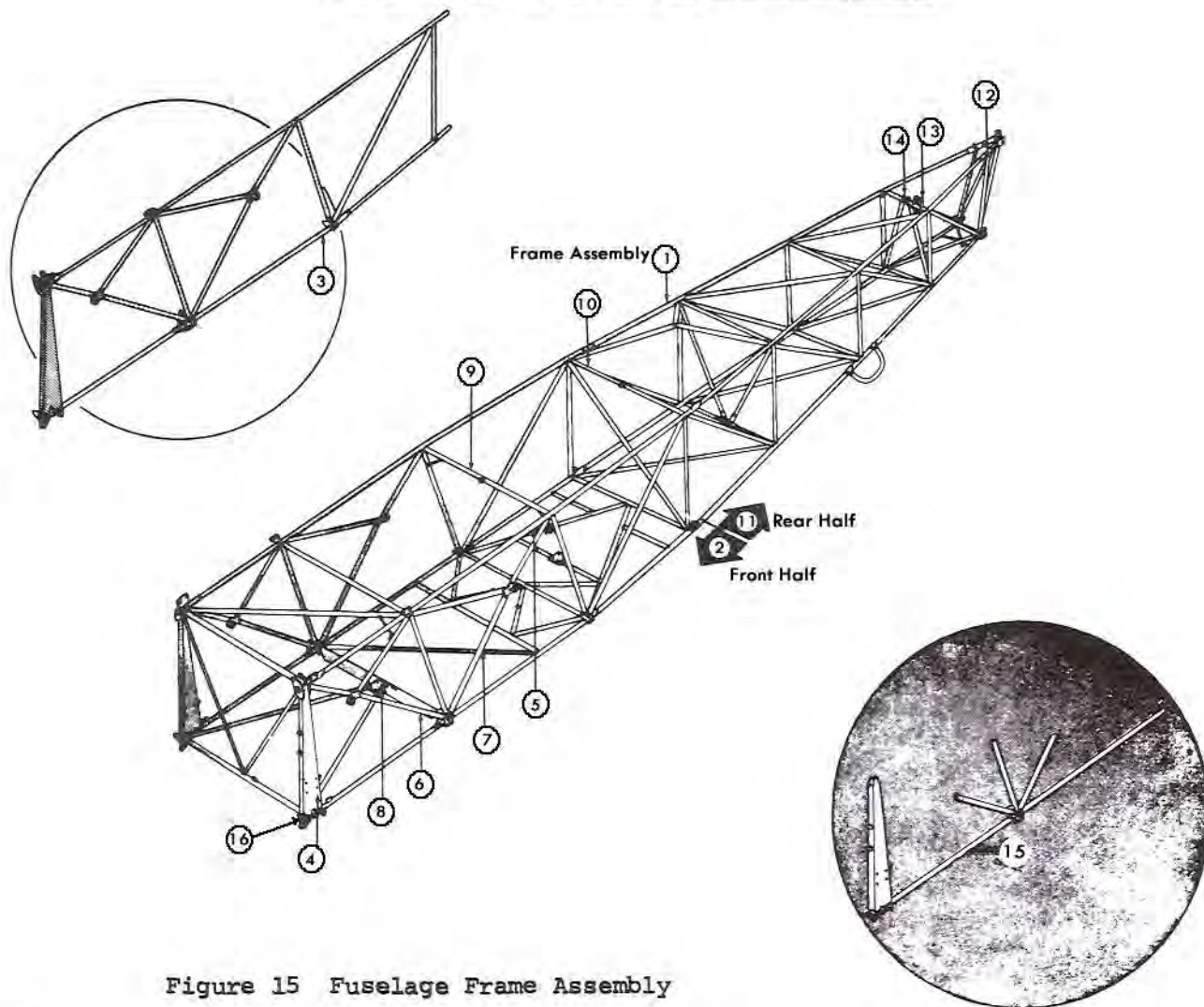


Figure 15 Fuselage Frame Assembly

Index	Part No.	Description	Cond.
1	75-2101	Frame assy-fuselage	
2	75-2101-3	Frame assy-fuselage front half	
3	75-2101-66	Truss assy-fuselage front side left	
3	75-2101-67	Truss assy-fuselage front side right	
4	75-2163	Tube assy-fuselage station 1, boxed heavy lh	
4	75-2163-1	Tube assy-fuselage station 1, boxed heavy rh	
8	75-2101-70	Truss assy-fuselage bottom front	
11	75-2101-78	Frame assy-fuselage rear half	
15	E75-2101S	Fuselage repair assy station 1 & 2, lower lh	
15	E75-2101S-1	Fuselage repair assy station 1 & 2, lower rh	
16	AG75-2131-1	Stud-engine mount, Stock Stearman	FAA-PMA
16	AG75-2131-1+4,+8,+12	Stud-engine mount, Stock Stearman o.s. fuselage	FAA-PMA
16	AG75-2131-1S	Stud, stepped, engine mount 7/16"x1/2"	FAA-PMA

FUSELAGE FAIRING & COVERING INSTALLATION

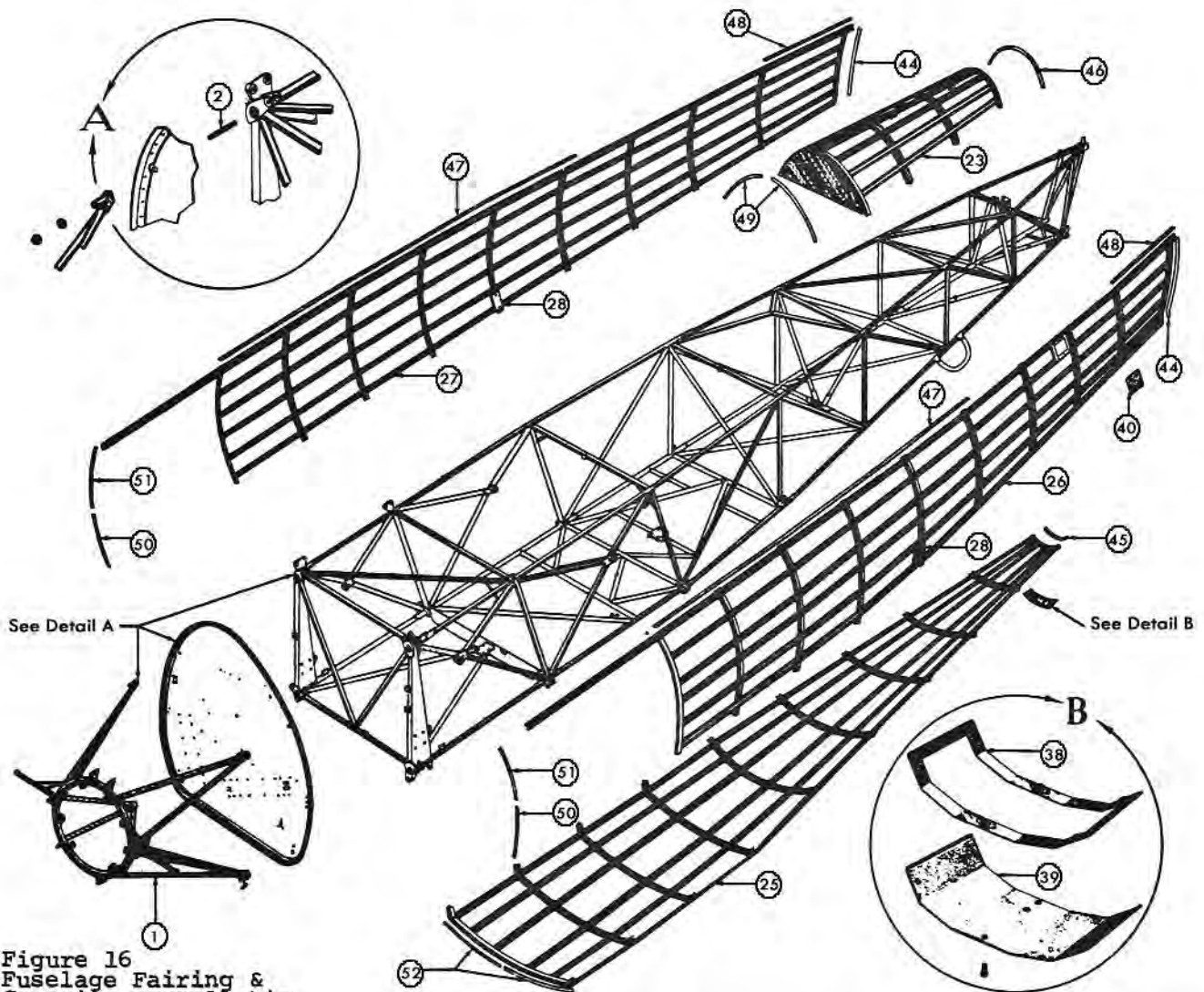


Figure 16
Fuselage Fairing &
Covering Installation

No.	Part No.	Description	Cond.
1	75-2500	Engine mount- R-680 Lycoming PT-13, N2S-5	Recond.
1	A75N1-2500	Engine mount- R-670 Continental PT-17, N2S-4	N-S
2	AG75-2131-1	Stud-engine mount attach	FAA-PMA
2	AG75-2131-1+4, #8 & +12	Stud-engine mount attach o.s. (fuselage)	FAA-PMA
2	AG75-2131-1S	Stud, stepped 7/16"x1/2", engine mount-1/2" at fuselage	FAA-PMA
	Attach hdw.	4 ea. AN310-7, 4 ea. AN960-716, 4 ea. AN380-3-3	F/N
23	AG75-2324	Fairing assy-fuselage top (turtleback)	FAA-PMA
25	AG75-2323	Fairing assy-bottom, all 6061-T6	FAA-PMA
	Attach hdw.	2 ea. AN520-10-6, 16 ea. AN520-10-14, 2 ea. AN520-10-7, 20 ea. AN365-1032A, 20 ea. AN960-10	F/N
26	AG75-2322	Fairing assy-fuselage side panel, lh, all 6061-T6	FAA-PMA
27	AG75-2322-1	Fairing assy-fuselage side panel, rh, all 6061-T6	FAA-PMA
	Attach hdw.	AG75-2322, 2322-1 4 ea. AN520-10-6, 4 ea. AN520-10-7, 34 ea. AN520-10-14, 42 ea. AN365-1032A, 32 ea. AN960-10	F/N
23 - 27	AG75-2321	Stringer-fuselage fairings, 14'6" long, 6061-T6 aluminum extrusions	FAA-PMA

FUSELAGE FAIRING & COVERING INSTALLATION continued

Figure 16

Index

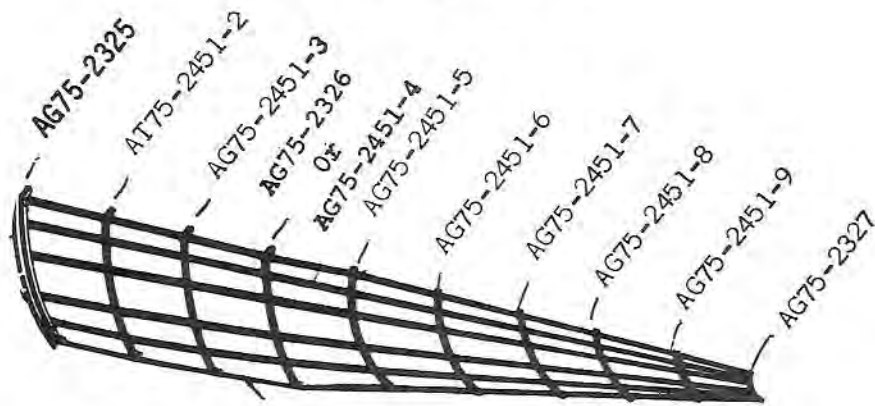
No.	Part No.	Description	Cond.
28	75-2462	Protector-fairing arch, 2 required	N-P
	Attach hdw.	4 ea. AN526-1032-16, 4 ea. AN365-1032A	F/N
38	AG75-2382	Frame assy-fuselage cleanout	FAA-PMA
39	AG75-2383	Door-fuselage cleanout	FAA-PMA
	Attach hdw.	5 ea. AN526-1032-7	F/N
40	AG75-2384	Door assy-fuselage left rear inspection(anodized)	FAA-PMA
	Attach hdw.	3 ea. AN526-1032-7	F/N
44	AG75-2391	Strip-rear side fabric attachment, 2 required	FAA-PMA
45	AG75-2392	Strip-lower rear fabric attachment,1 required	FAA-PMA
46	AG75-2394	Strip-upper rear fabric attachment,1 required	FAA-PMA
47	AG75-2395-1	Strip-side channel fabric attachment,2 required	FAA-PMA
48	AG75-2395-2	Strip-side channel fabric attachment,2 required	FAA-PMA
49	AG75-2453	Strip-upper front fabric attachment, 2 required	FAA-PMA
50	AG75-2454	Strip-lower front fabric attachment, 2 required	FAA-PMA
51	AG75-2455	Strip-side fabric attachment-front, 2 required	FAA-PMA
52	AG75-2455-1	Strip-side fabric attachment-front lower,2 req.	FAA-PMA
	Attach hdw.	Fabric strips 141 ea. AN530-4-4	F/N
	DS75-2300-CK	Clamp kit to attach AG75-2322, 2322-1, AG75-2323 and 75-2324 fairings to fuselage	

FIGURE 16A REPLACEMENT ARCHES FOR AG75-2322, 2322-1 & AG75-2323
R-670 PT-17, N2S-4, R-680 PT-13, N2S-5

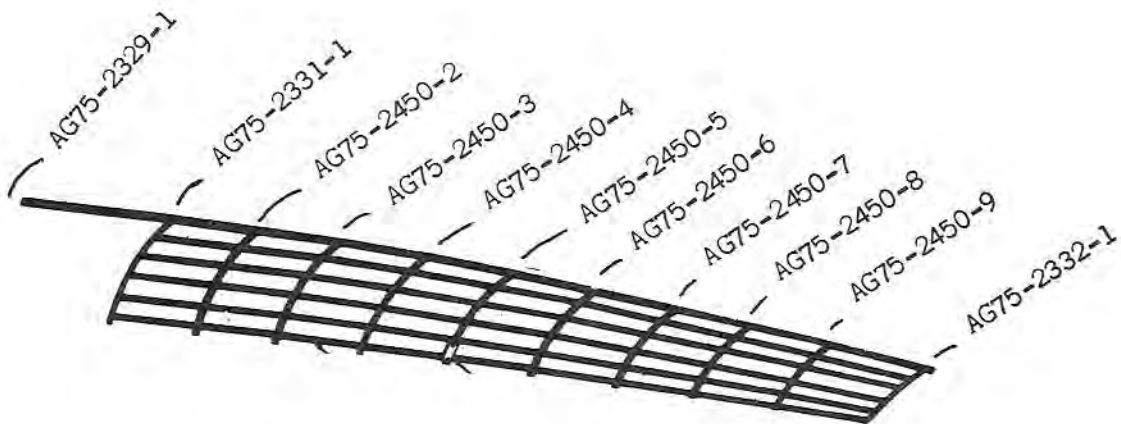
Part No.	Description	Cond.
AG75-2325	Arch assy-bottom fairing-front (sta #1)	FAA-PMA
AG75-2326	Arch assy-bottom fairing-sta #4(same as P/N AG75-2451-4)	FAA-PMA
AG75-2327	Arch assy-bottom fairing rear (sta #10)	FAA-PMA
AG75-2329	Channel assy complete,fuselage side fairing attachment lh	FAA-PMA
AG75-2329-1	Channel assy complete,fuselage side fairing attachment rh	FAA-PMA
AG75-2331	Arch assy-fuselage side fairing-front lh (sta #1)	FAA-PMA
AG75-2331-1	Arch assy-fuselage side fairing-front rh (sta #1)	FAA-PMA
AG75-2332	Arch assy-fuselage side fairing-rear lh (sta #10)	FAA-PMA
AG75-2332-1	Arch assy-fuselage side fairing-rear rh (sta #10)	FAA-PMA
AG75-2450-2	Arch assy-fuselage side fairing, lh or rh (sta #2)	FAA-PMA
AG75-2450-3	Arch assy-fuselage side fairing, lh or rh (sta #3)	FAA-PMA
AG75-2450-4	Arch assy-fuselage side fairing, lh or rh (sta #4)	FAA-PMA
AG75-2450-5	Arch assy-fuselage side fairing, lh or rh (sta #5)	FAA-PMA
AG75-2450-6	Arch assy-fuselage side fairing, lh or rh (sta #6)	FAA-PMA
AG75-2450-7	Arch assy-fuselage side fairing, lh or rh (sta #7)	FAA-PMA
AG75-2450-8	Arch assy-fuselage side fairing, lh or rh (sta #8)	FAA-PMA
AG75-2450-9	Arch assy-fuselage side fairing, lh or rh (sta #9)	FAA-PMA
AG75-2451-2	Arch assy-fuselage bottom fairing (sta #2)	FAA-PMA
AG75-2451-3	Arch assy-fuselage bottom fairing (sta #3)	FAA-PMA
AG75-2451-4	Arch assy-fuselage bottom fairing (sta #4) i/w AG75-2326	FAA-PMA
AG75-2451-5	Arch assy-fuselage bottom fairing (sta #5)	FAA-PMA
AG75-2451-6	Arch assy-fuselage bottom fairing (sta #6)	FAA-PMA
AG75-2451-7	Arch assy-fuselage bottom fairing (sta #7)	FAA-PMA
AG75-2451-8	Arch assy-fuselage bottom fairing (sta #8)	FAA-PMA
AG75-2451-9	Arch assy-fuselage bottom fairing (sta #9)	FAA-PMA

See Figure 16A, page 50

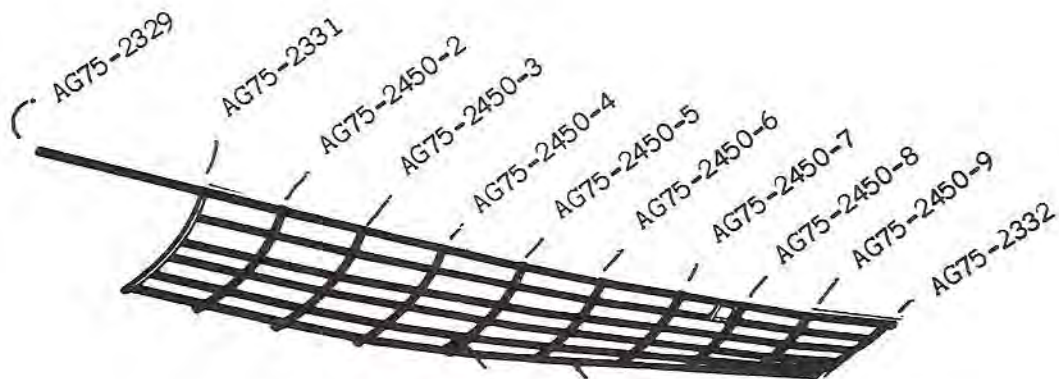
Figure No. 16A
 STEARMAN AIRFRAME PARTS
 ALL FAA-PMA APPROVED



AG75-2323 FAIRING ASSY-Fuselage Bottom
 Complete bottom assembled



AG75-2322-1 FAIRING ASSY-Fuselage Right Hand Side
 Complete right hand side assembled



AG75-2322 FAIRING ASSY-Fuselage Left Hand Side
 Complete left hand side assembled

FUSELAGE FAIRING CLAMPS-FRONT SECTION

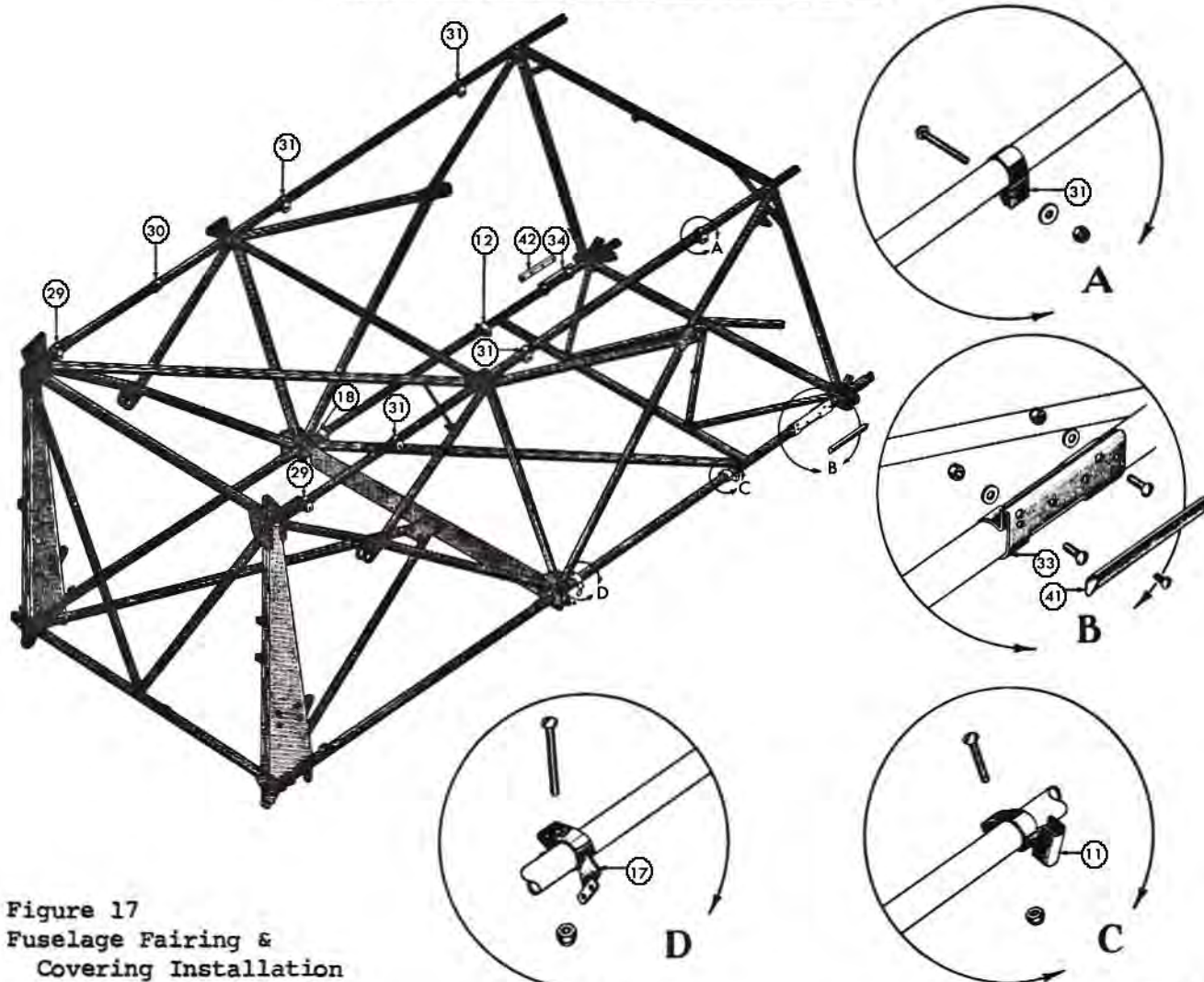


Figure 17
Fuselage Fairing &
Covering Installation

No.	Part No.	Description	Cond.
11	AG75-2397	Clamp assy-#2 fairing arch, lower left	FAA-PMA
12	AG75-2397-1	Clamp assy-#2 fairing arch, lower right	FAA-PMA
17	AG75-2379	Clamp assy-front lower fairing arch, lh	FAA-PMA
18	AG75-2379-1	Clamp assy-front lower fairing arch, rh	FAA-PMA
	Attach hdw.	AG75-2397, 2397-1 2 ea. AN520-10-22, 2 ea. AN365-1032A	F/N
	Attach hdw.	AG75-2379, 2379-1 2 ea. AN520-10-36, 2 ea. AN365-1032A	F/N
29	S-110-D51	Clamp-1½" tube, at station 1 only, 2 required	N-P
	Attach hdw.	2 ea. AN520-10-30, 2 ea. AN365-1032A, 2 ea. AN960-10	F/N
30	S-101-18F	Tube clip, rh side only	New
	Attach hdw.	1 ea. AN520-10-10, 1 ea. AN365-1032A, 1 ea. AN960-10	F/N
31	S-109-D51	Clamp-1 1/8" tube, 9 required	N-P
	Attach hdw.	9 ea. AN520-10-28, 9 ea. AN365-1032A, 9 ea. AN960-10	F/N
33	73-2331-1	Clamp-left rear fuselage former cover attachment	N-P
34	73-2331-3	Clamp-right rear fuselage former cover attachment	N-P
	Attach hdw.	4 ea. AN520-10-8, 4 ea. AN365-1032A, 4 ea. AN960-10	F/N
41	73-2357	Strip-fuselage cover former lh	N-P
42	73-2357-1	Strip-fuselage cover former rh	N-P
	Attach hdw.	14 ea. AN530-4-4	F/N

FUSELAGE FAIRING CLAMPS - MID-SECTION

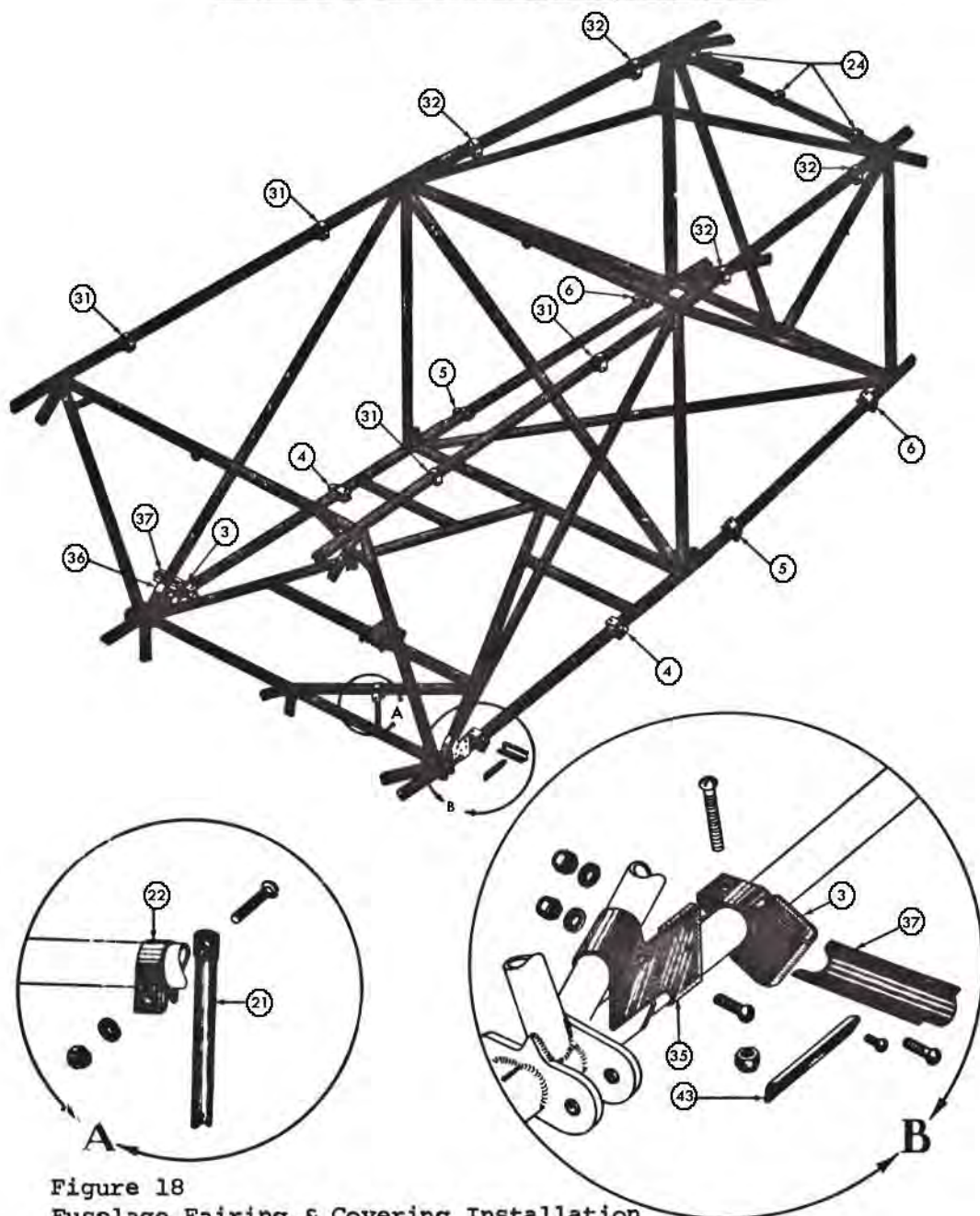


Figure 18
Fuselage Fairing & Covering Installation

Index No.	Part No.	Description	Cond.
3	AG75-2339-2	Clamp assy-fairing arch support, lower, 2 required	FAA-PMA
4	AG75-2339-3	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN520-10-24, 4 ea. AN365-1032A	F/N
5	AG75-2339-4	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
6	AG75-2339-5	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN520-10-22, 4 ea. AN365-1032A	F/N
21	75-2420	Brace-#3 arch, 1 required	N-S
22	S-106-D51	Clamp-3/4" dia. tube, 1 required	N-P
	Attach hdw.	1 ea. AN520-10-24, 1 ea. AN365-1032A	F/N
24	S-101-D10	Tube clip, 3 required	New
	Attach hdw.	3 ea. AN520-10-12, 3 ea. AN365-1032A, 3 ea. AN960-10	F/N
32	S-107-D51	Clamp-7/8" dia. tube, 8 required	N-P
	Attach hdw.	8 ea. AN520-10-24, 8 ea. AN365-1032A, 8 ea. AN960-10	F/N

FUSELAGE FAIRING CLAMPS - MID-SECTION continued

Figure 18

Index

No.	Part No.	Description	Cond.
35	73-2331-3	Clamp-left front fuselage former attach	N-P
36	73-2331-4	Clamp-right front fuselage former attach	N-P
	Attach hdw.	2 ea. AN520-10-8, 2 ea. AN365-1032A, 2 ea. AN960-10	F/N
37	75-2321-15	Strip-fuselage fairing, 2 required	N-P
43	73-2357-2	Strip-fuselage cover former lh	N-P
43	73-2357-3	Strip-fuselage cover former rh	N-P

FUSELAGE FAIRING CLAMPS - REAR

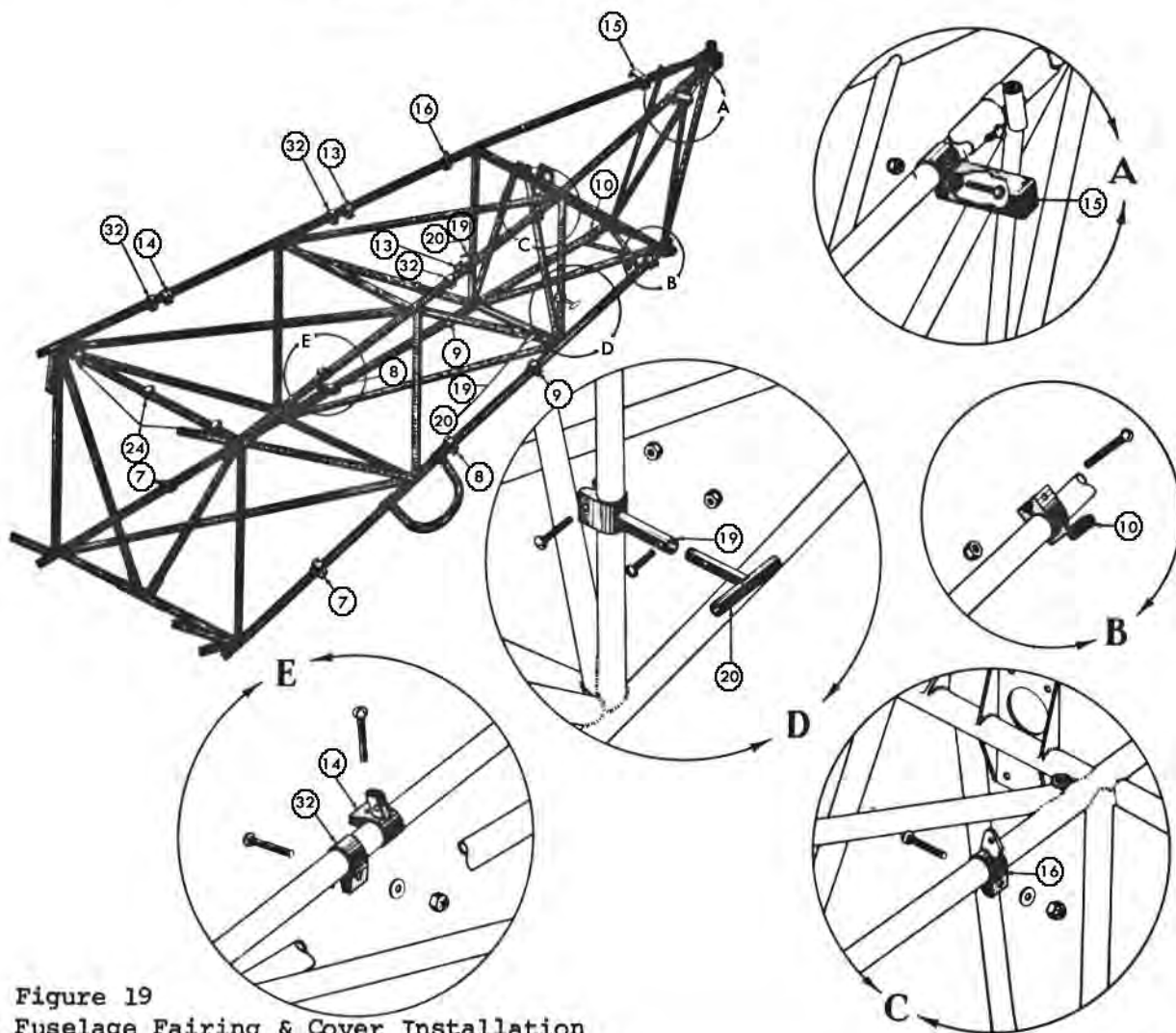


Figure 19

Index Fuselage Fairing & Cover Installation

No.	Part No.	Description	Cond.
7	AG75-2339-6	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
8	AG75-2339-7	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
9	AG75-2339-8	Clamp assy-fairing arch support lower, 2 required	FAA-PMA
	Attach hdw.	6 ea. AN520-10-22, 6 ea. AN365-1032A	F/N
10	AG75-2348	Clamp assy-rear fairing arch support lower, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN520-10-24, 2 ea. AN365-1032A	F/N
13	AG75-2385-1	Clamp assy-top fairing arch support, 2 required	FAA-PMA
14	AG75-2385-2	Clamp assy-top fairing arch support, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN520-10-22, 4 ea. AN365-1032A	F/N

FUSELAGE FAIRING CLAMPS - REAR continued

Figure 19

Index

No.	Part No.	Description	Cond.
15	AG75-2386	Clamp assy-fairing channel rear support, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN520-10-22, 2 ea. AN365-1032A, 2 ea. AN530-6-6	F/N
16	AG75-2388	Clamp assy-rear top fairing arch support, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN520-10-22, 2 ea. AN365-1032A, 2 ea. AN960-10	F/N
19	AG75-2460	Clamp assy-side fairing strip support, 4 required	FAA-PMA
	Attach hdw.	4 ea. AN520-10-18, 4 ea. AN365-1032A	F/N
20	AG75-2461	Support assy-side fairing strip, 4 required	FAA-PMA
	Attach hdw.	4 ea. AN520-10-14, 4 ea. AN365-1032A	F/N
	DS75-2300-CK	Clamp kit-to attach AG75-2322, 2322-1, AG75-2323 and 75-2324 fairings to fuselage	

FUSELAGE COWL INSTALLATION

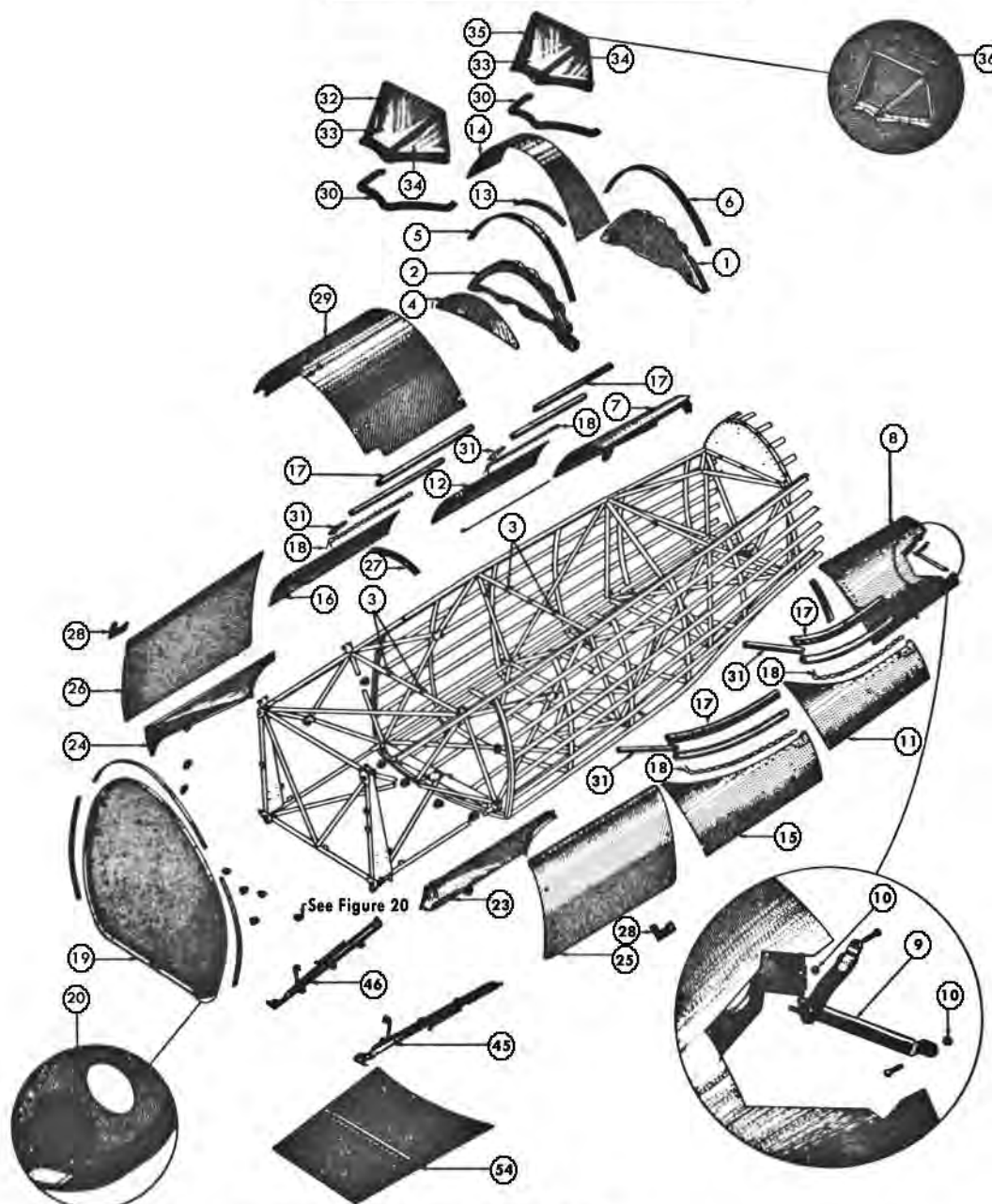


Figure 20 Fuselage Cowl Installation

FUSELAGE COWL INSTALLATION

Figure 20

Index

No.	Part No.	Description	Cond.
1	AG75-2368-2	Bulkhead assy-cockpit cowl rear	FAA-PMA
2	*AGB75-2305	Bulkhead assy-cockpit cowl front	FAA-PMA
2	*AG75-2367	Bulkhead assy-cockpit cowl front	FAA-PMA
3	S-110-D51	Clamp-1 1/4" dia. tube, 4 required	N-P
	Attach hdw.	4 ea. AN520-10-30, 4 ea. AN365-1032A, AN960-10	F/N
4	B75-2306	Door-instrument inspection(used with AGB75-2305)	N-P
4	AG75-2369	Door-instrument inspection(used with AG75-2367)	FAA-PMA
	Attach hdw.	AN526-1032-6	F/N
	*NOTE: Use AGB75-2305 bulkhead & B75-2306 inspection door when you mount tachometer on floating panel. Use AG75-2367 & AG75-2369 instrument door when mounting tach on instrument base rh side		
5	E75-2366	Roll assy-front cockpit rear	N-P
6	E75-2365	Roll assy-rear cockpit rear	N-P
7	AG75-2359	Cowl assy-baggage compartment	FAA-PMA
	Attach hdw.	14 ea. AN526-1032-7, 4 ea. AN526-1032-8, 4 ea. AN526-1032-6, 2 ea. AN365-1032A, 2 ea. AN960-10	F/N
8	AG75-2358	Door assy-baggage compartment with lock assy	FAA-PMA
	75-2398	Plate-baggage compartment door filler	N-P
	422-R	Lock assy-chrome plate, baggage compartment door	F/N
	FAW6 1/2-45	Replacement dzus, baggage door	F/N
	AN415-27	Pin-hinge, baggage door	F/N
	Attach hdw.	2 ea. AN526-1032-8, 2 ea. AN365-1032A	F/N
9	AG75-2400	Support, baggage compartment door folding	FAA-PMA
10	AG75-2429	Spacer, baggage compartment door brace	FAA-PMA
	Attach hdw.	2 ea. AN526-1032-8	F/N
11	AG75-2356	Cowl assy-rear cockpit lh	FAA-PMA
11	75-2356	Cowl assy-rear cockpit lh	Recond.
12	AG75-2356-1	Cowl assy-rear cockpit rh	FAA-PMA
12	75-2356-1	Cowl assy-rear cockpit rh	Recond.
	AG75-2357-3	Tube-reinforcement for AG75-2356, 2356-1 cowls	FAA-PMA
	Attach hdw.	AG75-2356, 2356-1 12 ea. AN526-1032-7, 4 ea. AN526-1032-8, 2 ea. AN526-1032-10, 2 ea. AN365-1032A, 2 ea. AN960-10, 1 ea. AN936B-10	F/N
13	75-2364	Roll assy-rear cockpit forward	N-P
14	AG75-2355	Cowl-intercockpit, anodized	FAA-PMA
	Attach hdw.	2 ea. AN526C-1032-8, 17 ea. AN526-1032-8, 2 ea. AN526-1032-7, 2 ea. AN960C-10, 2 ea. AN365D-1032A	F/N
15	AG75-2354	Cowl assy-front cockpit lh	FAA-PMA
15	75-2354	Cowl assy-front cockpit lh	Recond.
16	AG75-2354-1	Cowl assy-front cockpit rh	FAA-PMA
16	75-2354-1	Cowl assy-front cockpit rh	Recond.
	AG75-2357-2	Tube-reinforcement AG75-2354, 2354-1	FAA-PMA
	E75N1-2302-3	Strip-felt press use with E75N1-2302-17 felt roll for AG75-2354, 2354-1, AG75-2356, 2356-1	N-P
	Attach hdw.	AG75-2354, 2354-1 8 ea. AN526-1032-7, 8 ea. AN526-1032-8, 2 ea. AN526-1032-10	F/N
18	E75N1-2302-1	Thong-leather, E75N1-2302-2 attach, 4 required	N-P
19	AG75-2310	Firewall assy, stainless steel - R-680 or R-670	FAA-PMA
17	E75N1-2302-2	Crash pad cover	F/N

FUSELAGE COWL INSTALLATION continued

Figure 20

Index

No.	Part No.	Description	Cond.
20	A-122	Grommet-1½" close round, 2 required	F/N
23	75-2319	Support assy-fuselage side cowl lh, anodized	N-P
24	75-2319-1	Support assy-fuselage side cowl rh, anodized	N-P
	AN931-8-13	Grommet-elastic, 2 required	F/N
	Attach hdw.	4 ea. AN510-10-8, 2 ea. AN526-1032-8, 6 ea. AN526-1032-7, 6 ea. AN365-1032A, 6 ea. AN960-10	F/N
	AG75-2416	Dzus bracket assy for AG75-2319, 2319-1, 2 required, anodized	FAA-PMA
	S6-425	Replacement dzus spring - AG75-2416	F/N
	Attach hdw.	S6-425 dzus spring 2 ea. AN505-4-6, 2 ea. AN365-1032A	F/N
25	AG75-2317	Door assy-fuselage side cowl lh	FAA-PMA
26	AG75-2317-1	Door assy-fuselage side cowl rh	FAA-PMA
	AN415-33	Replacement pin-hinge for 75-2317, 75-2317-1 doors	F/N
	FA6½-45	Replacement dzus for 75-2317, 75-2317-1 doors	F/N
	GF6½-250	Grommet-dzus, for AG75-2317, AG75-2317-1 doors	F/N
27	E75-2363	Roll assy-front cockpit forward	N-P
28	75-2336	Plate-cowl filler, 2 required	N-P
29	AGE75N1-2305	Cowl assy-upper front fuselage cowl, anodized	FAA-PMA
	AN931-8-13	Grommet-elastic - AGE75N1-2305, 4 required	F/N
	Attach hdw.	3 ea. AN526C-1032-8, 30 ea. AN526-1032-8	
30	E75N1-2302-18	Cord roll assy-front & rear windshield attach	N-P
31	E75N1-2302-17	Felt roll assy for front & rear cockpit cowls, 4 req.	N-P
32	AG75-2377	Windshield assy-front, with glass	FAA-PMA
32	AG75-2377-1	Windshield assy-front, less glass	FAA-PMA
	AG75-2446-1	Windshield glass enclosure, back front or rear	FAA-PMA
	Attach hdw.	4 ea. AN515-8-8, 8 ea. AN526-1032-8, 3 ea. AN526C-1032-8, 8 ea. AN365-1032A, 3 ea. AN365D-1032A, 8 ea. AN960-10, 3 ea. AN960C-10	F/N
33	75-2378-1	Replacement safety glass-front, for both front and rear windshields	F/N
34	75-2378-2	Replacement safety glass-sides, 2 required for front & rear windshields	F/N
35	AG75-2377-2	Windshield assy-rear with glass	FAA-PMA
35	AG75-2377-3	Windshield assy-rear less glass	FAA-PMA
36	AG75-2434	Channel-s. steel reinforcement, rear windshield	FAA-PMA
	Attach hdw.	2 ea. AN515-8-8, 2 ea. AN515-8-10, 8 ea. AN526-1032-8, 1 ea. AN526C-1032-8, 2 ea. AN526C-1032-10, 8 ea. AN365-1032A, 3 ea. AN365D-1032A, 8 ea. AN960-10, 3 ea. AN960C-10	F/N
45	AG75-2413	Support assy w/dzus bracket, less AG75-2411 bottom fuselage cowl lh	FAA-PMA
46	AG75-2413-1	Same as above except rh	FAA-PMA
	75-2411	Stand off clamp for AG75-2413 support assy lh	N-P
	75-2411-1	Same as above except rh	N-P
	AG75-2416	Dzus bracket assy, used on AG75-2413 & 2413-1	FAA-PMA
	Attach hdw.	AG75-2413, 2413-1 & AG75-2416 4 ea. AN520-10-9, 8 ea. AN520-10-10, 2 ea. AN3-15, 12 ea. AN365-1032A, 26 ea. AN960-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 12 ea. AN505-4-6, 12 ea. AN365B-1032A	F/N
54	AG75-2412	Cowl assy-fuselage bottom, anodized	FAA-PMA
	FA6½-45	Replacement dzus	F/N
	GF6½-250	Replacement grommet	F/N

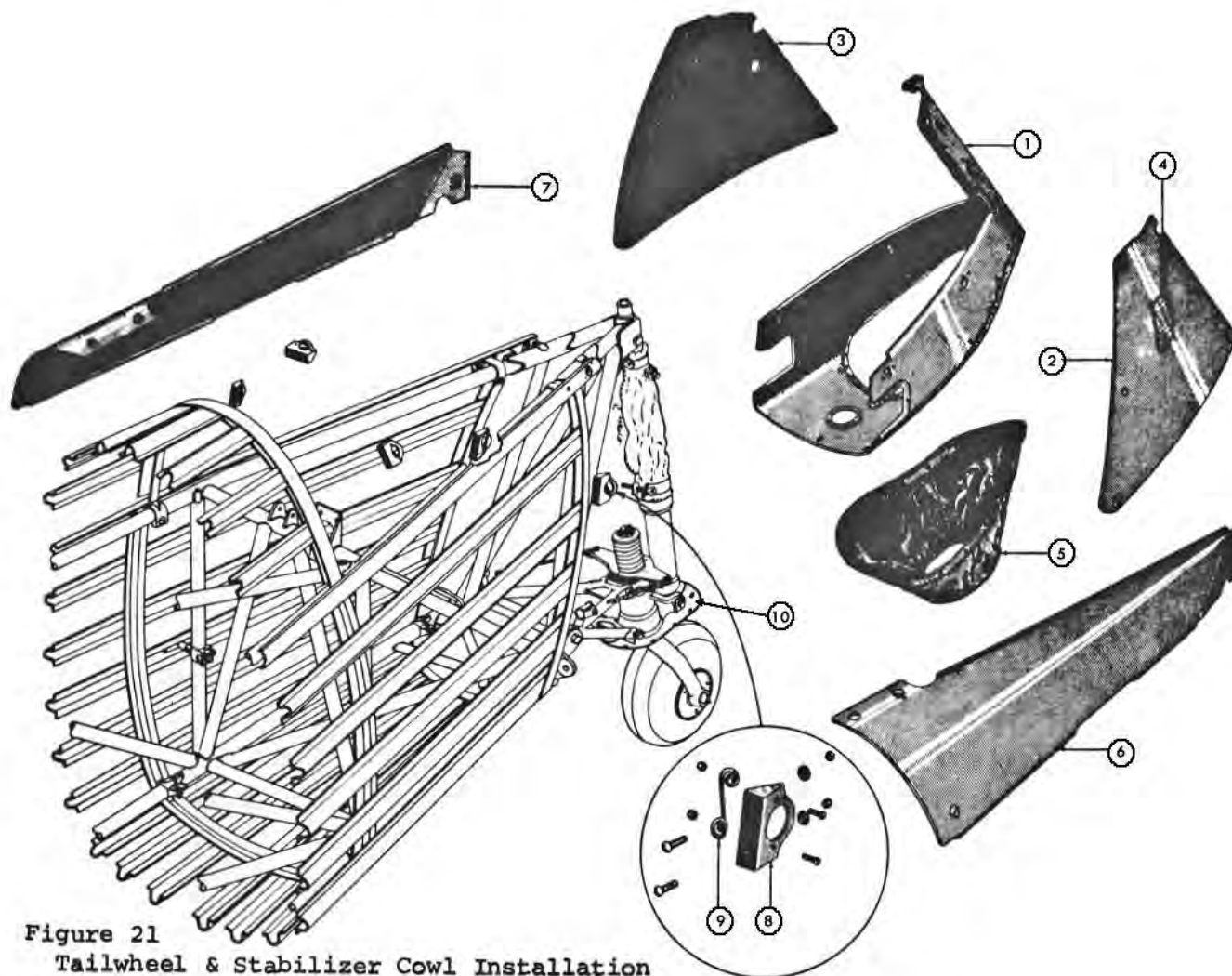
FUSELAGE COWL INSTALLATION continued

Figure 20

Index

No.	Part No.	Description	Cond.
DS75-2300-SNW		Bolt, screw, washer & nut kit for installing all fuselage & landing gear fairings	F/N

TAILWHEEL & STABILIZER COWL INSTALLATION



Index

No.	Part No.	Description	Cond.
1	AG75-2347	Cowl assy-tailwheel lower (tail cone)	FAA-PMA
	Attach hdw.	5 ea. AN526-1032-7	F/N
2	AG75-2370	Cowl assy-tailwheel side lh	FAA-PMA
3	AG75-2370-1	Cowl assy-tailwheel side rh	FAA-PMA
	FA64-45	Replacement dzus for AG75-2370, 2370-1	F/N
	GF64-250	Replacement grommet for AG75-2370, 2370-1	F/N
	AG75-4513-26	Special washer, use with GF64-250 grommet	FAA-PMA
	S6-425	Special dzus spring for AG75-2347	F/N
4	AGA75N1-2701	Instruction plate-tailwheel, for AG75-2370 cowl	FAA-PMA
5	75-2371-5	Boot assy-10" tailwheel	N-P

TAILWHEEL & STABILIZER COWL INSTALLATION continued

Figure 21

Index

No.	Part No.	Description	Cond.
	Attach hdw.	16 ea. AN520-10-7, 16 ea. AN365-1032A, 32 ea. AN960-10	F/N
10	75-2349-1	Bracket assy-tailwheel boot lh	N-P
10	75-2349-2	Bracket assy-tailwheel boot rh	N-P
6	AG75-2372	Cowl assy-stabilizer to fin, lh, anodized	FAA-PMA
7	AG75-2372-1	Cowl assy-stabilizer to fin, rh, anodized	FAA-PMA
8	AG75-2416	Dzus bracket assy-cowl fastener support, 5 required	FAA-PMA
9	S6-425	Spring-dzus, AG75-2416 bracket, 5 required	F/N
	Attach hdw.	S6-425 10 ea. AN505-4-6, 10 ea. AN365B-440	F/N
	Attach hdw.	AG75-2416 10 ea. AN520-10-8, 10 ea. AN365-1032A, 12 ea. AN960-10	F/N

FUSELAGE COWL INSTALLATION - LANDING GEAR

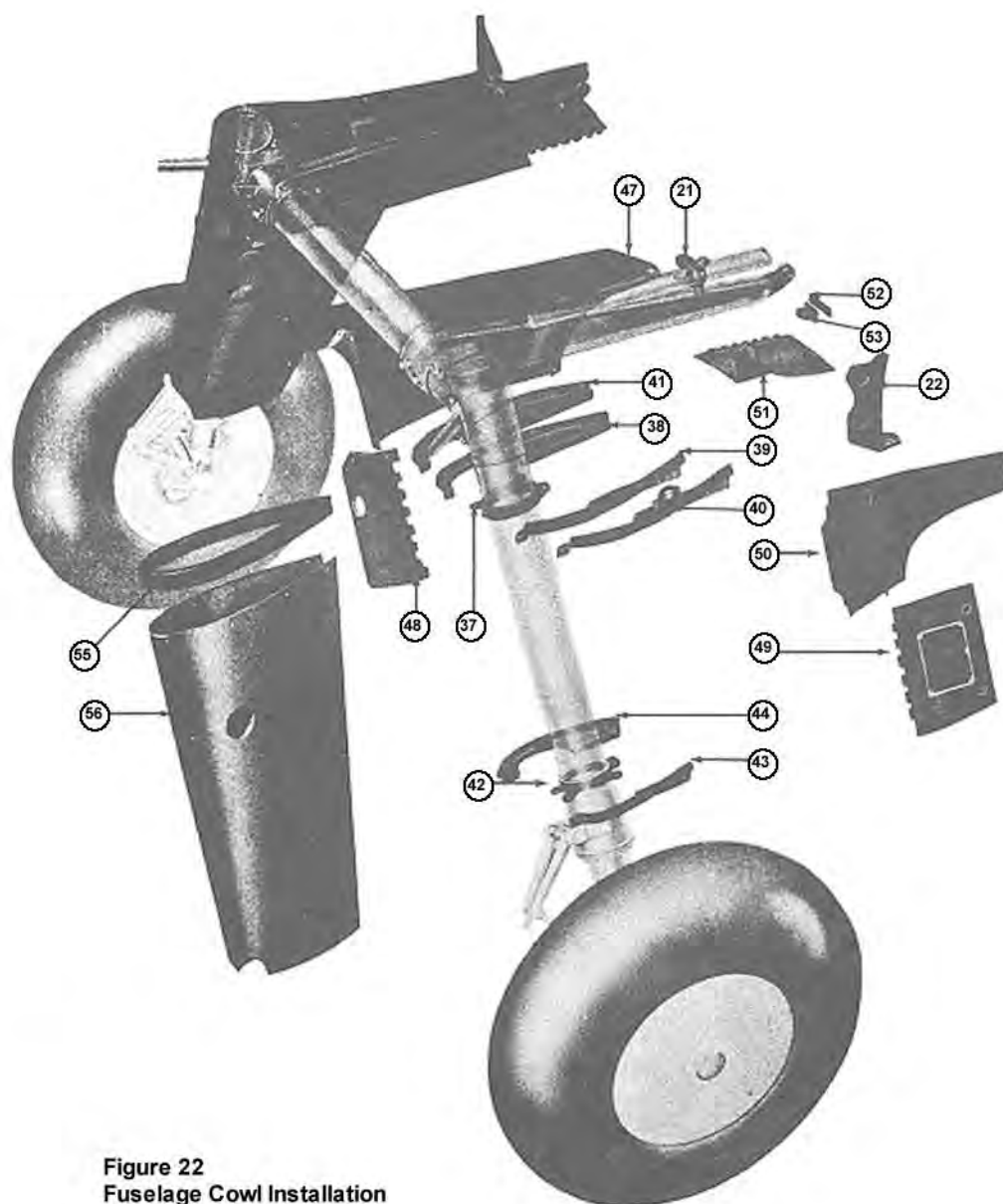


Figure 22
Fuselage Cowl Installation

FUSELAGE COWL INSTALLATION-LANDING GEAR

Figure 22

Index

No.	Part No.	Description	Cond.
21	AG75-2361	Clamp assy-cowl support bulkhead lh	FAA-PMA
21	AG75-2361-1	Clamp assy-cowl support bulkhead rh	FAA-PMA
	Attach hdw.	2 ea. AN3-15, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
22	75-2341	Bulkhead assy-fuselage side cowl support lh	N-P
22	75-2341-1	Bulkhead assy-fuselage side cowl support rh	N-P
	Attach hdw.	4 ea. AN520-10-10, 4 ea. AN365-1032A, AN960-10	F/N
37	75-2343	Clamp-landing gear fairing, upper bulkhead, 2 req.	N-S
38	75-2406	Bulkhead assy-upper landing gear fairing lh, 2 req.	N-P
39	75-2406-1	Bulkhead assy-upper landing gear fairing rh, 2 req.	N-P
	Attach hdw.	14 ea. AN520-10-8, 2 ea. AN510-10-12, 16 ea. AN365-1032A, 22 ea. AN960-10	F/N
40	75-2405	Bulkhead-landing gear fillet, outer lh	N-P
40	75-2405-1	Bulkhead-landing gear fillet, outer rh	N-P
41	75-2407	Bulkhead-landing gear fillet, inner lh	N-P
41	75-2407-1	Bulkhead-landing gear fillet, inner rh	N-P
	Attach hdw.	6 ea. AN520-10-8, 6 ea. AN365-1032A, 12 ea. AN960-10	F/N
42	75-2344	Clamp assy-landing gear fairing, lower bulkhead	N-S
43	75-2342	Bulkhead assy-landing gear fairing lower bulkhead, 2 req.	N-S
44	75-2342-1	Same as above except right hand	N-S
	Attach hdw.	14 ea. AN520-10-8, 2 ea. AN520-10-12, 16 ea. AN365-1032A, 30 ea. AN960-10	F/N
47	AG75-2340	Fillet assy, fiberglass-landing gear fairing lh	FAA-PMA
47	AG75-2340-1	Fillet assy, fiberglass-landing gear fairing rh	FAA-PMA
	AN931-16-22	Grommet-elastic, 2 required	F/N
	Attach hdw.	24 ea. AN526-1032-7, 2 ea. AN526-1032-8, 2 ea. AN526-1032-6, 10 ea. AN365-1032A, 10 ea. AN960-10	F/N
48	AG75-2346	Fairing assy-upper outside l. gear lh, anodized	FAA-PMA
48	AG75-2346-1	Fairing assy-upper outside l. gear rh, anodized	FAA-PMA
	Attach hdw.	8 ea. AN526-1032-7, 2 ea. AN526-1032-6, 2 ea. AN526-1032-4	F/N
49	AG75-2346-6	Inspection door assy w/instr. plate, lh, anodized	FAA-PMA
49	AG75-2346-7	Same as above except rh	FAA-PMA
	AN415-8	Pin-hinge for AG75-2346-6, -7 doors	F/N
50	AG75-2346-12	Fairing assy-upper outside l. gear rear, lh, anodized	FAA-PMA
50	AG75-2346-13	Same as above except rh	FAA-PMA
	Attach hdw.	18 ea. AN526-1032-7, 2 ea. AN526-1032-6, 2 ea. AN365-1032A, 2 ea. AN960-10	F/N
51	AG75-2338	Door assy-fuselage wing root insp. lh, anodized	FAA-PMA
51	AG75-2338-1	Same as above except rh	FAA-PMA
	AN415-8	Pin-hinge for AG75-2338, 2338-1 doors	F/N
52	E75N1-2302-16	Filler block, 2 required	N-P
	Attach hdw.	4 ea. AN550-8-6	F/N
53	75-2404	Bracket assy-spring support, 2 required	N-P
55	75-2409	Roll-landing gear fairing gap closure, 2 required	N-P
56	AG75-2348A	Fairing-landing gear lower lh-Haliburton short gear, anodized	FAA-PMA
56	AG75-2348A-1	Same as above except rh	FAA-PMA
56	AG75-2345	Fairing-landing gear lower lh-Bendix gear, anodized	FAA-PMA
56	AG75-2345-1	Same as above except rh	FAA-PMA
	Attach hdw.	38 ea. AN526-1032-7	F/N
	75-2629	Instruction plate, l.g. oleo door	F/N

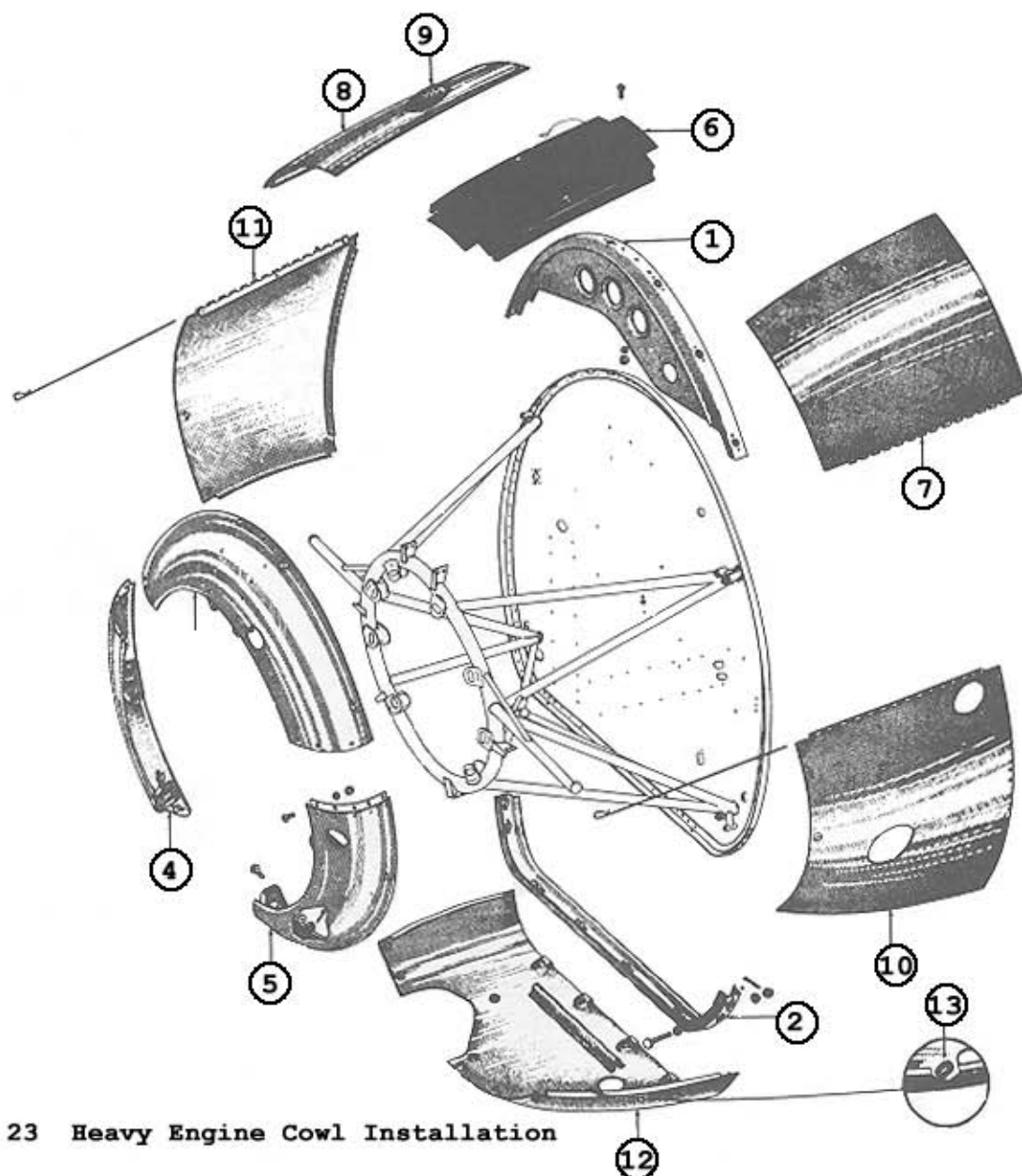


Figure 23 Heavy Engine Cowl Installation

Index No.	Part No.	Description	Cond.
	AGE75-2311	Heavy engine cowl set, 6 cowls, R-680 Pt-13 & N2S-5	FAA-PMA
	AGA75N1-2301	Heavy engine cowl set, 6 cowls, R-670 PT-17 & N2S-4	FAA-PMA
1	75-2314	Support assy-upper engine cowl, PT-13 PT-17, N2S-4, -5	N-S
2	AG75-2315	Support assy-lower engine cowl, PT-13, PT-17, N2S-4, -5	FAA-PMA
	Attach hdw.	4 ea. AN4-16, 4 ea. AN310-4, 8 ea. AN960-10, 4 ea. AN380-2-2	F/N
3	75-2422-1	Ring section-engine cowl support attach, R-680, PT-13, N2S-5	N-S
4	75-2422-2	Same as above	N-S
5	75-2422-3	Same as above	N-S
	Attach hdw.	8 ea. AN526-1032-7, 2 ea. AN510-10-7, 12 ea. AN4-5, 10 ea. AN365-1032A, 10 ea. AN310-4, 10 ea. AN960-10, 12 ea. AN960-416, 12 ea. AN380-2-2	F/N

HEAVY ENGINE COWL INSTALLATION, R-670, R-680 continued

Figure 23

Index

No.	Part No.	Description	Cond.
6	75-2308	Walk assy-engine cowl, R-670 PT-17, N2S-4 and R-680 PT-13, N2S-5	N-S
7	Attach hdw. AG75-2423	6 ea. AN526-1032-7, 6 ea. AN365-1032A, 6 ea. AN960-10 Cowl assy-upper side engine lh, R-670, R-680, PT-17, -13 N2S-4 & N2S-5, anodized	F/N FAA-PMA
8	AG75-2423-1	Cowl assy-upper side engine rh, R-670, R-680, PT-17, -13 N2S-4 & N2S-5, anodized	FAA-PMA
9	E75-2310-1	Grommet, for AG75-2423-1 cowl	N-S
10	AG75-2424	Door assy-engine cowl side, lh, R-680 PT-13, N2S-5, anodized	FAA-PMA
10	AGA75N1-2303	Door assy-engine cowl side lh, R-670 PT-17, N2S-4 anodized - High Hole	FAA-PMA
10	AGB75N1-2304 AN415-19	Door assy. - engine cowl side lh, R-670, PT-17, N2S-4 - Low Hole Pin-hinge for AGA75N1-2303 door	FAA-PMA F/N
11	AG75-2424-1	Door assy-engine cowl side rh, R-670 PT-13, PT-17, N2S-4, -5, anodized	FAA-PMA
	AN415-19	Pin-hinge, AG75-2424 door	F/N
12	AGE75-2309	Cowl assy-bottom engine, R-680, PT-13, N2S-5	FAA-PMA
12	AGA75N1-2304 AN931-7-11	Cowl assy-bottom engine, R-670, PT-17, N2S-4 Grommet-elastic for AGE75-2309 & AGA75N1-2304 cowls, 1 on each	FAA-PMA F/N
	AN931-9-13	Grommet-elastic for AGE75-2309 cowl, 1 required	F/N
	AN931-12-17	Grommet-elastic for AGA75N1-2304 cowl, 1 required	F/N
13	E75-2310-2	Grommet-elastic for AGE75-2309 cowl, 1 required	N-S
13	75-2427	Grommet-elastic for AGA75N1-2304 cowl, 1 required	N-S

BENDIX LANDING GEAR ASSY, PT-17 N2S-4

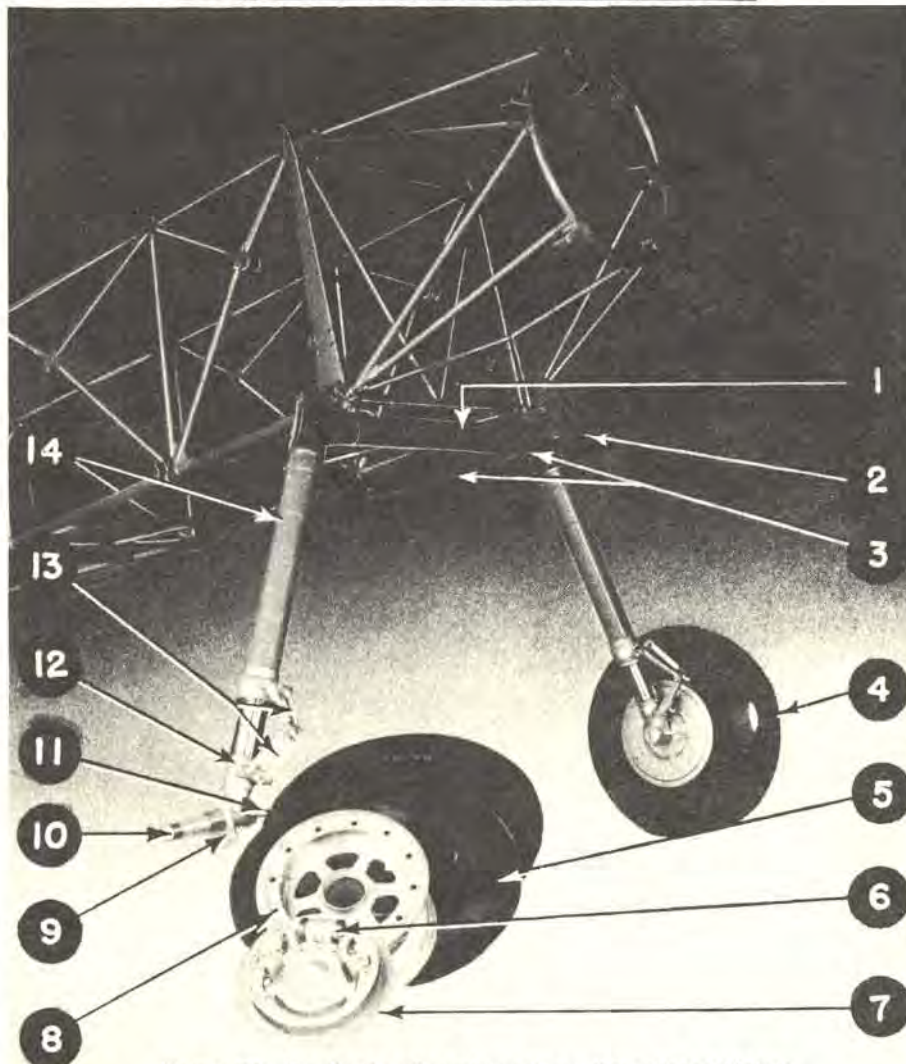


Figure 24 Bendix Landing Gear Assembly PT-17 N2S-4

Index No.	Part No.	Description	Cond.
1	75-2641	Landing gear assy less tire, tube, wheel & brake	Recond.
2	75-2607	Step assy, lh	N-S
2	75-2607-1	Step assy, rh	N-S
	75-2622	Sponson assy-landing gear	Write
4	890x12.50	Tire-6 ply nylon block tred	F/N
5	890x12.50	Tube	F/N
6	51611	Spider, lh wheel brake cylinder, see fig. 61	O/H
6	51612	Spider, rh wheel brake cylinder, see fig. 61	O/H
7	51582	Brake assy lh-main wheel, see fig. 61	O/H
7	51583	Brake assy rh-main wheel, see fig. 61	O/H
8	56372	Wheel assy-main complete w/brgs. & seals, see fig. 61	N-S
8	56372	Same as above	Recond.
9	75-2609	Knuckle-axle assy, Bendix & Haliburton landing gears	N-S
10	75-2610	Axle-landing gear main wheel, Bendix & Haliborton L.gear	N-S
11	75-2626	Towing eye-Bendix & Haliburton landing gears	N-P
12	75-2635	Piston tube assy-inner, less 75-2609 knuckle	N-S
13	75-2657 - 2656	Scissor assy-landing gear (Bendix)	N-S
14	75-2633	Cylinder assy-shock strut, less 75-2609 & 75-2656, 75-2657	N-S

BENDIX LANDING GEAR COMPONENT PARTS

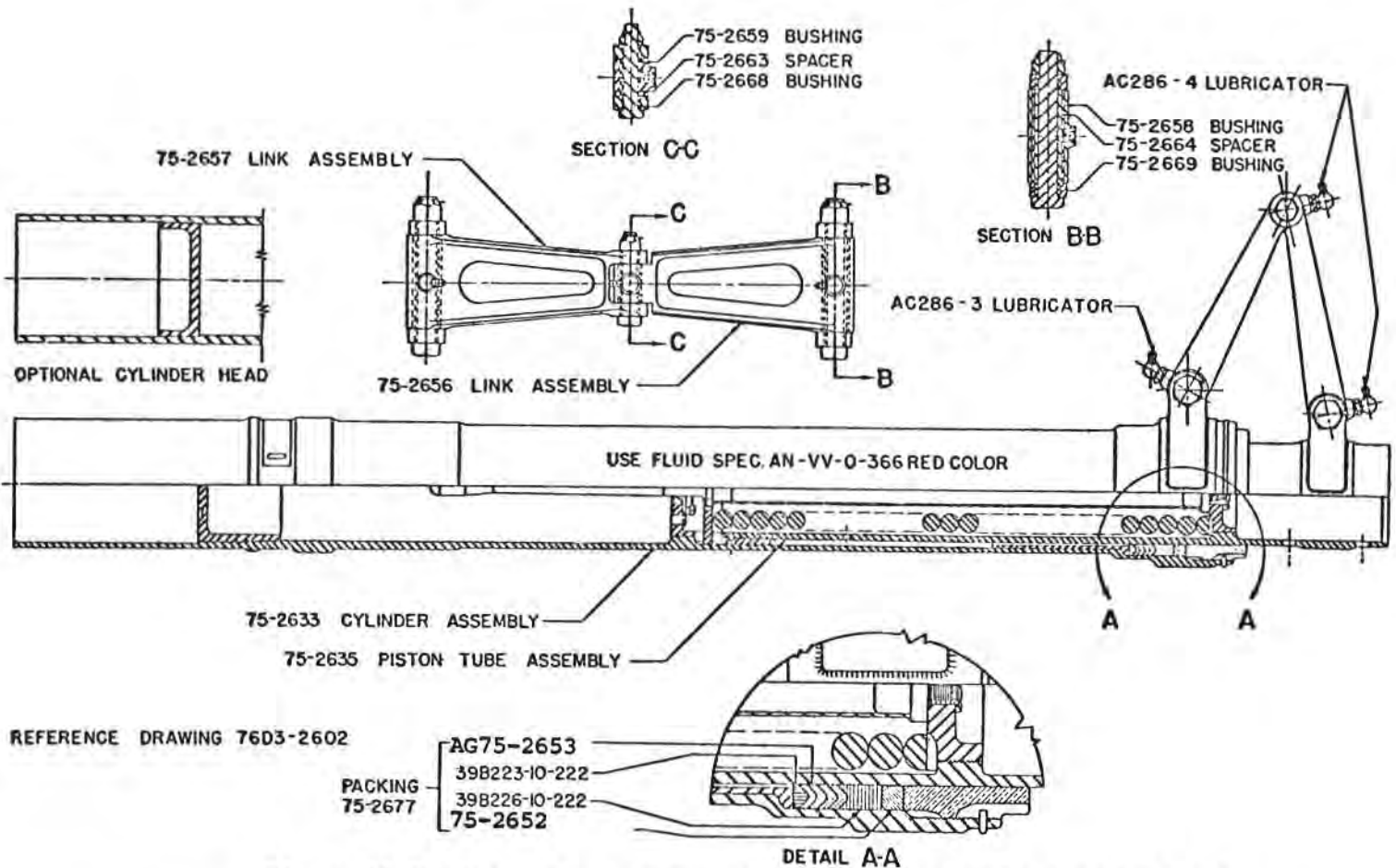


Figure 25 Shock Absorber Assy-Bendix Landing Gear Model N2S-4 & PT-17

Figure 25

Part No.	Description	Cond.
75-2633	Cylinder assy, shock strut assy, complete lh or rh, less 75-2609 knuckle & axle	N-S
75-2634	Cylinder-shock strut-outer leg lh or rh	N-S
75-2635	Piston tube assy-inner complete w/75-2651, 75-2637, 75-2647, 75-2648, 75-2649, 75-2652, 75-2653, 39B223-10-222, 39B226-10-222 & 75-2652	N-S
75-2636	Tube only-piston	N-S
75-2637	Pin-metering	N-S
75-2639	Plate assy-orifice & valve	N-S
AG75-2647	Bearing-piston tube	FAA-PMA
75-2648	Stop-piston	N-S
75-2649	Ring-upper packing spacer (optional)	N-S
AG75-2651	Nut-oleo packing bearing	FAA-PMA
75-2652	Ring, almm., lower chevron packing spacer (optional)	N-S
75-2653	Chevron packing-oleo, 8 required per airplane	F/N
DS-106	Bendix landing gear oleo chevron packing kit-1 required	F/N
75-2656-2657	Scissor assy-landing gear, 2 required	N-S
AG-108B	Bushing kit for 75-2656, 2657 scissor assy, 2 required	FAA-PMA
AG75-2658	Bushing -torque link, 2 required per scissor assy	FAA-PMA
AG75-2659	Bushing-male torque link, 1 required per scissor assy	FAA-PMA
AG75-2663	Spacer-torque link 3/8" bolt, 1 req. per scissor assy	FAA-PMA
AG75-2664	Spacer-torque link 1/2" bolt 2 req. per scissor assy	FAA-PMA

BENDIX LANDING GEAR COMPONENT PARTS continued

Figure 25

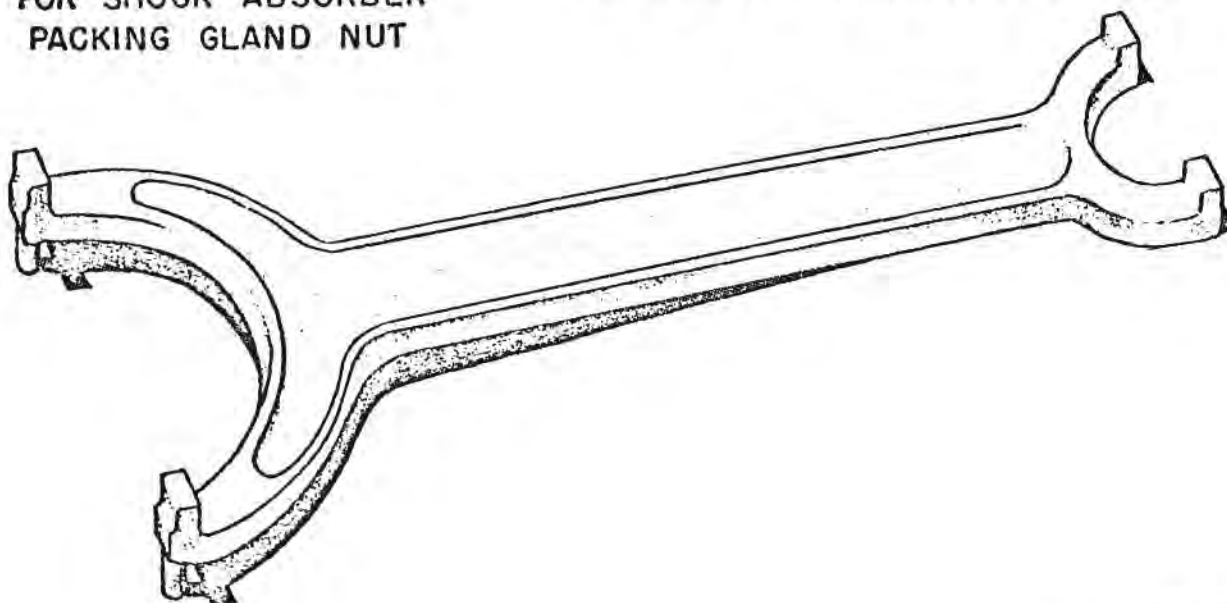
Part No.	Description	Cond.
AG75-2668	Bushing-female torque link, 2 required per scissor assy	FAA-PMA
75-2669	Bushing-yoke on l.gear leg, piston tube, 4 required	N-S
75-2665	Wrench-landing gear & tail oleo nut-Bendix	N-S
75-2677	Bendix landing gear oleo packing kit-contains 10 ea. 75-2653, 1 ea. 39B223-10-222, 1 ea. 39B226-10-22	F/N
75-2661	Spring-l.g. oleo	N-S
75-2662	Lock ring-packing nut	F/N
	<u>SPECIAL TOOLS</u>	

SPANNER WRENCH

75-2665

FOR SHOCK ABSORBER
PACKING GLAND NUT

ONE OF EACH TOOL FURNISHED WITH EACH
AIRPLANE-TO BE KEPT IN BAGGAGE COMPT.



WRENCH
SK-211

WING COMPRESSION STRUT



Figure 26

Special Tools, Model N2S-4, PT-17

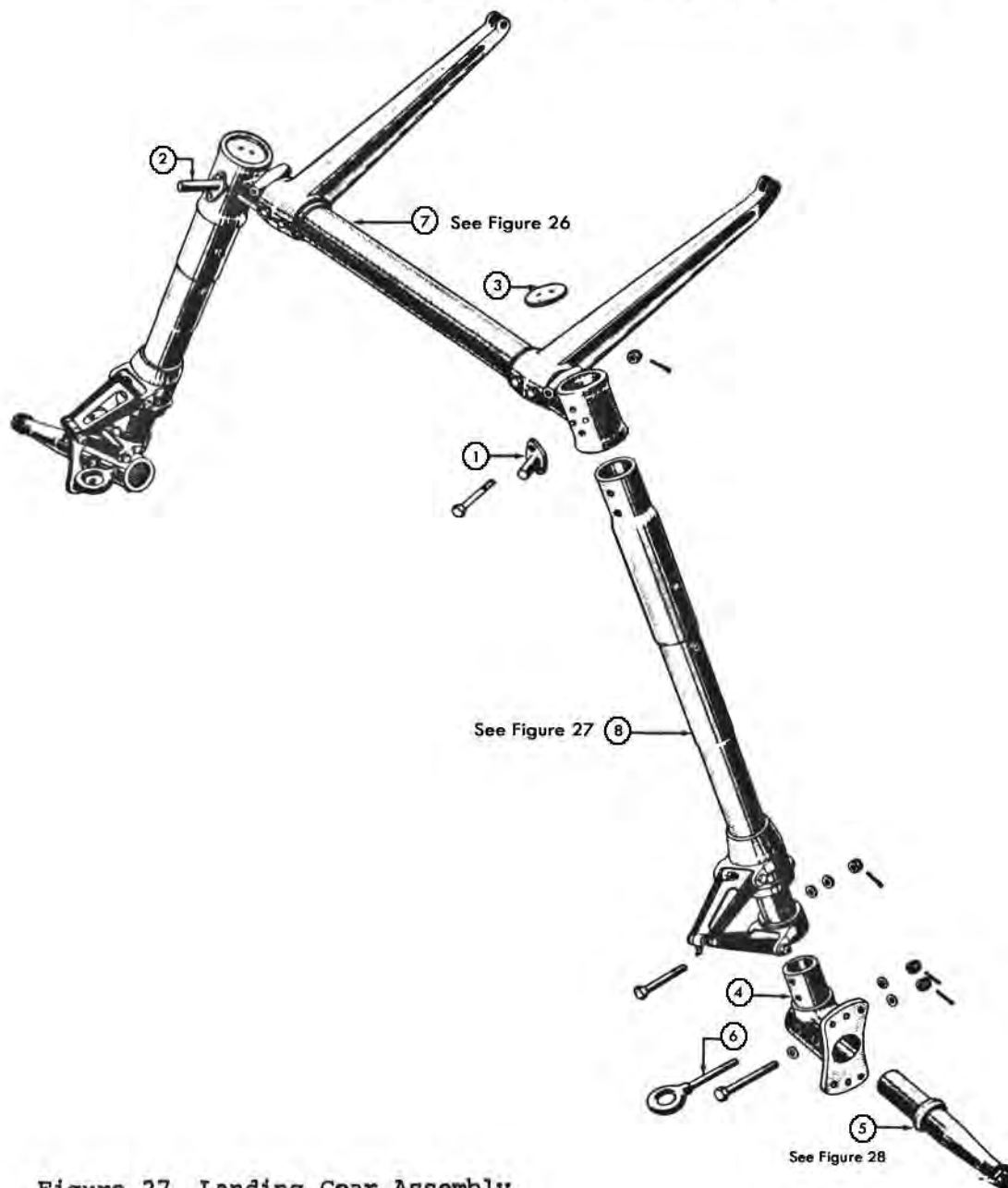


Figure 27 Landing Gear Assembly

Index	No.	Part No.	Description	Cond.
		E75N1-2601	Landing gear assy-Haliburton (short)	Recond.
	1	75-2607	Step assy, lh, Bendix & Haliburton	N-S
	2	75-2607-1	Step assy, rh, Bendix & Haliburton	N-S
		AN6-43	Bolt-75-2607 & 2607-1 attach, 4 required	F/N
		AN310-6	Nut- 75-2607 & 2607-1 attach, 4 required	F/N
		AN960-616	Washer-75-2607 & 2607-1 attach, 4 required	F/N
		AN380-3-3	Cotter pin-2607 & 2607-1 attach, 4 required	F/N
	3	75-2608	Plug-sponson knuckle closing	N-S
	4	75-2609	Knuckle-axle, Bendix & Haliburton	N-S
		AN6-32	Bolt-75-2609 knuckle attach, 4 required	F/N
		AN310-6	Nut- 75-2609 knuckle attach, 4 required	F/N

HALIBURTON LANDING GEAR ASSY (SHORT PT-13, N2S-5 continued)

Figure 27

Index

No.	Part No.	Description	Cond.
	AN960-616	Washer-75-2609 knuckle attach, 4 required	F/N
	AN380-3-3	Cotter pin, 75-2609 knuckle attach, 4 required	F/N
5	75-2610	Axle assy-stub, Bendix & Haliburton	N-S
6	75-2626	Eye-towing, Bendix & Haliburton	N-P
7	75-2622	Sponson assy-Bendix & Haliburton	
8	E75N1-2643	Strut assy-landing gear shock less scissors & knuckle	Recond.

AXLE ASSEMBLY

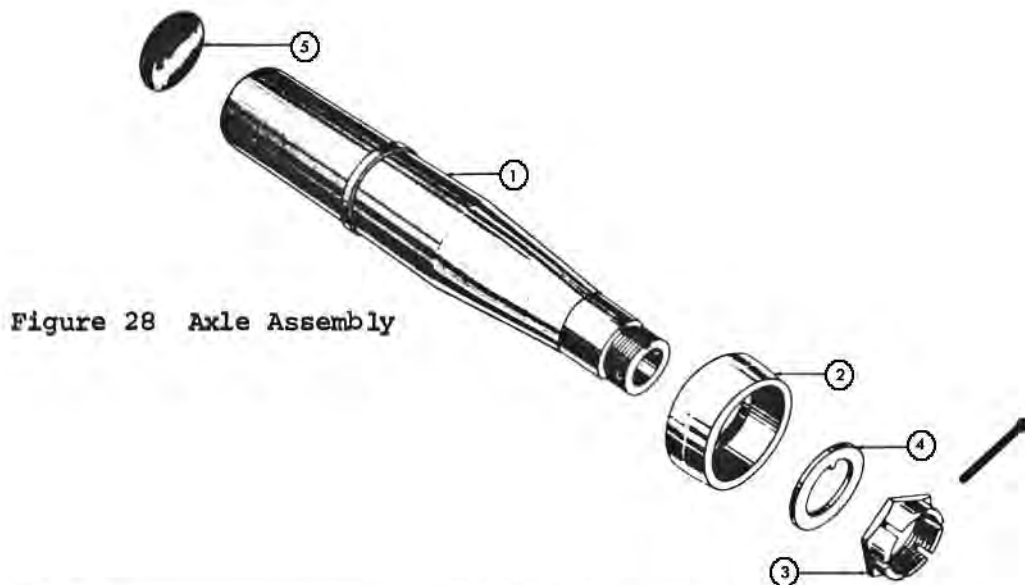


Figure 28 Axle Assembly

Index

No.	Part No.	Description	Cond.
1	75-2610	Axle assy-stub	N-S
2	34A15-2	Collar-landing gear axle	N-S
3	32A510-1	Nut-landing gear axle	N-S
4	32A509-1	Washer-landing gear axle	N-S
5	75-2627	Plug-stub axle	N-S
	AN380-4-8	Cotter pin-axle nut	F/N

LANDING GEAR SPONSON ASSEMBLY & COMPONENT PARTS

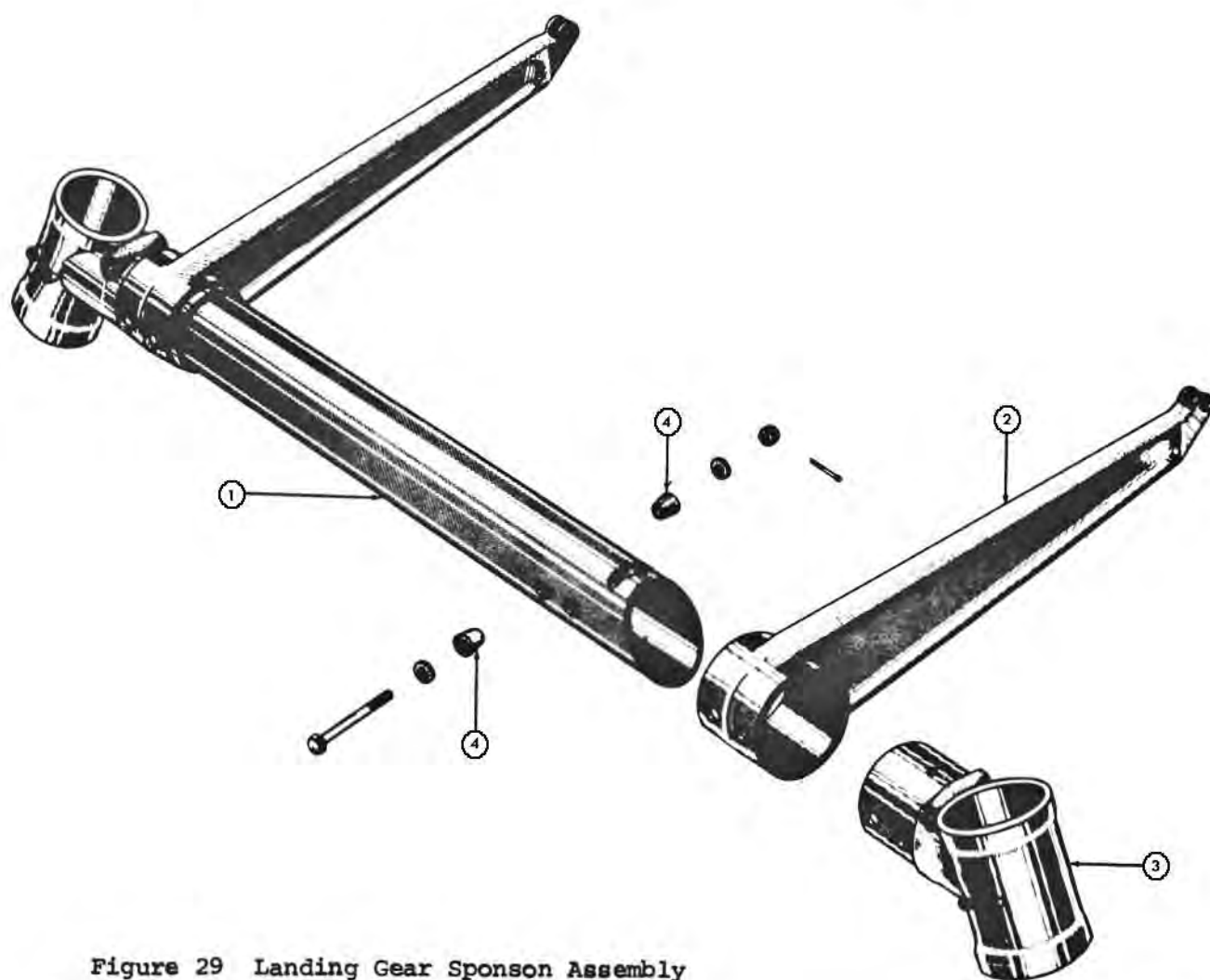


Figure 29 Landing Gear Sponson Assembly

Index No.	Part No.	Description	Cond.
1	75-2624	Tube-bolted type sponson	Recond.
2	75-2623	Arm-bolted type sponson torque lh	Recond.
2	75-2623-1	Arm-bolted type sponson torque rh	Recond.
3	75-2619	Knuckle	
4	75-2625	Bushing-bolted type sponson, 8 required	N-S
	AN6-50	Bolt, 4 required	F/N
	AN310-6	Nut, 4 required	F/N
	AN380-3-3	Cotter pin, 4 required	F/N
	AN960-616	Washer, 8 required	F/N

LANDING GEAR SHOCK STRUT ASSEMBLY-HALIBURTON

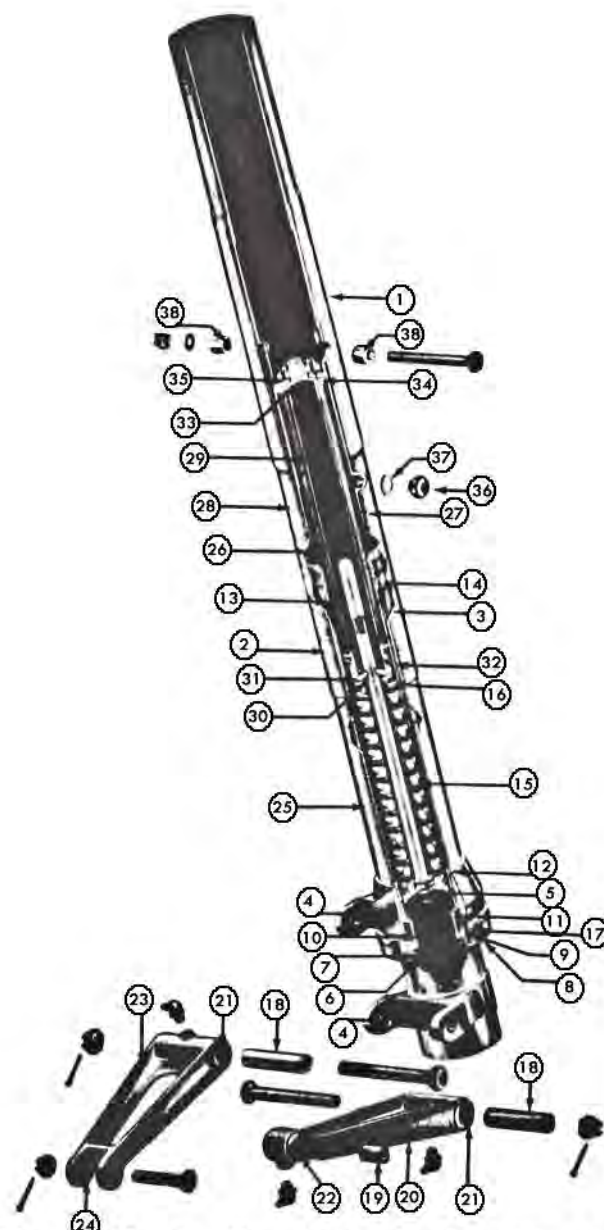


Figure 30 Landing Gear Shock Strut Assy-Haliburton

Index No.	Part No.	Description	Cond.
1, 2 & 3	E75N1-2643	Strut assy-landing gear shock, less scissors, knuckle & axle	Recond.
1	E75N1-2622	Cylinder-shock strut upper	
2	E75N1-2602	Shock absorber assy-scissor type, spring	
3	E75N1-2607	Piston tube assy-outer shock strut piston	
4	AGE75N1-2631	Bushing-flanged yoke	FAA-PMA
5	E75N1-2644	Gasket-shock strut metering pin	N-S
	AN960-1016	Washer-metering pin	F/N
	E75N1-2645	Pin-shock strut metering	N-S
	AN364-1018	Nut-metering pin	F/N
6 & 10	AN6228-37	Packing-V ring, 10 required per airplane	F/N

LANDING GEAR SHOCK STRUT ASSEMBLY-HALIBURTON continued

Figure 30

Index

No.	Part No.	Description	Cond.
6 & 10	AG-107	Haliburton chevron packing kit, 1 required	F/N
7	E75N1-2619	Housing-shock strut ring-wiper	N-S
8	E75N1-2620	Nut-packing, flanged	N-S
9	AN6225-37	Adapter-"V" chevron packing-female	F/N
11	AN6229-37	Adapter-"V" chevron packing-male	F/N
12	E75N1-2621	Bearing-shock strut lower cylinder	N-S
	E75N1-2625	Cylinder-shock strut stop	N-S
13	E75N1-2610	Bearing-shock strut outer piston	N-S
14	E75N1-2611	Pin-flat head (E75N1-2610 bearing)	F/N
15	E75N1-2624	Spring-shock strut compression	N-S
16	E75N1-2623	Washer-shock strut spring seat	N-S
17	E75N1-2634	Ring-lock (E75N1-2620 nut)	N-P
18	E75N1-2633	Spacer-landing gear scissor-1/2" bolt (2 required per scissor assy)	N-P
19	E75N1-2632	Spacer-landing gear scissor-3/8" bolt (1 required per scissor assy)	N-P
20 & 23	E75N1-2626-2629	Scissor assy-landing gear, 2 required	Recond.
21	E75N1-2627	Bushing-scissor torque link, flanged, 4 required	N-P
22	E75N1-2628	Bushing-male scissor torque link, flanged, 2 req.	N-P
24	E75N1-2630	Bushing-female scissor torque link, flanged, 2 req.	N-P
18,19 21,22			
& 24	DS-108H Attach hdw.	Bushing kit-Haliburton l.g. scissor assy, 2 req. Landing gear scissor (per scissor assy) 2 ea. AN8-40, 2 ea. AN310-8, 2 ea. AN380-3-3 1 ea. AN6-22, 1 ea. AN310-6, 1 ea. AN380-3-3	N-P
25,26,27	E75N1-2640	Cylinder assy-lower strut tube-inner piston	F/N
28	E75N1-2603	Cylinder assy-shock strut (outer leg)	Recond.
29	E75N1-2612	Piston assy-shock strut inner orifice	Recond.
	E75N1-2636	Tube assy-inner piston	Recond.
30	E75N1-2617	Insert-piston	Recond.
31	E75N1-2616	Piston-shock strut inner	Recond.
32	E75N1-2615	Screw-inner piston link, 2 required	N-S
33	AN900-10	Gasket-copper-asbestos	F/N
34	AN393-13	Pin-clevis, 2 required	F/N
	AN365-1018	Nut, 1 required	F/N
35	E75N1-2646	Washer, 1 required	N-S
36	905-8	Plug-hex head, filler, 2 required	F/N
37	AN900-8	Gasket-filler plug, 2 required	F/N
38	75-2625	Bushing-bolted type sponson, 2 required	N-S
	AN6-42	Bolt -bolted type sponson, 1 required per leg	F/N
	AN960-616	Washer-bolted type sponson, 1 required per leg	F/N
	AN310-6	Nut-bolted type sponson, 1 required per leg	F/N

TAILWHEEL ASSEMBLY PARTS-STEERABLE

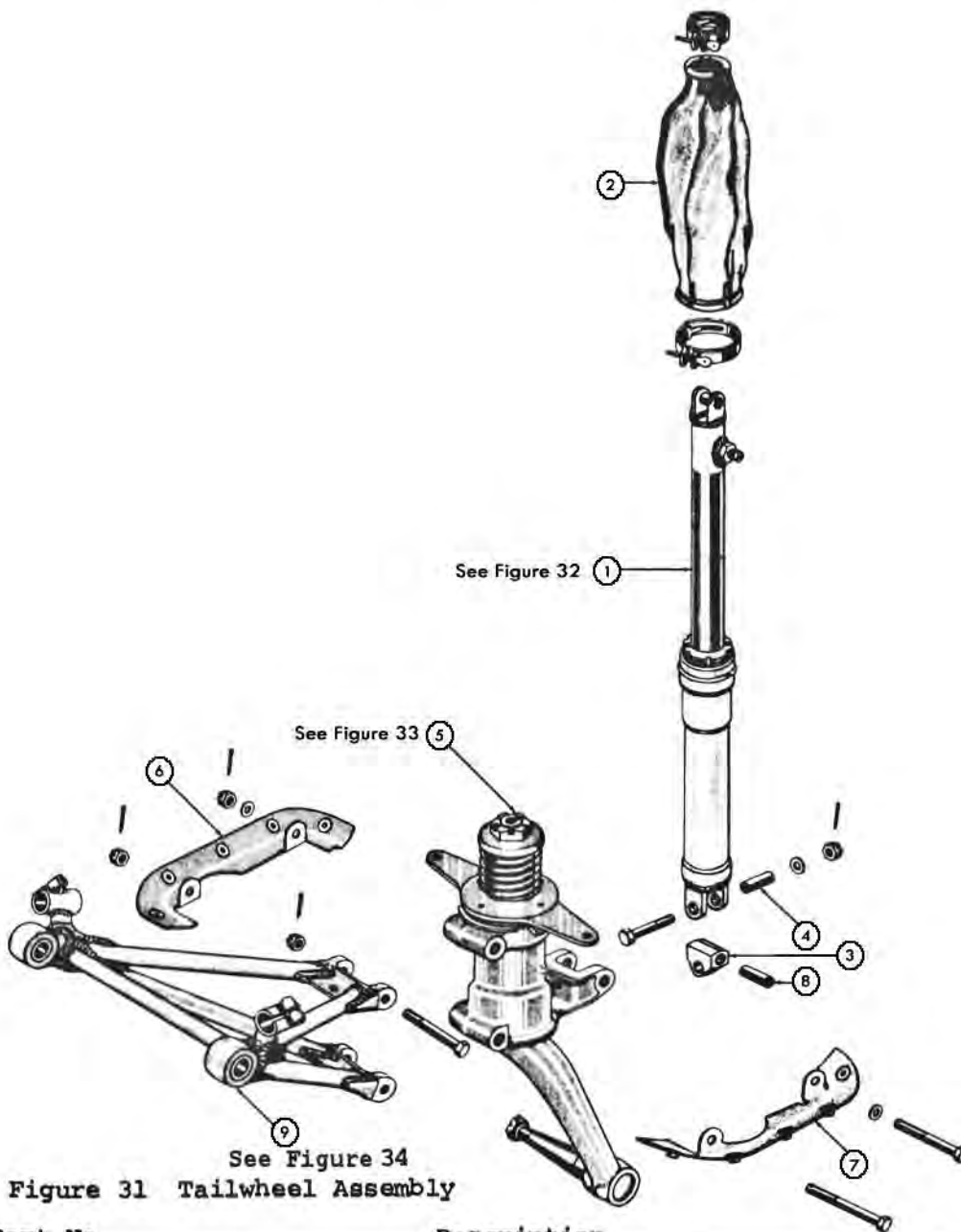


Figure 31 Tailwheel Assembly	
Index No.	Part No.

1	75-2702	Tail strut assy-original	Recond.
2	75-2708	Boot assy-tailwheel shock strut	N-S
3	75-2715	Block-universal tailwheel shock strut	N-S
4	AG75-2702M4	Bushing-tailwheel shock strut, upper & lower, 2 req.	FAA-PMA
	AN5-14	Bolt-lower tail strut to 75-2715	F/N
	AN5-26	Bolt-lower tail strut to AG75-2703	F/N
	AN960-516	Washer-lower tail strut to AG75-2703	F/N
	AN310-5	Nut-lower tail strut to AG75-2703	F/N
	AN380-2-2	Cotter pin-lower tail strut to AG75-2703	F/N
5	75-2742	Tailpost assy-steerable	N-P
6	75-2349-1	Bracket, rh-tailwheel boot	N-P
7	75-2349-2	Bracket, lh-tailwheel boot	N-P
	Attach hdw.	2 ea. AN5-26, 2 ea. AN310-5 & 4 ea. AN960-516	F/N

TAILWHEEL SHOCK ABSORBER ASSEMBLY COMPONENT PARTS

Figure 32

Index

No.	Part No.	Description	Cond.
1	75-2722	Pin-metering, tailwheel shock absorber	N-S
2	75-2723	Valve-recoil	Recond.
3	75-2724	Ring-lock	N-S
4	75-2726	Nut assy-bearing	N-S
4	75-2726	Nut assy-bearing, o-ring type	F/N
5	75-2730	Head-piston	N-S
6	75-2745M	Packing assy-tail oleo, consists of 4 ea. 40B629-12-108, 1 ea. 39B223-12-108 & 1 ea. 42B498-12-108-028	F/N
6	75-2745	Chevron kit-tail oleo, 4 ea. AG75-2738 chevrons	F/N
7	75-2731	Chevron "V" ring-tail strut packing, 4 required	F/N
7	75-2702-S	"O" ring type B seal kit-tail strut	F/N
8	1124	Lock washer	F/N
9	75-2733	Tube assy-cylinder	Recond.
	75-2734	Instruction plate-shock strut	F/N
10	75-2739	Screw-lock	N-S
11	75-2732	Tube assy-piston	Recond.
12	AG75-2702-M4	Bushing-tail strut upper	FAA-PMA
13	AN812-1	Body-high pressure air valve	F/N
14	AN813-1	Cap- high pressure air valve	F/N
15	AN809-1	Core-high pressure air valve	F/N
16	AN901-5C	Gasket-metal tube connecting seal	F/N

NEW TYPE TAIL STRUT FOR STOCK STEARMAN

FAA-PMA APPROVED STANDARD CATEGORY

Figure 32A



Part No. AG75-2702-M

Revolutionary new strut SPECIFICALLY designed and engineered for the Stearman Ag Airplane. Provides soft rides empty or fully loaded. The chrome vanadium steel spring used in this strut was designed by aeronautical engineers and is far superior to any offered previously or on the market today.

Over 300 of these new tail struts are now in use and each has been sold on a 10 day money back guarantee. We have had no returns, but if you are not entirely satisfied your money will be gladly refunded.

Can be installed with no changes or modifications whatsoever to your plane.

AG75-2702-MH with Heavy Spring



OUTER CYLINDER
AG75-2702-M2



SPRING
AG75-2702-M1



INNER PISTON TUBE
AG75-2702-M10

AG75-2702-M1H
SPRING - Heavy Duty
R-1340 Stearman

AG75-2702-M7
PLUNGER ASSY-Complete
with Brass Nut



75-2702-6
SPANNER WRENCH
to remove & install
brass retaining nut



AG75-2702-M8
BRASS RETAINING NUT



AG75-2702-M4
BRASS BUSHING



AG75-2702-M11
STEEL BUSHING
on inner
piston tube

TAILWHEEL POST ASSEMBLY COMPONENT PARTS

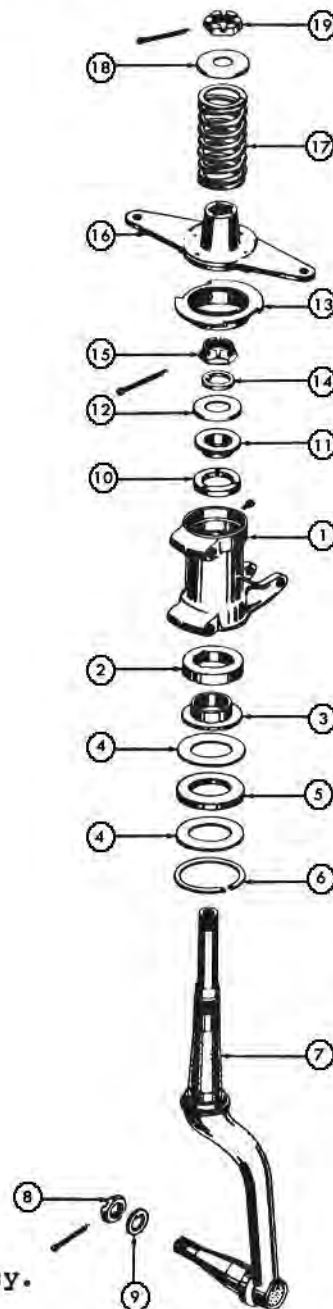


Figure 33
Tailwheel Post Assy.

Index	Part No.	Description	Cond.
1	AG75-2703	Tail post casting-tailwheel knuckle	FAA-PMA
	AGS-227-120S	Replacement bushing, long-tail post casting, 2 req.	FAA-PMA
	AGS-227-38S	Replacement bushing, short-tail post casting, 2 req.	FAA-PMA
2	AG75-2711	Bearing-friction, tailwheel spindle lower	FAA-PMA
3	AG75-2711-1	Plate-thrust friction	FAA-PMA
4	107-S-7	Washer-felt retainer, 2 required	N-P
5	108-S-9	Washer-felt	N-P
6	109-S-7	Ring-snap, felt washer retainer	N-P
7	57593	Knuckle-tailwheel	N-S
7	57593	Knuckle-tailwheel	Recond.
8	AN320-10	Nut-shear, tailwheel axle	F/N
9	110-S-9	Washer-tailwheel axle	N-P

TAILWHEEL POST ASSEMBLY COMPONENT PARTS continued

Figure 33

Index

No.	Part No.	Description	Cond.
	AN380-4-5	Cotter pin, tailwheel axle nut	F/N
10	A75N1-4511-1	Bearing-tailwheel spindle upper	F/N
11	A75N1-4511-2	Race-tailwheel spindle upper	F/N
12	51533	Cup-grease retainer	N-P
13	AG55184	Support-steerable mast	FAA-PMA
	AN502-10-4	Screw-drilled head, AG55184 support attach, 3 req.	F/N
14	110-S-7	Washer-upper bearing retainer	FAA-PMA
15	111-S-8	Nut-upper bearing retainer	N-S
	AN380-4-6	Cotter pin - 111-S-8 nut	F/N
16	AG52901	Mast assy-steerable	FAA-PMA
	AG52901-1	Replacement friction plate for AG52901	FAA-PMA
17	52903	Spring-tailwheel post	N-P
18	51489	Washer cup-spring retainer	N-P
19	AN320-12	Nut-shear, 52903 spring retainer	N-P
	AN380-4-6	Cotter pin-AN320-12 nut	F/N
20	AG-114	Spline shaft-steerable	FAA-PMA
	AG-114P	Lock pin for AG-114 shaft	N-P

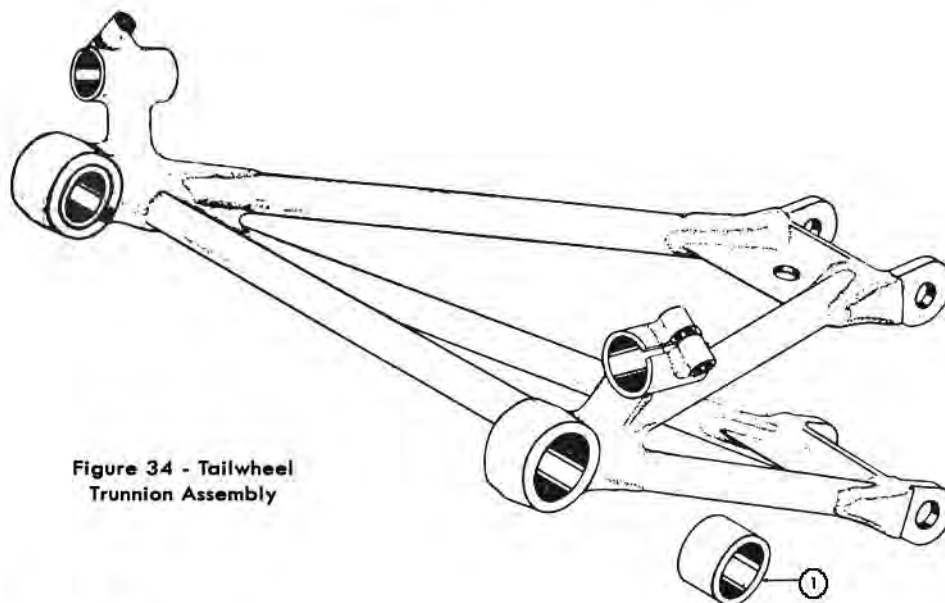
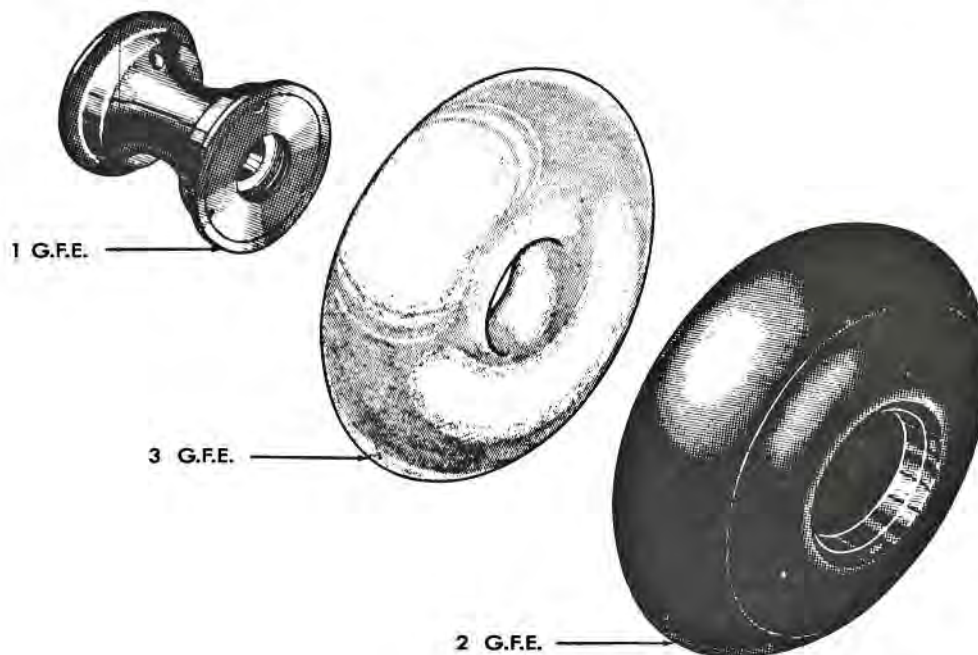


Figure 34 - Tailwheel Trunion Assembly



LOCKING TAILWHEEL PARTS

DS75-2700-Y3

TAILWHEEL LOCKING TYPE INSTALLATION KIT COMPLETE

All parts to change steerable type tailwheel to locking type
All control installation parts in cockpit complete to locking plunger

Part No.	Description	Cond.
B75-2703	Rod assy-cockpit	N-S
75-2709	Forging, locking tailwheel cone top	N-S
B75-2709	Spool, locking tailwheel bungee	N-S
B75-2711	Pin, locking plunger	Serv.
B75-2712	Spring, locking tailwheel plunger pin	N-S

TAILWHEEL ASSEMBLY & PARTS
 LOCKING TAILWHEEL PARTS continued
 Figure 34

Part No.	Description	Cond.
B75-2713	Bushing, locking tailwheel	N-S
B75-2715	Swivel, locking tailwheel pulley	N-S
B75-2717	Crank assy, locking tailwheel shaft	N-S
B75-2719	Bracket, locking tailwheel fairlead	N-S
B75-2720	Bearing, shaft locking tailwheel	N-S
B75-2723	Casting, locking plunger assy	Serv.
B75-2724	Locking plunger assy	Serv.
B75-2725	Placard	N-S
B75-2726	Bracket, locking tailwheel pulley	N-S
B75-2728	Split bungee,	N-S
B75-2729	Sleeve-bungee	N-S
B75-2730	Bracket, tailwheel fairlead	N-S
B75-2731	Stop assy, locking tailwheel control	N-S
B75-2733	Bearing assy, locking tailwheel	N-S
B75-2737	Spring	N-S
B75-2740	Block, formica	N-S
B75-2778	Rod end, locking plunger	N-S
S-119	Fairlead, locking tailwheel cable	N-S
57482	Drum, locking tailwheel-top,	N-S
AN214-1	Pulley, locking tailwheel cable	N-S
B75-2749	Tailwheel locking cable, stainless steel	N-S
DS-115	Spline shaft extension, short-locking	N-S

TAILWHEEL TRUNION, TIRE, TUBE & WHEEL

Figure 34

Part No.	Description	Cond.
AG75-2704	Trunion assy-tailwheel	FAA-PMA
AGS-131-4	Bushing-oiless, 2 required	FAA-PMA
AG75-2717	Bushing-steel, 2 required	FAA-PMA
10.00 (41-9000)	Wheel assy-tailwheel, complete with bearings & seals	N-S
10.00 (41-9001)	Tire, smooth contour nylon	F/N
10.00 (41-9003)	Tube	F/N
10.00 (41-9003)	Tube	N-S


 AG55184
 SUPPORT - Stearable Mast
 FFA-PMA


 73-2705
 SPRING - Stearable Cable
 N-P


 63646
 GARLOCK TYPE SEAL
 For Inner 10:00
 Large Tail Wheel Bearing

TAILWHEEL ASSEMBLY & PARTS continued

AG75-2704
TRUNION ASSEMBLY
Complete with Bushings
FAA-PMA Approved



DS-109
Trunion & Tail Strut
7 Bushings to Kit



BUSHING KITS - TRUNIONS & TAIL STRUTS
AGS-131-4 Trunion Oilite Bushing
2 required -
AG75-2717 Trunion Steel Bushing
2 required -

DS-110
Trunion, Tail Strut
& Tail Post Casting
11 Bushings to Kit

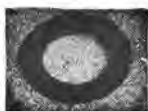
AG75-2703 New Production
TAIL POST CASTING
Heavy Duty with Bolt Bushing
FAA-PMA Approved

DS-111
BUSHING KIT
Tail Post Casting
4 Bushings to Kit



AG52901
MAST ASSEMBLY-Complete with Friction Plate
No Exchange Required
FAA-PMA Approved

AG52901-1
FRICTION PLATE FOR MAST
New Production



AG-114
STEARABLE SPLINE SHAFT
New Production - 4130 Steel H. T.
FAA-PMA Approved

114P Lock Pin for Spline Shaft



AG73-2711 New Production
BRONZE FRICTION BEARING
Lower Tail Post Casting
FAA-PMA



AG73-2711-1
FAA-PMA
STEEL COLLAR
Friction Bearing

STEARMAN AIRFRAME PARTS

NEW AGRO TAIL STRUT

FAA - PMA APPROVED



Revolutionary new strut SPECIFICALLY designed and engineered for the Stearman. Provides soft rides empty or fully loaded. The chrome vanadium steel spring used in this strut was designed by aeronautical engineers and is far superior to any offered previously or on the market today.

Over 300 of these new tail struts are now in use and each has been sold on a 10 day money back guarantee. We have had no returns, but if you are not entirely satisfied your money will be gladly refunded.

Can be installed with no changes or modifications whatsoever to your plane.

Part No. AG75-2702-M

AG75-2702-MH with Heavy Spring



OUTER CYLINDER
AG75-2702-M2



SPRING
AG75-2702-M1



INNER PISTON TUBE
AG75-2702-M10

AG75-2702-M1H
SPRING - Heavy Duty
R-1340 Stearman

AG75-2702-M7
PLUNGER ASSY-Complete
with Brass Nut



75-2702-6
SPANNER WRENCH
to remove & install
brass retaining nut



AG75-2702-M8
BRASS RETAINING NUT



AG75-2702-M4
BRASS BUSHING



AG75-2702-M11
STEEL BUSHING
on inner
piston tube

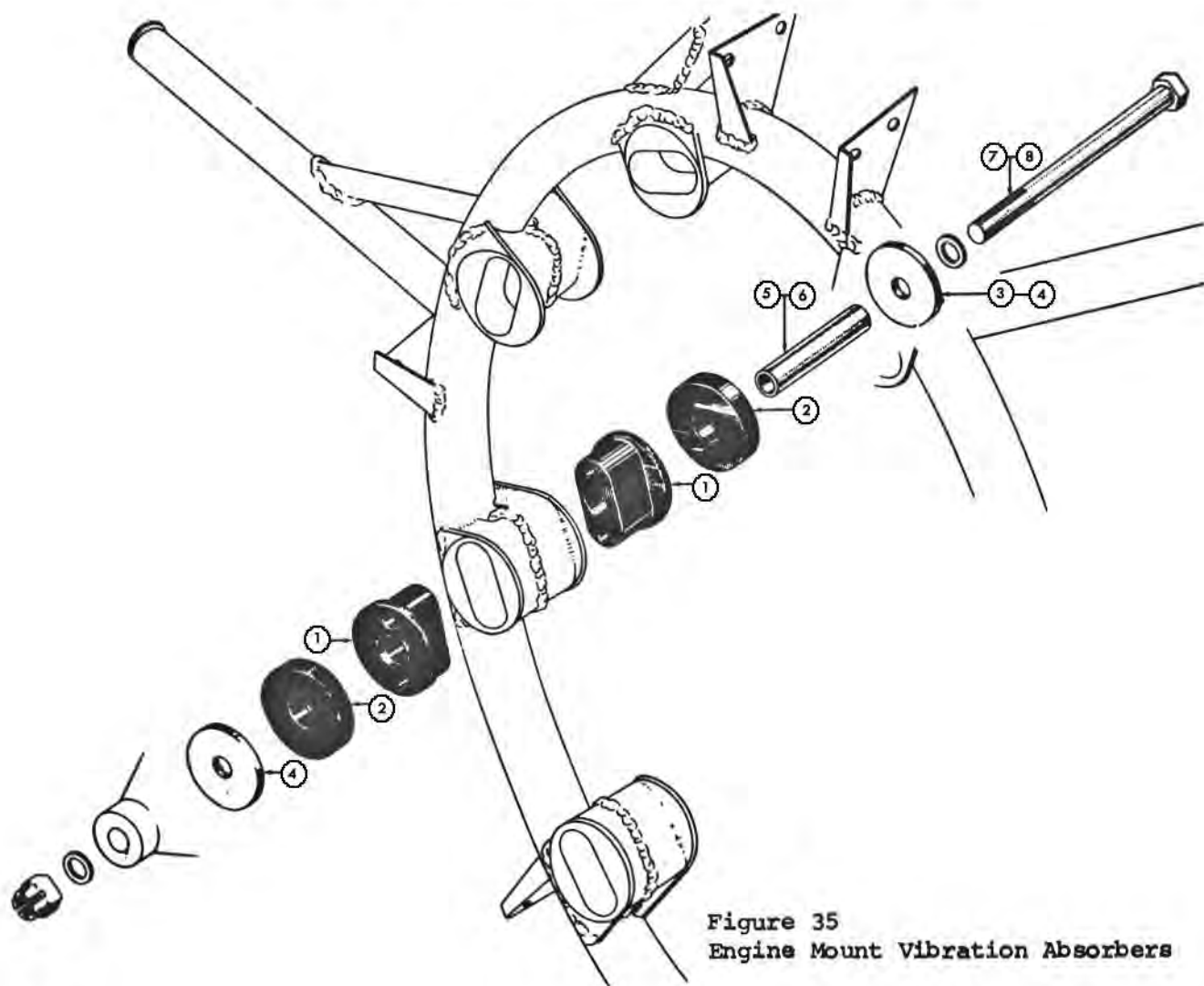


Figure 35
Engine Mount Vibration Absorbers

Index No.	Part No.	Description	Cond.
1	S-125-75	Absorber-engine mount vibration, 16 required	N-P
2	S-126-1-75	Washer-rubber, 16 required	N-P
3	S-136-2D	Washer-aluminum, cut one side, 2 required	N-P
4	S-136-1D	Washer-aluminum, 14 required	N-P
5 & 6	S-266-136-25D	Spacer-engine mounting lug, 8 required	N-P
7	AN6-37	Bolt-engine attach, 6 required	F/N
8	AN6-35	Bolt-engine attach, 2 required	F/N
	AN960-616	Washer-plain, 16 required	F/N
	AN310-6	Nut-castle, 8 required	F/N
	AN380-3-3	Cotter pin, 8 required	F/N
	DS-122	Engine mount absorbers, rubber & alum. washer kit	N-P
	DS-122-ML	Engine to mount installation kit, has all AG-122 plus 8 ea. S-266-136-25D, 6 ea. AN6-37, 2 ea. AN6-35, 8 ea. AN310-6, 16 ea. AN960-616 & 8 ea. AN380-3-3	N-P
	DS-123	Engine mount absorbers only kit, has 16 ea. AGS-126-75	
	DS-124	Engine mount absorbers & rubber washers kit, has 16 ea. S-125-75, 16 ea. S-126-75,	N-P
	DS-680-BS	Engine mount bolt, nut & washer set, R-680	F/N

ENGINE NOSE COWL ASSEMBLY PT-13 & N2S-5

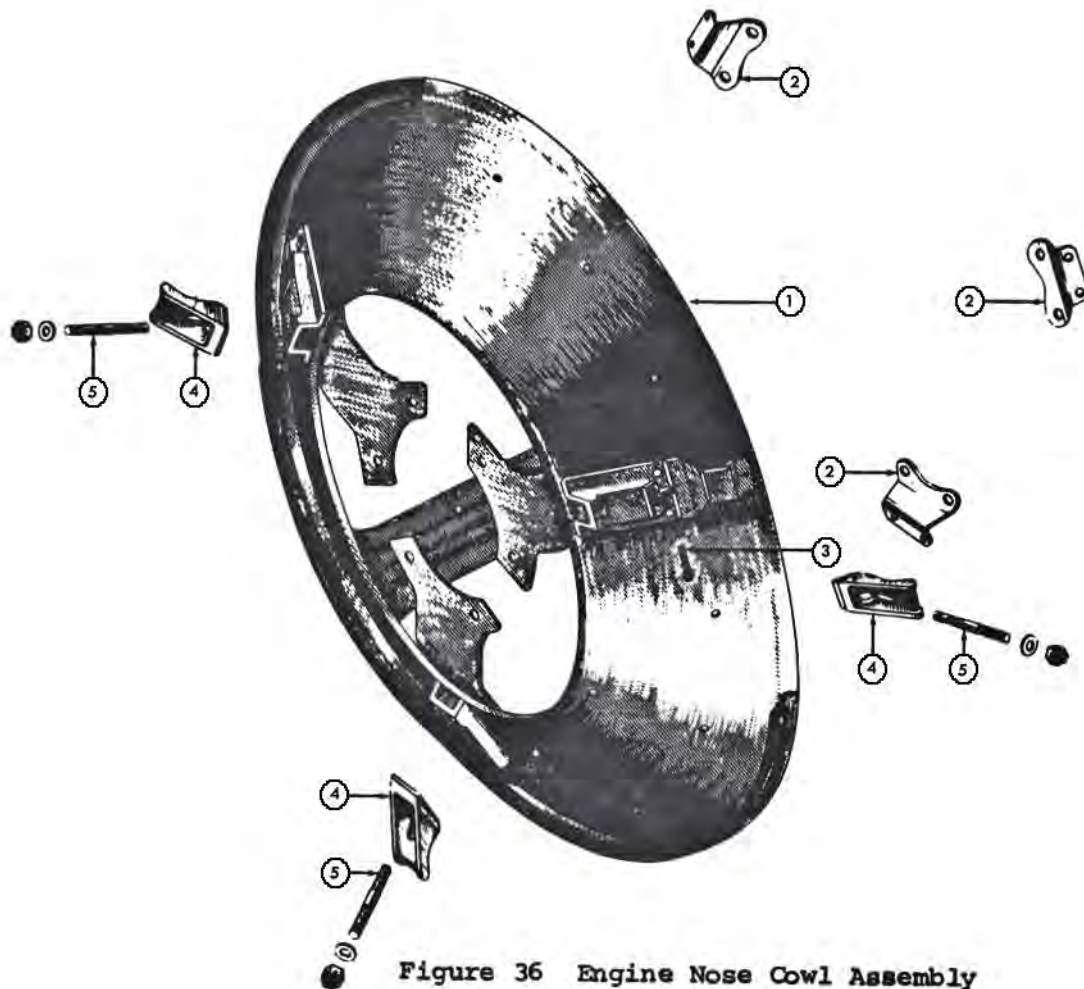


Figure 36 Engine Nose Cowl Assembly

Index No.	Part No.	Description	Cond.
1	75-2438	Cowl assy-R-680 nose	N-S
1	75-2438	Cowl assy-R-680 nose	Recond.
2	75-2440	Bracket-nose cowl mount support, 3 required	N-S
3	75-2442	Bolt-1/4"-28 hex head drilled, 6 required	F/N
	Attach hdw.	6 ea. AN315-5R, 6 ea. AN356-524	
4	E75N1-2804	Clamp-exhaust ring, 3 required	N-S
5	E75N1-2406	Stud, 3 required	F/N
	Attach hdw.	3 ea. AN355-5, 3 ea. AN960-516	F/N

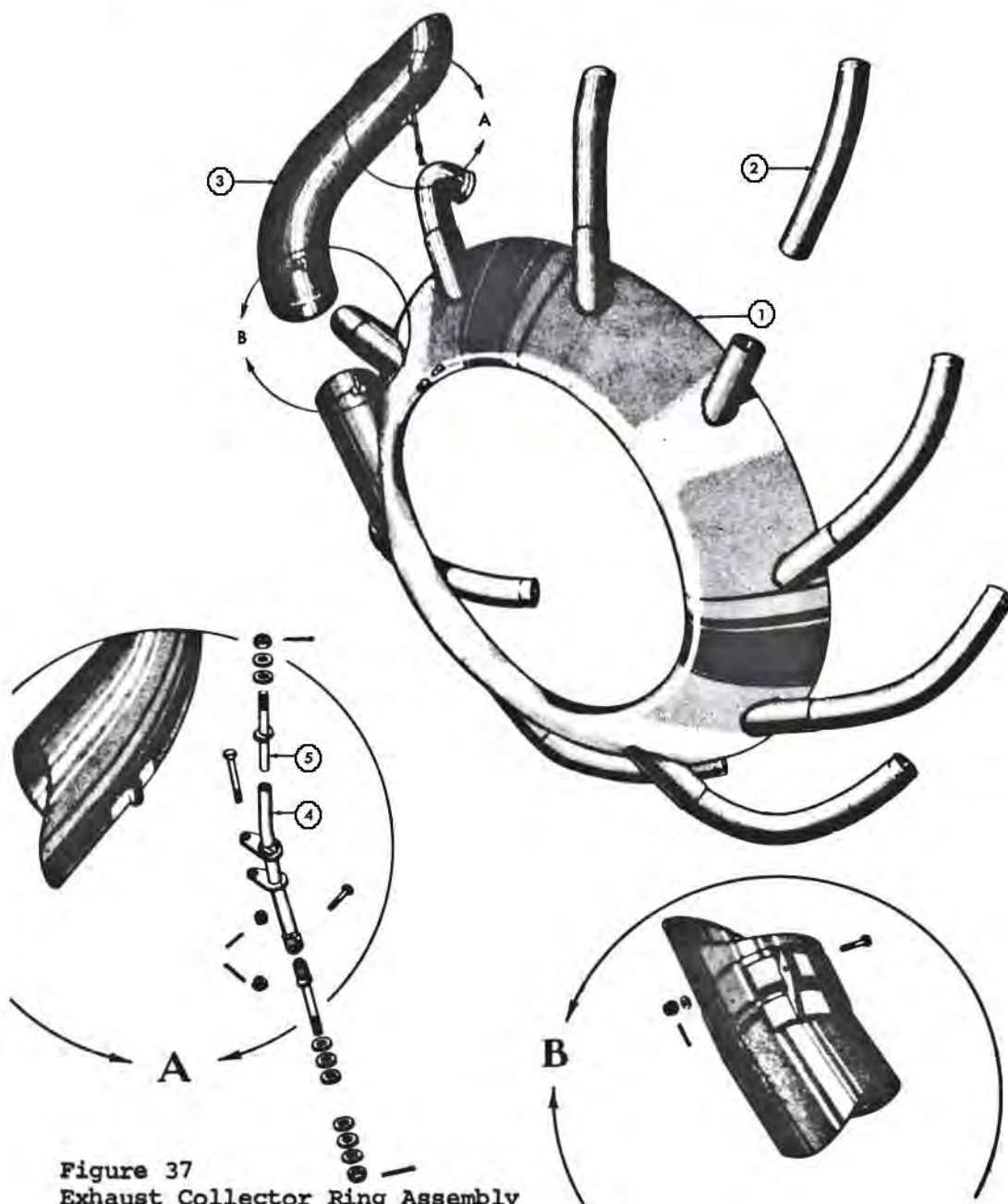


Figure 37
Exhaust Collector Ring Assembly

Index		Description	Cnd.
No.	Part No.		
	75-2861	Ring assy-complete-exhaust collector	N-S
	75-2861	Ring assy-complete-exhaust collector	Recond.
1	75-2861-1	Ring assy-exhaust	N-S
1	75-2861-1	Ring assy-exhaust	Recond.
2	75-2861-15	Pipe-cylinder exhaust, 9 required	N-S
2	75-2861-15	Pipe-cylinder exhaust, 9 required	Recond.
3	75-2861-10	Tailpipe assembly	N-S
3	75-2861-10	Tailpipe assy	Recond.
	Exh attach hdw.	1 ea. AN3-5, 1 ea. AN4-13, 1 ea. AN310-3, 1 ea. AN310-4 1 ea. AN960-10, 2 ea. AN380-2-2	F/N
4	75-2858-2	Support assy-exhaust collector tailpipe	N-S
5	75-2858-1	Fitting-exhaust collector support	N-S
	Attach hdw.	1 ea. AN43-12, 1 ea. AN3-5, 1 ea. AN310-3, 1 ea. AN310-4 8 ea. AN960-10, 2 ea. AN960-416, 3 ea. AN380-2-2	F/N

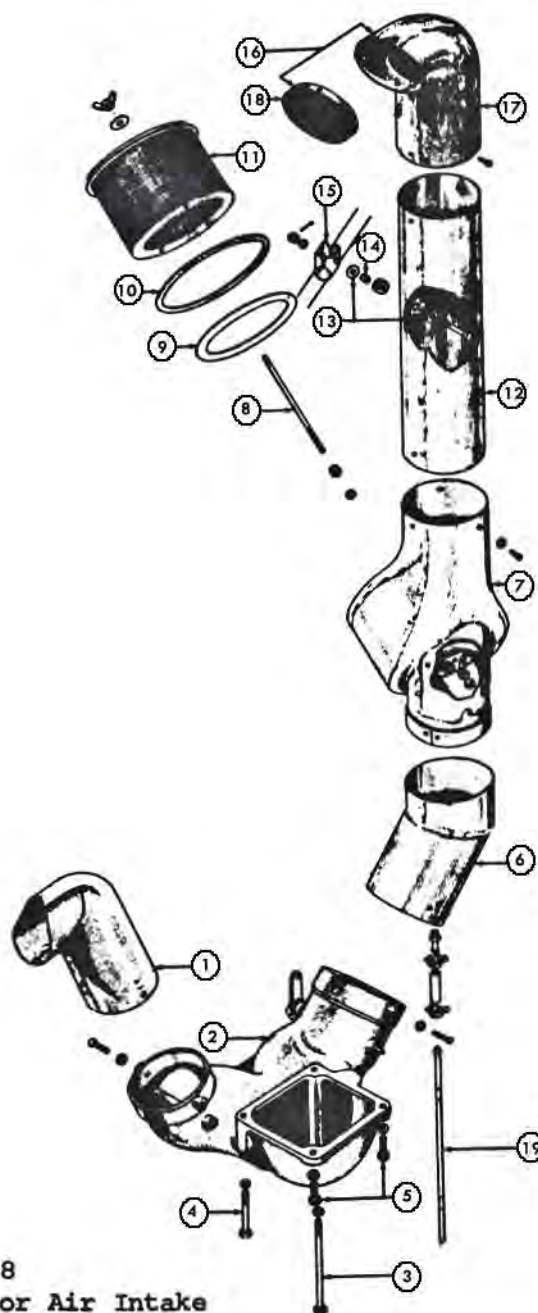


Figure 38
Carburetor Air Intake
System

Index No.	Part No.	Description	Cond.
1	E75N1-2802	Pipe assy-air intake connection R-680	Recond.
1	E75N1-2802	Pipe assy-air intake connection R-680	N-S
	Attach hdw.	2 ea. AN500A416-14, 2 ea. AN960-416	F/N
1	E75N1-2806	Duct assy-hot air intake, R-670	N-S
2	1509FA	Housing assy-carburetor air control, R-680	N-S
	Attach hdw.	4 ea. AN960-516	F/N
2	A75N1-2801	Housing assy-carburetor air control, R-670	Recond.
	5122	Horn-carburetor air elbow, R-670	N-S
	A75N1-2811	Clamp half-A75N1-2801 support, R-670	N-S
	A75N1-2815	Clamp half-A75N1-2801 support, R-670	N-S

CARBURETOR AIR INTAKE SYSTEM, R-670, PT-17, N2S-4, R-680, PT-13, N2S-5 continued

Figure 38

Index

No.	Part No.	Description	Cond.
	A75N1-2817	Support assy-A75N1-2801 support, R-670	N-S
	A75N1-2835	Rubber sleeve-A75N1-2801, R-670	N-S
3	75-2863	Cap screw-1509FA attach long, 1 required, R-680	F/N
4	75-2864	Cap screw-1509FA attach medium, 1 required, R-680	F/N
5	75-2865	Cap screw-1509FA attach short, 2 required, R-680	F/N
6	75-2873	Tube assy-lower cold air intake, R-670, R-680	N-S
6	75-2873	Tube assy-lower cold air intake, R-670, R-680	Recond.
	Attach hdw.	2 ea. AN501A416-16, 2 ea. AN960-416	F/N
7	75-2871	Housing assy-carburetor intake air cleaner, R-670, R-680	N-S
7	75-2871	Housing assy-carburetor intake air cleaner, R-670, R-680	Recond.
8	75-2882	Bolt-airmaize stay, R-670, R-680	F/N
	Attach hdw.	1 ea. AN316-4, 2 ea. AN960-416, 1 ea. AN365-1032A	F/N
9	75-2887	Pad-airmaize, R-670, R-680	F/N
10	75-2874	Gasket-airmaize, R-670, R-680	F/N
11	5AWA	Airmaize air cleaner, R-670, R-680	F/N
	Attach hdw.	1 ea. AN970-4, 1 ea. AN350-4	F/N
12	75-2872	Tube assy-cold air intake, upper, R-670, R-680	N-S
	Attach hdw.	1 ea. AN3-20	F/N
13	AG75-4513-13	Washer-special, R-670, R-680	FAA-PMA
	AN931-5-9	Grommet, elastic, R-670, R-680	F/N
14	S-253-16	Spacer-3/16" 75-2872 attach, R-670, R-680	N-P
15	S-108-D64	Clamp-1" dia. tube, 75-2872 attach, R-670, R-680	N-S
	Attach hdw.	1 ea. AN310-3, 1 ea. AN960-10, 1 ea. AN380-2-2	F/N
16	75-2877	Scoop assy-cold air intake (fireproof fiberglass) R-670, R-680	N-P
17	75-2877-1	Scoop assy-cold air intake less AG75-2875 screen, R-670, R-680	N-P
18	75-2876	Screen assy-AG75-2877 cold air intake scoop, R-670, R-680	N-P
	Attach hdw.	4 ea. AN526-1032, 4 ea. AN526-1032-7	F/N
19	75-2878	Line-air cleaning housing drain, R-670, R-680	N-S
	Attach hdw.	1 ea. AN840-6, 1 ea. AN884-6-12, 2 ea. QS100-M8W	F/N

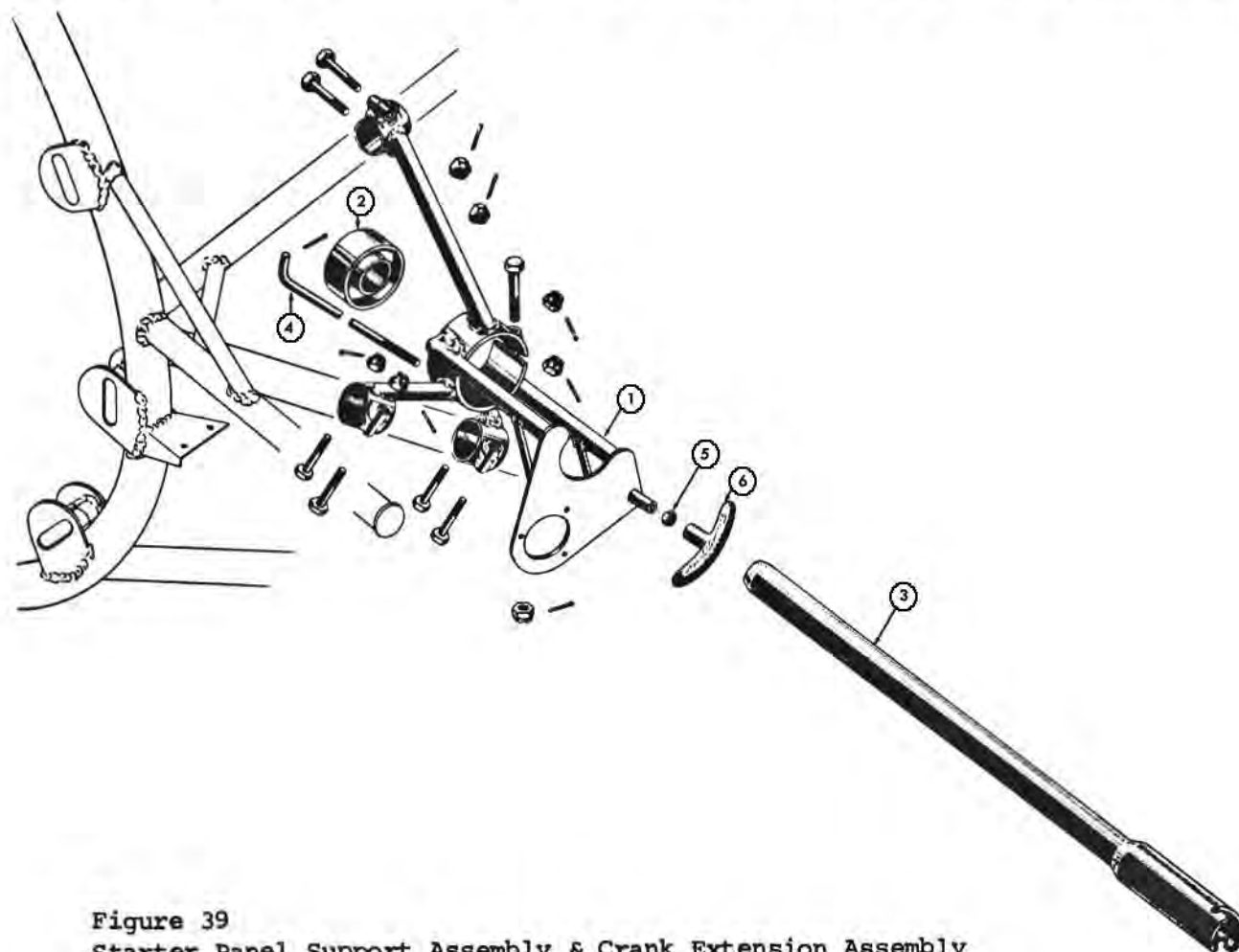


Figure 39
Starter Panel Support Assembly & Crank Extension Assembly

Index No.	Part No.	Description	Cond.
1	75-2845	Clamp assy-starter panel support, R-680	Recond.
1	A75N1-2852	Bracket assy-starter crank extension, R-670	Recond.
2	A75N1-2863	Bearing-starter crank extension, R-670, R-680	N-S
3	A75N1-2858	Shaft assy-starter crank extension, R-670, R-680	N-S
4	AG75-2869	Rod-starter clutch, R-680	FAA-PMA
4	A75N1-2838	Control assy-starter clutch & mag spark, R-670	N-S
5	AN315-3	Nut-AG75-2869 Rod	F/N
6	75-2842	Handle-starter trip, R-670, R-680	N-S
<u>ADDITIONAL PARTS</u>			
	B75N1-2811	Channel-manual spark control pulley bracket, R-670	N-S
	A75N1-2812	Support-starter panel, R-680	N-S
	75-2812	Clamp assy-starter crank support	N-S
	75-2813	Support-booster mag, R-670, R-680	N-S
	75-2815	Clip assy-starter crank support, R-670, R-680	N-S
	75-2817	Tube booster magneto torque, R-680	N-S
	75-2818-1	Guard-1-1/4" pulley, R-670, R-680	N-S
	75-2818-2	Guard-1-1/4" pulley, R-670, R-680	N-S
	75-2819	Bracket-starter control pulley, R-670, R-680	N-S
	A75N1-2819	Universal joint assy-starter crank ext., R-670, R-680	N-S
	75-2823	Tube assy-starter crank support, R-670, R-680	N-S
	75-2831	Bearing assy-booster magneto drive, R-680	N-S

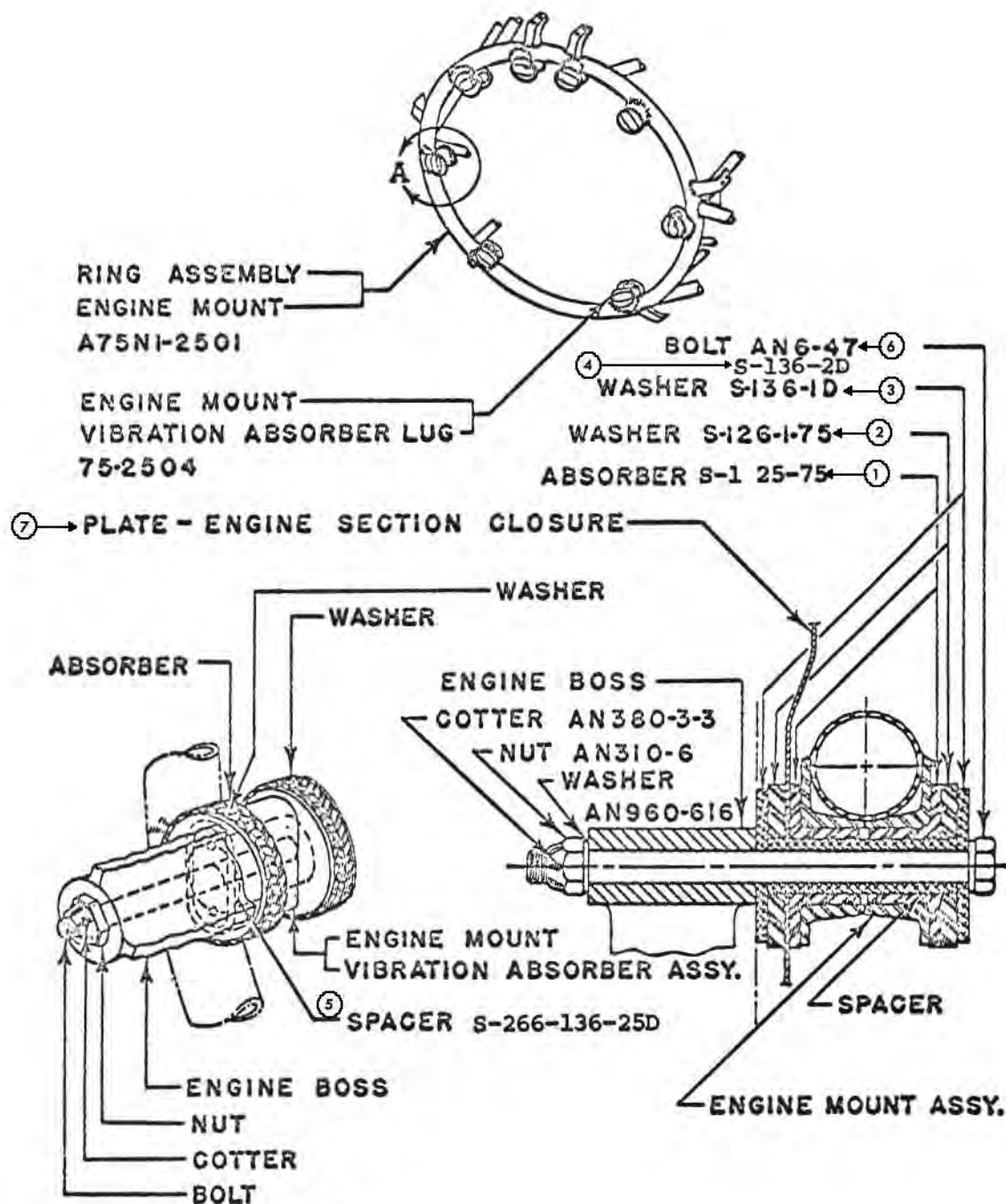
STARTER PANEL SUPPORT ASSEMBLY & PARTS, R-670 PT-17 N2S-4, R-680 PT-13 N2S-5 cont'd

Additional parts continued

Figure 39

Index

No.	Part No.	Description	Cond.
	A75N1-2834	Bushing-starter crank set (use A75N1-2863)	
	A75N1-2838	Control assy-starter clutch & mag spark, R-670	N-S
	A75N1-2841	Bracket assy-spark control pulley, R-670	N-S
	75-2844	Support-starter panel, R-680	N-S
	75-2845	Clamp assy-starter panel support, R-670, R-680	N-S
	A75N1-2845-3	Crank-hand, starter, R-670, R-680	N-S
	75-2851	Clip-starter crank support, R-670, R-680	N-S
	A75N1-2853	Boot assy-starter crank extension, R-670, PT-27	N-S
	A75N1-2858-1	Extension assy-starter crank, R-670, R-680	N-S
	A75N1-2860	Brace-engine mount starter extension bracket, R-670	N-S
	A75N1-2863	Bearing-starter crank extension, plain, R-670, R-680	N-S
	75-2888	Collar-starter crank extension, R-670, R-680	N-S
	75-2889	Bushing-starter crank extension, R-670, R-680	N-S
	75-2990	Bearing assy-starter crank extension, R-670, R-680	N-S



DETAIL A

TYPICAL INSTALLATION

REF. DWG. A75NI-2800

Figure 40 INSTALLATION ENGINE MOUNT VIBRATION ABSORBER - MODEL N2S-4

INSTALLATION ENGINE MOUNT VIBRATION ABSORBERS, PT-17, N2S-4 continued

Figure 40

Index

No.	Part No.	Description	Cond.
1	S-125-75	Absorber-engine mount vibration, 16 required	N-P
2	S-126-1-75	Washer-rubber, 16 required	N-P
3	S-136-1D	Washer-engine mount lug, 15 required	N-P
4	S-136-2D	Washer-engine mount lug, 1 required	N-P
5	S-266-136-25D	Spacer-engine mount lug (aluminum) 8 required	N-P
6	AN6-47	Bolt-engine attach, 8 required	F/N
	AN310-6	Nut-engine attach bolt, 8 required	F/N
	AN960-616	Washer-engine attach bolt, 8 required	F/N
	AN380-3-3	Cotter pin-engine attach bolt, 8 required	F/N
7	A75N1-2831	Plate-engine section closure	N-S
	DS-122	Engine mount absorbers (16 ea.) rubber washers (16 ea.) aluminum washers (16 ea.) kit	N-P
	DS-122M-C	Engine to mount installation kit for R-670, has all of AG-122 kit plus 8 ea. aluminum spacers, 8 ea. bolts, nuts & 16 ea. plain washers	N-P
	DS-123	Engine mount absorber kit, has 16 ea. absorbers, R-670,	N-P
	DS-124	Engine absorbers (16 ea.) & rubber washers (16 ea.) kit	N-P

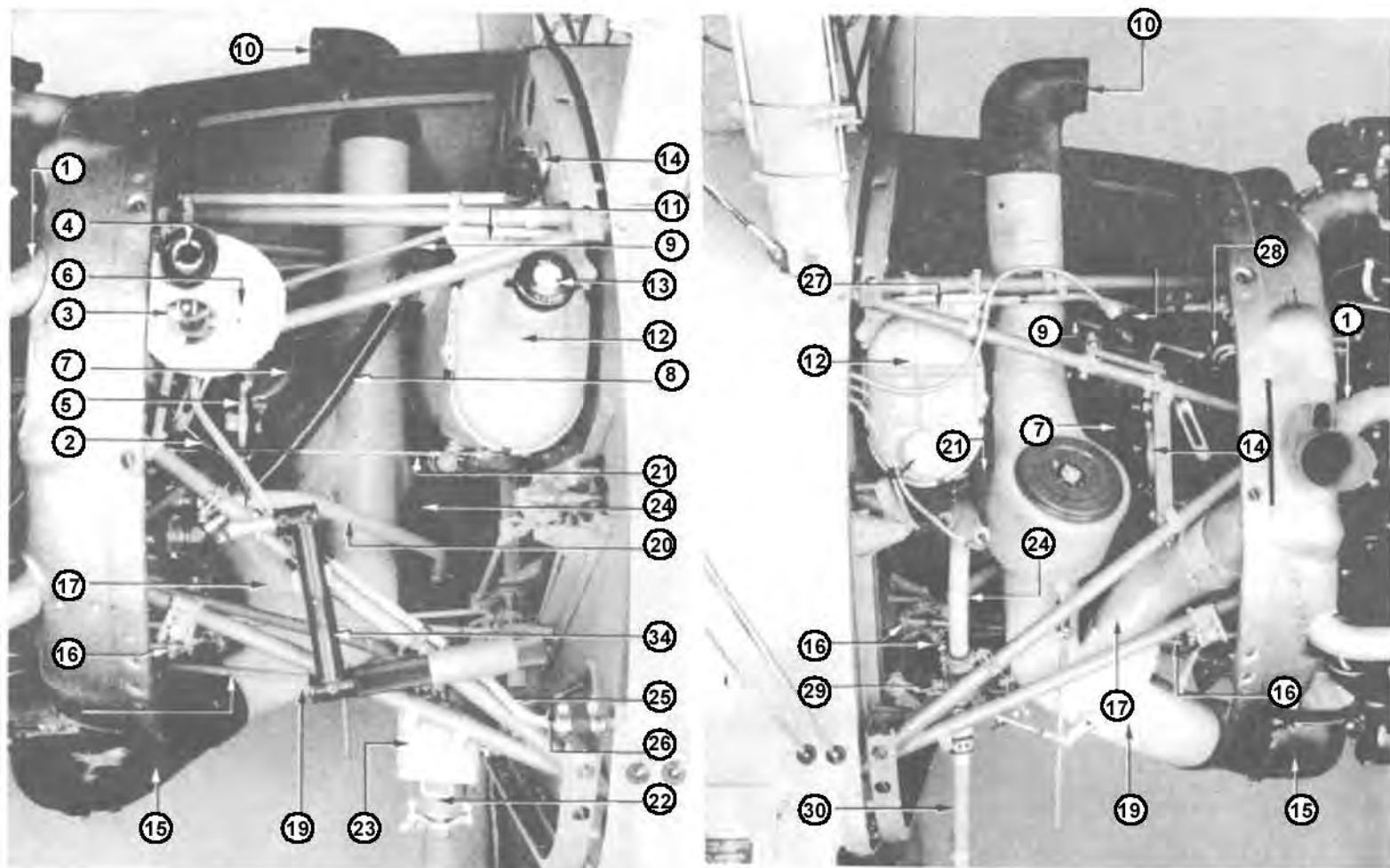


Figure 41

Index		Description	Cond.
No.	Part No.		
1	A75N1-2832	Exhaust collector ring assy	N-S
	A75N1-2832-2	Pipe-exhaust cylinder #5	N-S
	A75N1-2832-4	Sleeve assy-exhaust pipe cylinder #5	N-S
	A75N1-2832-8	Tail pipe-exhaust cylinder #6	N-S
	A75N1-2832-13	Sleeve assy-exhaust pipe cylinder #6	N-S
	A75N1-2832-15	Pipe-exhaust cylinder #7	N-S
	A75N1-2832-17	Sleeve assy-exhaust cylinder #7	N-S
	A75N1-2832-19	Pipe-exhaust cylinder #1	N-S
	A75N1-2832-21	Sleeve assy-exhaust pipe cylinder #1	N-S
	A75N1-2832-23	Pipe-exhaust cylinders #2 & #3	N-S
	A75N1-2832-27	Pipe-exhaust cylinder #4	N-S
2	AG75-3168-1	Primer line-primer to strainer	FAA-PMA
3	401-1A	Primer-engine, original Stearman	Recond.
4	A75N1-2809	Starter crank extension assy	N-S
5		Magnetos-ref. only. Ask for our engine accessories price catalog	

INSTALLATION POWER PLANT, PT-17, N2S-3, N2S-4 continued

Figure 41

Index

No.	Part No.	Description	Cond.
6	75-2842	Handle-starter trip	N-S
7	Tachometer drive shaft, ref. only	- see instrument installation	
8	AC882-16-72	Hose-oil, ref only, see oil installation PT-17, N2S-4	
9	A75N1-3005	Line-oil tank vent, see oil installation PT-17, N2S-4	
10	75-2877	Scoop assy-cold air intake (fireproof fiberglass)	N-P
10	75-2877-1	Scoop assy-cold air intake less AG75-2876 screen	N-P
11	75-3018	Support assy-oil tank lh, ref. only see oil tank & line installation PT-17, N2S-4	
12	AG75-3028	Oil tank assy, ref. only see oil tank & line installation, PT-17, N2S-4	FAA-PMA
13	AGE75N1-3013-2C	Oil cap-light type, ref. only see oil tank & line installation PT-17, N2S-4	FAA-PMA
13	E75N1-3013-2	Oil cap-spring loaded type, ref. only see oil tank & line installation PT-17, N2S-4	
14	A-7	Ignition switch-original Stearman, ref. only see ignition switch installation	
14	A-9	Ignition switch-subst. on-off, l & r battery, ref. only see ignition switch installation	
15	5122	Horn-carburetor air (Continental)	N-S
16	A75N1-2900	Installation engine control, ref. only see engine control installation	
17	A75N1-2806	Duct assy-carburetor hot air intake	N-S
18	AG75-3168-2	Primer line-primer to carburetor	FAA-PMA
19	A75N1-2801	Air box assy-carburetor air control	Recond.
20	AGA75N1-3003	Oil line-drain valve to engine, ref. only see oil line installation PT-17, N2S-4	
21	AG75-3869	Oil line-oil pres. coupling to engine. Ref only, see instrument installation	
22	C-2A	Fuel strainer assy	N-S
23	75-3137	Channel-C2A strainer support	N-S
24	A75N1-3002	Line assy-thermowell oil inlet	N-S
25	A75N1-3009-1,-2,-3	Lines-oil, engine breather, ref. only see oil line installation PT-17, N2S-4	
26	AGA75N1-3102	Line-fuel, fuel valve to strainer, ref. only see fuel line installation PT-17, N2S-4	
26	75-3161	Line-fuel, fuel valve to strainer, ref. only see fuel line installation N2S-3	
27	75-3018-1	Support assy-oil tank rh, ref. only, see oil tank & line installation	
28	B-11	Starter-ref. only, see our engine accessories price list	
29	37D6114-4	Oil "Y" drain-Stock Stearman, ref. only see oil line installation, PT-17, N2S-4	
30	AGA75N1-3001	Line-oil drain, ref. only see oil line installation PT-17, N2S-4	
34	A75N1-2845-3	Starter Crank	

CARBURETOR AIR HEATER SHROUD & EXHAUST WELL, PT-17, N2S-4

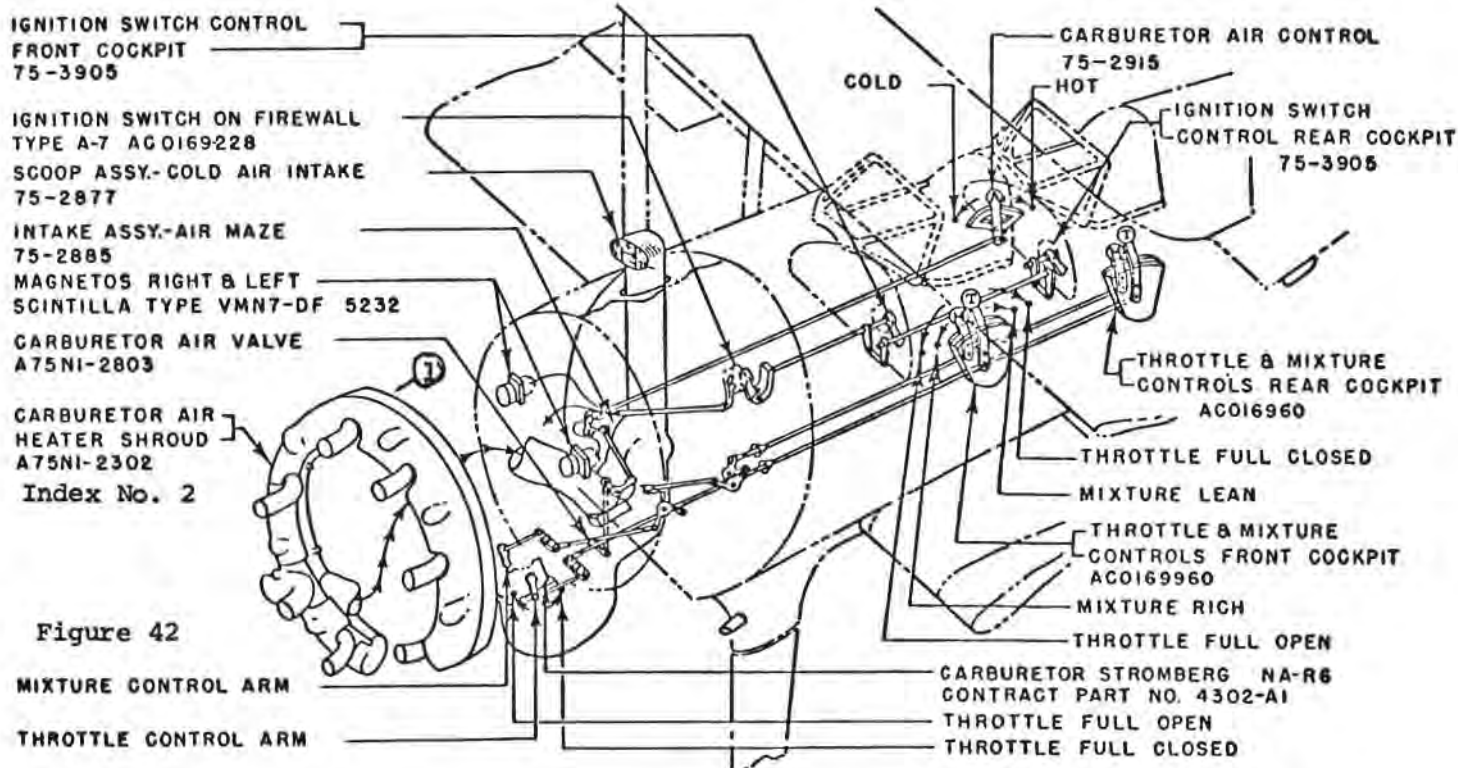


Figure 42

Index		Description	Cond.
No.	Part No.		
1	A75N1-2302	Well assy-exhaust, 3 pieces to set	N-S
1	A75N1-2302	Well assy-exhaust, 3 pieces to set	Recond.
1	A75N1-2305	Section assy-exhaust well, upper	N-S
1	A75N1-2306	Section assy-exhaust well, left hand	N-S
1	A75N1-2307	Section assy-exhaust well, right hand	N-S
2	DSA75N1-2319C	Exhaust shroud set, 6 pieces, part N-S, part recond.	
2	AGA75N1-2319	Exhaust shroud segment-cylinder #1	FAA-PMA
2	AGA75N1-2320	Exhaust shroud segment, cylinder #7	FAA-PMA
2	AGA75N1-2321	Exhaust shroud segment, cylinder #2	FAA-PMA
2	AGA75N1-2322	Exhaust shroud segment, cylinder #6	FAA-PMA
2	AGA75N1-2325	Exhaust shroud segment, cylinder #3	FAA-PMA
2	AGA75N1-2326	Exhaust shroud segment, cylinder #5	FAA-PMA

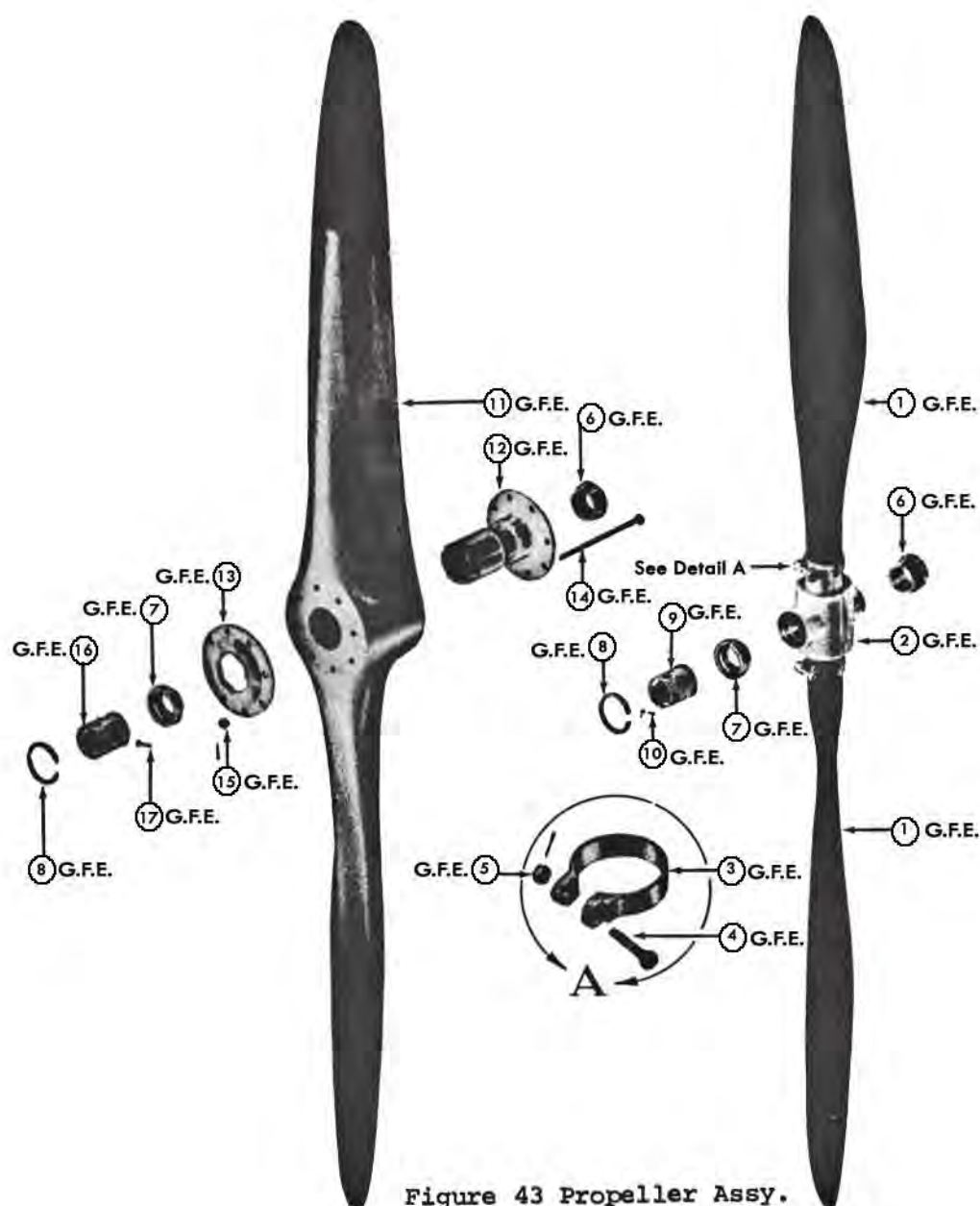


Figure 43 Propeller Assy.

Index	Part No.	Description	Cond.
	41D5926-SS135-6	Propeller assy-McCauley	O/H/C
1	SS-135-6	Blade-propeller	O/H/C
2	41D5926	Hub assy-propeller	O/H/C
3	40D-1723	Clamp-41D5926 hub	O/H/C
4	AN5000-9	Bolt-41D5926 hub clamp	N-S
5	AN5001-9	Nut-AN5000-9 bolt	N-S
	Attach hdw.	AN380-4-4	F/N
6	AN5008-20	Cone-propeller hub-rear (bronze)	N-S

PROPELLER ASSEMBLIES, R-670, PG-17, N2S-4, PT-13, N2S-5 continued

Figure 43

Index

No.	Part No.	Description	Cond.
7	AN5007-20	Cone-propeller hub-front (steel)	N-S
8	AN5009-20	Ring-propeller hub-snap	N-S
9	AN5011-20	Nut-propeller hub-retaining	N-S
10	AN394-17	Clevis pin	F/N
	Attach hdw.	1 ea. AN960-416, 1 ea. AN380C2-2	F/N
	98JA Series	Propeller assy-wood	F/N
*11	98JA Series	Propeller less hub assy	F/N
12	41G2325-9	Hub assy-contains index #12, #13, #14 & #15	N-S
12	41G2326	Hub-back half	N-S
13	41D-2327	Clamp-front half hub	N-S
14	41B-2329-12	Bolt-hub attach, 8 required	F/N
15	33A1976	Nut-hub bolt, 8 required	F/N
	Attach hdw.	AN380-4-4	F/N
6	AN5008-20	Cone-propeller hub-rear (bronze)	N-S
7	AN5007-20	Cone-propeller hub-front (steel)	N-S
8	AN5009-20	Ring-propeller hub-snap	N-S
16	41B-2328	Nut-propeller hub retaining	N-S
17	AN394-19	Clevis pin	F/N
	Attach hdw.	1 ea. AN960C-416, 1 ea. AN380-2-2	F/N

NOTE: Item 11 & Propeller assy. There are 4 different pitches on propellers
 98JA-56 for banner towing
 98JA-58 general purpose
 98JA-60 cross country
 98JA-62 R-755-9 Jacobs engine

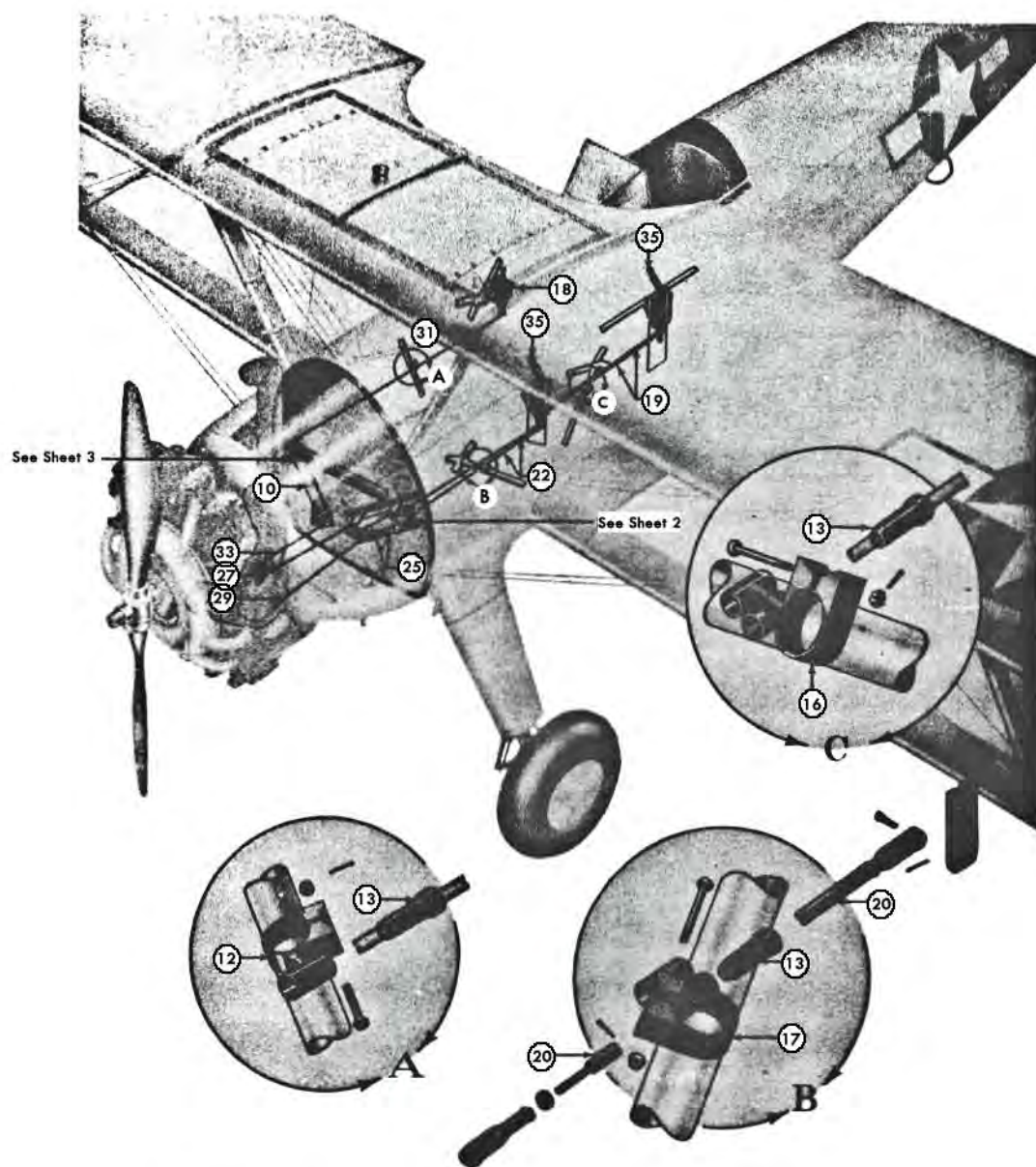


Figure 44 Engine Controls Installation

Index		Description	Cond.
No.	Part No.		
10	AG75-2924	Rod assy-air control on firewall w/end, R-670, R-680	FAA-PMA
11	AG75-2924-2	Rod-air control on firewall, less bearings, R-670, R-680	FAA-PMA
	Attach hdw.	1 ea. AN316-4R, 1 ea. AN486-4, REB-3N, 2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN960-10, 2 ea. AN380-2-2, 4 ea. AN960-10L	F/N
12	AG75-2908	Bracket assy-cold air control fairlead, R-670, R-680	FAA-PMA
13	S-116	Fairlead-3/8" tube	N-P
16	AG75-2913	Support assy-engine control rod, front fairlead, R-670, R-680	FAA-PMA
17	AG75-2914	Support assy-engine control rod, rear fairlead	FAA-PMA
	Attach hdw.	1 ea. AN3-15, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N

ENGINE CONTROL INSTALLATION, R-670, PT-17, N2S-4, PT-13, N2S-5 continued

Figure 44

Index

No.	Part No.	Description	Cond.
13	S-116	Fairlead-3/8" tube, R-670, R-680, 2 required	N-P
	Attach hdw.	1 ea. AN3-15, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
19	AG75-2918	Rod assy-engine control intercockpit w/adj end, R-670, R-680	FAA-PMA
20	AG75-2918-2	Same as above except without adj. end	FAA-PMA
	Attach hdw.	1 ea. AN486-4, 1 ea. AN316-4R, 4 ea. AN380-2-2, 4 ea. AN393-11	F/N
21	AG73-2909	Grommet-control rod, 3 required, R-670, R-680	FAA-PMA
22	AG75-2919	Rod assy-engine control cockpit to firewall w/REB-3N R-670, R-680	FAA-PMA
23	AG75-2919-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, R-670, R-680	F/N
	Attach hdw.	1 ea. AN316-4R, 4 ea. AN380-2-2, 2 ea. AN310-3, 2 ea. AN3-11, 2 ea. AN960-10, 2 ea. AN393-11	F/N
25	AG75-2920	Rod assy-engine control on firewall w/REB-3N R-670, R-680, 2 required	FAA-PMA
26	AG75-2920-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Rod end bearing-AG75-2920-2, R-670, R-680, 2 req.	F/N
	Attach hdw.	2 ea. AN315-4, 4 ea. AN3-11, 4 ea. AN310-3, 4 ea. AN380-2-2, 4 ea. AN960-10	F/N
27	AG75N1-2902	Rod assy-engine control firewall to idler mixture & throttle, w/REB-3N, R-670	FAA-PMA
28	AG75N1-2902-2	Same as above except without REB-3N	FAA-PMA
	Attach hdw.	4 ea. AN316-4, 2 ea. AN3-11, 2 ea. AN3-10, 4 ea. AN310-3, 4 ea. AN380-2-2, 2 ea. AN960-10, 2 ea. AN960-10L	F/N
24	REB-3N	Bearing-rod end, 2 ea. AG75N1-2902-2, 4 required	F/N
27	AG75-2921	Rod assy-engine control firewall to throttle, R-680, 2/REB-3N	FAA-PMA
28	AG75-2921-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75-2921-2, 2 required, R-680	F/N
	Attach hdw.	2 ea. AN316-4, 2 ea. AN3-11, 2 ea. AN3-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 1 ea. AN960-10, 1 ea. AN960-10L	F/N
29	AG75-2922	Rod assy-engine control firewall to mixture, R-680, w/REB-3N	FAA-PMA
30	AG75-2922-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75-2922-1, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN380-2-2, 3 ea. AN960-10	F/N
31	AG75-2923	Rod assy-air control cockpit to firewall, R-670, R-680, 2/REB-3N	FAA-PMA
32	AG75-2923-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75-2923-2, 1 required	F/N
	Attach hdw.	1 ea. AN316-4, 1 ea. AN3-11, 1 ea. AN393-11, 1 ea. AN310-3, 2 ea. AN380-2-2, 2 ea. AN960-10, 1 ea. AN960-10L	F/N
33	AG75N1-2901-3	Rod assy-air control firewall to valve, R-670, 2/REB-3N	FAA-PMA
34	AG75N1-2901-4	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75N1-2901-4 rod, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 1 ea. AN31-1, 1 ea. AN3-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 1 ea. AN960-10	F/N

ENGINE CONTROL INSTALLATION, R-670, PT-17, N3S-4, PT-13, N2S-5 continued

Figure 44

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No.	Part No.	Description	Cond.
33	AG75-2925	Rod assy-air control firewall to valve, R-680, w/REB-3N	FAA-PMA
34	AG75-2925-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75-2925-2, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 1 ea. AN3-11, 1 ea. AN3-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 1 ea. AN960-10	F/N
35	A75N1-2911	Throttle quadrant-engine control, 2 required	Recond.
	Attach hdw.	8 ea. AN3-7, 8 ea. AN310-3, 8 ea. AN960-10, 8 ea. AN380-2-2	F/N
	S-253-12	Spacer-3/16" bolt - A75N1-2911 attach, 8 required	N-P

ENGINE CONTROLS ON FIREWALL, R-670, PT-17, N2S-4, R-680, PT-13, N2S-5

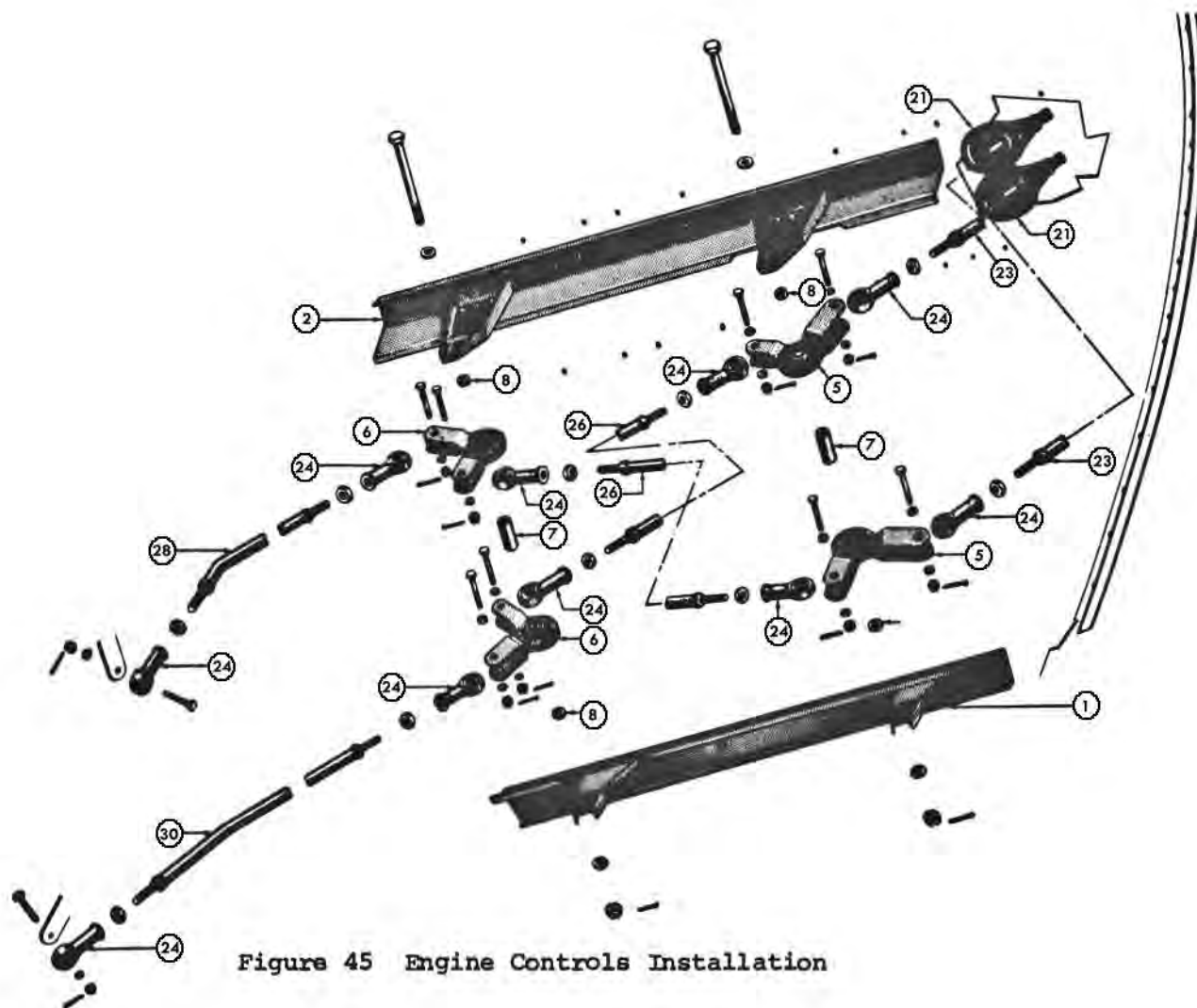


Figure 45 Engine Controls Installation

ENGINE CONTROLS ON FIREWALL, R-670, PT-17, N2S-4, R-680, PT-13, N2S-5 continued

Figure 45

Index

No.	Part No.	Description	Cond.
	AG75-2901-C	Firewall bellcrank assy complete & assembled, R-670, PT-17, N2S-4	FAA-PMA
	AG75-2901-L	Firewall bellcrank assy complete & assembled, R-680, PT-13, N2S-5	FAA-PMA
1	AG75-2901-1	Support assy-engine control bellcrank, R-670,R-680	FAA-PMA
2	AG75-2901-2	Support assy-engine control bellcrank, R-670,R-680	FAA-PMA
	AG75-2903	Bracket only-engine control bellcrank supports R-670, R-680	FAA-PMA
	AG75-2904	Channel only for AG75-2901-1 support assy, R-670, R-680	FAA-PMA
	AG75-2904-1	Channel only for AG75-2901-2 support assy, R-670, R-680	FAA-PMA
	AGS-276-5S	Replacement bushing for AG75-2903 bracket, R-670, R-680	FAA-PMA
	Attach hdw.	8 ea. AN3-5, 2 ea. AN3-4, 1 ea. AN3-21, 12 ea. AN310-3, 23 ea. AN960-10, 12 ea. AN380-2-2	F/N
5	AG75-2905-1	Bellcrank assy-engine control, 3 required	FAA-PMA
6	AG75-2905-2	Bellcrank assy-engine control, 1 required	FAA-PMA
	BCW4-10	Replacement bearing for AG75-2905-1 &-2, 1 per unit	N-S
	AGS-275-5S	Replacement bushing for AG75-2905-1 &-2, 4 per unit	FAA-PMA
7	S-254-56	Spacer-1/4" bolt, 2 required	N-P
8	S-254-8	Spacer-1/4" bolt, 4 required	N-P
	Attach hdw.	2 ea. AN4-31, 4 ea. AN310-4, 4 ea. AN960-416, 4 ea. AN380-2-2	F/N
21	AG73-2909	Grommet-control rod (firewall) 3 required, R-670, R-680	FAA-PMA
23	AG75-2919	Rod assy-engine control cockpit to firewall w/REB-3N R-670, R-680	FAA-PMA
23	AG75-2919-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end, AG75-2919-2, 1 required	FAA-PMA
26	AG75-2920	Rod assy-engine control on firewall w/REB-3N R-670, R-680, 2 required	FAA-PMA
26	AG75-2920-2	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end for AG75-2920-2, 4 required	F/N
	Attach hdw.	4 ea. AN316-4, 4 ea. AN3-11, 4 ea. AN310-3, 4 ea. AN960-10, 4 ea. AN380-2-2	F/N
28	AG75-2902	Rod assy-firewall engine control to idler, mixture & throttle w/REB-3N, R-670, 2 required	FAA-PMA
28	AG75-2902-1	Same as above except without REB-3N	FAA-PMA
28	AG75-2921	Rod assy-firewall engine control to throttle w/REB-3N R-680	FAA-PMA
28	AG75-2921-1	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end for AG75-2921-1, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 1 ea. AN3-11, 1 ea. AN3-10, 2 ea. AN310-3, 2 ea. AN960-10, 1 ea. AN960-10L 2 ea. AN380-2-2	F/N
30	AG75-2922	Rod assy-firewall engine control to mixture w/REB-3N R-680	FAA-PMA
30	AG75-2922-1	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end for AG75-2922-1, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN380-2-2, 3 ea. AN960-10	F/N

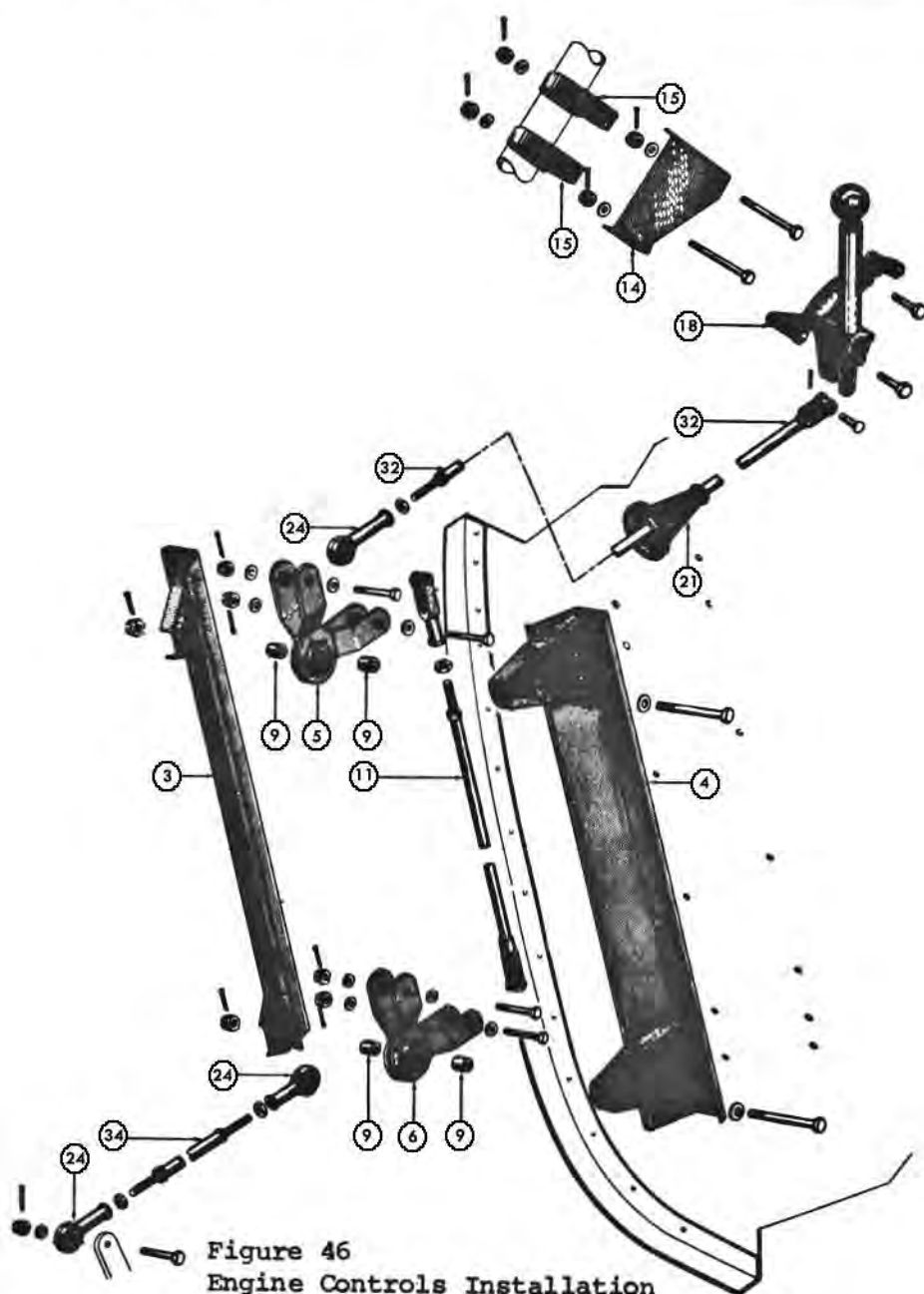


Figure 46
Engine Controls Installation

Index		Description	Cond.
No.	Part No.		
	AG75-2902	Firewall bellcrank assy complete & assembled, R-670, R-680	FAA-PMA
3	AG75-2902-1	Support assy-carb air control bellcrank,R-670,R-680	FAA-PMA
4	AG75-2902-2	Support assy-carb air control bellcrank,R-670,R-680	FAA-PMA
	AG75-2903	Bracket only-air control bellcrank support, R-670, R-680	FAA-PMA
	AG75-2904-3	Channel only for AG75-2902-1 support assy, R-670, R-680	FAA-PMA
	AG75-2904-4	Channel only for AG75-2902-2 support assy, R-670, R-680	FAA-PMA
	AGS-276-5S	Replacement bushing for AG75-2903,R-670,R-680,4 req.	FAA-PMA
	Attach hdw.	7 ea. AN3-5, 1 ea. AN3-21, 9 ea. AN310-3, 17 ea. AN960-10, 9 ea. AN380-2-2	F/N

AIR CONTROLS ON FIREWALL, R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued

Figure 46

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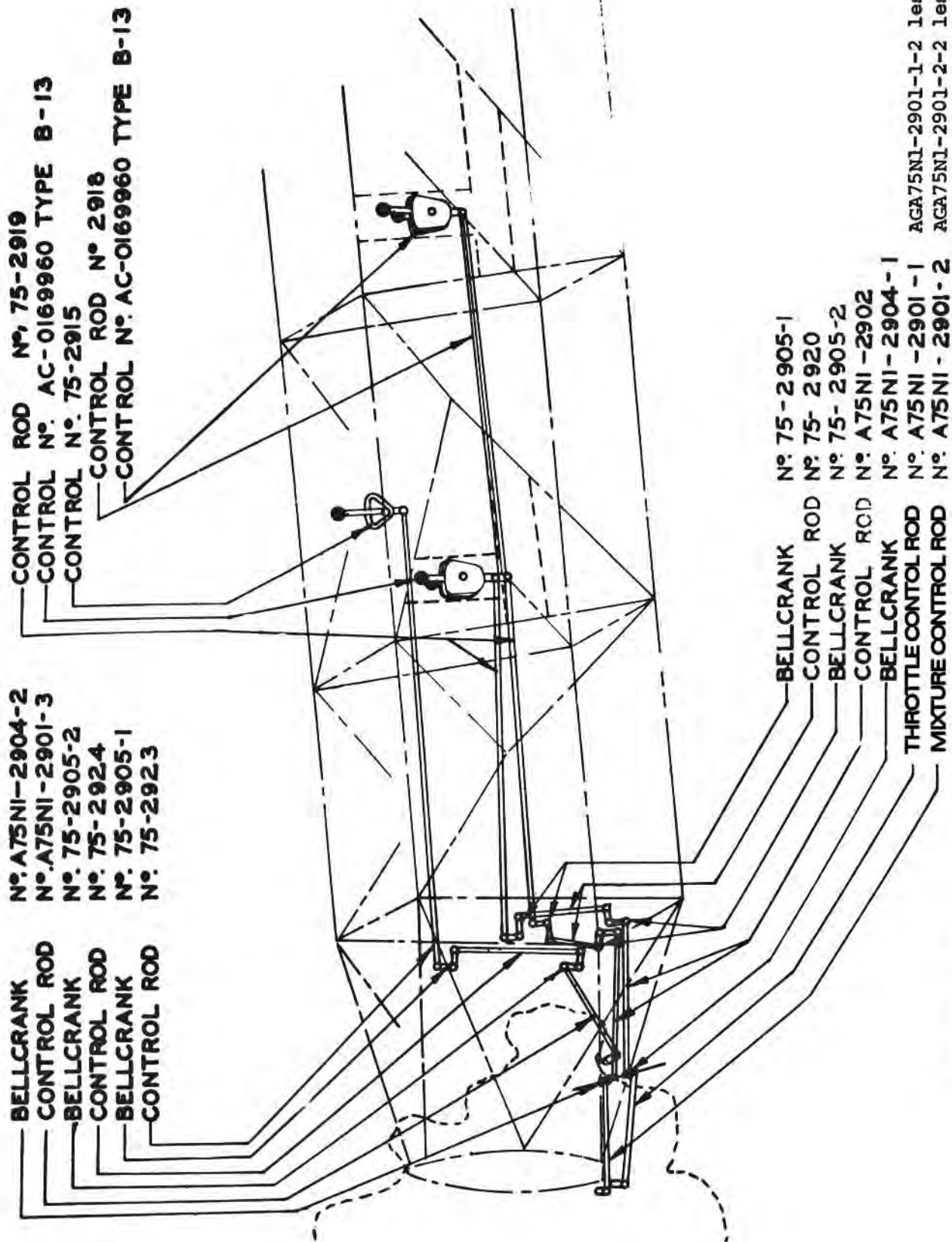
No.	Part No.	Description	Cond.
5	A75-2905-1	Bellcrank assy-air control, R-670, R-680, 1 required	FAA-PMA
6	AG75-2905-2	Bellcrank assy-air control, R-670, R-680, 1 required	FAA-PMA
	AGS-275-5S	Replacement bushing for AG75-2905-1 & -2, 4 required	FAA-PMA
	BC4W10	Replacement bearing for AG75-2905-1 & -2, 2 required	N-S
9	S-254-24	Spacer-1/4" bolt, R-670, R-680, 4 required	N-P
	Attach hdw.	2 ea. AN4-21	F/N
11	AG75-2924	Rod assy-air control on firewall w/486-4 end, R-670, R-680	FAA-PMA
11	AG75-2924-2	Same as above except without 486-4 end	FAA-PMA
	Attach hdw.	2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN960-10, 4 ea. AN960-10L, 2 ea. AN380-2-2	F/N
14	AG75-2909	Channel-cold air control support, R-670, R-680	FAA-PMA
15	S-110-D51	Clamp-1-1/4" dia. tube, 75-2909 channel, 2 required	N-P
	Attach hdw.	2 ea. AN3-17, 2 ea. AN310-3, 2 ea. AN960-10, 2 ea. AN380-2-2	F/N
18	75-2915	Control assy-carburetor air, R-670, R-680	N-S
	Attach hdw.	2 ea. AN3-6, 2 ea. AN310-3, 2 ea. AN960-10, 2 ea. AN380-2-2	F/N
32	AG75-2923	Rod assy-air control cockpit to firewall w/REB-3N R-670, R-680	FAA-PMA
32	AG75-2923-2	Same as above except without REB-3N	FAA-PMA
	Attach hdw.	1 ea. AN316-4, 1 ea. AN393-11, 1 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN960-10, 1 ea. AN960-10L, 2 ea. AN380-2-2	F/N
24	REB-3N	Bearing-rod end for AG75-2923-2, 1 required	F/N
34	AG75N1-2901-3	Rod assy-air control firewall to valve w/REB-3N R-670	FAA-PMA
34	AG75N1-2901-6	Same as above except without REB-3N	FAA-PMA
24	REB-3N	Bearing-rod end for AG75N1-2901-4, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 1 ea. AN3-11, 1 ea. AN3-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 1 ea. AN960-10	F/N

Figure 47

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No.	Part No.	Description	Cond.
	AG75N1-2901-1	Rod assy-idler to throttle w/REB3N bearings, R-670, PT-17, N2S-4	FAA-PMA
	AG75N1-2901-4	Same as above except without REB3N bearings	FAA-PMA
	AG75N1-2901-2	Rod assy-idler to mixture w/REB3N bearings, R-670, PT-17, N2S-4	FAA-PMA
	AG75N1-2901-5	Same as above except without REB3N bearings	FAA-PMA

STEARMAN AIRFRAME PARTS



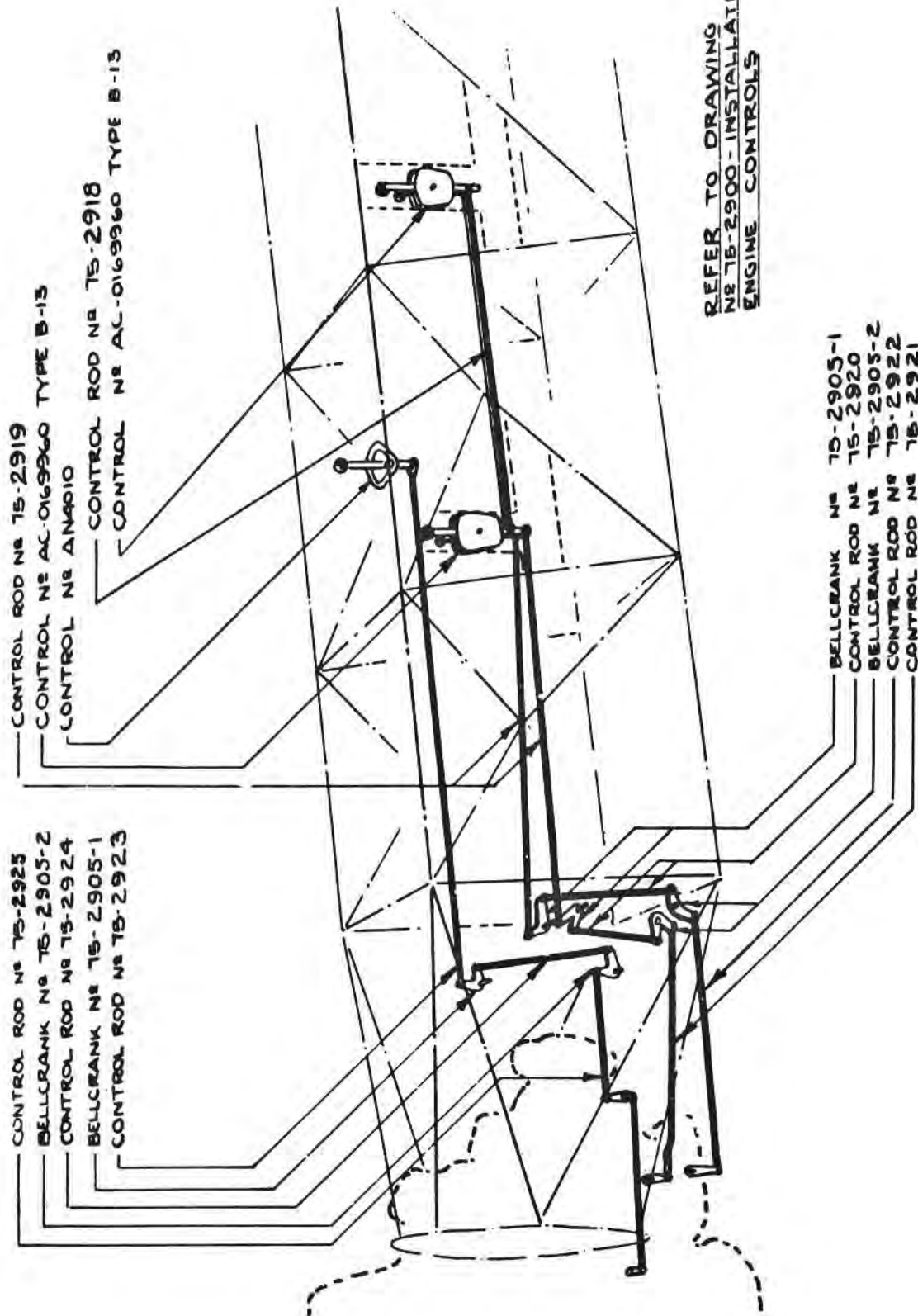


FIG.48-ENGINE CONTROLS INSTALLATION-MODEL PT-13B N2S-5

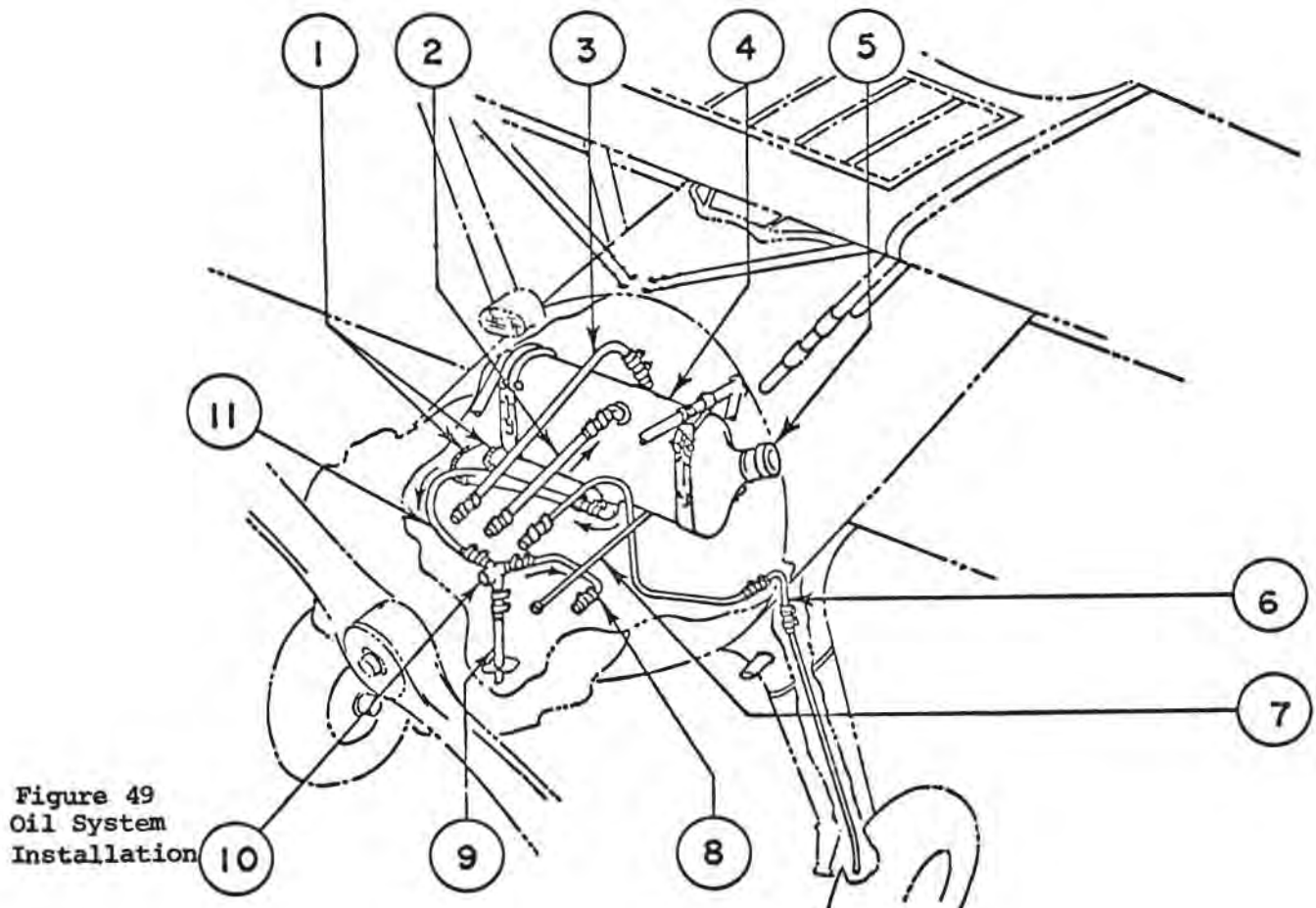


Figure 49
Oil System
Installation

Index

No.	Part No.	Description	Cond.
1		Oil temp line to gauge type B-7, ref. only see instrument installation	
2	AC882-16-72	Line-return from engine	F/N
3	A75N1-3005	Vent line from tank to engine	N-P
4	AG75-3028	Oil tank assy-4.4 gallons	FAA-PMA
5	E75N1-3013-2	Oil cap-light type, R-670, R-680	N-S
5	E75N1-3013-3	Oil cap-spring loaded type, R-670, R-680	N-S
5	AGE75N1-3013-2C	Oil cap w/dip stick, R-670	FAA-PMA
5	E75N1-3013-3C	Oil cap w/dip stick, R-670	N-S
5	E75N1-3013-2L	Oil cap w/dip stick, R-680	N-S
5	E75N1-3013-3L	Oil cap w/dip stick, R-680	N-S
6	75N1-3009-1	Oil line-engine breather	N-P
6	75N1-3009-2	Oil line-engine breather	N-P
6	75N1-3009-3	Oil line-engine breather	N-P
7	75-3869	Oil pressure line from engine to gauge, ref. only, see instrument installation	
8	AGA75N1-3003	Line	FAA-PMA
9	AGA75N1-3001	Line-oil drain	FAA-PMA

OIL SYSTEM INSTALLATION, R-670, PT-17, N2S-4 continued

Figure 49

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No.	Part No.	Description	Cond.
10	37D6114-4	Oil "Y" drain, Stock Stearman	N-S
11	A75N1-3002	Line-outlet from tank (thermowell)	N-P
	Attach parts:		
	AC882-16-11	Hose-1" oil line connections, 4 required	F/N
	AC882-8-9	Hose-1/2" oil line connections, 5 required	F/N
	QS100-16W	Clamp-1" hose QS100-M16W, 8 required	F/N
	QS100-8W	Clamp-1/2" hose, QS100-M8W	F/N

OIL SYSTEM INSTALLATION, R-680, N2S-5

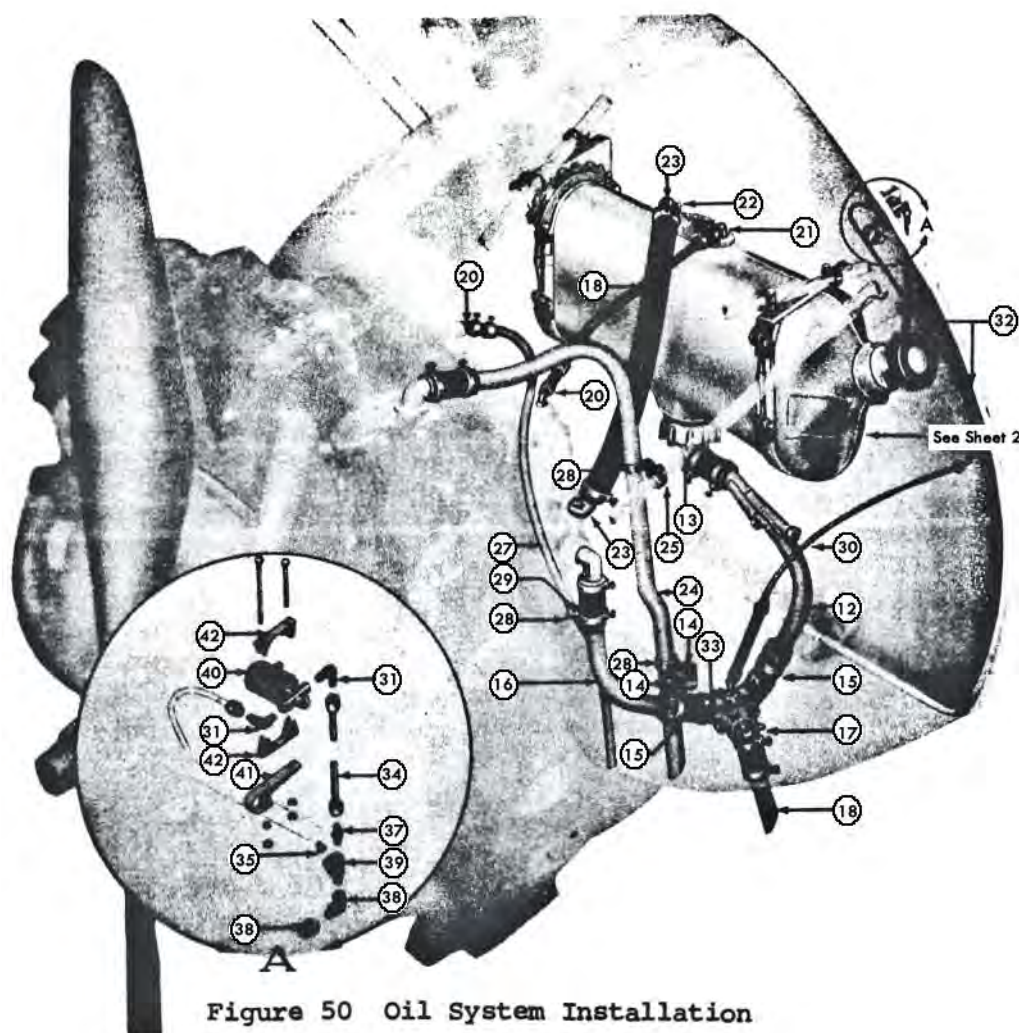


Figure 50 Oil System Installation

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No.	Part No.	Description	Cond.
12	E75N1-3006	Line assy-thermowell oil inlet	N-S
13	75-3005	Elbow assy-oil outlet guard	N-S
	AN884-16-12	Hose-at "Y" drain	F/N

OIL SYSTEM INSTALLATION, R-680, N2S-5 continued

Figure 50

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No.	Part No.	Description	Cond.
	AN884-16-11	Hose-thermowell line at tank	F/N
	QS100-16W	Clamp-hose connections, 4 required	F/N
14	S-108-D51	Clamp-1" dia. tube, 1 required	N-P
15	S-101-D22	Tube clip, 1 required	F/N
	Attach hdw.	1 ea. AN3-14A, 1 ea. AN960-10, 1 ea. AN365-1032A	F/N
16	AGE75N1-3007	Line-drain "Y" to engine oil	FAA-PMA
	AN884-16-12	Hose-at "Y" drain	F/N
	AN884-16-11	Hose-at engine connection	F/N
	QS100-16W	Clamp-hose connecting, 4 required	F/N
	A75N1-3030	Elbow assy-850-16 modified	F/N
17	37D6114-4	Oil drain "Y"	N-S
18	AGE75N1-3024	Line-oil drain i/w AG75-3015-S	FAA-PMA
	AN884-16-11	Hose-oil line connection, 1 required	F/N
	QS100-16W	Clamp-hose connection, 2 required	F/N
19	E75N1-3012	Line-oil tank vent	N-P
	AN884-8-9	Hose-oil line connecting, 2 required	F/N
	QS100-8W	Clamp-hose connecting, 4 required	F/N
20	851-8	Elbow-hose, fuel & oil, 45° -engine connecting	N-S
21	850-8	Elbow-hose, fuel & oil, 90° -oil tank connecting	N-S
22	AN913-3	Plug-square head	F/N
23	A75N1-3030	Elbow assy-850-16 modified, 2 required	N-S
	AN884-16-84	Line-hose 1", engine to tank return	F/N
	QS100-16W	Clamp-AN884-16-84 line, 2 required	F/N
24	AG75-3027	Line-engine breather	FAA-PMA
	AN884-16-11	Hose - A75N1-3030 connecting	F/N
25	S-107-D51	Clamp-7/8 dia. tube, AG75-3027 line support	F/N
	QS100-16W	Clamp - A75N1-3030 connecting, 2 required	F/N
26	S-101-D16	Tube clip-AG75-3027 line support	F/N
	Attach hdw.	1 ea. AN3-14A, 1 ea. AN365-1032A, 1 ea. AN960-10	F/N
27	AG75-3026	Line-engine vent oil	FAA-PMA
	AN884-8-9	Hose-AG75-3026 connecting	F/N
	QS100-8W	Clamp-hose, 2 required	F/N
28	75-3006	Clip-engine vent line attachment	N-S
29	S-101-D8	Tube clip	F/N
	Attach hdw.	1 ea. AN520-10-8, 1 ea. AN365-1032A, 1 ea. AN960-10	F/N
30	E75N1-3003	Line assy-solenoid to "Y"-oil dilution fuel	N-P
31	811CT-4	Elbow - E75N1-3003-1 connecting, solenoid	N-S
32	S-101-D5	Tube clip at firewall - E75N1-3003 , 2 required	F/N
	Attach hdw.	1 ea. AN520-10-8, 1 ea. AN365-1032A, 1 ea. AN960-10, 1 ea. AN931-4-7	F/N
33	851-4	Elbow-hose, fuel & oil, 45°	N-S
	Attach hdw.	1 ea. AN884-4-9, 2 ea. QS100-6W clamp	F/N
34	E75N1-3004	Line assy-oil dilution fuel to solenoid	N-P
31	811CT-4	Elbow - E75N1-3004 to solenoid	N-S
35	AN913-1	Plug - E75N1-3004 to solenoid	F/N
36	AN912-3	Reducer bushing-AGE75N1-3004 to solenoid	F/N
37	811FT-4	Nipple - E75N1-3004 to solenoid	N-S
38	AN914-1	Elbow - E75N1-3004 to solenoid	F/N
39	AN4077-1	Fitting-oil dilution system twin restricted tube	N-S
40	37D6210	Valve assy-solenoid	N-S
41	E75N1-3015	Clamp-solenoid valve	N-S
	Attach hdw.	1 ea. AN3-36A, 1 ea. AN3-25A, 2 ea. AN960-10	F/N
42	BAC542-32SF	Clamp-solenoid attach	N-S
	Attach hdw.	2 ea. AN365-1032A	F/N

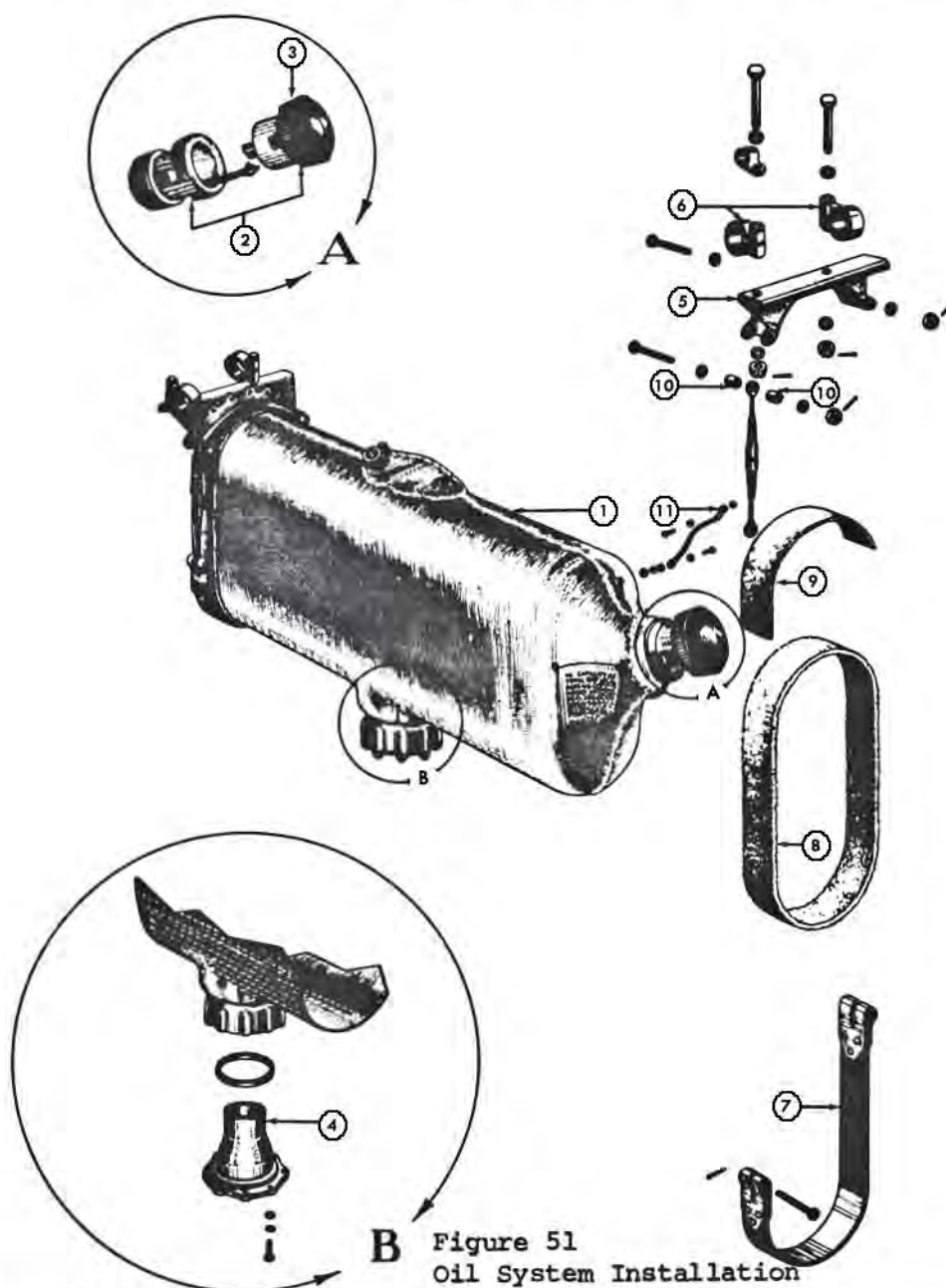


Figure 51
Oil System Installation

Index

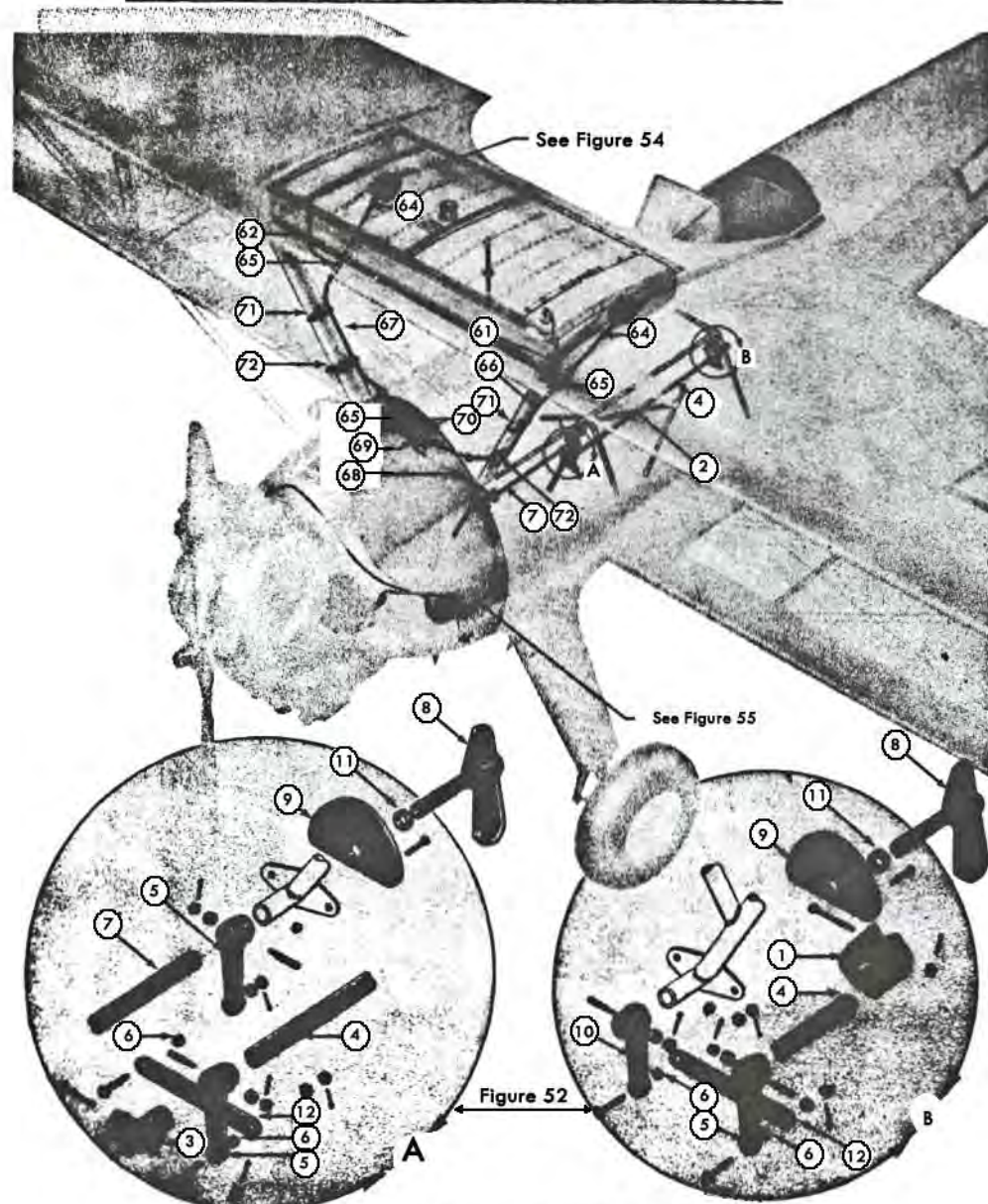
No.	Part No.	Description	Cond.
1	AG75-3028	Oil tank assy, R-670	FAA-PMA
1	E75N1-3002	Oil tank assy, R-680	Recond.
2	E75N1-3013-1	Oil cap & neck, light type(not shown)R-670,R-680	F/N
3	E75N1-3013-2	Oil cap-light type (not shown) R-670, R-680	F/N
3	AGE75N1-3013-2C	Oil cap & dip stick, light type,(not shown)R-670	FAA-PMA
3	E75N1-3013-2L	Oil cap & dip stick, light type,(not shown)R-680	F/N
3	E75N1-3013-3	Oil cap only-spring loaded (shown)	N-S
3	E75N1-3013-3C	Oil cap & dip stick,spring loaded(shown) R-670	N-S
3	E75N1-3013-3L	Oil cap & dip stick,spring loaded(shown) R-680	N-S
4	E75N1-3017	Cover-oil tank sump, R-670, R-680	N-S
	37A5949	Gasket-oil tank sump, R-670, R-680	F/N
	Attach hdw.	8 ea. AN500-416-12, 8 ea. AN960-416, 8 ea. AN935-416	F/N
5	75-3018	Support assy-oil tank lh, R-670, R-680	N-S

Figure 51

Index

No.	Part No.	Description	Cond.
5	75-3018-1	Support assy-oil tank rh, R-670, R-680	N-S
6	75-3029	Clamp-oil tank support, R-670, R-680, 4 required	N-S
	Attach hdw.	4 ea. AN4-16, 2 ea. AN4-17, 4 ea. AN310-4, 8 ea. AN960-10, 4 ea. AN380-2-2	F/N
7	75-3021-1	Strap assy-oil & fuel tank, R-670, R-680, 2 required	N-S
8	75-3148-4	Felt pad-fuel & oil tank strap, R-670, R-680, 2 req.	N-P
9	75-3148-6	Felt pad-fuel & oil tank strap, R-670, R-680, 2 req.	N-P
8 & 9	DS75-3148-OK	Oil tank felt kit	N-P
	Attach hdw.	2 ea. AN135-22S, 2 ea. AN393-33, 2 ea. AN380-2-2	F/N
10	S-253-26	Spacer-3/16" bolt, 4 required	N-P
	Attach hdw.	8 ea. AN960-10, 4 ea. AN380-2-2, 4 ea. AN310-3, 4 ea. AN3-15	F/N
11	3AJ8-8	Jumper-bonding, 2 required	F/N

FUEL SYSTEM INSTALLATION COCKPIT CONTROLS FRONT & REAR-FUEL COCK CONTROL
R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5



Fuel System Installation

FUEL SYSTEM INSTALLATION COCKPIT CONTROLS FRONT & REAR-FUEL COCK CONTROL
R-670, PT-17, N2S-4 & R-680, Pt-13, N2S-5 continued

Figure 52

Index

No.	Part No.	Description	Cond.
1	AG75-3165	Bearing assy-fuel cock torque tube-rear,R-670, R-680	FAA-PMA
	Attach hdw.	1 ea. AN3-14, 3 ea. AN310-3, 3 ea. AN380-2-2	F/N
2	AG75-3164	Bearing assy-fuel cock torque tube-center,R-670,R-680	FAA-PMA
	Attach hdw.	2 ea. AN3-15	F/N
3	AG75-3163	Bearing assy-fuel cock torque tube-front,R-670,R-680	FAA-PMA
4	AG75-3133	Tube assy-fuel cock rear torque, R-670, R-680	FAA-PMA
5	75-3170-1	Lever-torque tube, 3 required, R-670, R-680	N-S
	Attach hdw.	4 ea. AN23-12, 8 ea. AN320-3, 4 ea. AN960-10, 8 ea. AN380-2-2	F/N
6	S-205-9S	Bushing-5/16" o.d. bearing,R-670, R-680, 4 required	N-P
	Attach hdw.	4 ea. 386-1-7, 4 ea. AN975-3	F/N
7	75-3132	Tube assy-fuel cock front torque, R-670, R-680	N-P
	Attach hdw.	1 ea. 386-1-7	F/N
8	AG75-3152	Handle assy-fuel cock control, R-670, R-680, 2 req.	FAA-PMA
9	A75N1-3106	Dial-fuel cock control, 2 required	N-P
10	75-3170-2	Lever-torque tube, R-670, R-680	N-S
	Attach hdw.	4 ea. AN365-1032A, 4 ea. AN505-6-7	F/N
11	AG75-4513-6	Washer-special, R-670, R-680, 2 required	FAA-PMA
12	75-3140-1	Link-cock control arm connecting,R-670,R-680,2 req.	N-S
	DS75-3100K	Fuel valve cockpit control installation kit, front & rear complete, R-670, R-680 consists of items 1 thru 12, including attaching hardware	

FUEL LINE INSTALLATION-TANK TO FUEL COCK

Note: Used on both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

Figure 53

Index

No.	Part No.	Description	Cond.
61	AG75-3125	Fuel line-tank to tee front lh, 1 required	FAA-PMA
62	AG75-3125-1	Fuel line-tank to tee front rh, 1 required	FAA-PMA
64	AG75-3166	Fuel line-tank to tee rear, 2 required	FAA-PMA
65	811JT-8D	Tee-connects AG75-3125,3125-1 & AG75-3166, 2 req.	N-S
66	AG75-3127	Fuel line assy-tee to tee lh, 1 required	FAA-PMA
67	AG75-3127-1	Fuel line assy-tee to tee rh, 1 required	FAA-PMA
	811JT-8D	Tee-connects AG75-3127 & 3127-1, 1 required	N-S
68	AG75-3128	Fuel line assy-tee to fuel cock, 1 required	FAA-PMA
69	75-3141	Channel-fuel line support-tee, 1 required	N-S
70	S-101-D14	Tube clip-AG75-3127,3127-1 & AG75-3128, 2 required	F/N
	Attach hdw.	5 ea. AN520-10-8, 5 ea. AN365-1032A	F/N
71	75-3178-2	Clamp-fuel line-on front cabane struts, 2 required	N-P
	Attach hdw.	2 ea. AN520-10-8, 2 ea. AN365-1032A, 4 ea. AN960-10	F/N
72	75-3179	Latch assy-cowl door, 2 required	N-S
	Attach hdw.	2 ea. AN520-10-7, 2 ea. AN365-1032A, 2 ea. AN960-10 2 ea. AN931-16-22	F/N
	DS-310	Fuel line kit-fuel tank to fuel cock. Includes 1 ea. AG75-3125, 1 ea. AG75-3125-1, 2 ea. AG75-3166, 1 ea. AG75-3127, 1 ea. AG75-3127-1 & 1 ea. 75-3128	FAA-PMA
	DS-310-1K	Fuel line installation kit-fuel tank to fuel cock Includes items 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72 and all attach parts & hardware shown	FAA-PMA N-S

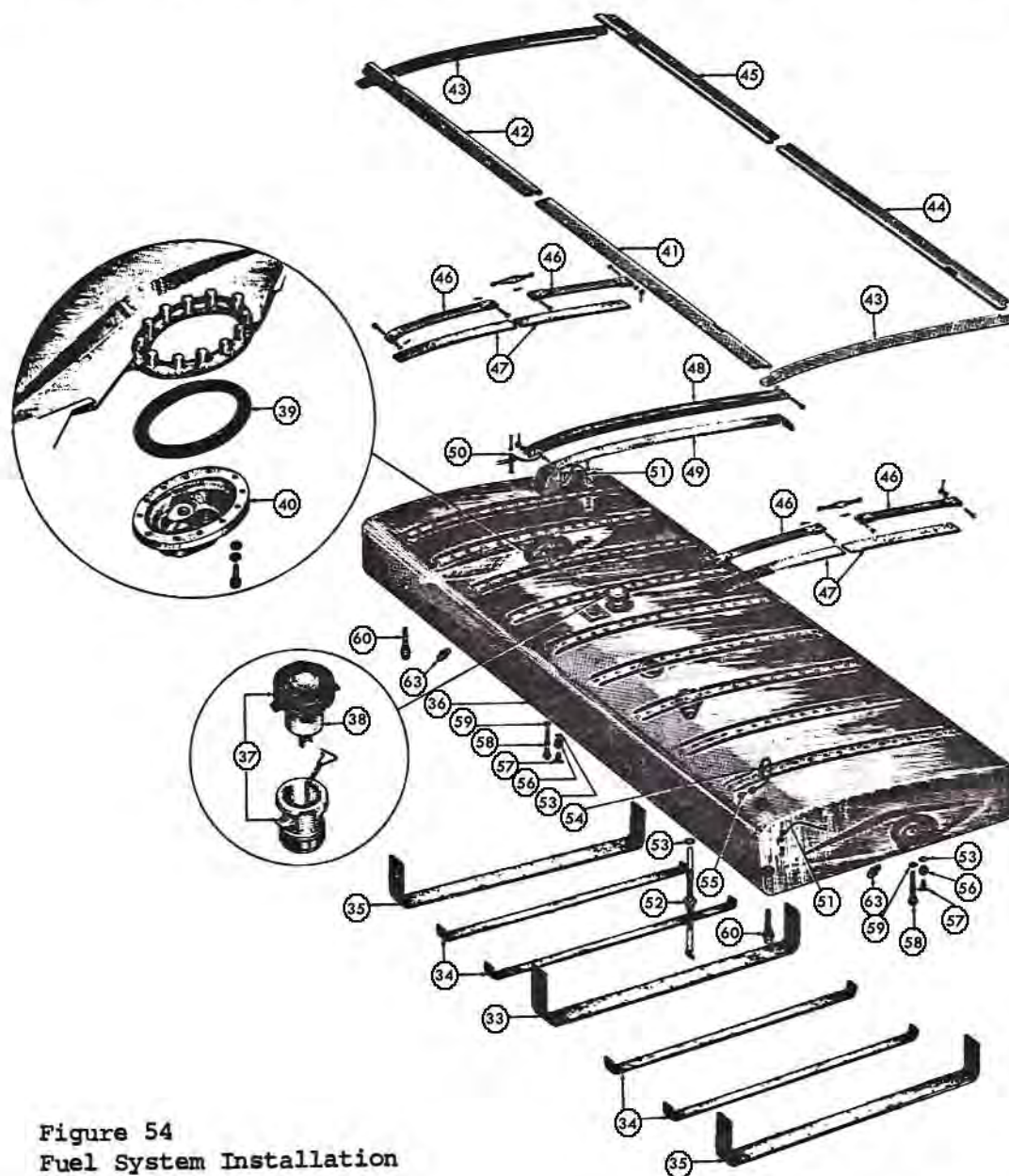


Figure 54
Fuel System Installation

Index	Part No.	Description	Cond.
No.			
33	75-3148-7	Felt pad-fuel tank support center, 1 required	N-P
34	75-3148-5	Felt pad-fuel tank support (A75-1311 ribs), 4 req.	N-P
35	75-3148-7	Felt pad-fuel tank support ends, 2 required	N-P
	DS75-3148-FK	Felt pad kit-fuel tank, 1 ea. 75-3148-3, 4 ea. 75-3148-5, 2 ea. 75-3148-7 4 ea. 75-3148-1, 1 ea. 75-3148-2	N-P
36	AG75-3101	Fuel tank assy	FAA-PMA
37	E75N1-3013-1	Fuel cap & neck, light type (not shown)	F/N
38	E75N1-3013-2	Fuel cap-light type (not shown)	F/N
38	E75N1-3013-3	Fuel cap-spring loaded	N-S
39	75-3121	Gasket-fuel tank sump cover, 2 required	N-P
40	75-3159	Cover-removable fuel tank sump, 2 required	N-P

FUEL TANK INSTALLATION-for both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued
Figure 54

Index

No.	Part No.	Description	Cond.
		Attach hdw.-Sumps 24 ea. AN500-416-12, 24 ea. AN960-416, 24 ea. AN935-416	F/N
41	75-3149	Closure assy-fuel tank front lh	N-P
42	75-3149-1	Closure assy-fuel tank front rh	N-P
43	75-3150	Closure assy-fuel tank ends	N-P
44	75-3156	Closure assy-fuel tank rear lh	N-P
45	75-3151-1	Closure assy-fuel tank rear rh	N-P
	Attach hdw.	40 ea. AN526-1032-10, 14 ea. AN526-1032-7	F/N
46	75-3021-2	Strap assy-fuel tank, 4 required	N-S
47	75-3148-1	Felt pad-fuel tank straps, 4 required	N-P
	Attach hdw. (75-3021-2)	4 ea. AN393-33, 2 ea. AN135-22S, 8 ea. AN380-2-2, 4 ea. AN23-24, 4 ea. AN320-3, 4 ea. AN960-10	F/N
48	75-1313	Stiffener-center section	N-S
	Attach hdw.	2 ea. AN24-24, 2 ea. AN320-4, 2 ea. AN960-10, 2 ea. AN380-2-2	F/N
49	75-3148-2	Felt pad-75-1313 stiffener, 1 required	N-P
50	3AJ8-8	Jumper-bonding, 1 required	F/N
51	4AJ8-8	Jumper-bonding, 2 required	F/N
52	AG75N1-3116	Fuel gauge assy complete w/gasket	FAA-PMA
	AG75N1-3116-1	Plastic sight gauge replacement tube	FAA-PMA
	AG75N1-3116-6,7,8	Cork float assy	FAA-PMA
	CCA-1550	Quick drain-fuel gauge	F/N
53	AN900-16	Gasket-fuel gauge attach	F/N
54	75-3131-1	Line-fuel tank vent, 1 required	N-P
	75-3131-2	Line-fuel tank vent #1 to #2 (not shown)	N-P
	75-3131-3	Line-fuel tank vent #2 to trailing edge (not shown)	N-P
55	811FT-4	Nipple-fuel vent line	N-S
56	906-16	Plug-square head tapped-fuel tank sump (for quick drain) 2 required	N-S
57	CCA-1600	Quick drain-fuel sump, 2 required	F/N
58	AG75-3160	Strainer assy-fuel outlet, 2 required	FAA-PMA
59	AN900-12	Gasket-75-3160 strainer, 2 required	F/N
60	AG75-3167	Strainer assy-fuel outlet, 2 required, PT-13, PT-17	FAA-PMA

STEARMAN AIRFRAME PARTS

STOCK STEARMAN FUEL SYSTEM PARTS

NEW PRODUCTION STEARMAN FUEL TANK - FAA-PMA

STC#-SA-840-SW



AGB75-3101 Standard Size Tank
Approved for Standard Category
50 Gallon Capacity
46 Gallon Useable

AGB75-3101M
Approved for Restricted Category
57 Gallon Capacity

HERE IT IS. The New Production ALL Aluminum Stearman Fuel Tank. This tank is manufactured in our shop. Tank is constructed with nine inner aluminum baffles. There are NO rivets used in this tank. The top and bottom skins are TIG rosette welded to baffles and all other parts are also TIG welded. The tank sumps areas are so designed that they are identical to the original, but the cast sumps themselves are welded to the sump area instead of using screws and gaskets. We have installed the cast sump in this manner to solve the gas leaking around gasket and through the screw threads. We also have machined the cast sumps using pipe threads for the fittings, again to help preven fuel leaks.

FUEL LINE INSTALLATION-FUEL COCK TO ENGINE
R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

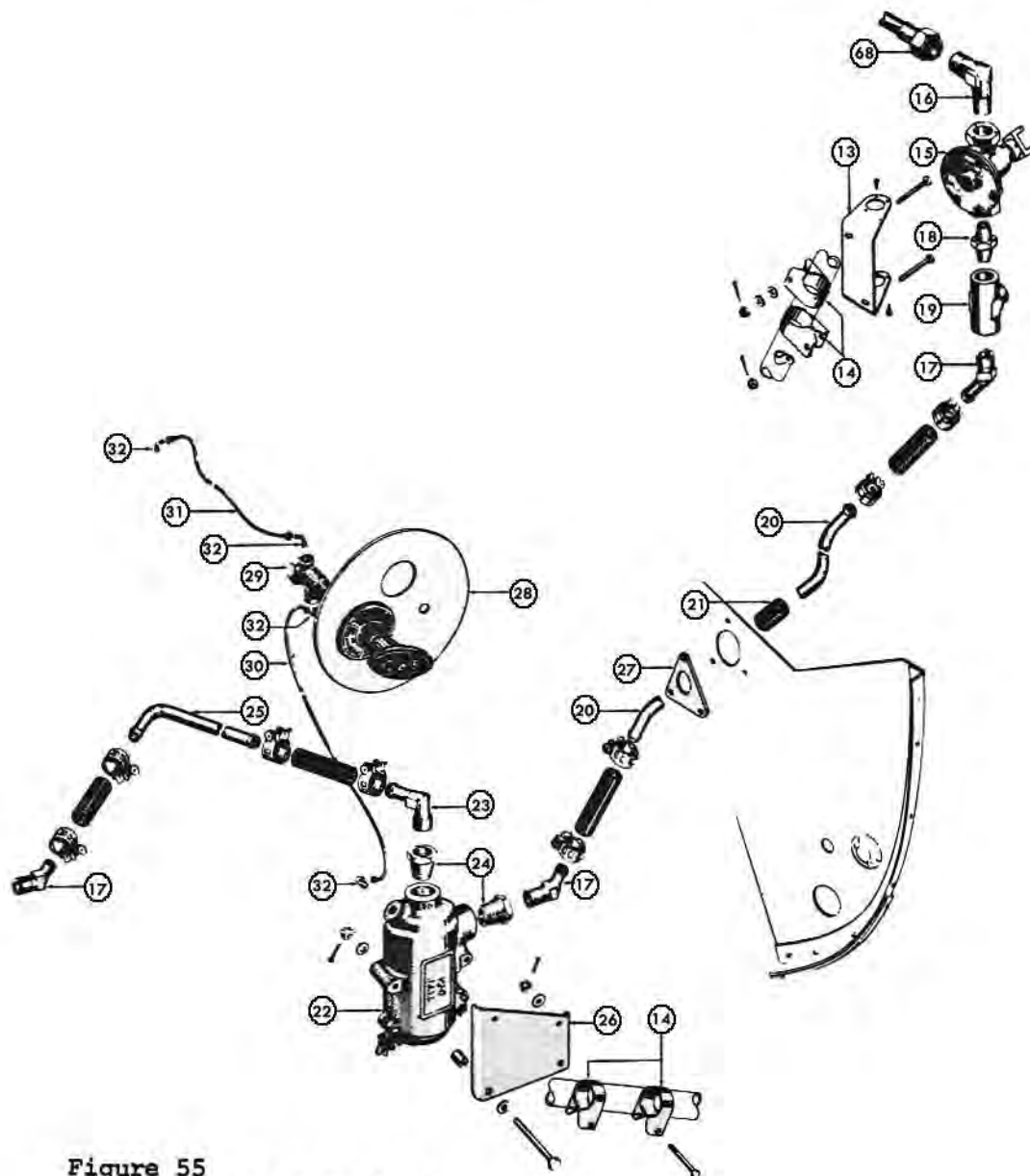


Figure 55
Fuel System Installation

Index

No.	Part No.	Description	Cond.
13	75-3142	Bracket-fuel cock support, R-670, R-680	N-P
14	S108-D64	Clamp-1" dia. tube- 75-3142 attach,R-670,R-680	
		2 required	N-S
	AG75-4513-38	Washer-felt, R-670, R-680, 2 required	N-S
	Attach hdw.	2 ea. AN3-15, 2 ea. AN310-3, 2 ea. AN960-10	F/N
15	D-3	Fuel cock-AN400-1, R-670, R-680	Recond.
16	811CT8	Elbow-fuel cock to AG75-3128 line,R-670, R-680	N-S
17	A75N1-3112	Elbow assy, R-670, R-680, 3 required	N-S
	Attach hdw.	6 ea. AN500A6-4	F/N
18	AN911-3	Nipple-fuel cock to AN917-3 tee	N-S

FUEL LINE INSTALLATION-FUEL COCK TO ENGINE

R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued

Figure 55

Index

No.	Part No.	Description	Cond.
19	AN917-3	Tee-fuel cock to strainer line	N-S
20	75-3161	Line-fuel cock to strainer, R-670	N-P
20	AGE75N1-3102	Line-fuel cock to strainer, R-680	FAA-PMA
	Attach parts	2 ea. AN884-8-9 hose, 4 ea. QS100-8W clamps, R-670 & R-680	F/N
21	AG75-3151-2	Hose-fuel line reinforcing, R-670, R-680	F/N
22	C-2A	Fuel strainer assy, R-670, R-680 (AN4000-2A)	N-S
	C-2AG	Gasket-C2A screen to cap, R-670, R-680	F/N
	C-2AS	Screen replacement-C2A strainer, R-670, R-680	N-S
23	A75N1-3112	Elbow assy-C2A strainer to strainer to engine line, R-670, R-680	N-S
25	A75N1-3101	Fuel line-C2A strainer to engine, R-670	N-P
25	75-3162	Fuel line-C2A strainer to engine, R-680	N-P
	Attach parts	2 ea. AN884-8-9, 4 ea. QS100-8W, R-670, R-680	F/N
26	75-3137	Channel-C2A strainer support	N-S
14	S-108-D64	Clamp-1" dia. tube, 75-3137 attach, 2 required, R-670, R-680	N-S
	Attach hdw.	2 ea. AN3-15, 2 ea. AN310-3, 4 ea. AN380-2-2, 2 ea. AN960-10, 2 ea. S-254-37, 2 ea. AN4-25, 2 ea. AN310-4, 2 ea. AN960-416, 1 ea. 835-6	F/N
27	AG75-3157	Plate-fuel line support, on firewall	FAA-PMA
	Attach hdw.	3 ea. AN515-6-7, 3 ea. AN365-632A, 3 ea. AN960-10	F/N
28	75-2410	Panel-starter, R-670, R-680	N-S
29	401-1A	Primer-engine, Parker-original Stearman, R-670, R-680	Recond.
	Attach hdw.	3 ea. AN515-8-10, 3 ea. AN365-832A, 3 ea. AN960-8	F/N
30	AG75-3168-1	Primer line-strainer to primer, R-680	FAA-PMA
30	AG75-3168-5	Primer line-strainer to primer, R-670	FAA-PMA
31	AG75-3168-2	Primer line-primer to engine, R-680	FAA-PMA
	AG75-3168-6	Primer line-primer to engine, R-670	FAA-PMA
32	AN790-2	Elbow union, 75-3168-1 & -2 to primer, R-670	N-S
	8-1538-1	Packing seal for 401-1A 1/2" primer	F/N
	8-1538-2	Packing seal for 401-2A 3/4" primer	F/N

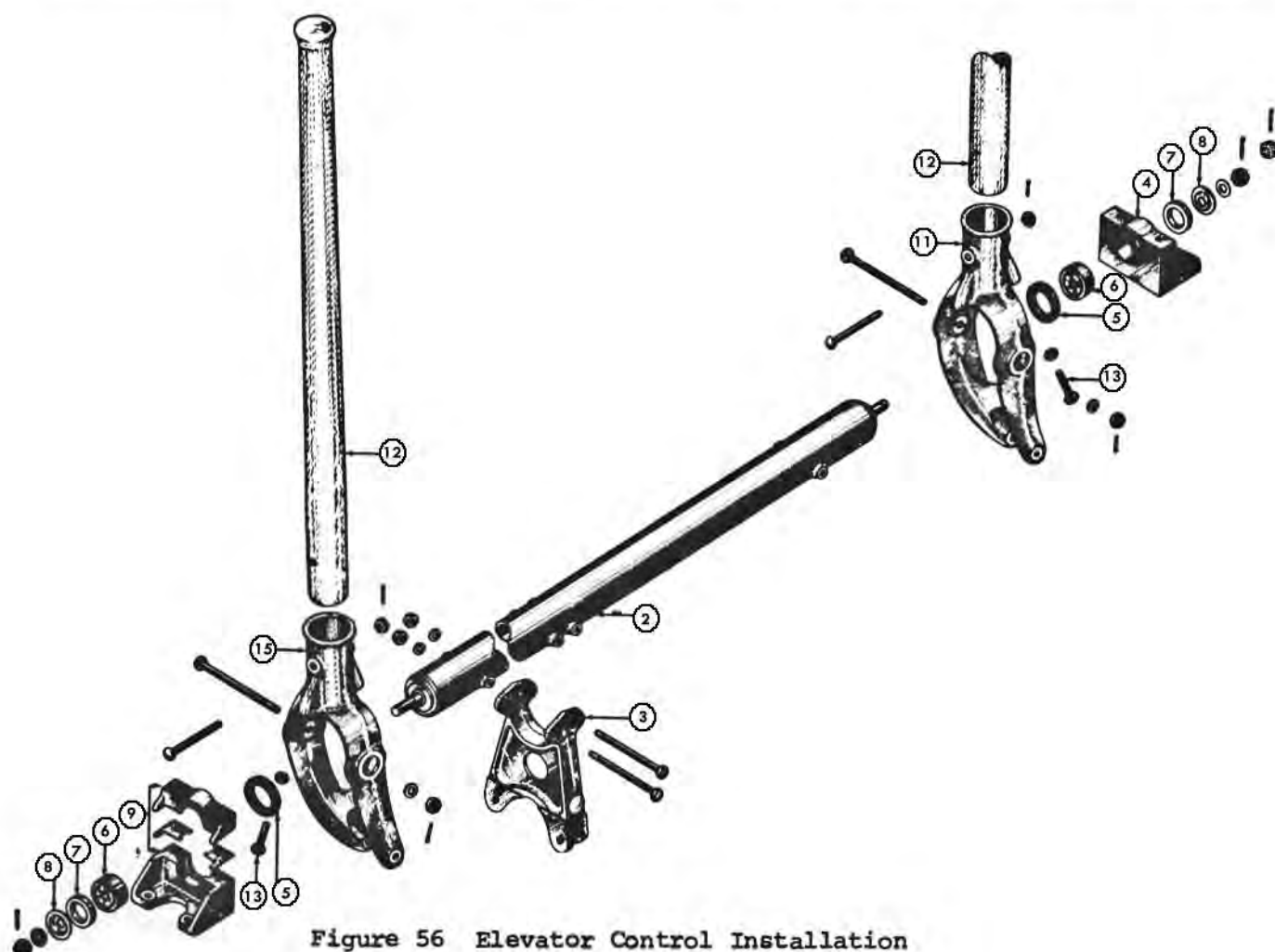


Figure 56 Elevator Control Installation

Index	No.	Part No.	Description	Cond.
	2	AG75-3353	Tube assy-control stick torque	FAA-PMA
	3	75-3352	Horn-aileron control	N-S
		Attach hdw.	2 ea. AN4-30A, 2 ea. AN960-416, 2 ea. AN365-428A	F/N
	4	AG73-3301	Bearing housing-rear	FAA-PMA
	5	AG75-3336	Washer-felt, AG73-3301	FAA-PMA
	6	201-KS	Bearing, AG73-3301	F/N
	7	AG75-3359	Washer-felt, AG73-3301	FAA-PMA
	8	AG75-3358	Shield-bearing dust, AG73-3301	FAA-PMA
		Attach hdw.	1 ea. AN310-6, 1 ea. AN960-616, 1 ea. AN380-3-3	F/N
	9	AG73-3310	Bearing housing-front	FAA-PMA
		AG73-3310-1	Shim-AG73-3310-2 cap to AG73-3310-3 base, 2 req.	FAA-PMA
	5	AG75-3336	Washer-felt, AG73-3310	FAA-PMA
	6	201-KS	Bearing, AG73-3310	F/N
	7	AG75-3359	Washer-felt, AG73-3310	FAA-PMA
	8	AG75-3358	Shield-bearing dust, AG73-3310	FAA-PMA
		Attach hdw.	1 ea. AN310-6, 1 ea. AN960-616, 1 ea. AN380-2-2	F/N
	11 & 12	75-3362-1	Stick & socket assy-rear, wood	Recond.
	11 & 12	75-3362-1M	Stick & socket assy-rear, metal	Recond.
	11	73-3302-3	Socket assy-rear stick	Recond.
		K-4	Replacement bearing, 2 required	F/N

INSTALLATION CONTROL STIC, COCKPITS- R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 continued
Figure 56

Index

No.	Part No.	Description	Cond.
12	AG75-3360	Stick-wood,control front or rear	FAA-PMA
12	AG75-3347	Stick-metal, control front or rear	FAA-PMA
	Attach hdw.	2 ea. AN24-36, 2 ea. AN320-4, 2 ea. AN380-2-2, 2 ea. AN960-416, 2 ea. AN316-4	F/N
13	75-3326-1	Bolt-control stop, 2 required	F/N
15 & 16	75-3362-2	Stick & socket assy-wood, front	Recond.
15 & 16	75-3362-2M	Stick & socket assy-metal, front	Recond.
15	73-3302-2	Socket assy-front	Recond.
	K-4	Replacement bearing, 2 required	F/N
	Balance attach hdw.	4 ea. AN4-34, 2 ea. AN4-22, 2 ea. AN4-20, 2 ea. AN4-6, 8 ea. AN310-4, 8 ea. AN960-416, 8 ea. AN380-2-2	F/N

ELEVATOR CONTROL INSTALLATION - R-670, PT-17, N2S-4, R-680, PT-13, N2S-5

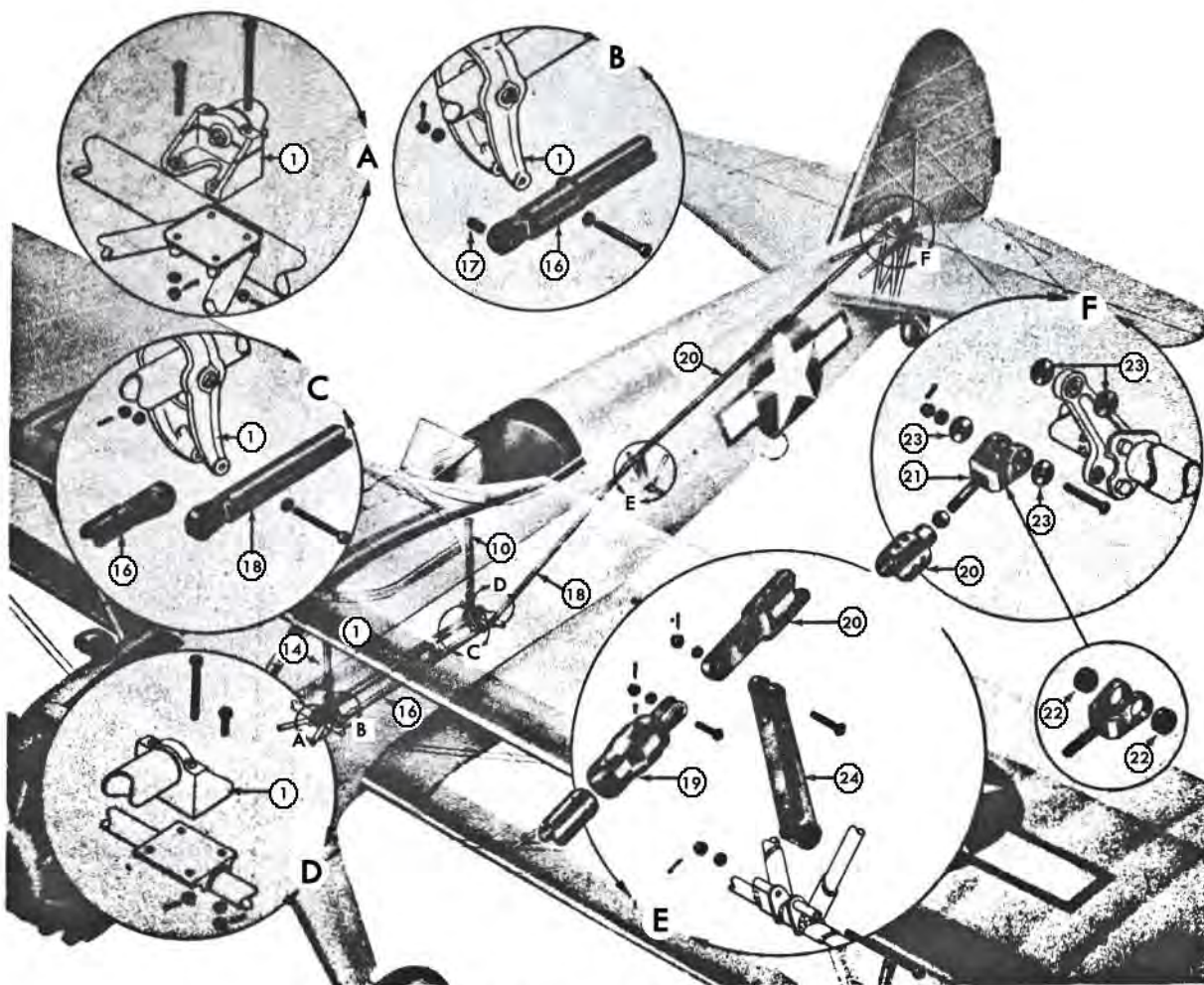


Figure 57 Elevator Control Installation

ELEVATOR CONTROL INSTALLATION - R-670, PT-17, N2S-4, R-680, PT-13, N2S-5 continued

Figure 57

Index

No.	Part No.	Description	Cond.
16	75-3342	Tube assy-interstick push pull	Recond.
16	AG75-3342	Tube assy-interstick push pull	FAA-PMA
17	S-254-31	Spacer-1/4" bolt, 75-3342 tube	N-P
	Attach hdw.	1 ea. AN4-22, 2 ea. AN960-10, 1 ea. AN310-4, 1 ea. AN380-2-2	F/N
18	AG75-3332	Tube assy-elevator push pull front	FAA-PMA
18	75-3332	Tube assy-elevator push pull front	Recond.
19	AG75-3334-5	Terminal assy-front (AG75-3332 tube)	FAA-PMA
	AG75-3334-1	Housing support part of AG75-3334-5	FAA-PMA
	AG75-3334-2	Bearing housing part of AG75-3334-5	FAA-PMA
	K5	Replacement bearing for AG75-3334-5 terminal	FAA-PMA
	AG75-3334-4	Washer for AG75-3334-5 terminal	FAA-PMA
	AG75-3334-3	Clevis terminal for AG75-3334-5 terminal	FAA-PMA
	Attach hdw.	1 ea. AN315-5, 1 ea. AN316-5, 1 ea. AN501A8-5, 1 ea. AN960-516	F/N
	AG75-3311-3	Fitting-AG75-3332 push pull tube front end	FAA-PMA
	K-S4	Replacement bearing-AG75-3332 tube, front end	F/N
	Attach hdw.	AG75-3332 front 1 ea. AN4-22, 2 ea. AN960-416, 1 ea. AN310-4, 1 ea. AN380-2-2	F/N
20	AG75-3333-1	Tube assy-elevator push pull rear	FAA-PMA
20	75-3333-1	Tube assy-elevator push pull rear	Recond.
	AG75-3335-1	Fitting-rear elevator push pull tube front	FAA-PMA
	K-4	Replacement bearing, AG75-3335-1	F/N
	K-S4	Replacement bearing, AG75-3335-1	F/N
	AG75-3335-2	Fitting-rear elevator push pull tube, rear	FAA-PMA
21	75-3339	Terminal assy-with bushings, elevator push pull tube, rear	FAA-PMA
	AG75-3344	Terminal without bushings, elevator push pull tube, rear	FAA-PMA
22	75-3328	Bushing-elevator push pull tube-rubber, 2 required	N-P
	Attach hdw.	1 ea. AN316-4, 1 ea. AN24-17, 1 ea. AN24-30, 1 ea. AN960-416, 1 ea. AN320-4, 1 ea. AN380-2-2	F/N
23	AG75-4513-33	Washer-special, 4 required	FAA-PMA
	Attach hdw.	1 ea. AN960-416L, 1 ea. AN320-4, 1 ea. AN380-2-2	F/N
24	75-3331	Idler assy-elevator push pull tube	N-S
	S-226-16S	Replacement bushing - 75-3331 idler, 2 required	N-P
	K-4	Replacement bearing for 75-3331 idler, 2 required	FAA-PMA
	Attach hdw.	1 ea. AN4-35, 1 ea. AN24-21, 1 ea. AN310-4, 2 ea. AN960-416, 2 ea. AN380-2-2	F/N

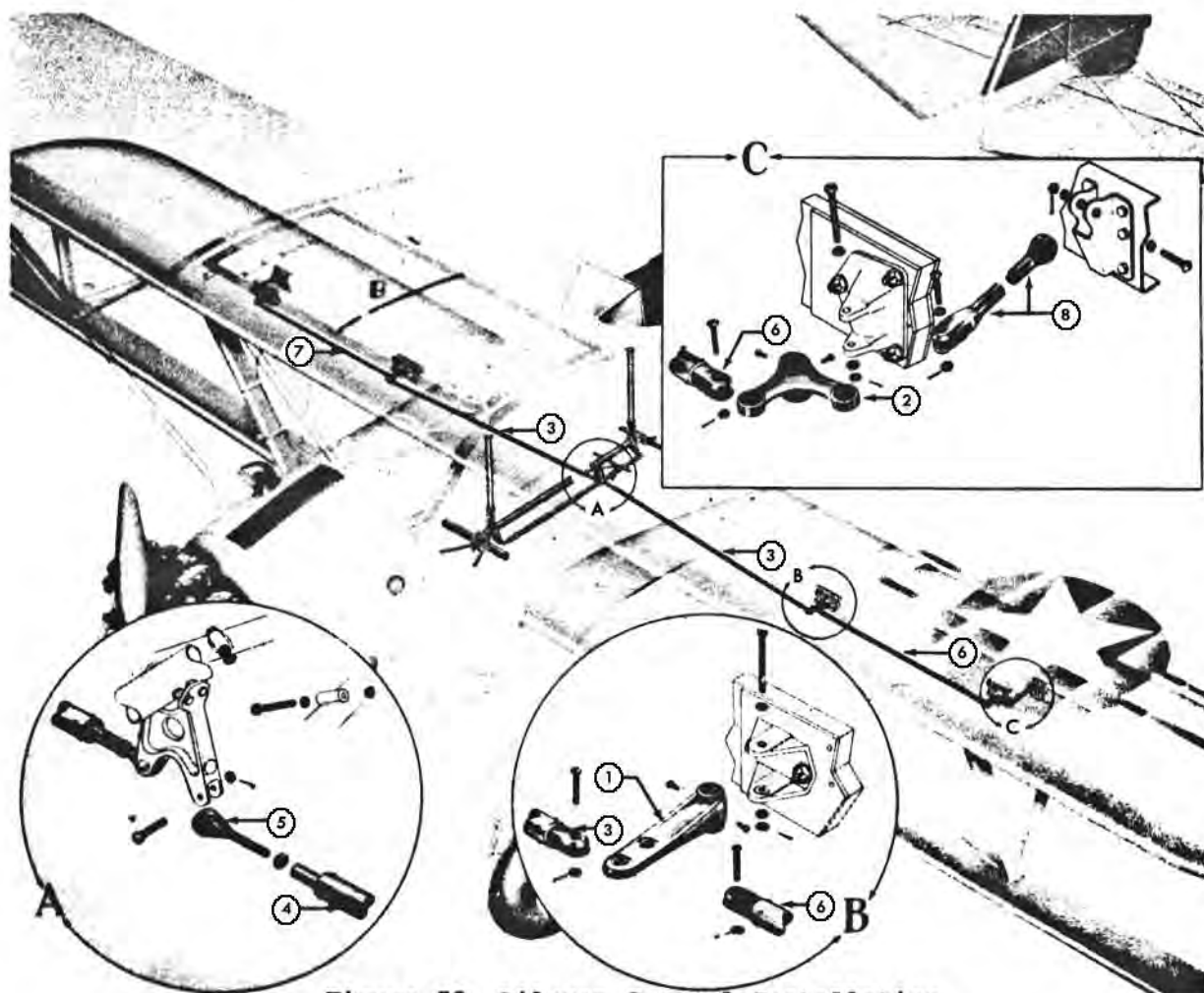


Figure 58 Aileron Control Installation

Index No.	Part No.	Description	Cond.
1	75-3346	Idler assy-aileron control, 2 required	N-S
	KS-4	Replacement bearing, 75-3346 idler, 2 required	F/N
	K-4	Replacement bearing, 75-3346 idler (hub end,) 2 req.	F/N
	Attach hdw.	1 ea. AN4-26, 1 ea. AN320-4, 1 ea. AN380-2-2, 2 ea. AN960-416	F/N
2	75-3313	Bellcrank assy-aileron control, 2 required	N-S
	KS-4	Replacement bearing, 75-3313 tube ends, 2 required	F/N
	K-4	Replacement bearing, 75-3313 hub end, 2 required	F/N
	Attach hdw.	1 ea. AN4-23, 1 ea. AN320-4, 1 ea. AN960-416, 1 ea. AN380-2-2	F/N
3	AG75-3325-1	Tube assy-aileron adjustable push pull w/eye & nut, 2 required	FAA-PMA
4	AG75-3325-2	Same as above except without eye & nut	FAA-PMA
	AGS-276-8S	Replacement bushing, flanged, 2 required	FAA-PMA
5	AG75-3355	Eye assy-aileron adjustable push pull tube, 2 req.	FAA-PMA
	AN316-6	Nut-check, AG75-3355 eye	F/N
	KS-4	Replacement bearing, AG75-3355 eye	F/N
	Attach hdw.	1 ea. AN24-18, 1 ea. AN320-4, 1 ea. AN24-19, 2 ea. AN380-2-2	F/N

AILERON CONTROL INSTALLATION - R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued

Figure 58

Index

No.	Part No.	Description	Cond.
6	75-3327	Tube assy-aileron push pull lh	N-S
7	75-3327-1	Tube assy-aileron push pull rh	N-S
	AGS-276-8S	Replacement bushing, 75-3327, 3327-1 tubes, 4 req. FAA-PMA	
	Attach hdw.	2 ea. AN24-19, 2 ea. AN320-4, 2 ea. AN380-2-2	F/N
8	75-3349	Link assy-aileron control, 2 required	N-S
	S-226-10S	Replacement bushing-3/8" press, 75-3349 link, 4 req.	N-P
	KS-4	Replacement bearing, 75-3349 link, 2 required	F/N
	Attach hdw.	1 ea. AN24-18, 1 ea. AN24-19, 2 ea. AN320-4, 3 ea. AN960-416, 2 ea. AN380-2-2	F/N
	75-3326-1	Bolt-aileron horn control stop, 2 required	N-S
	AN316-4	Nut, 75-3326 bolt, 2 required	F/N
	AN364-428A	Nut, 75-3326 bolt, 2 required	F/N

HYDRAULIC BRAKE INSTALLATION - R-670, PT-17, N2S-4, R-680, PT-13, N2S-5

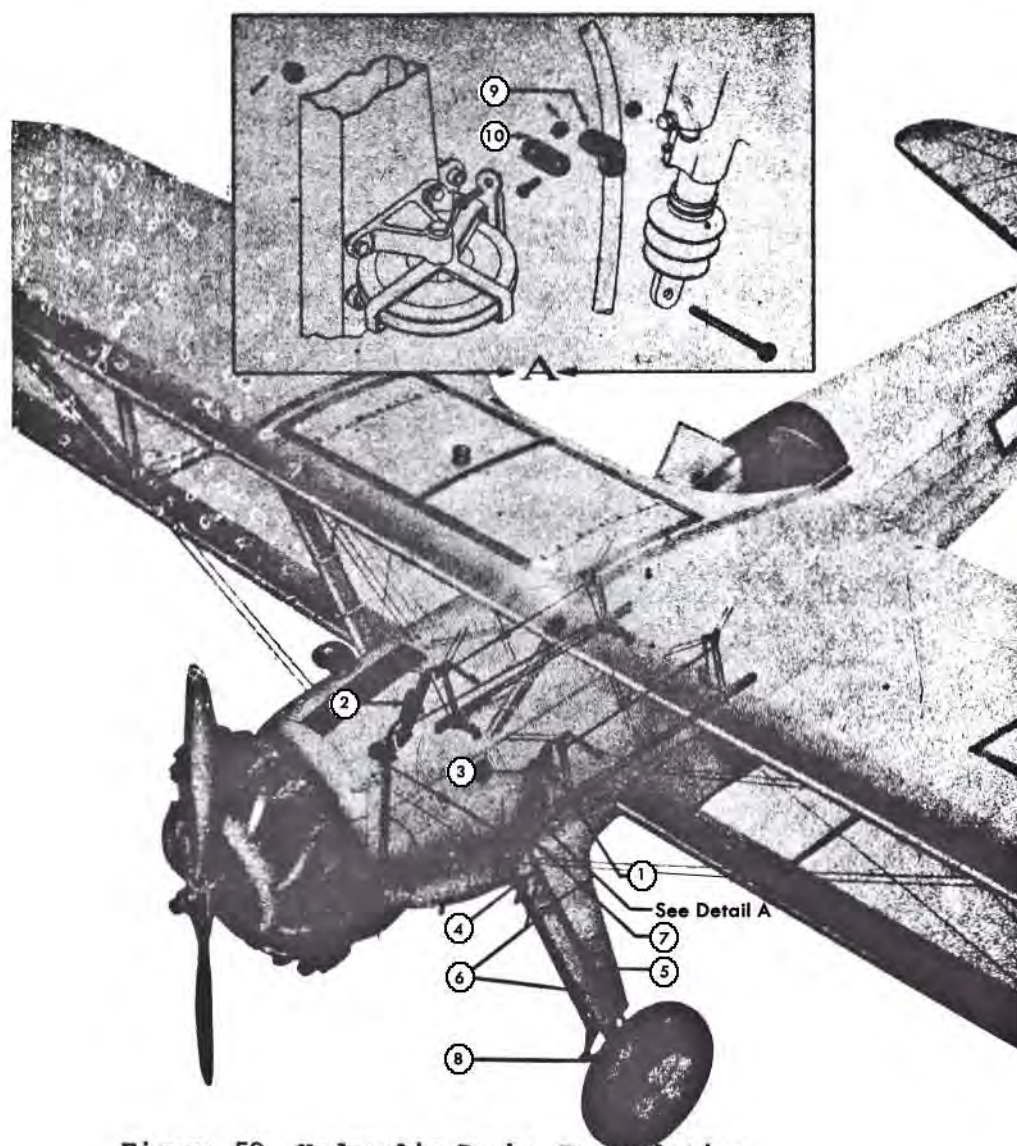


Figure 59 Hydraulic Brake Installation

MASTER BRAKE CYLINDER COMPONENT PARTS
Both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

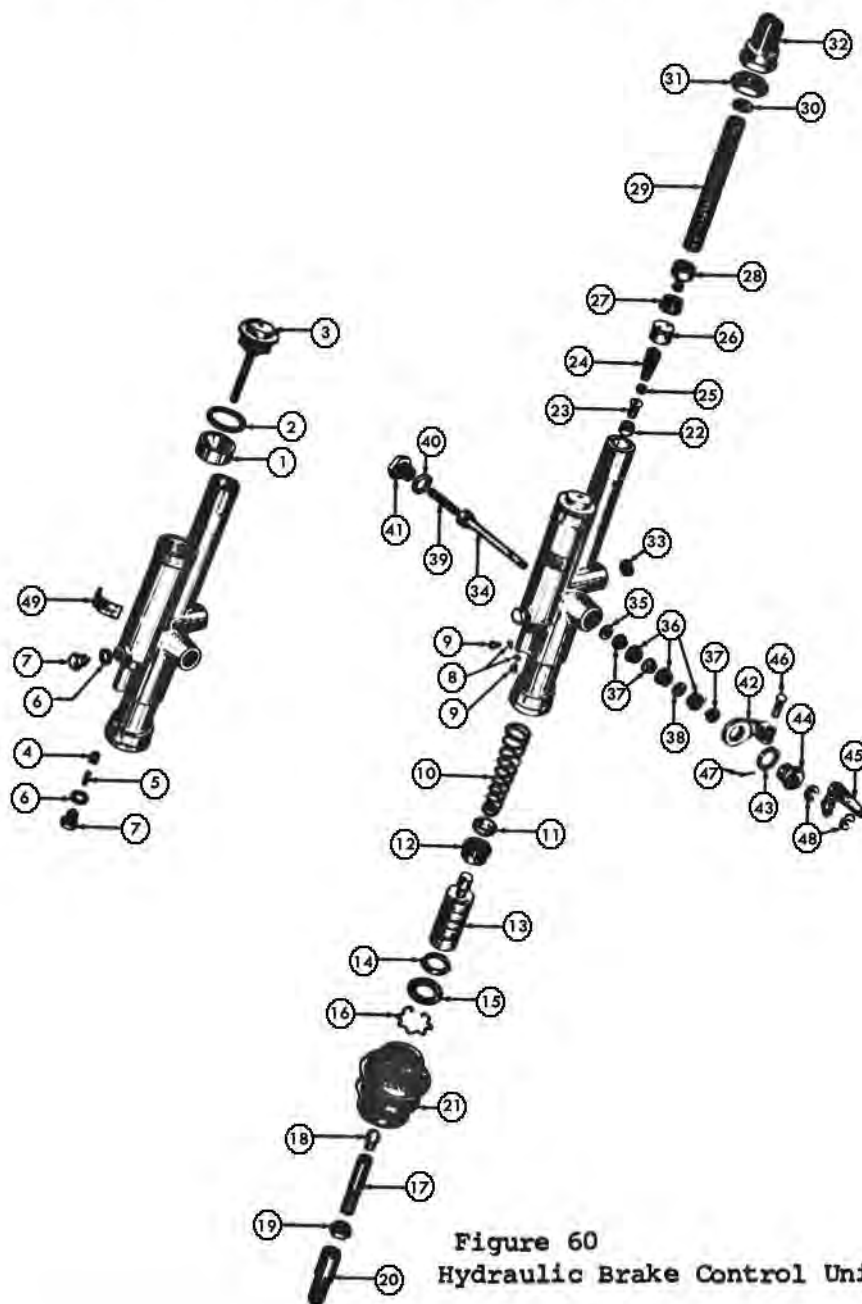


Figure 60
Hydraulic Brake Control Unit

Index		Description	Cond.
No.	Part No.		
	52543	Case-bare, master cylinder	Recond.
	DS-57811	Master cylinder overhaul kit	F/N
1	52542	Baffle-reservoir disc	N-S
2	59102	Gasket-reservoir cap	N-S
3	56742	Reservoir cap & check valve assy	Recond.
	56747	Ball-5/16" stainless steel check	F/N
4	59100	Valve-reservoir check	N-S
5	52384	Spring-reservoir check valve	N-S
6	174-S-4	Gasket-reservoir plug, 2 required	N-S
7	52245	Plug-reservoir, 2 required	N-S
8	174-S-1	Gasket-#6 bleeder screw, 2 required	N-S

MASTER BRAKE CYLINDER COMPONENT PARTS continued

Both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

Figure 60

Index

No.	Part No.	Description	Cond.
9	52107	Screw-#6-32 bleeder, 2 required	N-S
10	52150	Spring-master cylinder piston return	F/N
11	52151	Cup-master cylinder return spring retainer	N-S
12	57763	Cup-master cylinder piston	F/N
13	52152	Piston-7/8" dia. master cylinder	N-S
14	57859	Seal-master cylinder piston	F/N
15	52469	Washer-master cylinder piston retainer	N-S
16	59173	Ring-master cylinder bronze snap	N-S
	52232	Rod assy-push	N-S
17	52248	Rod-master cylinder push	N-S
18	51601	Button-push rod	N-S
19	117-S-4	Nut-push rod	N-S
20	52258	Fitting-push rod	N-S
21	56885	Boot-master cylinder push rod	F/N
22	56887	Cup-parking brake valve	N-S
23	52744	Valve-parking brake	N-S
24	52383	Spring-valve	N-S
25	52250	Retainer-valve spring	N-S
26	52743	Cage-valve	N-S
27	56880	Cup-3/4" compensator	F/N
28	52238	Piston-compensator	N-S
29	52484	Spring-compensator	N-S
30	55563	Clip-compensator spring	N-S
31	52237	Nut-case cap jam	N-S
32	52263	Cap assy-compensating chamber	Recond.
33	52264	Stop-compensator spacer	N-S
34	52251	Control-parking brake valve	Recond.
35	52259	Washer-parking brake valve cup inner	N-S
36	56889	Cup-parking brake valve, 3 required	F/N
37	52230	Spacer-parking brake valve cap, 3 required	N-S
38	58176	Washer-parking brake valve cup outer	N-S
39	55182	Spring-valve control	N-S
40	174-S-19	Gasket-parking brake valve	N-S
41	52228	Plug-parking brake valve	N-S
42	55004	Bracket-parking brake valve lever	Recond.
43	174-S-10	Gasket-parking lever nut	N-S
44	55003	Guide-parking brake valve control	N-S
45	52255	Lever-parking brake valve control	Recond.
46	55958	Pin-parking brake valve lever	N-S
47	111-S-24	Pin-parking brake valve lever	N-S
48	52252	Washer-parking brake valve control	N-S
	Attach hdw.	2 ea. AN4-24, 2 ea. AN310-4, 2 ea. AN380-2-2	F/N

MAIN WHEEL ASSEMBLY COMPONENT PARTS, R-670, PT-17, N2S-4, R-680, PT-13, N2S-5

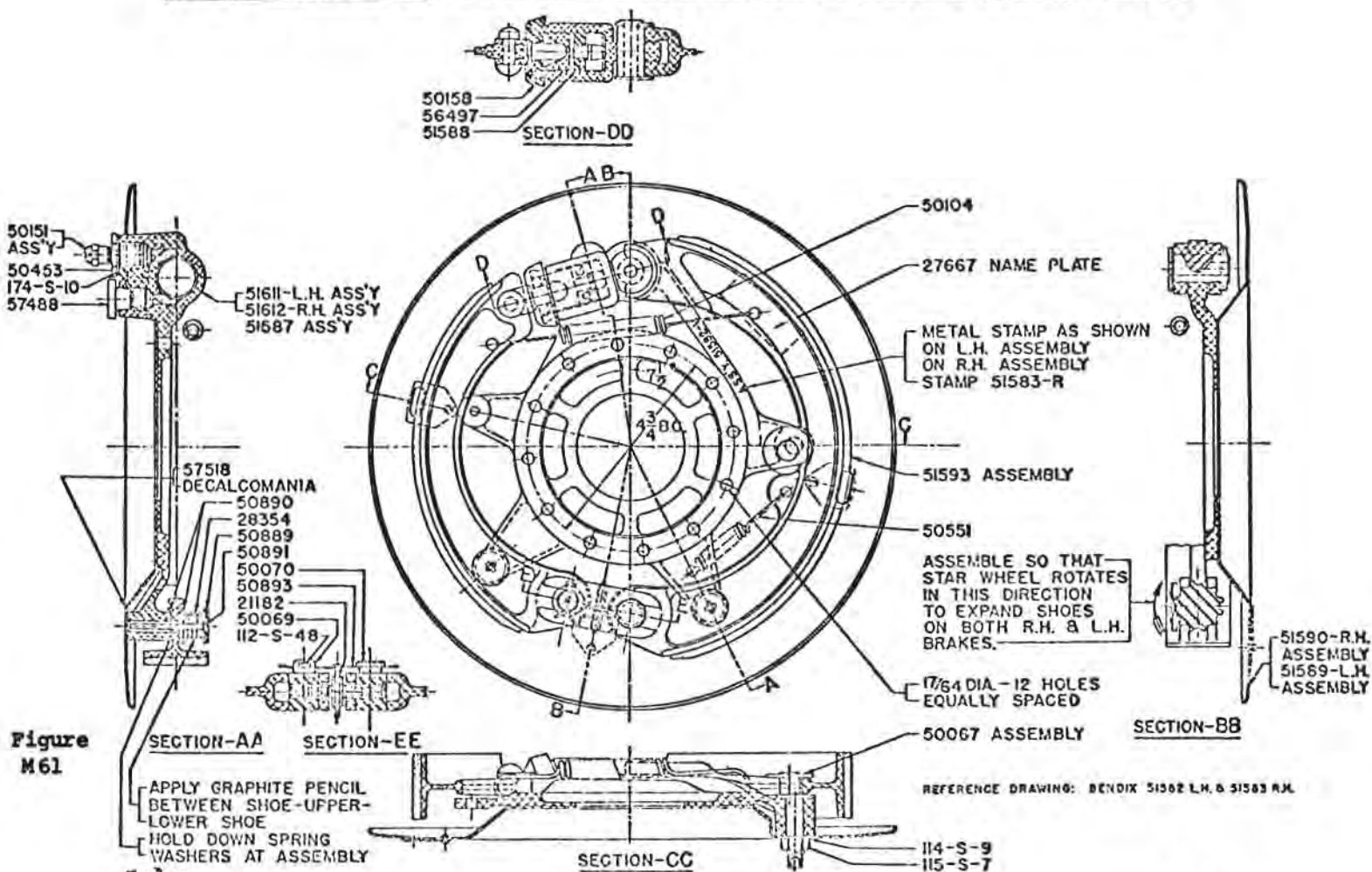


Figure
M61

Index	Part No.	Description	Cond.
	56372	Main wheel assy-complete with bearings & seals	N-S
	56372	Main wheel assy-complete with bearings & seals	Recond.
	50318	Grease cap-main wheel	F/N
	56394	Fairing assy-main wheel, 4 dzus anodized	FAA-PMA
	56583	Brake drum-main wheel	N-S
	DS-118	Bearings only set-main wheel	F/N
	DS-119	Bearings & race set-main wheel	F/N
	107-S-2	Washer-grease retainer main wheel, 2 required	N-S
	108-S-2	Felt seal-grease retainer, 1 required	F/N
	109-S-2	Snap ring-grease retainer, 1 required	N-S

WHEEL BRAKE ASSEMBLY & COMPONENT PARTS

Figure 61

Index			
No.	Part No.	Description	Cond.
51582		Brake assy-complete, lh	O/H
51583		Brake assy-complete, rh	O/H
51587		Brake shoe & lining assy-short	N-S
51593		Brake shoe & lining assy-long	N-S
57718		Lining-brake shoe, short	N-S
57718		Lining-brake shoe, long	N-S

WHEEL BRAKE ASSEMBLY & COMPONENT PARTS continued

Figure 61

Index

No.	Part No.	Description	Cond.
	*51611	Brake spider & wheel cylinder w/new stainless steel liner, lh	O/H
	*51612	Brake spider & wheel cylinder w/new stainless steel liner, rh	O/H
		*CORE CHARGE \$25.00 until your old spider returned	
	56497	Piston-wheel cylinder, anodized	N-P
	56894	Cup-wheel cylinder piston for blue & auto fluid	F/N
	57763	Cup-wheel cylinder piston for red fluid	F/N
	57862	Boot-wheel cylinder	F/N
	DS-103B	Wheel cylinder repair kit-blue or auto fluid, 1 req.	F/N
	DS-103R	Wheel cylinder repair kit-red fluid, 1 required	F/N
	50104	Spring-brake shoe return-long	F/N
	50551	Spring-brake shoe return-short	F/N
	50151	Bleeder screw assy	Serv.
	50453	Adapter-bleeder screw	Serv.
	174-S-10	Gasket-bleeder screw	N-S
	57488	Screw assy	Serv.
	50890	Cup-spring retainer	Serv.
	21182	Star wheel-shoe adjusting	Serv.
	28354	Spring-shoe adjusting	Serv.
	50889	Cup-spring retainer	Serv.
	50891	Pin-cotter	F/N
	50070	Nut-star wheel	N-S
	50893	Spring-star wheel	Serv.
	50069	Nut-star wheel	N-S
	112-S-48	Nut	N-S
	114-S-9	Washer	N-S
	115-S-7	Nut	N-S
	51589	Back plate assy, lh	Recond.
	51590	Back plate assy, rh	Recond.
	AG-776	Banjo fitting-brake hose	N-P
	AG-678	Banjo bolt-brake hose	F/N
	FC-679	Gasket-large, banjo fitting	F/N
	FC-680	Gasket-small, banjo fitting	F/N

RUDDER CONTROL CABLES & PARTS, R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5
ALL CABLES TESTED & COMPLETE WITH TURNBUCKLE FITTINGS

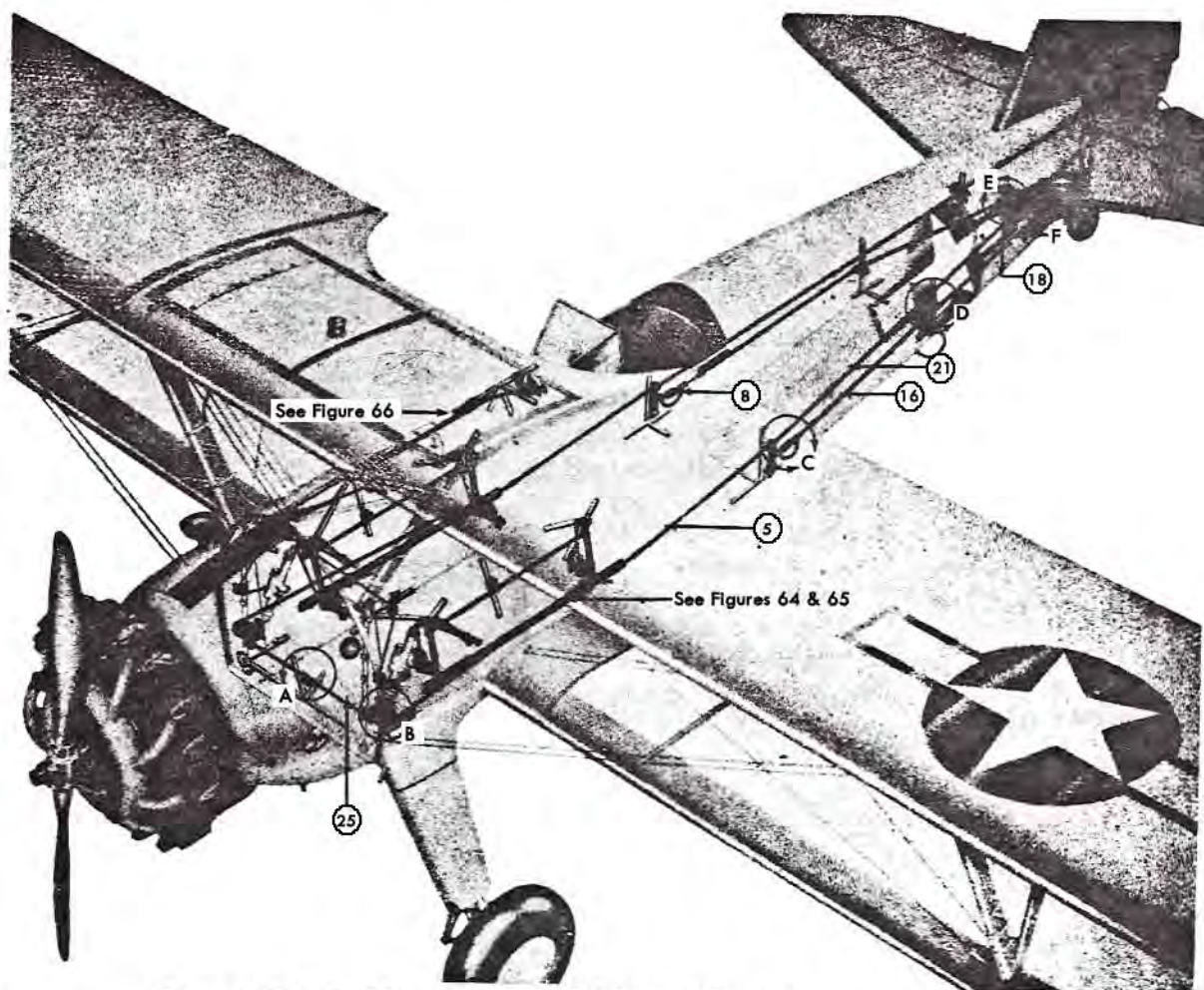


Figure 62 Rudder Control Cables & Parts

Index	Part No.	Description	Cond.
5	AGA75N1-3405-2S	Front rudder cable, stainless steel, 2 required	FAA-PMA
5	AGA75N1-3405-2G	Front rudder cable, galvanized, 2 required	FAA-PMA
	Attach parts	2 ea. AN155-32L, 2 ea. AN161-32LR, 2 ea. AN24-12, 2 ea. AN320-4, 2 ea. AN380-2-2	F/N
8	AGE75-3405-S	Tailwheel safety cable, stainless steel, 2 required	FAA-PMA
8	AGE75-3405-G	Tailwheel safety cable, galvanized, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN115-32	F/N
16	AG75-3488HS	Stearable cable w/housing, stainless steel, 2 req.	FAA-PMA
16	AG75-3488HG	Stearable cable w/housing, galvanized, 2 required	FAA-PMA
16	AG75-3488-S	Stearable cable less housing, stainless steel, 2 req.	FAA-PMA
16	AG75-3488-G	Stearable cable less housing, galvanized, 2 required	FAA-PMA
	Attach parts	2 ea. AN165-32L, 2 ea. AN155-32L, 2 ea. AN161-32LL 2 ea. AN24-12, 2 ea. AN320-4, 2 ea. AN380-2-2, 4 ea. AN115-32, 6 ea. AN24-12, 6 ea. AN320-4, 6 ea. AN380-2-2	F/N
18	AGE75N1-3407	Bracket assy-rudder cable self-aligning pulley, 2 req.	FAA-PMA
21	AGA75N1-3405-3S	Rear rudder cable, stainless steel, 2 required	FAA-PMA
21	AGA75N1-3405-3G	Rear rudder cable, galvanized, 2 required	FAA-PMA
	Attach parts	2 ea. AN155-32L, 2 ea. AN165-32, 2 ea. AN115-32, 2 ea. AN24-12, 2 ea. AN320-4, 2 ea. AN380-2-2, 2 ea. AN4-13, 2 ea. AN310-4, 2 ea. AN115-32, 2 ea. AN24-12, 2 ea. AN320-4, 4 ea. AN380-2-2	F/N

Figure 62

Index

No.	Part No.	Description	Cond.
31	AGA75N1-34I7-S	Rudder balance cable, stainless steel, 1 required	FAA-PMA
31	AGA75N1-34I7-G	Rudder balance cable, galvanized, 1 required	FAA-PMA
	Attach parts	1 ea. AN155-32S, 1 ea. AN161-32RS, 4 ea. AN24-12, 4 ea. AN320-4, 4 ea. AN380-2-2,	F/N
	DSA75N1-3405-KS	Rudder control cable set, stainless steel	FAA-PMA
	DSA75N1-3405-KG	Rudder control cable set, galvanized	FAA-PMA

RUDDER & STEARABLE CABLE ATTACHING PARTS
R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

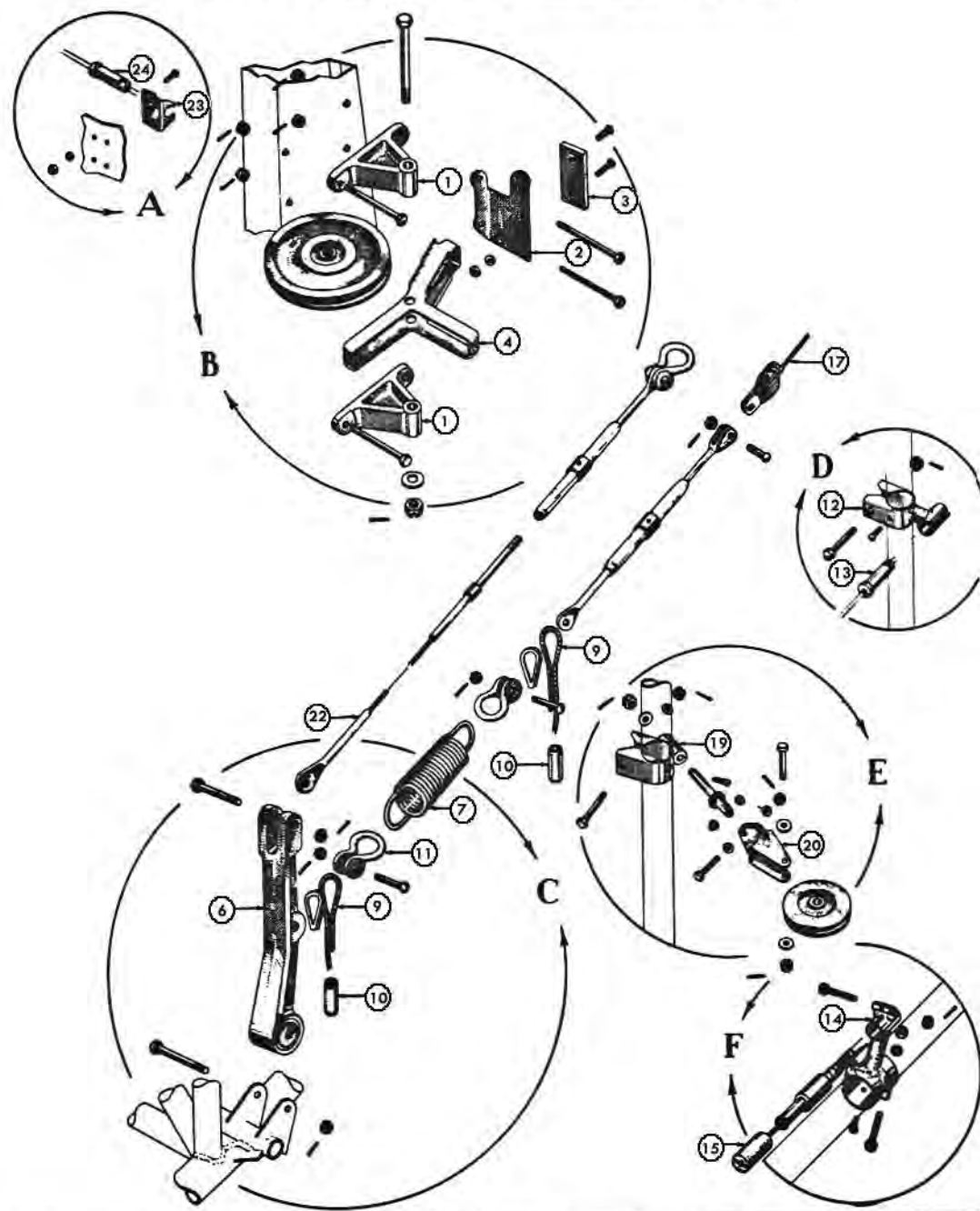


Figure 63 Rudder & Brake Control Installation

RUDDER & STEARABLE CABLE ATTACHING PARTS, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 con'td.

Figure 63

Index

No.	Part No.	Description	Cond.
1	75-3411	Pulley bracket-rudder pedal conn. cable, 2 required	N-S
2	AG75-3413	Stop-rudder control lh	FAA-PMA
2	AG75-3413-1	Stop-rudder control rh	FAA-PMA
	Attach hdw.	2 ea. AN3-22, 2 ea. AN3-23, 4 ea. AN310-3, 4 ea. AN380-2-2	F/N
3	75-3414	Block-rudder control stop	N-S
	AN210-4A	Pulley-cable	F/N
	Attach hdw.	1 ea. AN510-10-8, 1 ea. AN510-10-7, 1 ea. AN365-1032A, 1 ea. AN960-10	F/N
4	75-3412	Guard-rudder cable pulley bracket	N-S
	Attach hdw.	1 ea. AN4-27, 1 ea. AN310-4, 1 ea. AN380-2-2, 1 ea. AN960-416	F/N
6	75-3417	Idler assy-rudder cable lh	N-S
6	75-3417-1	Idler assy-rudder cable rh	N-S
	K-4	Replacement bearing- 75-3417, 3417-1, 2 required	F/N
	S-226-20S	Replacement bushing-3/8" press, 75-3417, 3417-1 2 required	N-P
	S-226-16S	Replacement bushing-3/8" press, 75-3417, 3417-1 1 required	N-P
	Attach hdw.	2 ea. AN4-15, 2 ea. AN310-4, 2 ea. AN380-2-2	F/N
7	73-2705	Spring-tailwheel control cable, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN115-22	F/N
9	AGE75-3405-S	Tailwheel safety cable, 2 required	FAA-PMA
11	AG75-3438	Shackle-tailwheel cable, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN24-15, 2 ea. AN320-4, 2 ea. AN380-2-2	F/N
12	AG75-3444	Bracket-tailwheel cable fairlead, lh	FAA-PMA
12	AG75-3444-1	Bracket-tailwheel cable fairlead, rh	FAA-PMA
	Attach hdw.	2 ea. AN3-12, 2 ea. AN310-3, 2 ea. AN380-3-3, 2 ea. AN530-6-6	F/N
13	75-3493	Fairlead-5/32" cable	N-P
13	DS-126	Fairlead kit, rudder cables, 3 ea. AN75-3493	N-P
14	AG75N1-3427	Support assy-tailwheel cable housing, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN4-11A, 2 ea. AN365-428A, 2 ea. AN960-416, 2 ea. AN530-6-6	F/N
15	75-3448	Fairlead-tailwheel cable housing, 4 required	N-P
15	AG-125	Fairlead kit-tailwheel cable housing, 4 ea. AG75-3448	N-P
	Attach hdw.	2 ea. AN3-11, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
17	AG75-3488HS	Stearable tailwheel cable, s.steel,w/housing,2 req.	FAA-PMA
18	AGE75-3407	Bracket assy-rudder control self-aligning pulley, 2 required	FAA-PMA
19	AGE75-3409	Clamp assy-rudder control pulley, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN43-11, 2 ea. AN960-416, 2 ea. AN310-4 2 ea. AN380-2-2	F/N
20	AGE75-3408	Weld assy-rudder control pulley bracket, 2 required	FAA-PMA
	AN210-3A	Pulley-cable control, 2 required	F/N
	AGS-275-5S	Replacement bushing, AGE75-3408, 4 required	FAA-PMA
	Attach hdw.	2 ea. AN3-7, 4 ea. AN960-10, 2 ea. AN310-3, 2 ea. AN380-2-2, 2 ea. AN4-11, 2 ea. AN960-416, 2 ea. AN310-4, 2 ea. AN380-2-2, 2 ea. AN3-12, 2 ea. AN960-10,2 ea. AN310-3,2 ea. AN380-2, 2 ea. AN530-6-6	F/N
22	AG75-3405-3S	Rear rudder cable assy, stainless steel, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN4-13, 2 ea. AN310-4, 2 ea. AN115-32, 2 ea. AN24-12,2 ea. AN320-4,2 ea. AN380-2-2	F/N

RUDDER & STEARABLE CABLE ATTACHING PARTS,R-670,PT-17,N2S-4 & R-680,Pt-13,N2S-5 cont'd.

Figure 63

Index

No.	Part No.	Description	Cond.
23	AG75-3415	Bracket-Rudder cable fairlead, 2 required	FAA-PMA
	Attach hdw.	8 ea. AN515-6-6, 8 ea. AN365-632A, 8 ea. AN960-6	F/N
24	75-3493	Fairlead-5/32" rear rudder cable	N-P

RUDDER PEDAL INSTALLATION & PARTS
R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

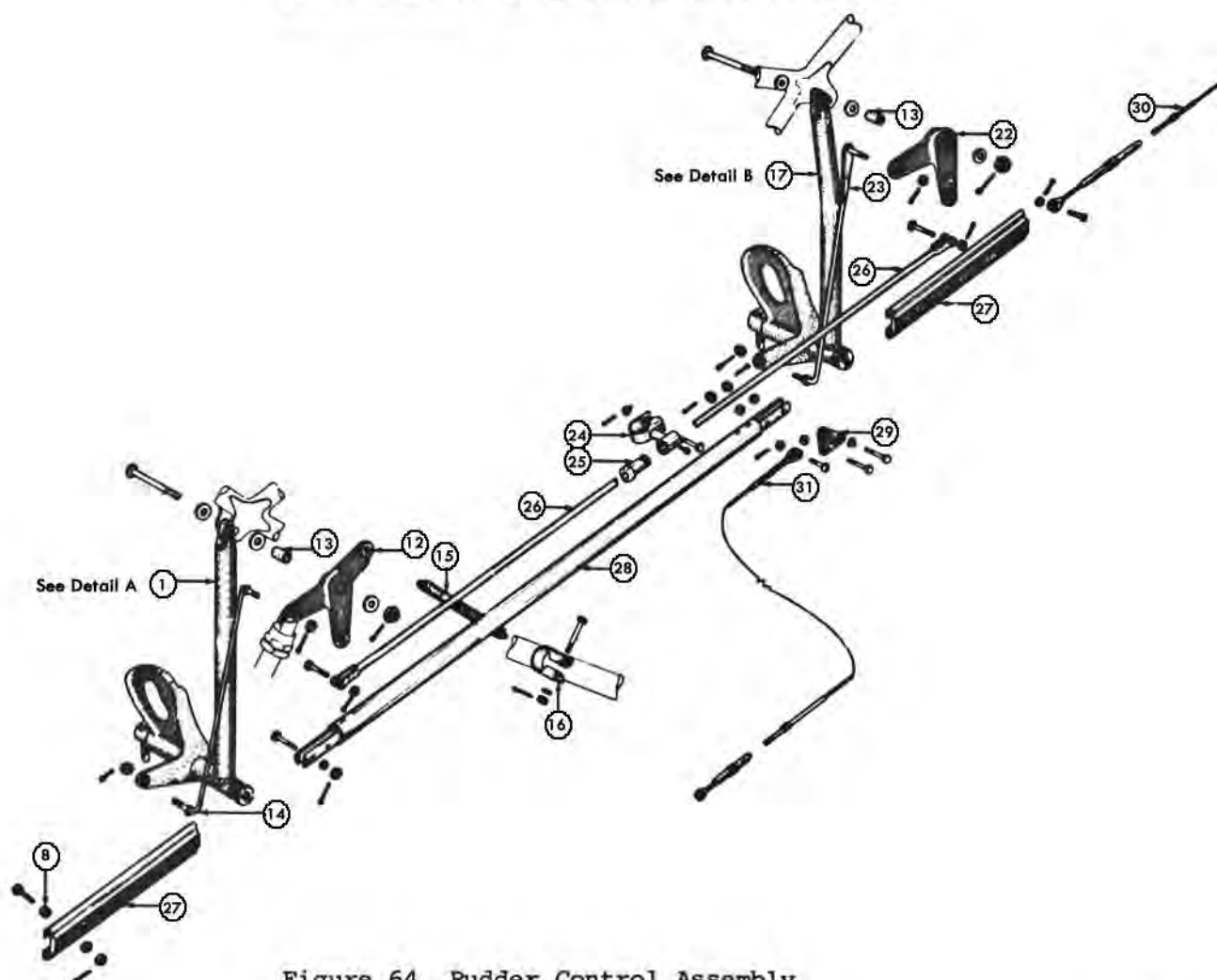


Figure 64 Rudder Control Assembly

Index

No.	Part No.	Description	Cond.
1	AG75-3471	Pedal assy complete, front rudder control	FAA-PMA
1	AG75-3471-1	Pedal assy complete, front rudder control	FAA-PMA
12	75-3475	Bellcrank assy-front brake control lh	N-P
12	75-3475-1	Bellcrank assy-front brake control rh	N-P
	S-226-16S	Replacement bushing AG75-3475, 3475-1, 4 required	N-P
	S-233-48S	Replacement bushing AG75-3475, 3475-1, 2 required	N-P
	AN28-50	Clevis bolt-rudder pedal attach, 2 required	F/N
	Attach hdw.	2 ea. AN320-8, 2 ea. AN380-3-3, 4 ea. AN960-816	F/N
13	S-210-49S	Bushing-5/8" o.d., rudder pedal top, 2 required	N-P
14	AG75-3419	Rod assy-front brake pedal connecting, 2 required	FAA-PMA

RUDDER PEDAL INSTALLATION & PARTS, R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued

Figure 64

Index

No.	Part No.	Description	Cond.
	Attach hdw.	2 ea. AN310-4, 2 ea. AN380-2-2	F/N
15	75-3492	Spring-brake linkage & spark retarder control, 2 req.	N-P
16	S-110-D51	Clamp-1-1/4" tube, 2 required	N-P
	Attach hdw.	2 ea. AN3-16, 2 ea. AN310-3, 2 ea. AN960-10, 2 ea. AN380-2-2	F/N
17	AG75-3472	Pedal assy complete-rear rudder control lh	FAA-PMA
17	AG75-3472-1	Pedal assy complete-rear rudder control rh	FAA-PMA
22	75-3477	Bellcrank assy-rear brake control lh	N-S
22	75-3477-1	Bellcrank assy-rear brake control rh	N-S
	S-226-16S	Replacement bushing-3/8" for 75-3477, 3477-1, 4 required	N-P
	S-233-48S	Replacement bushing-13/16" for 75-3477, 3477-1 2 required	N-P
	AN28-50	Clevis bolt-rear rudder pedal attach, 2 required	F/N
	Attach hdw.	2 ea. AN310-8, 2 ea. AN380-3-3, 4 ea. AN960-816	F/N
13	S-210-49S	Bushing-5/8 o.d., top rudder pedal, 2 required	N-P
23	AG75-3420	Rod assy-rear brake pedal connecting, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN310-4, 4 ea. AN380-2-2	F/N
24	AG75-3449	Support assy-brake control fairlead lh	FAA-PMA
24	AG75-3449-1	Support assy-brake control fairlead rh	FAA-PMA
	Attach hdw.	2 ea. AN3-13, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
25	S-116	Fairlead-3/8" tube for AG75-3418 rod	N-P
	Attach hdw.	2 ea. AN530-6-6	F/N
26	AG75-3418	Tube-brake control bellcrank connecting, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN4-10, 4 ea. AN310-4, 4 ea. AN380-2-2	F/N
27	E75-3413-F	Rack-rudder pedal adjusting front, 2 required	N-P
8	AG73-3426-2	Retainer-rudder pedal adjusting spring, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN4-7, 2 ea. AN310-4, 2 ea. AN380-2-2, 2 ea. AN960-416	F/N
28	AG75-3401	Tube assy-rudder pedal connection, 2 required	FAA-PMA
	Attachhdw.	4 ea. AN4-11, 4 ea. AN310-4, 4 ea. AN380-2-2, 4 ea. AN960-416	F/N
27	E75-3413-R	Rack-rudder pedal adjusting, rear, 2 required	N-P
29	75-3487	Plate assy-rudder pedal connecting plate, 2 required	N-P
	AGS-276-8S	Replacement bushing, flanged- 75-3487 plate, 2 req.	FAA-PMA
	Attach hdw.	4 ea. AN4-12, 4 ea. AN310-4, 4 ea. AN380-2-2, 4 ea. AN960-416	F/N
30	AGA75N1-3405-2S	Front rudder control cable, s.steel, 2 required	FAA-PMA
31	AGA75N1-3417-S	Rudder balance control cable, s.steel, 1 required	FAA-PMA

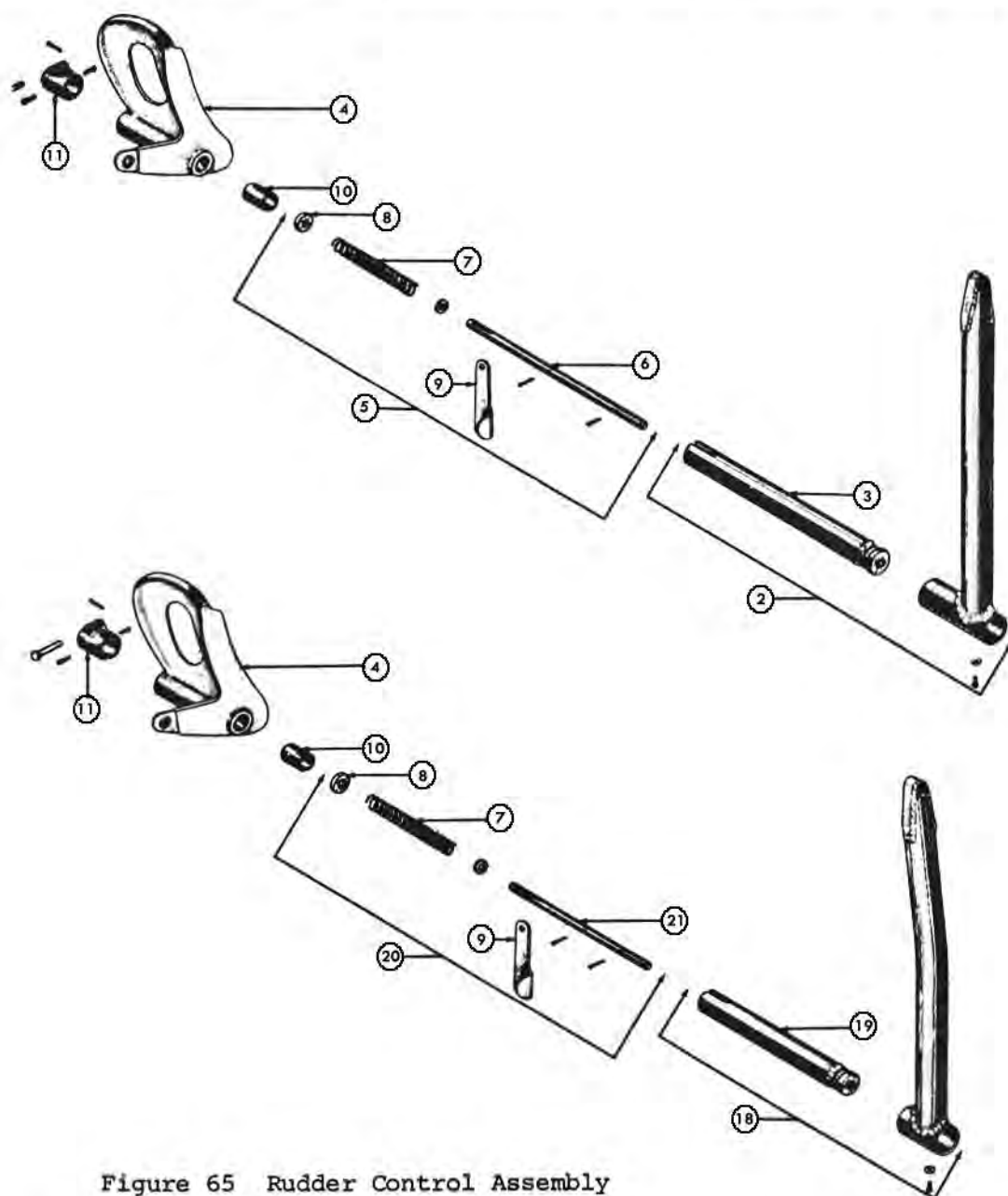


Figure 65 Rudder Control Assembly

Index No.	Part No.	Description	Cond.
2	AG75-3466	Hangar tube assy-front rudder pedal, 2 required	FAA-PMA
3	AG75-3465-2	Tube assy-rudder pedal support, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN530-6-6, 2 ea. AN960-10	F/N
4	AG75-3464	Pedal assy-brake & rudder lh, 1 required	FAA-PMA
4	AG75-3464-1	Pedal assy-brake & rudder rh, 1 required	FAA-PMA
	S-226-16S	Replacement bushing, 75-3464, 3464-1 pedal, 2 req.	N-P
5	AG75-3471-2	Rod assy-front rudder pedal lh & rh	FAA-PMA
6	AG75-3433	Rod-front pedal lock, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN380-3-2, 2 ea. AN960-516	F/N
7	AG73-3431	Spring-rudder pedal adjustment, 2 required	FAA-PMA
8	AG73-3426-1	Stop-rudder pedal adjustment spring, 2 required	FAA-PMA
9	AG73-3424	Lever-rudder pedal adjust lh, 1 required	FAA-PMA

RUDDER PEDAL COMPONENT PARTS, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 continued

Figure 65

Index

No.	Part No.	Description	Cond.
9	AG73-3424-1	Lever-rudder pedal adjust rh, 1 required	FAA-PMA
	Attach hdw.	2 ea. AN380-3-2, 2 ea. AN393-25, 2 ea. AN380-2-2	F/N
10	AG73-3429	Plug-rudder pedal adjustment, 2 required	FAA-PMA
11	AG73-3425	Collar-pedal adjustment lever hinge, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN502-8-4	F/N
18	75-3467	Hangar tube assy-rear rudder pedal, 2 required	Recond.
19	AG75-3465-2	Tube assy-brake pedal support, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN530-6-6, 2 ea. AN960-6	F/N
4	AG75-3464	Pedal assy-brake & rudder rear lh, 1 required	FAA-PMA
4	AG75-3464-1	Pedal assy-brake & rudder rear rh, 1 required	FAA-PMA
	S-226-16S	Replacement bushing-pedal, 2 required	N-P
20	AG75-3472-2	Rod assy-rear rudder control lh, 1 required	FAA-PMA
20	AG75-3472-3	Rod assy-rear rudder control rh, 1 required	FAA-PMA
21	AG75-3474	Rod-rear pedal lock, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN380-3-2, 2 ea. AN960-516	F/N
7	AG73-3431	Spring-rudder pedal adjustment, 2 required	FAA-PMA
8	AG73-3426-1	Stop-rudder pedal adjustment spring, 2 required	FAA-PMA
9	AG73-3424	Lever-rudder pedal adjustment lh, 1 required	FAA-PMA
9	AG73-3424-1	Lever-rudder pedal adjustment rh, 1 required	FAA-PMA
	Attach hdw.	2 ea. AN380-3-2, 2 ea. AN393-25, 2 ea. AN380-2-2	F/N
10	AG73-3429	Plug-rudder pedal adjustment, 2 required	FAA-PMA
11	AG73-3425	Collar-rudder pedal adjustment lever, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN502-8-4	F/N

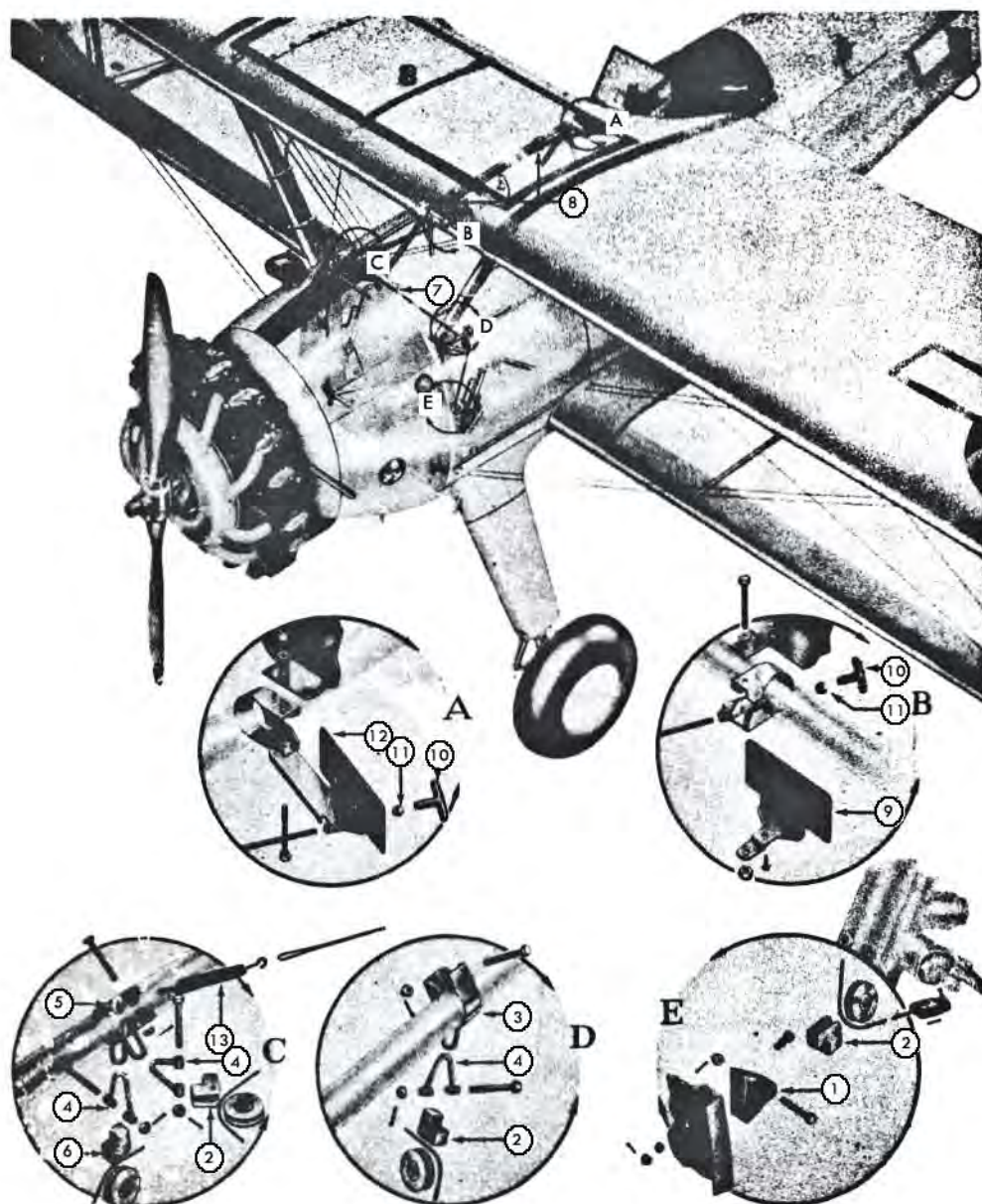


Figure 66 Parking Brake Control Installation

Index		Description	Cond.
No.	Part No.		
	DSB75-3401-MK	Parking brake control installation kit All parts from cockpit to Stock Stearman M/cylinders, less hardware	N-S
1	75-2819	Bracket-starter control pulley, ref "C" & "D", 2 req.	N-S
	AN210-1A	Pulley-75-2819 bracket, 2 required	F/N
	Attach hdw.	4 ea. AN3-4, 4 ea. AN310-3, 4 ea. AN960-10, 4 ea. AN380-2-2	F/N
2	75-2818-2	Guard-1-1/4" dia. pulley (AN210-1A) ref "C" & "D", 2 required	N-S
	Attach hdw.	2 ea. AN3-7, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
3	75-3443-2	Clamp-pulley clevis support, ref "D", 1 required	N-S
	Attach hdw.	1 ea. AN3-14, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N

PARKING BRAKE CONTROL INSTALLATION, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 continued

Figure 66

Index

No.	Part No.	Description	Cond.
4	75-3431	Support-parking brake control pulley,ref. "D",1 req.	N-S
	AN210-1A	Pulley, 1 required	F/N
2	75-2818-2	Guard-AN210-1A pulley, ref. "D", 1 required	N-S
	Attach hdw.	1 ea. AN3-4, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
5	75-3443-1	Clamp-pulley clevis support, ref. "C", 1 required	N-S
	Attach hdw.	1 ea. AN3-14, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
4	75-3431	Support-parking brake control pulley, ref. "C", 2 req.	N-S
	AN210-1A	Pulley-75-2819 bracket, ref."E", 1 required	F/N
6	75-2818-1	Guard-AN210-1A pulley, ref. "C", 1 required	N-S
2	75-2818-2	Guard-AN210-1A pulley, ref. "C", 1 required	N-S
	Attach hdw.	2 ea. AN3-4, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
7	B75-3401	Cable assy-parking brake control, 1 required	N-S
	Attach hdw.	2 ea. AN392-13, 2 ea. AN380-2-2	F/N
8	S-101-D4	Tube clip, 2 required	F/N
9	B75-3406	Support assy-parking brake front name plate	N-S
	Attach hdw.	1 ea. AN530-6-6	F/N
10	73-2813-1	Handle-tee, parking brake pulley, ref. "B", 1 required	F/N
11	AN315-3	Nut-tee handle lock, ref "B"	F/N
12	B75-3405	Support assy-rear name plate parking brake control, ref. "A"	N-S
10	73-2813-1	Handle-tee, parking brake pulley, ref "A", 1 required	F/N
11	AN315-3	Nut-tee handle lock, ref. "A", 1 required	F/N
13	75-3478	Spring-parking brake control, ref. "C", 1 required	N-P

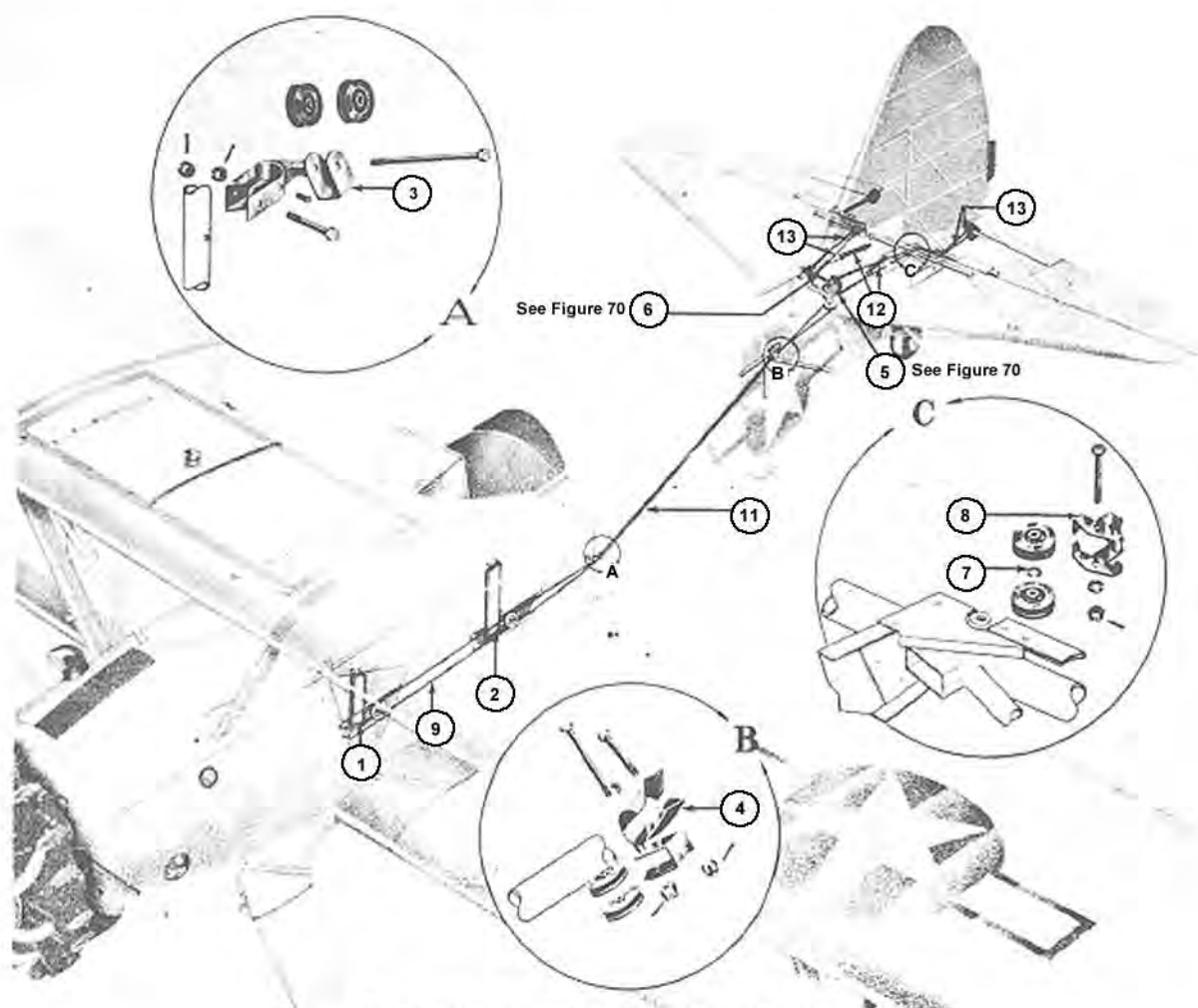


Figure 67 Elevator Tab Control Installation

Index No.	Part No.	Description	Cond.
1	AG75-3501	Control assy-elevator tab control front	FAA-PMA
2	AG75-3502	Control assy-elevator tab control rear	FAA-PMA
3	AG75-3508	Bracket assy-tab control, front pulley	FAA-PMA
* 6	75-3515	Horn assy-dual tab drive	N-S
7	AG75-4513-19	Washer-special, 4 required	FAA-PMA
8	75-1719	Guard-elevator trim tab pulley bracket, 4 required	N-S
	Attach hdw.	4 ea. AN3-13, 4 ea. AN960-10, 4 ea. AN310-3, 4 ea. AN380-2-2	F/N
		NOTE: ALL CABLES TESTED & COMPLETE W/TURNBUCKLES	
9	AGA75N1-3505-2S	Trim tab intercockpit control cable assy, s.steel, w/turnbuckles, 2 required	FAA-PMA
9	AGA75N1-3505-2G	Trim tab intercockpit control cable assy,galvanized, w/turnbuckles, 2 required	FAA-PMA
	S-253-17	Spacer-3/16" bolt	N-P
	Attach parts	1 ea. AN155-16S, 1 ea. AN3-10, 1 ea. AN310-3, 1 ea. AN23-19, 1 ea. AN320-3, 2 ea. AN380-2-2	F/N
10	AGA75N1-3505-3S	Tab control cable assy rear cockpit to non-reverse, short, stainless steel, w/turnbuckles	FAA-PMA
10	AGA75N1-3505-3G	Same as above except galvanized	FAA-PMA
* 4	AG75-3509	Bracket assy-tab control rear pulley	FAA-PMA

Figure 67

No.	Part No.	Description	Cond.
11	AGA75N1-3505-4S	Tab control cable assy rear cockpit to non-reverse, long, stainless steel, w/turnbuckles	FAA-PMA
11	AGA75N1-3505-4G	Same as above except galvanized	FAA-PMA
	S-253-4	Spacer-3/16" bolt	N-P
	S-253-17	Spacer-3/16" bolt	N-P
	Attach hdw.	2 ea. AN155-16S, 1 ea. AN23-19, 1 ea. AN23-11, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N
13	AGA75N1-3507-2S	Tab control cable assy-non-reverse to tabs, stainless steel, w/turnbuckles, 4 required	FAA-PMA
13	AGA75N1-3507-2G	Same as above except galvanized	FAA-PMA
	Attach hdw.	1 ea. AN150-16S, 1 ea. AN23-10, 1 ea. AN960-10L, 1 ea. AN320-3, 1 ea. AN380-2-2, 8 ea. AN23-10, 4 ea. AN960-10, 4 ea. AN960-10L, 8 ea. AN320-3, 8 ea. AN380-2-2	F/N
12	75-3526	Pad-fiber rubbing, 2 required	N-S
	DSA75N1-3505-KS	Trim tab control cable kit, s. steel, 8 cables	FAA-PMA
	DSA75N1-3505-KG	Trim tab control cable kit, galvanized, 8 cables	FAA-PMA

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or motor housing. The main structure consists of a vertical plate (1) and a horizontal plate (2) joined by a central vertical plate (3). Various fasteners, including bolts (4, 5, 6, 7, 8, 9, 10, 11), nuts, and washers, are shown in their respective assembly positions. A large circular flange (11) is shown at the bottom right, with a central shaft or pin (12) passing through it. The diagram uses perspective to show the spatial relationship between the parts.

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ELEVATOR TAB CONTROL-FRONT, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 continued

Figure 68

Index

No.	Part No.	Description	Cond.
	AG75-3501	Control assembly-complete, elevator tab front	FAA-PMA
	AG75-3503	Channel assy-elevator tab control front	FAA-PMA
	A75N1-3512	Plate-tab control name, metal	F/N
	AN23-12	Clevis bolt, 2 required	F/N
2	AG75-4513-4	Washer-special, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN960-10, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N
3	AGA75N1-3508	Housing-tab control shaft	FAA-PMA
	Attach hdw.	4 ea. AN23-10, 4 ea. AN960-10L, 4 ea. AN960-10, 4 ea. AN320-3, 4 ea. AN380-2-2	F/N
4	AG73-3504	Shaft-tab control handle	FAA-PMA
5	AG75-4513-9	Washer-special	FAA-PMA
6	AG75-3506	Handle-tab control	FAA-PMA
7	AG75-3532	Pin-special taper	FAA-PMA
	AGS-258-16	Spacer-1/4" bolt	FAA-PMA
	Attach hdw.	1 ea. AN960-10, 1 ea. AN320-3, 1 ea. AN380-2-2, 1 ea. AN960-816	F/N
8	AG75-3545	Pulley-front tab control	FAA-PMA
	386-2-7	Pin-taper	F/N
	Attach hdw.	1 ea. AN975-3, 1 ea. AN320-3, 1 ea. AN380-2-2	F/N
9	S-110-D51	Clamp-1-1/4" dia. tube, AG75-3503 attach, 4 required	N-P
	Attach hdw.	4 ea. AN3-17, 4 ea. AN960-10, 4 ea. AN310-3, 4 ea. AN380-2-2	F/N
10	S-108-D51	Clamp-1" dia tube, AG75-3503 attach, 2 required	N-P
	Attach hdw.	2 ea. AN3-15, 2 ea. AN960-10, 2 ea. AN310-3, 2 ea. AN380-2-2	F/N
11	AGA75N1-3505-2S	Tab control cable-intercockpit, s. steel, 2 required	FAA-PMA

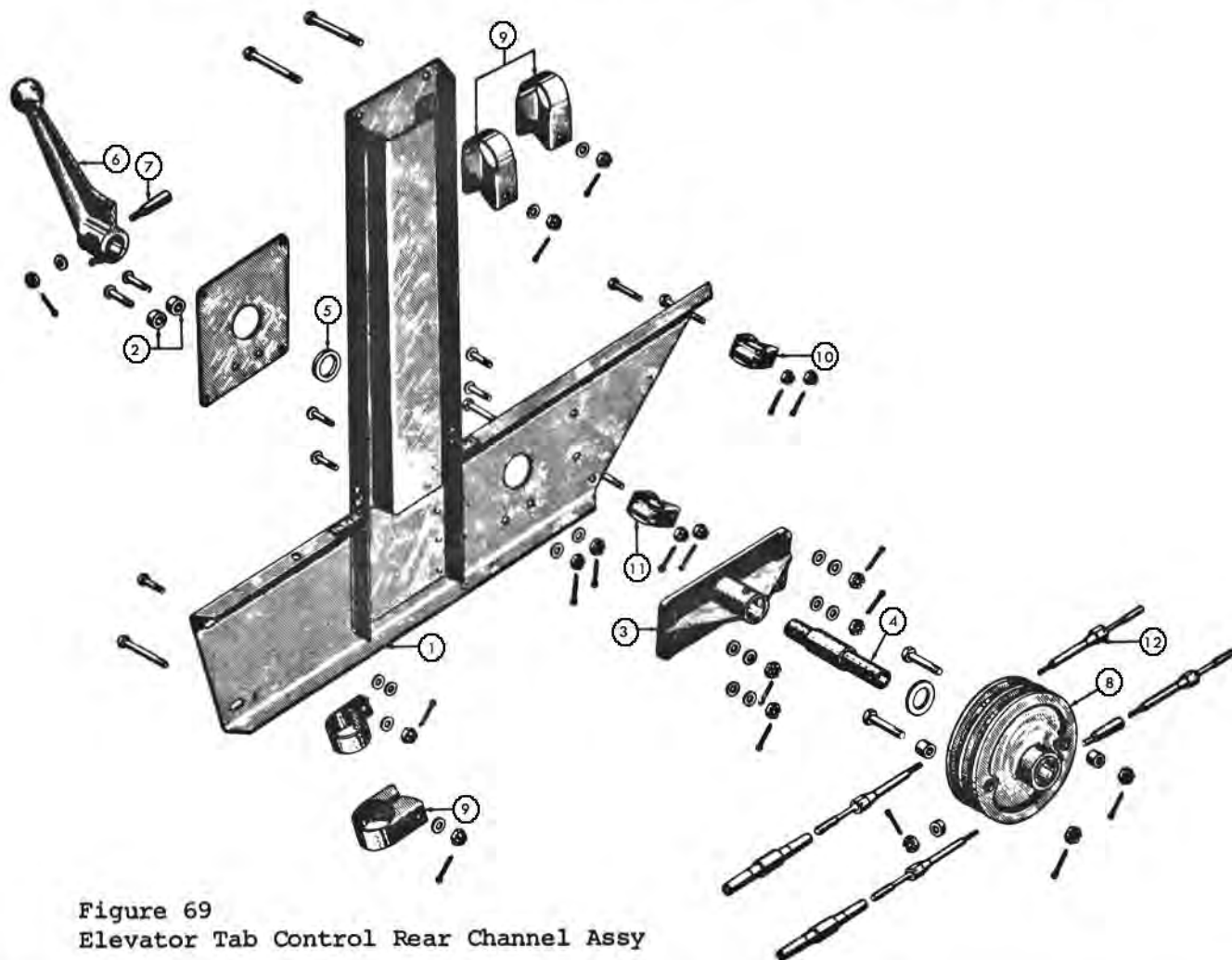


Figure 69
Elevator Tab Control Rear Channel Assy

Index

No.	Part No.	Description	Cond.
1	AG75-3502	Control assy complete-elevator tab rear	FAA-PMA
	AG75-3504	Channel assy-elevator tab control rear	FAA-PMA
	A75N1-3512	Plate-tab control name, metal	F/N
	AN23-12	Clevis bolt, 2 required	F/N
2	AG75-4513-4	Washer-special, 2 required	FAA-PMA
	Attach hdw.	2 ea. AN960-10, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N
3	AGA75N1-3508	Housing-tab control shaft	FAA-PMA
	Attach hdw.	4 ea. AN23-10, 4 ea. AN960-10L, 4 ea. AN960-10, 4 ea. AN320-3, 4 ea. AN380-2-2	F/N
4	AG73-3504	Shaft-flap control handle	FAA-PMA
5	AG75-4513-9	Washer-special	FAA-PMA
6	AG75-3506	Handle-tab control	FAA-PMA
7	AG75-3532	Pin-special taper	FAA-PMA
	Attach hdw.	1 ea. AN960-416, 1 ea. AN320-3, 1 ea. AN380-2-2, 1 ea. AN960-816	F/N
8	AG75-3546	Pulley-rear tab control, double	N-S
	Attach hdw.	1 ea. 386-2-7, 1 ea. AN975-3, 1 ea. AN320-3, 1 ea. AN380-2-2	
9	S-109-D51	Clamp-1-1/8" dia. tube, AG75-3504 attach, 3 req.	N-P

ELEVATOR TAB CONTROL-REAR, R-670,PT-17,N2S-4 & R-680, PT-13,N2S-5 continued

Figure 69

Index

No.	Part No.	Description	Cond.
	Attach hdw.	3 ea. AN3-16, 1 ea. 755--18, 5 ea. AN960-10, 1 ea. AN960-10L	F/N
10	75-3520-1	Clamp assy-tab control channel attach, upper, 1 req.	N-S
	Attach hdw.	1 ea. AN3-10	F/N
11	75-3520-2	Clamp assy-tab control channel attach, lower, 1 req.	N-S
	Attach hdw.	1 ea. AN3-11, 2 ea. AN3-13, 8 ea. AN310-3, 8 ea. AN380-2-2	F/N
15	AGA75N1-3505-3S	Tab control cable assy, s. steel, rear cockpit to non-reverse, short	FAA-PMA
	S-253-4	Spacer-3/16" bolt, 1 required	N-P
	S-253-17	Spacer-3/16" bolt, 2 required	N-P
	Attach hdw.	2 ea. AN155-16S, 1 ea. AN23-11, 1 ea. AN23-19, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N

NON-REVERSING TAB CONTROL ASSEMBLY, R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

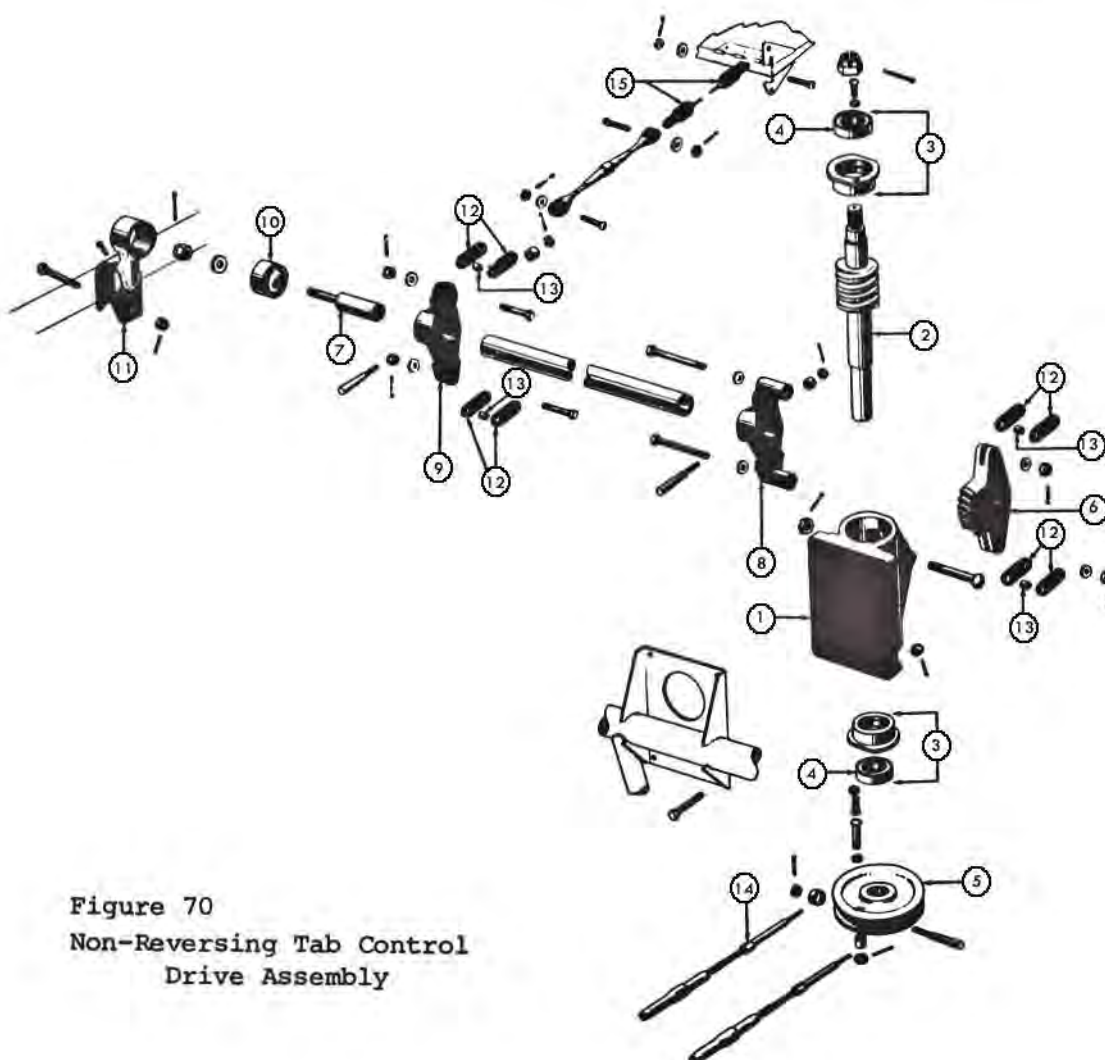


Figure 70

Non-Reversing Tab Control
Drive Assembly

NON-REVERSING TAB CONTROL ASSEMBLY, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 cont'd.

Figure 70

Index

No.	Part No.	Description	Cond.
	75-3510	Drive assy-non-reversing tab control	N-S
1	73-3517	Housing-flap control mechanism	N-S
2	73-3518	Worm-tab control	N-S
3	73-3519	Housing assy-flap control worm bearing, 2 required	N-S
3	73-3519-1	Housing only	N-S
4	K-8A	Replacement bearing- 73-3519 housing	F/N
	Attach hdw.	2 ea. AN936A6, 2 ea. AN520-6-6, 1 ea. AN310-6, 1 ea. AN380-3-3	F/N
5	AG75-3547	Pulley-tab control mechanism	FAA-PMA
	386-2-7	Pin-taper, threaded	F/N
	Attach hdw.	1 ea. AN975-3, 1 ea. AN320-3, 1 ea. AN380-2-2	F/N
6	75-3540	Sector-tab control worm gear	N-S
	Attach hdw.	1 ea. AN24-24, 1 ea. AN320-4, 1 ea. AN380-2-2, 4 ea. AN3-6, 4 ea. AN310-3, 4 ea. AN380-2-2	F/N
	75-3515	Horn assy-dual tab drive w/75-3513 & 75-3514 horns attached	N-S
	75-3515-1	Tube-horn assy	N-S
7	75-3511	End fitting-tab horn torque shaft	N-S
8	75-3513	Horn-tab drive connecting	N-S
9	75-3514	Horn-right tab drive	N-S
	386-1-8	Pin-taper, threaded, 2 required	F/N
	Attach hdw.	2 ea. AN975-3, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N
10	K-S4	Replacement bearing-dual tab drive tube, 1 required	F/N
	Attach hdw.	2 ea. AN960-416, 1 ea. AN310-4, 1 ea. AN380-2-2	F/N
11	75-3519	Bracket assy-tab horn torque shaft bearing	N-S
	Attach hdw.	1 ea. AN3-13, 1 ea. AN310-3, 1 ea. AN380-2-2, 1 ea. AN530-6-6, 2 ea. AN3-20, 2 ea. AN960-10	F/N
12	75-3518-1	Strap-tab control cables, 8 required	N-S
13	75-3541	Bushing-steel, 2 required	N-S
	Attach hdw.	4 ea. AN960-10L, 4 ea. AN310-3, 4 ea. AN380-2-2, 4 ea. AN3-7	F/N
14	AGA75N1-3505-4S	Tab control cable-rear cockpit to non-reverse, long, stainless steel	FAA-PMA
	S-253-4	Spacer-3/16" bolt, 1 required	N-P
	S-253-17	Spacer-3/16" bolt, 2 required	N-P
	Attach hdw.	2 ea. AN155--16S, 1 ea. AN24-19, 1 ea. AN23-11, 2 ea. AN320-3, 2 ea. AN380-2-2	F/N
15	AGA75N1-3507-2S	Tab cable assy-non-reverse to tabs, s.steel, 4 req.	FAA-PMA
	Attach hdw.	1 ea. AN23-10, 1 ea. AN960-10L, 1 ea. AN320-3, 1 ea. AN380-2-2, 8 ea. AN23-10, 4 ea. AN960-10L, 4 ea. AN960-10, 8 ea. AN320-3, 8 ea. AN380-2-2	F/N

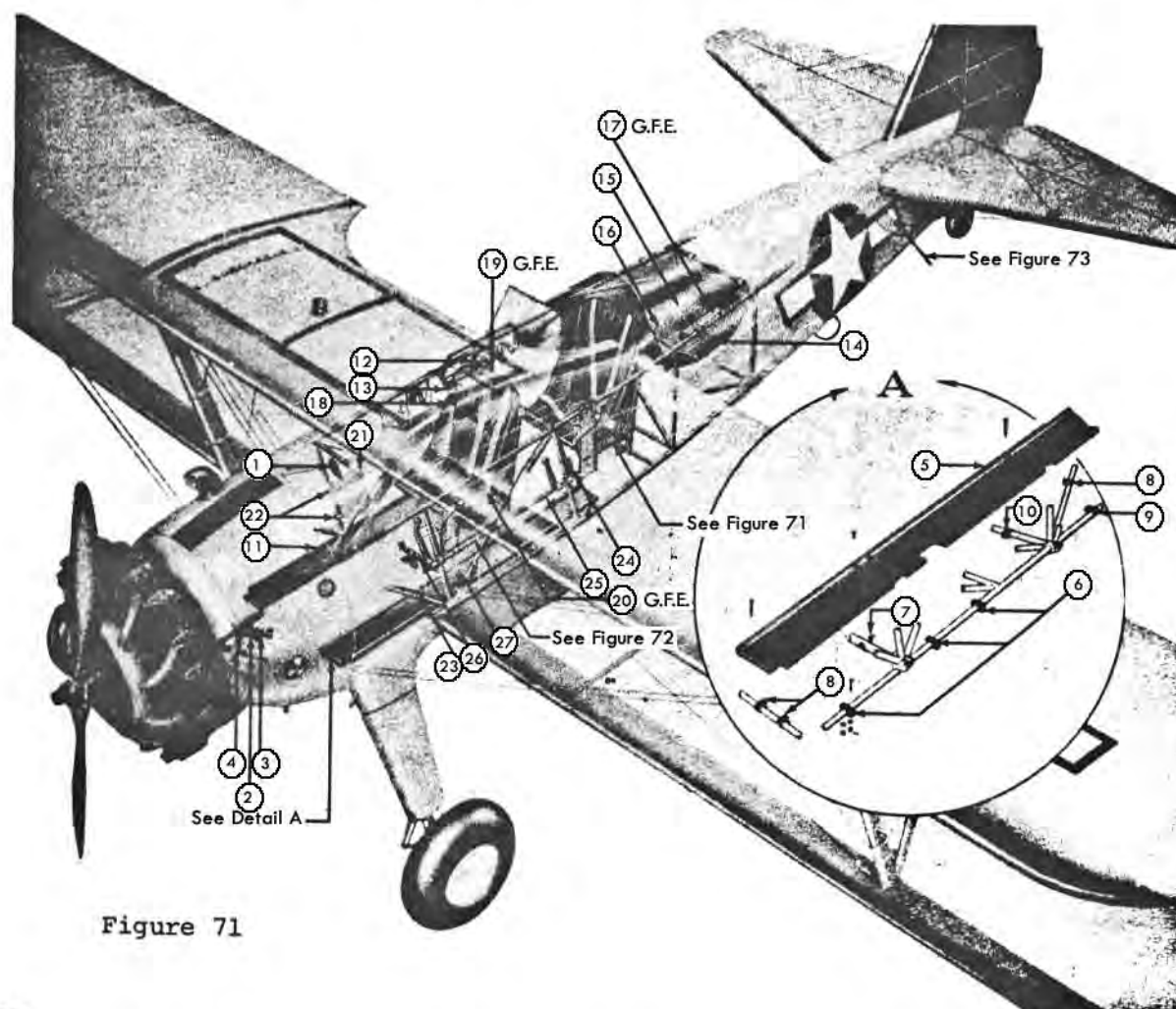


Figure 71

Index No.	Part No.	Description	Cond.
2	42-725	Crank-hand starter (A75N1-2845-3)	N-S
3	E75-2806	Clip assy-starter crank	N-S
4	E75-2807	Tube assy-starter crank	N-S
5	AG75-3622	Floorboard-cockpit lh, alum 6061-T6 extrusion	FAA-PMA
5 & 11	AG75-3622-1	Floorboard-cockpit rh, alum 6061-T6 extrusion	FAA-PMA
6	AG75-3623	Clamp assy-floorboard support, 3 req. per side	FAA-PMA
	Attach hdw.	3 ea. AN3-16, 3 ea. AN310-3, 3 ea. AN380-2-2, 3 ea. AN520-10-12, 20 ea. AN960-10, 10 ea. AN365-1032A, per side	F/N
7	AG75-3624	Clamp-floorboard support, 1 required per side	FAA-PMA
	Attach hdw.	2 ea. AN520-10-14 per side	F/N
8	S-108-D51	Clamp-1" dia. tube-floorboard attach, 3 req,per side	N-P
	Attach hdw.	3 ea. AN520-10-30 per side	F/N
9	S-109-D51	Clamp-1-1/8" dia. tube-floorboard attach, 1 required per side	N-P
	Attach hdw.	1 ea. AN520-10-32 per sdie	F/N
10	S-110-D51	Clamp-1-1/4" dia. tube-flooboard attach, per side	N-P
	Attach hdw.	1 ea. AN520-10-34 per side	F/N
12	E75N1-3609	Support assy-fire extinguisher & interphone	N-S
	Attach parts	1 ea. AGS-108-D51, 2 ea. ANS-109-D51 clamps	FAA-PMA
13	S-101-18	Tube clip, 2 required	F/N

INSTALLATION-FURNISHINGS, PT-13, N2S-5 continued

Figure 71

Index

No.	Part No.	Description	Cond.
	Attach hdw.	1 ea. AN520-10-24, 2 ea. AN520-10-26, 2 ea. AN520-10-10, 5 ea. AN365-1032A	F/N
15	36G-2873	Data case--fits on baggage door	F/N
14	75-3626	Baggage compartment canvas	F/N
	75-3627-1	Bolt strip-baggage compartment side	N-S
	75-3627-2	Bolt strip-baggage compartment front	N-S
	75-3627-3	Bolt strip-baggage compartment rear	N-S
	Attach hdw.	10 ea. AN520-10-12, 10 ea. AN365-1032A, 20 ea. AN960-10, 3 ea. AN755-10, 6 ea. 755-14, 4 ea. 755-20, 3 ea. AN515-8-10, 3 ea. AN365-1032A, 6 ea. AN960-8	F/N
18	75-3648	Clamp assy-name plate support	N-S
	Attach hdw.	1 ea. AN510-10-26, 1 ea. AN365-1032A, 1 ea. AN960-10	F/N
19	75-3631	Door assy-fire extinguisher	N-P
21	75-3625-2	Holder assy-airplane flight report	N-S
	Attach hdw.	3 ea. AN520-10-20, 2 ea. AN365-1032A, 7 ea. AN365-1032A, 10 ea. AN960-10	F/N
22	S-101-D16	Tube clip	F/N
	Attach hdw.	1 ea. AN520-10-22	F/N

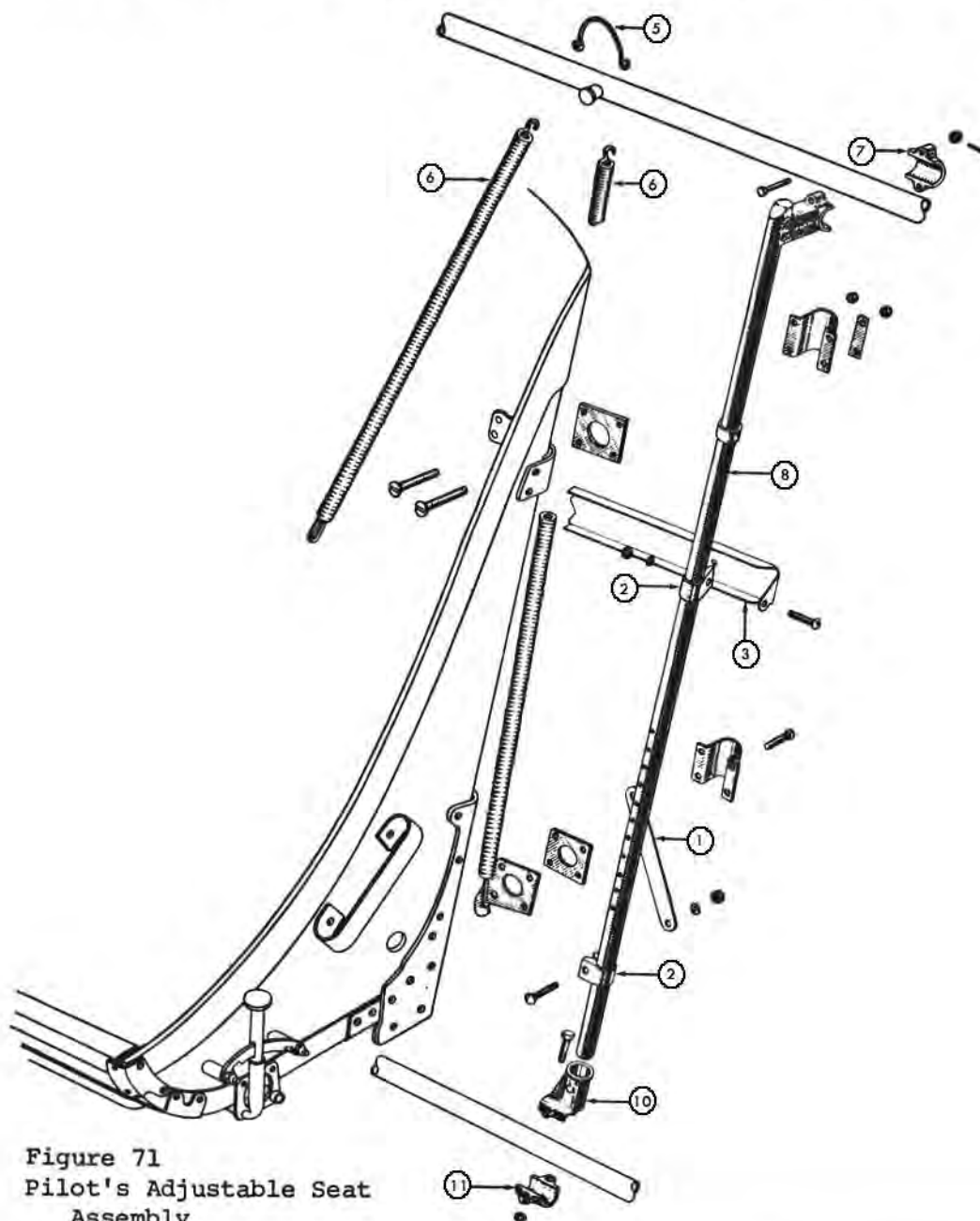


Figure 71
Pilot's Adjustable Seat
Assembly

Index	No.	Part No.	Description	Cond.
		73-3602	Aluminum pilot seat (AN7505)	
1		B75-3609	Clip-lower map case support	N-S
		Attach hdw.	2 ea. AN520-10-28, 2 ea. AN365-1032A	F/N
2		S-108-D51	Clamp-1" dia. tube, B75-3625-1 channel, 2 required	N-P
3		B75-3625-1	Channel-map case report	N-S
2		S-108-D51	Clamp-1" dia. tube-lower part of tube, 2 required	N-P
		Attach hdw.	2 ea. AN520-10-36, 2 ea. AN365-1032A, 3 ea. AN960-10	F/N
5		E75N1-3603	Hanger-seat spring adjustment, 2 required	N-P
6		E75N1-3602	Spring-seat adjustment, 2 required per seat	N-P
6		75-3619	Cord assy-elastic, seat adjustment, 1 req.per seat	N-P
7		AG75-3719-9	Clamp half assy-upper slide tube, 2 req. per seat	FAA-PMA

PILOT SEAT & COMPONENT PARTS, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5 continued

Figure 71

Index

No.	Part No.	Description	Cond.
8	AG75-3719-11	Slide tube-pilot seat adjustment	FAA-PMA
	Attach hdw.	1 ea. AN3-13A, 1 ea. AN365-1032A, 8 ea. AN4-14, 8 ea. AN310-4, 8 ea. AN380-2-2	F/N
	B-14	Seat belt assy-military type, nylon, 2 required	F/N
	B-15	Shoulder harness assy-military type, nylon, 2 required	F/N
	Attach hdw.	4 ea. AN24-13A, 4 ea. AN365-428A, 12 ea. AN960-416, 1 ea. AN960-10L, 1 ea. AN23-11, 1 ea. AN320-3, 1 ea. AN380-2-2	F/N
10 & 11	AG75-3647	Seat socket assy-lower, 4 required	FAA-PMA
	Attach hdw.	8 ea. AN4-15, 8 ea. AN310-4, 8 ea. AN960-416, 8 ea. AN380-2-2	F/N

FLIGHT CONTROL PARKING LOCK ASSEMBLY & PARTS
R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

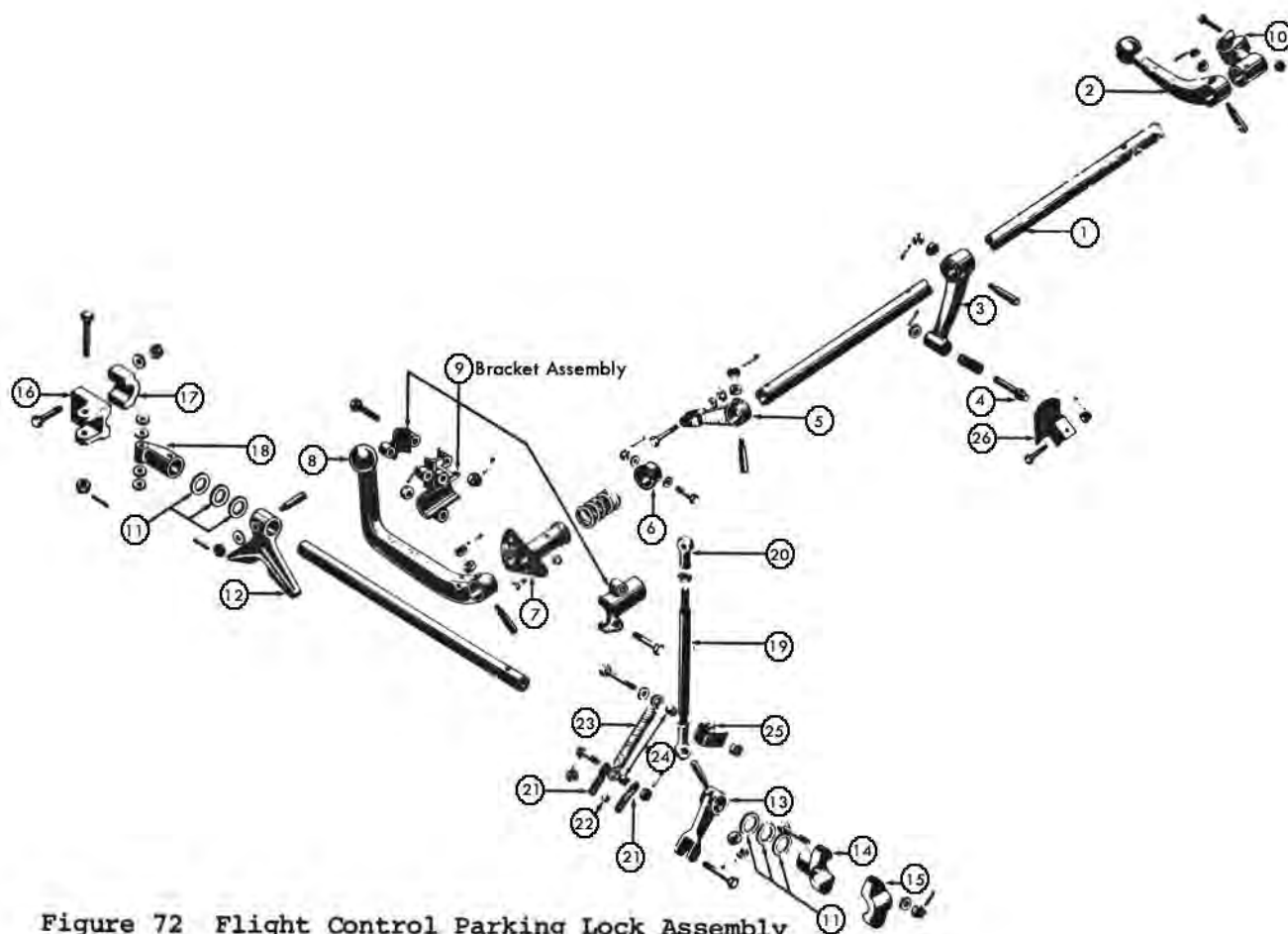


Figure 72 Flight Control Parking Lock Assembly

Figure 72

Index

No.	Part No.	Description	Cond.
	75-3650	Installation-flight control lock, less hardware	FAA-PMA
1	75-3651	Shaft assy-parking lock side	N-P
1	AG75-3679	Shaft-parking lock side	FAA-PMA
2	AG75-3682	Handle-parking lock control rear	FAA-PMA
	386-2-10	Pin-taper, threaded, 1 required	F/N
	Attach hdw.	1 ea. AN320-3, 1 ea. AN975-3, 1 ea. AN380-2-2	F/N
3	75-3656	Lever-rudder parking lock	N-P
	386-2-10	Pin-taper threaded	F/N
4	75-3671-1	Pin-parking lock	F/N
	AG75-3675	Spring-rudder parking lock compression	FAA-PMA
	Attach hdw.	1 ea. AN380-2-2, 1 ea. AN960-416, 1 ea. AN320-3, 1 ea. AN975-3, 1 ea. AN380-2-2	F/N
5	75-3684	Lever assy-parking lock control-upper	F/N
	AGS-275-16S	Replacement bushing 5/16 press.	FAA-PMA
	386-2-10	Pin-taper threaded	F/N
	Attach hdw.	1 ea. AN320-3, 1 ea. AN975-3, 1 ea. AN380-2-2	F/N
6	75-3665-1	Bearing-parking lock side shaft	N-P
	AG75-3674	Spring-side shaft compression	FAA-PMA
	Attach hdw.	1 ea. AN3-12, 1 ea. AN310-3, 1 ea. AN380-2-2, 2 ea. AN960-10	F/N
7	75-3666	Bearing assy-parking lock side shaft front end	N-P
8	AG75-3735	Handle assy-parking lock control front	FAA-PMA
	75-3671-2	Pin-parking lock	N-S
	386-2-10	Pin-taper threaded	F/N
	Attach hdw.	1 ea. AN320-3, 1 ea. AN975-3, 1 ea. AN380-2-2, 1 ea. AN3-5, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
9	75-3715	Bracket assy-parking lock side shaft bearing	N-S
	75-3715-6	Bracket assy-inner third	N-S
	75-3715-7	Bracket assy-middle third	N-S
	75-3715-8	Bracket assy-outer third	N-S
	Attach hdw.	4 ea. AN4-13, 4 ea. AN310-4, 4 ea. AN380-2-2	F/N
10	75-3668	Bearing assy-parking lock side shaft rear end	N-P
	Attach hdw.	1 ea. AN3-14, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
11	75-3716	Washer-shim, 6 required	N-P
	76-3652	Shaft assy-parking lock bottom	N-P
	AG75-3680	Shaft-parking lock bottom	FAA-PMA
12	AG75-3662	Fork-elevator push pull tube parking lock	FAA-PMA
	75-3717	Pin-special taper	N-P
	Attach hdw.	1 ea. AN320-3, 1 ea. AN960-416, 1 ea. AN380-2-2	F/N
13	AG75-3660	Lever assy-parking lock control	F/N
	AGS-275-16S	Replacement bushing-flanged, 5/16" press	FAA-PMA
	386-2-9	Pin-taper threaded	F/N
	Attach hdw.	1 ea. AN320-3, 1 ea. AN975-3, 1 ea. AN380-2-2	F/N
14	75-3658-1	Bearing-parking lock bottom shaft, left end	N-P
15	75-3658-2	Bearing-parking lock bottom shaft, left end (cap)	N-P
	Attach hdw.	2 ea. AN4-16, 2 ea. AN310-4, 2 ea. AN960-416, 2 ea. AN380-2-2	F/N
16	75-3654-1	Support-parking lock bottom shaft end bearing	N-P
17	75-3654-2	Support-parking lock bottom shaft end bearing (cap)	N-P
	Attach hdw.	2 ea. AN4-17, 2 ea. AN310-4, 2 ea. AN380-2-2, 2 ea. AN960-416	F/N
18	75-3673	Bearing-parking lock bottom shaft right end	N-P
	Attach hdw.	1 ea. AN4-22, 1 ea. AN310-4, 1 ea. AN960-416, 1 ea. AN380-2-2	F/N

FLIGHT CONTROL PARKING LOCK ASSEMBLY & PARTS, R-670,PT-17,N2S-4 & R-680,PT-13,N2S-5

Figure 72

Index

No.	Part No.	Description	Cond.
19	AG75-3677	Rod assy-parking lock control	FAA-PMA
19	AG75-3677-2	Rod-parking lock control, less bearings	FAA-PMA
20	REB-3N	Rod end bearing-AG75-3677-2 rod, 2 required	F/N
	Attach hdw.	2 ea. AN316-4, 1 ea. AN3-15, 1 ea. AN3-14, 2 ea. AN310-3, 2 ea. AN960-10, 2 ea. AN380-2-2	F/N
21	75-3711-2	Strap-flying hoop retracting cord, 2 required	N-S
22	75-3687	Spacer-special bolt	N-S
23	75-3686	Spring, parking lock	N-P
	Attach hdw.	1 ea. AN23-9, 1 ea. AN320-3, 1 ea. AN380-2-2	F/N
24	S-253-12	Spacer-3/16" bolt	N-P
25	S-110-51	Clamp- 1-1/4" dia. tube	N-P
	Attach hdw.	1 ea. AN960-10, AN3-20, 1 ea. AN310-3	F/N
26	75-3670	Catch assy-rudder parking lock	N-P
	Attach hdw.	1 ea. AN3-12, 1 ea. AN310-3, 1 ea. AN380-2-2	F/N
	75-3737	Placard & bracket assy-flight control park lock front	N-P
	75-3672-2	Placard & bracket assy-flight control park lock rear	N-P
	75-3746	Placard only-flight control lock instr.	N-P

STATIC GROUND INSTALLATION, R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

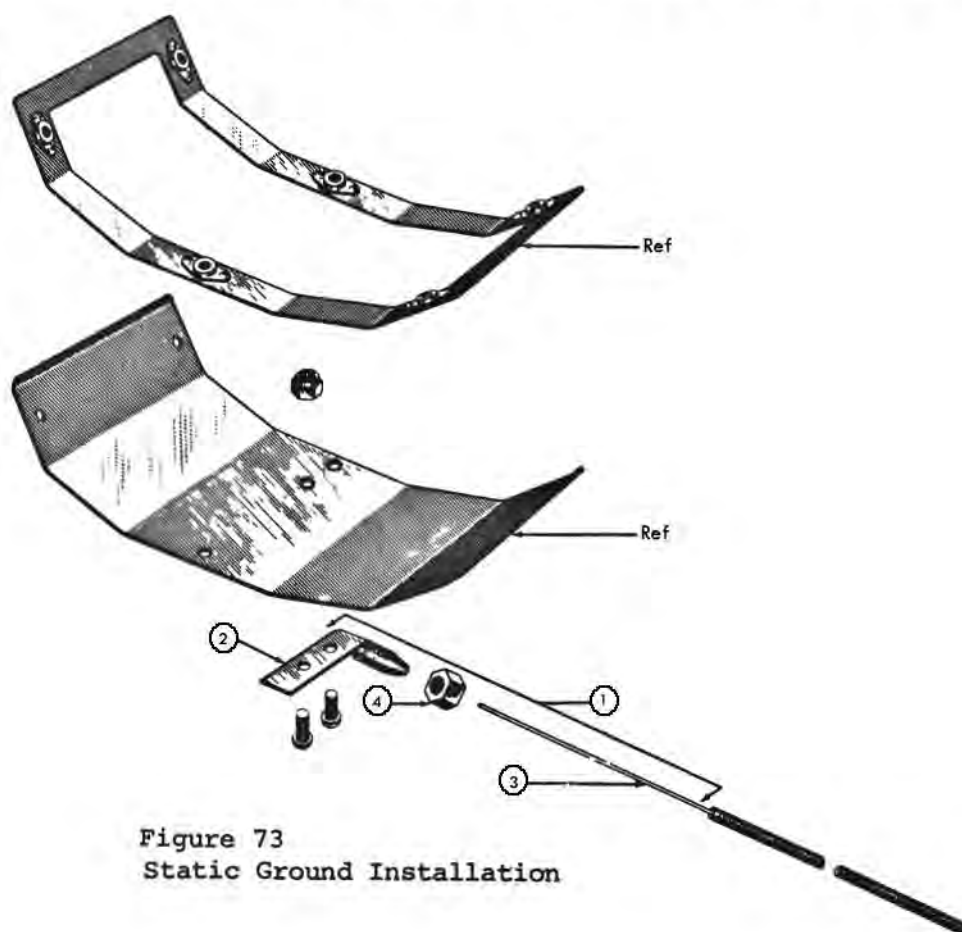


Figure 73
Static Ground Installation

Figure 73

Index

No.	Part No.	Description	Cond.
	75-3733	Installation-static ground	N-S
1	75-3752	Wire assy-static ground	N-S
2	75-3752-6	Support assy-static	N-S
3	75-3752-7	Wire assy-static	N-S
4	75-3752-3	Nut	N-S
	Attach hdw.	1 ea. AN526-1032-7, 1 ea. AN526-1032-8, 2 ea. AN365-1032A F/N	
Ref.	AG75-2382	Frame assy-fuselage cleanout door	FAA-PMA
Ref.	AG-2383	Door assy-fuselage cleanout door	FAA-PMA

INSTRUMENT PANEL & INSTRUMENT INSTALLATION PT-13D & N2S-5
FRONT COCKPIT

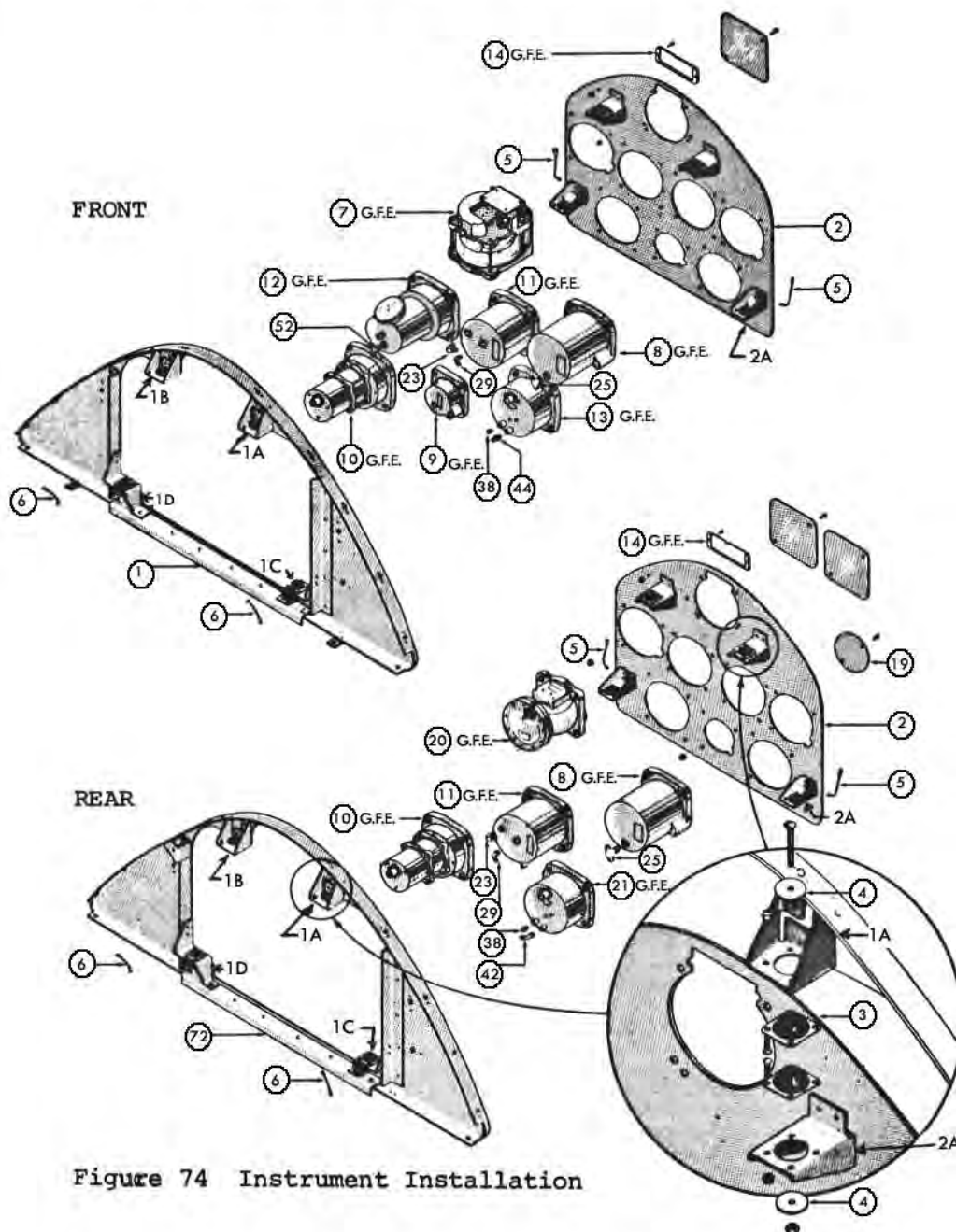


Figure 74 Instrument Installation

INSTRUMENT PANEL & INSTRUMENT INSTALLATION, PT-13D & N2S-5, FRONT COCKPIT cont'd

Figure 74

Index

No.	Part No.	Description	Cond.
	75-3801	Instrument panel assy-front, has AGE75N1-3811 base and AGE75N1-3804 floating panel assembled	N-P
	Attach hdw.	Front base to fuselage, 1 ea. AN3-15A lh side, 1 ea. AN23-26A rh side	F/N
1	E75N1-3811	Base-instrument panel front, this part shown in figure 74	N-P
2 & 3	E75N1-3804	Floating panel-instrument front, this part shown in figure 74	N-P
	AN8008-4	Isolator-instrument panels, 8 required	F/N
	Attach hdw.	16 ea. AN526-632-5, 16 ea. AN365-632A	F/N
1A	75-3841	Replacement bracket-upper left isolator support-instrument base	N-P
1B	75-3841-1	Replacement bracket-upper right isolator support-instrument base	N-P
1C	75-3840	Replacement bracket-lower left isolator support-instrument base	N-P
1D	75-3840-1	Replacement bracket-lower right isolator support-instrument base	N-P
2A	75-3809	Replacement bracket-floating panel front, isolator support, 4 required	N-P
	Attach hdw.	Base to floating panel 4 ea. AN515-8-24, 4 ea. AN365-832A	F/N
4	AG75-4513-16	Washer-special, base to floating panel front, 8 req. FAA-PMA	F/N
5	3AJ8-8	Jumper-bonding, front floating panel, 2 required	F/N
6	2AJ8-8	Jumper-bonding, front base panel, 2 required	F/N
	E75-3806	Plate-3-1/8", instrument hole closing-optional	N-P
	Attach hdw.	4 ea. AN515B-8-8, 4 ea. AN365B-8-2A	F/N
7	88-C-800	Compass, B-16-front cockpit, original or Matte White dial	O/H/C
8	60-800	Altimeter-sensitive, C12 or 13, 7:00 knob, original or Matte White dial	O/H/C
9	60-1200	Clock-A-11 8 day, 7:00 knob, front cockpit	O/H/C
10	88-1-2500	Tachometer-electric, 0-4500 RPM, 3 pin connection original or Matte White dial	O/H/C
10	Mark "V"	Generator-electric tach indicator, 3 pin connection, front cockpit (not shown)	O/H/C
10	RT-10	Tachometer-hour recording, cable drive, front cockpit	F/N
10		Tach drive cable & housing assy-front cockpit, long	F/N
11	88-1-240	Air speed indicator- 0-300 mph, dial original or Matte White	O/H/C
12	88-1-3280	Turn & bank indicator-vac type, dial original or Matte White	O/H/C
13	88-U-600-8	B-7, 3-1 engine gauge unit-8' capillary, original dial, front cockpit	N-S
14	88-H-500	Holder, compass card	N-P
	Attach hdw.	2 ea. AN515B-8-4, 2 ea. AN365B-440	F/N
		Rate of climb-optional, 0-2000	O/H/C

REAR COCKPIT PT-13D & N2S-5

75-3802	Instrument panel assy-rear, has AGE75N1-3812 base & AGE75N1-3804 floating panel assembled	N-P
Attach hdw.	Instr. panel to fuselage, 1 ea. AN3-17A, 1 ea. AN3-16A, 2 ea. AN960-10, 2 ea. AN365-1032A	F/N

REAR COCKPIT PT-13D & N2S-5 continued

Figure 74

Index

No.	Part No.	Description	Cond.
72	E75N1-3812	Base-instrument panel-rear, this part shown in fig.74	N-P
	AN8008-4	Isolator-instrument panels, 8 required	F/N
	Attach hdw.	16 ea. AN526-632-5, 16 ea. AN365-632A, AN8008-4 isolators	F/N
2&3	E75N1-3804	Floating panel-instrument rear, this part shown in figure 74	N-P
	Attach hdw.	Base to floating panel, 4 ea. AN515-8-24, 4 ea. AN365-832A	F/N
4	AG75-4513-16	Washer-special, base to floating panel rear	FAA-PMA
5	2AJ8-8	Jumper, bonding-rear floating panel	F/N
6	2AJ8-8	Jumper, bonding-rear base panel	F/N
14	88-H-500	Holder-compass card	N-P
20	88-C-800	B-16 compass-rear cockpit, original or Matte White dial	O/H/C
8	60-800	C-12 or C-13 altimeter-sensitive, 7:00 knob, original or Matte White dial	O/H/C
c10		Tachometer-electric, 0-4500 RPM, 3 pin connection, original or Matte White dial	O/H/C
10	Mark "V"	Generator-electric tach ind., 3 pin connection (not shown)	O/H/C
10	RT-10	Tachometer-hour recording, cable drive	F/N
10		Tach drive cable & housing-rear cockpit	F/N
11	88-1-240	Airspeed indicator, 0-300 mph, original or Matte White dial	O/H/C
21	88-U-600-8	B-7 3-1 engine gauge unit-8' capillary, original dial	N-S
19	E-3807	Plate-2-1/8" instrument hole closure, optional	N-P
	E75-3806	Plate-3-1/8" instrument hole closure, optional	N-P

INSTRUMENT PANEL & INSTRUMENT INSTALLATION, PT-17, N2S-1, N2S-4, PT-13A & B

Please use Index No. on Fig. 74, the floating panels have 3 holes across center

FRONT COCKPIT

Index

No.	Part No.	Description	Cond.
	75-3856	Instrument panel-front, has AG75-3839-1 base & AG75-3852 floating panel assembled	N-P
	Attach hdw.	Front instr. panel to fuselage, 1 ea. AN3-15A LH side, 1 ea. AN23-26A RH side	F/N
		2 ea. AN960-10, 2 ea. AN365-1032A	F/N
1	75-3839-1	Base instrument panel-front, tach ind. mounts RH side	N-P
2 & 3	75-3852	Floating panel-instrument, front, 3 holes across cnt	N-P
	AN8008-4	Isolator-instrument panel front, 8 required	F/N
	Attach hdw.	Base to floating panel, 4 ea. AN515-8-24, 4 ea. AN365-832A	F/N
	Attach hdw.	AN8008-4 isolators, 16 ea. AN526-632-5, 16 ea. AN365-1032A	F/N
1A	75-3841	Replacement bracket-upper left isolator support, instrument base	N-P
1B	75-3841-1	Replacement bracket-upper right isolator support, instrument base	N-P
1C	75-3840	Replacement bracket lower left isolator support, instrument base	N-P
1D	75-3840-1	Replacement bracket-lower right isolator support, instrument base	N-P

INSTRUMENT PANEL & INSTRUMENT INSTALLATION, PT-17,N2S-1,N2S-4,PT-13A & B cont'd
FRONT COCKPIT continued

Figure 74

Index

No.	Part No.	Description	Cond.
2A	75-3809	Replacement bracket-floating panel isolator support, 4 required	N-P
4	AG75-4513-16	Washer-special, 8 required for both panels, front & rear	FAA-PMA
5	3AJ8-8	Jumper bonding-front floating panel	F/N
6	2AJ8-8	Jumper bonding-front base panel	F/N
	E75-3806	Plate- 3-1/8" instrument hole closing (optional)	N-P
7	88-C-800	B-16 compass-front cockpit, original or Matte White dial	O/H/C
8	60-800	C-12 or C-13 altimeter-sensitive, 7:00 knob, original or Matte White dial	O/H/C
9	60-1200	A-11 clock-8 day, 7:00 knob, front cockpit	O/H/C
10	88-1-2500	Tachometer-electric 0-4500 RPM, 3 pin connection original or Matte White dial	O/H/C
10	88-G-1375	Generator-electric tach indicator, 3 pin connection (not shown)	O/H/C
10	RT-8	Tachometer-hour recording, cable drive, R-680,PT-13	F/N
10	RT-10	Tachometer-hour recording, cable drive, R-670,PT-17	F/N
	R-670AC-62	Tach cable & housing, front	F/N
	R-680AC-50	Tach cable & housing, rear	F/N
11	88-1-240	Airspeed indicator, 0-300 mph, original or Matte White dial	O/H/C

REAR COCKPIT

Index

No.	Part No.	Description	Cond.
	75-3857	Instrument panel assy-rear, has AG75-3839-2 base & AG75-3852 floating panel assembled	N-P
	Attach hdw.	Instr. panel to fuselage, 1 ea. AN3-17A, 1 ea. AN3-16A, 2 ea. AN960-10 & AN365-1032A	F/N
72	75-3839-2	Base-instrument panel rear-tach mounting rh side	N-P
2 & 3	75-3852	Floating panel-instr. rear, 3 holes across center	N-P
	AN8008-4	Isolator-instrument panel (8 required)	F/N
	Attach hdw.	Base to floating panel, 4 ea. AN515-8-24, 4 ea. AN365-1032A	F/N
	Attach hdw.	8008-4 isolators, 16 ea. AN526-632-5,16 ea. AN365-632A	F/N
4	AG75-4513-16	Washer-special, base to floating panel, 8 required	FAA-PMA
5	3AJ8-8	Bonding jumper-rear floating panel, 2 required	F/N
6	2AJ8-8	Bonding jumper-rear base panel, 2 required	F/N
20	88-C-800	B-16 compass-rear cockpit, original or Matte White dial	O/H/C
8	60-800	C-12 or C-13 altimeter-sensitive, 7:00 knob, original or Matte White dial	O/H/C
9	60-1200	A-11 clock, 8 day, 7:00 knob	O/H/C
10	88-1-2500	Tachometer-electric 0-4500 RPM, 3 pin connection original or Matte White dial	O/H/C
10	88-G-1375	Generator-electric tach indicator, 3 pin connection	O/H/C
10	RT-8	Tachometer, hour recording-cable drive, rear cockpit R-680, PT-13	F/N
10	RT-10	Tachometer, hour recording-cable drive, rear cockpit R-670, PT-17	F/N
	R-670AC-102	Tach cable & housing, front	F/N
	R-680AC-90	Tach cable & housing, rear	F/N
11	88-1-240	Airspeed ind.-0-300 mph,original or Matte White dial	O/H/C
13	88-U-600-8	B-7 3 in 1 engine gauge unit,8' capillary,original dial	N-S

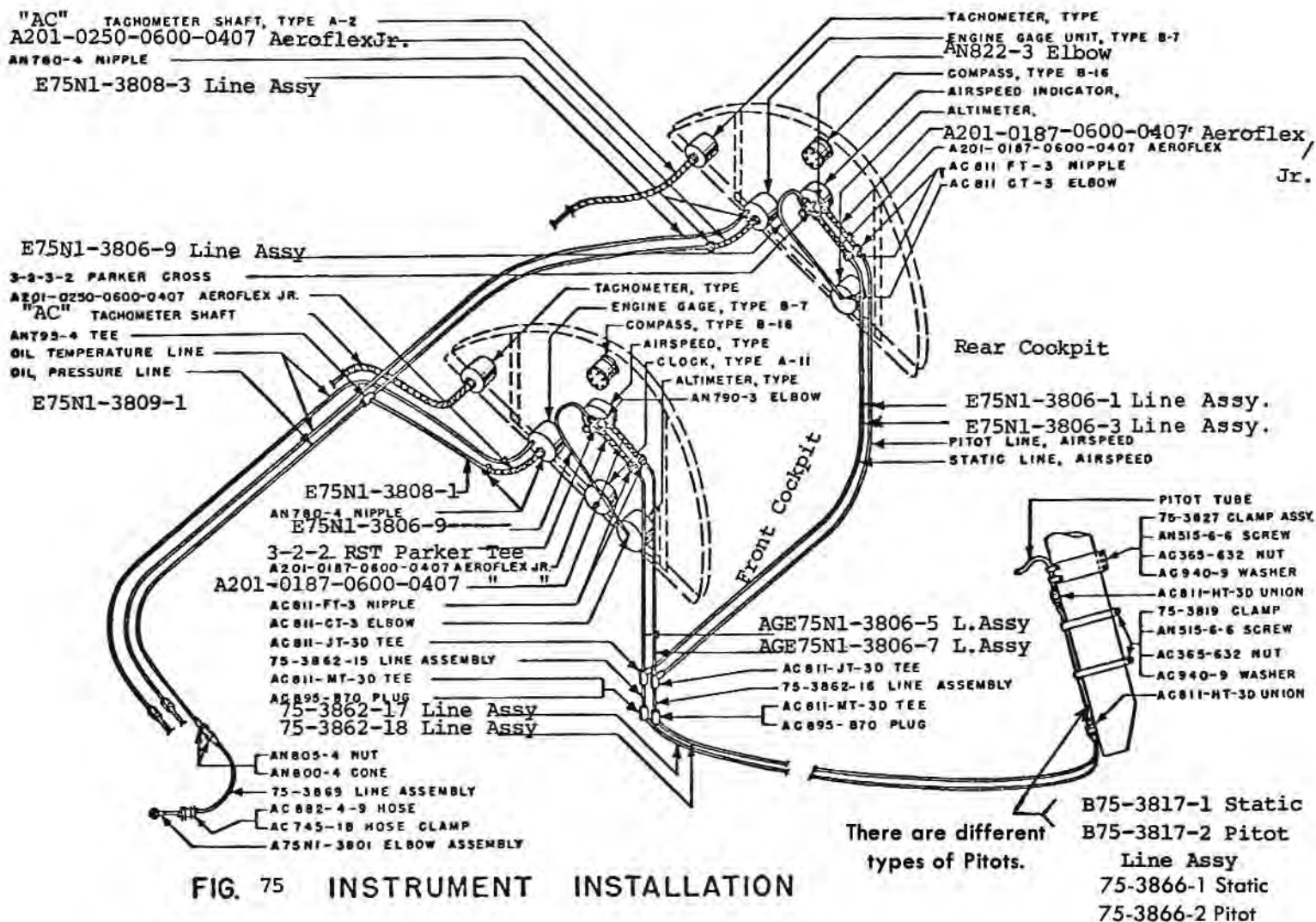


FIG. 75 INSTRUMENT INSTALLATION

Part No.	Description	Cond.
A201-0187-0600-0407	Flexible line-airspeed indicator, pitot	F/N
A201-0187-0600-0407	Flexible line-airspeed indicator, static	F/N
AC811-FT-3	Elbow-airspeed indicator-connect AGE75N1-3806-1, 3806-3 lines, 2 required	N-S
AN790-3	Elbow-airspeed indicator to A201-0187-0600-0707 flexible line, pitot	F/N
3-2-3-2	Cross-airspeed indicator-static (optional 3-2-2-RST tee) Note: 3-2-3-2 cross used if rate of climb installed	F/N
E75N1-3806-3	Line assy-airspeed indicator, flex line to tee, pitot	N-P
E75N1-3806-1	Line assy-airspeed indicator, flex line to tee, static	N-P
S-101-020	Tube clip, 3 required	F/N
75-3820	Tube clip-airspeed lines, 3 required	N-S
Attach hdw. 3 ea. AN520-10-8, 3 ea. AN365-1032A, 3 ea. AN960-10		F/N
E75N1-3806-9	Line assy-altimeter to airspeed indicator, static	N-P
AC811-CT-3	Elbow-altimeter, AGE75N1-3806-9 line connect	N-S
3-2-2RST	TEE Airspeed indicator, static	F/N
75-3820	Tube clip-airspeed lines, 3 required	N-S

INSTRUMENT LINE INSTALLATION, PT-17,N2S-1,N2S-3,N2S-4,PT-13, N2S-5

REAR COCKPIT continued

Figure 75

Part No.	Description	Cond.
Attach hdw. 3 ea. AN520-10-8, 3 ea. AN960-10, 3 ea. AN365-1032A		F/N
A201-0250-0600-0707	Line-flexible, oil pressure	F/N
AN780-4	Nipple-A201-0250-0600-0707 connect to oil press gauge	N-S
E75N1-3808-3	Line assy-oil pressure gauge to tee	N-P
B75-3813	Block-engine gauge lead support, 4 required	N-P
S-101-D20	Tube clip, 3 required	F/N
S-101-D18	Tube clip, 1 required	F/N
Attach hdw. 2 ea. AN520-10-20, 4 ea. AN365-1032A, 4 ea. AN960-10		F/N

FRONT COCKPIT

A201-0187-0600-0407	Line-flexible, airspeed indicator pitot	F/N
A201-0187-0600-0407	Line-flexible, airspeed indicator static	F/N
3-2-2-RST	Tee-airspeed indicator, static	F/N
AC811-FT-3	Nipple-flex line connect to AGE75N1-3806-5 & -7 lines, 2 required	N-S
E75N1-3806-9	Line assy-altimeter to airspeed indicator	N-P
AC811-CT-3	Elbow-altimeter-connect AGE75N1-3806-9 line	N-S
E75N1-3806-7	Line assy-airspeed indicator to tee, pitot	N-P
E75N1-3806-5	Line assy-airspeed indicator to tee, static	N-P
AC811-JT-3D	Tee-connect AGE75N1-3806-5 & -7 lines, 2 required	N-S
75-3862-16	Line assy-airspeed tee to drain tee, pitot	N-P
75-3862-15	Line assy-airspeed tee to drain tee, static	N-P
AC811-MT-3D	Drain tee-airspeed lines, pitot & static (equivalent with plugs) 2 required	F/N
75-3862-17	Line assy-airspeed, drain tee to strut point,static	N-P
75-3862-18	Line assy-airspeed, drain tee to strut point, pitot	N-P
73-1227	Clip-AG75-3862-17 & -18 airspeed lines, 5 required	N-S
AN545-4-3	Screw-wood, round head, 73-1227 clip attach,12 req.	F/N
B75-3817-1	Line assy-strut point to pitot head, static	N-P
B75-3827-2	Line assy-strut point to pitot head, pitot	N-P
AC811-HT-3D	Union-top & bottom, AGE75-3817-1 & -2 lines,	N-S
75-3819	Clamp-AGE75-3817-1 & -2 lines to front lh wing strut, 2 required	N-P
Attach hdw. 2 ea. AN515-6-6, 2 ea. AN365-632A, 2 ea. AN940-9		F/N
75-3827	Pitot tube & clamp assy, airspeed	N-S
75-3827-1	Pitot tube less clamp assy, type B-6	N-S
B75-3815	Clamp assy-pitot tube	N-P
Attach hdw. 3 ea. AN515-6-6, 3 ea. AN365-632A, 3 ea. AN940-9		F/N
A201-0250-0600-0407	Line-flexible, oil pressure gauge	F/N
AN780-4	Nipple-A201-0250-0600-0407 connect to pressure gauge	N-S
E75N1-3808-1	Line assy-flex hose to AN795-4 tee	N-P
AN795-4	Tee-AGE75N1-3808-1, 3808-3, 3809-1 oil pressure line connect	N-S
B75-3813	Block-engine gauge lead support	N-P
S-101-D16	Tube clip, 1 required	F/N
Attach hdw. 1 ea. AN520-10-20, 1 ea. AN960-10, 1 ea. AN365-1032A		F/N
75-3809-1	Line assy-oil pressure to AG75-3869 engine connection line	N-P
75-3869	Line assy-oil pressure to engine connection (R-670, PT-17, N2S-4)	N-P

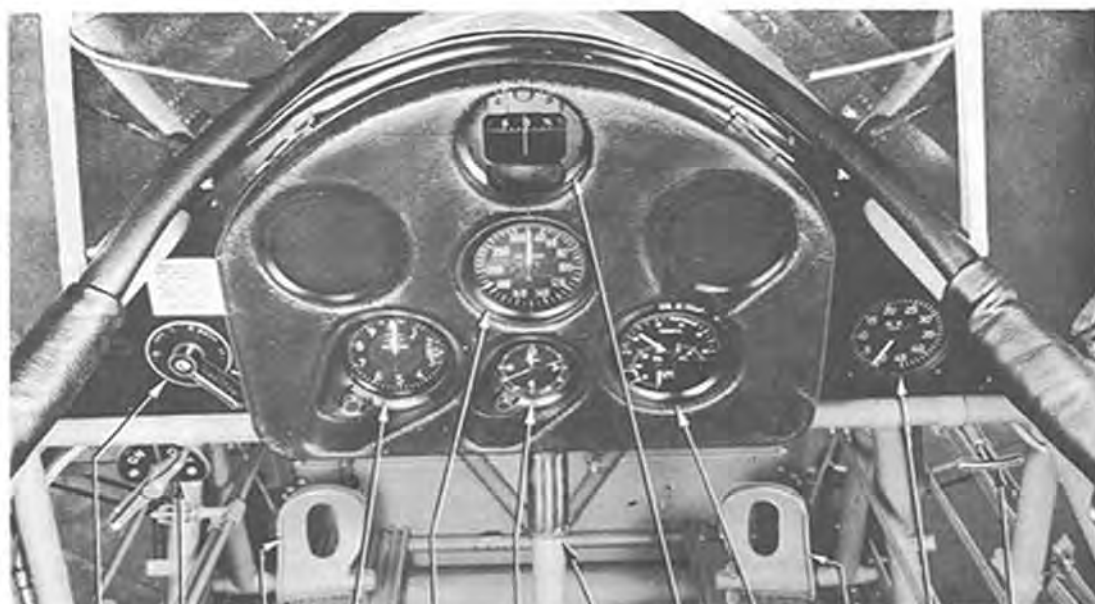
INSTRUMENT LINE INSTALLATION, PT-17,N2S-1, N2S-3, N2S-4, PT-13, N2S-5

FRONT COCKPIT continued

Figure 75

Part No.	Description	Cond.
A75N1-3801	Fitting-AG75-3869 to engine(R-670,PT-17,N2S-4) (AN842-4)	F/N
AN884-4-12	Hose-engine connection, AG75-3815-13 or AG75-3869 <u>ORDER FOLLOWING LINES IF INSTALLING TURN & BANK</u>	F/N
A201-0375-0600-0707	Line-flexible, turn & bank indicator	F/N
AC811-RT-6	Tee-turn & bank connection	N-S
E75N1-3807-1	Line assy-turn & bank suction	N-P
S-101-D16	Tube clip-turn & bank line attach, 1 required	F/N
S-101-D18	Tube clip-turn & bank line attach, 1 required	F/N
S-101-D7	Tube clip-turn & bank line attach, 2 required	F/N
Attach hdw. 2 ea. AN520-10-8, 2 ea. AN960-10, 2 ea. AN365-1032A		F/N
75-3861-1	Line assy-turn & bank suction, venturi tube to union	N-P
6-2FT	Nipple-at venturi	F/N
AC-811-HT-6	Union-AG75-3861-1 to AGE75N1-3807-1 lines	N-S
A-3A Venturi, 2"	Venturi, 2"	F/N
Attach hdw. 2 ea. AN3-5A (front holes) 2 ea. AN510-10, 4 ea. AN365-1032A, 4 ea. AN960-10		F/N
75-3851	Clamp assy-venturi to cabane strut	N-P
Attach hdw. 2 ea. AN520-10-6, 2 ea. AN960-10, 2 ea. AN365-1032A		F/N
B75-3812	Block-instrument lead support, 4 required	N-P
Attach hdw. 4 ea. AN515-8-20, 4 ea. AN365-832A, 4 ea. AN960-8, 1 ea. AN520-10-28, 1 ea. AN36501-32A, 2 ea. AN960-10		F/N
B75-3823	Support assy-electric tach, generator	N-S
B75-3823-1	Support assy-electric tach, generator	N-S
E75N1-3806-11	Line assy-rate of climb vent (not shown)	N-P
DS75-3800-MLK	Instrument line kit, both cockpits, complete with fittings fitting N-S lines	N-P

INSTRUMENT LOCATIONS FOR PT-17, N2S-1, N2S-4, PT-13A & B



1 2 3 4 5 6 7 8 9 3 10 11

<u>Index No.</u>		<u>Index No.</u>	
4	Altimeter	8	Compass
5	Airspeed	9	Engine Gauge Unit
6	Clock	10	Tachometer

INSTRUMENT LOCATIONS, N2S-3

<u>Index No.</u>	
3	Airspeed
4	Turn & Bank
5	Compass
6	Engine Gauge Unit
7	Card Check List
12	Tachometer
16	Altimeter



INSTALLATION BATTERY SUPPORT

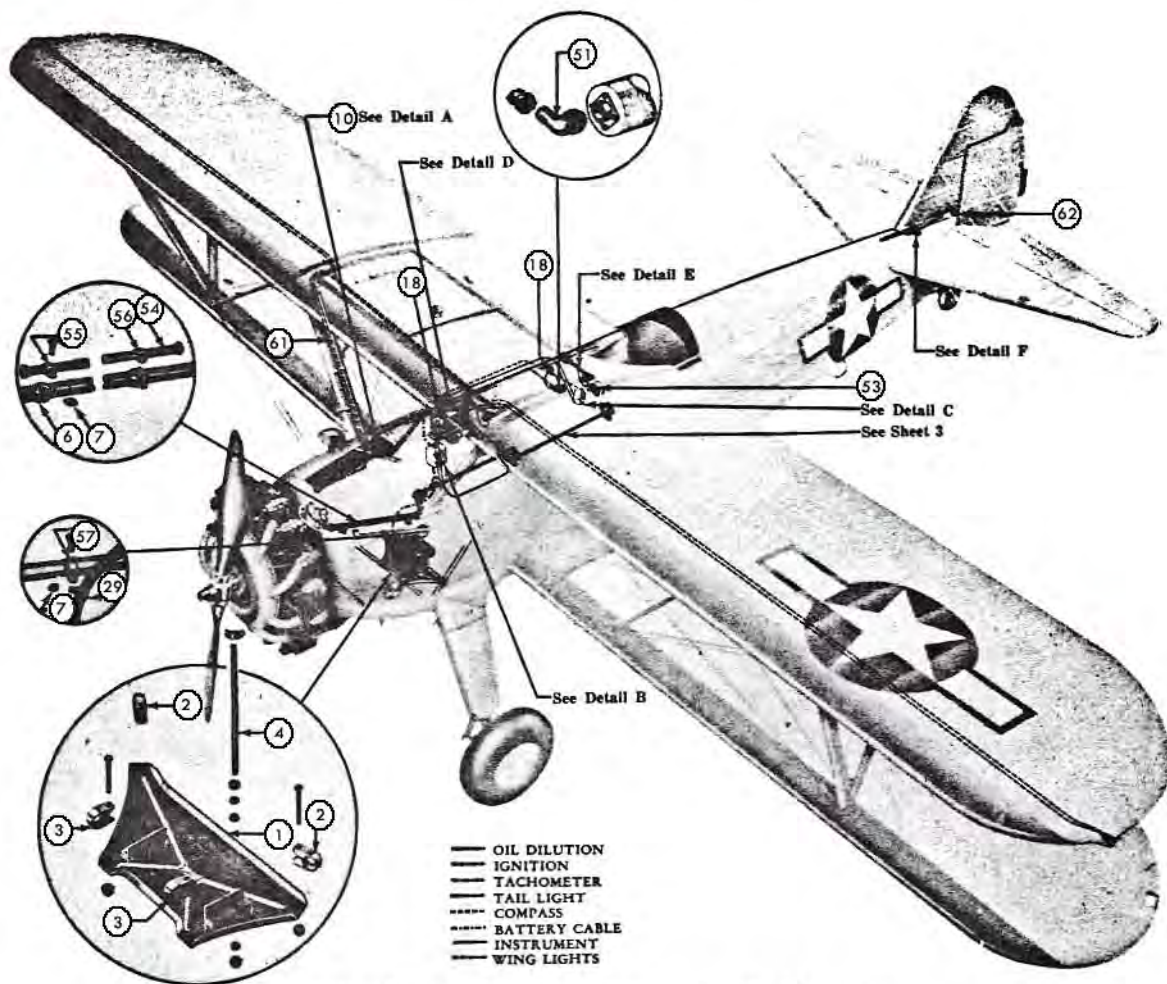


Figure 76 Battery Support Installation

Index			
No.	Part No.	Description	Cond.
1	A75N1-3920-1	Support assy-battery	N-P
2	S-109-D51	Clamp--1-1/8" dia. tube, battery support, 2 req.	N-P
3	S-108-D51	Clamp--1" dia. tube, battery support, 2 req.	N-P
	Attach hdw.	2 ea. AN520-10-26, 2 ea. AN520-10-24, 4 ea. AN365-1032A	F/N
4	A75N1-3919	Bolt-battery hold down, 2 required	N-P
	Attach hdw.	2 ea. AN935-416, 4 ea. AN960-416, 2 ea. AN345-416 2 ea. AN365-428A	F/N

IGNITION SWITCH INSTALLATION-FRONT & REAR COCKPIT
PT-17, N2S-1, N2S-4, PT-13, N2S-5

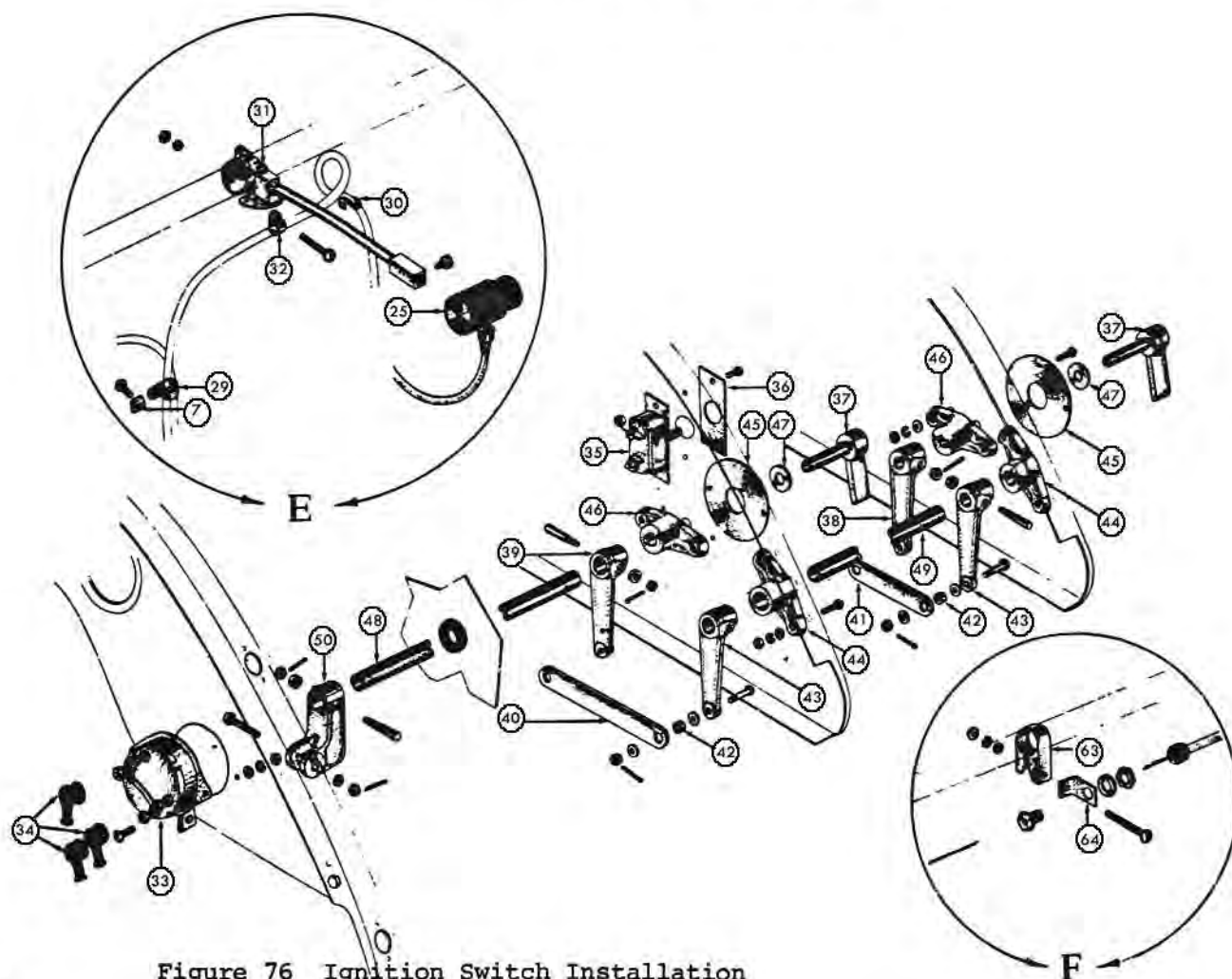


Figure 76 Ignition Switch Installation

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No.	Part No.	Description	Cond.
31	A75N1-3945	Bracket assy-instrument light mounting	N-S
32	S-101-D4	Clip-tube	F/N
33	E75N1-3941-1	Switch-ignition type A-7, original	N-S
33	E75-3941-2	A-9 switch-ignition, substitute	N-S
	Attach hdw.	2 ea. AN515-8-8, 2 ea. AN960-8, 2 ea. AN340-8, 2 ea. AN935-8	F/N
34	065-319	Spark plug nipple-ignition switch, 3 required	F/N
36	E75N1-3910	Name plate-oil dilution switch	F/N
	Attach hdw.	2 ea. AN515-8-7, 2 ea. AN365-832A	F/N
37	AG75-3905	Handle assy-ignition switch control, 2 required	FAA-PMA
38	75-3170-2	Lever-torque tube	N-S
39	75-3170-1	Lever-torque tube	N-S
	386-1-7	Pin-taper, threaded, 2 required	F/N
40	75-3140-3	Link-cock control arm connecting, front	N-P
41	75-3140-2	Link-cock control arm connecting, rear	N-P
42	S-205-9S	Replacement bushing-5/16" o.d. bearing	N-P
	Attach hdw.	4 ea. AN23-12, 8 ea. AN960-10	F/N
43	75-3170-3	Lever-torque tube	N-S
	386-1-6	Pin-taper, threaded, 75-3170-3 lever	F/N

IGNITION SWITCH INSTALLATION-FRONT & REAR COCKPIT, PT-17,N2S-1,N2S-4,PT-13,N2S-5 cont'd

Figure 76

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No.	Part No.	Description	Cond.
44	Attach hdw.	4 ea. AN975-3, 8 ea. AN320-3, 8 ea. AN380-2-2	F/N
	75-3913-1	Bearing-shaft, 2 required	N-P
	Attach hdw.	4 ea. AN935-8, 4 ea. AN515-8-10, 4 ea. AN960-8, 4 ea. AN340-8	F/N
45	A75N1-3905	Plate-ignition switch name, 2 required	F/N
46	75-3913-2	Bearing-shaft, 3/8" hole, 2 required	N-P
	Attach hdw.	4 ea. AN935-8	F/N
47	AG75-4513-21	Washer-special, 2 required	FAA-PMA
	Attach hdw.	4 ea. AN515-8-10, 4 ea. AN960-8, 4 ea. AN340-8	F/N
48	AG75-3910-1	Shaft-ignition switch torque, 25-12/32" L	FAA-PMA
49	AG75-3910-2	Shaft-ignition switch torque, 37- 5/8" L	FAA-PMA
	AN931-8-13	Grommet-elastic, 1 required	
50	75-3907	Attachment-ignition switch handle	N-S
	386-1-7	Pin-taper, threaded, 1 required	F/N
	Attach hdw.	1 ea. AN975-3, 1 ea. AN320-3, 1 ea. AN3-10, 1 ea. AN960-10, 1 ea. AN310-3, 2 ea. AN380-2-2	F/N
63	S-107-D51	Clamp-7/8" dia. tube	N-P
	Attach hdw.	1 ea. AN520-10-20, 1 ea. AN960-10, 1 ea. AN345-10	F/N
	DSA75-3900-KA7	Ignition switch installation kit with A-7 switch- less hardware	N-S
	DSA75-3900-KA9	Ignition switch installation kit with A-9 switch- less hardware	N-S

REVISIONS

Date	Page Number	Part Number	Changes Made
02/23/2010	70	75-2349-1	Changed description from lh to rh
02/23/2010	70	75-2349-2	Changed description form rh to lh
07/07/2011	108	AG75N1-3116	Changed part number from AGE75-3116
07/07/2011	108	AG75N1-3116-1	Changed part number from AG-112
07/07/2011	108	AG75N1-3116-6,7,8	Changed part number from AGE75-3116-1