

**STC GROUP LLC AUTOPILOT
ILLUSTRATED PARTS CATALOG
MODEL CESSNA 170B, 172 & 175
No Previous Navomatic Autopilot**

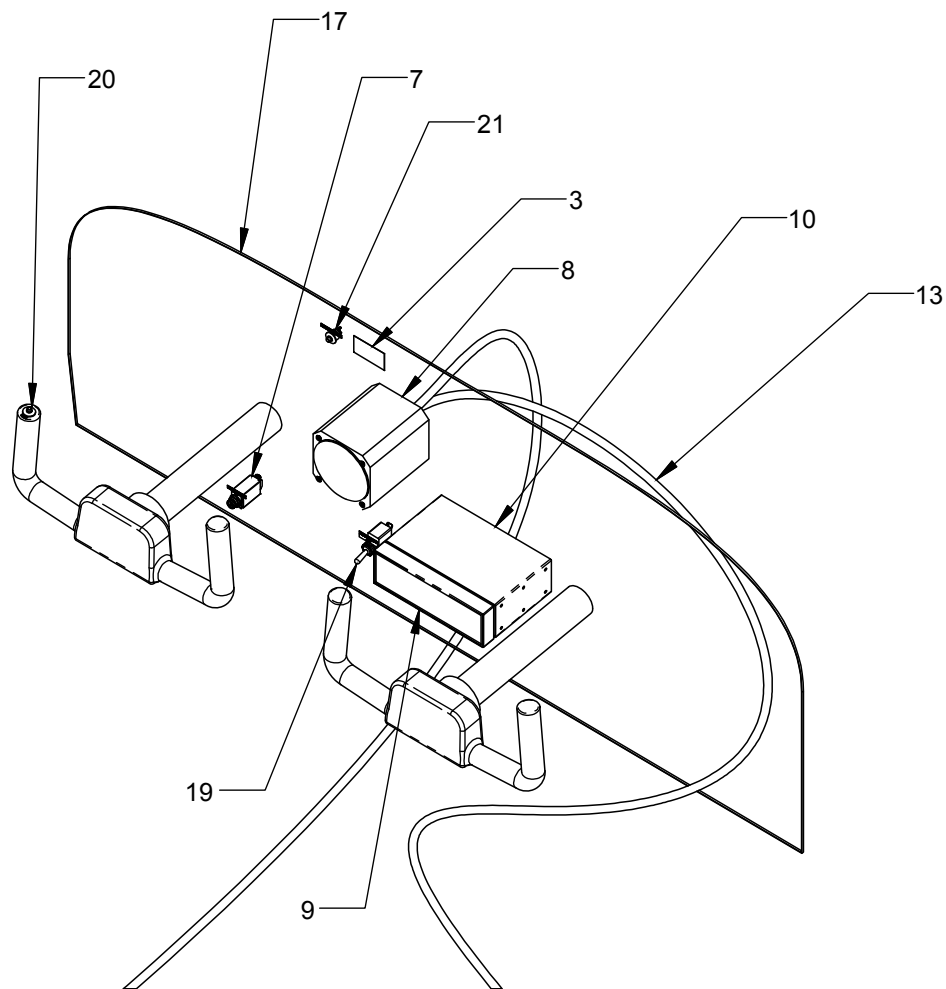


FIGURE 1 - INSTRUMENT PANEL

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	NOTE	FIG
	1	1006203-1	ROLL SERVO INSTALLATION		
	1	1006204	PITCH SERVO INSTALLATION		3,5
	1	1006204-1	PITCH SERVO INSTALLATION	170B/172-172C/175-175C/172RG	6,7,8
3	1	1006450-1	AP LIMITATIONS PLACARD		1
	1	1006451-1	PANEL LABELS		1
7	1	7274-2-5	CIRCUIT BREAKER		1
8	1	10000000	CONTROLLER - AUTOPILOT	NOT REQD W/ RACK MT CONTR	1
9	1	20000000	AP CONTROLLER - RACK MOUNT	REQD W/ RACK MT CONTR ONLY	1
10	1	22500000	TRAY	REQD W/ RACK MT CONTR ONLY	1
11	1	30000000	PITCH SERVO - CW ROTATION		3
1	1	31000000	OPTION 2 PITCH SERVO - CCW	USE WITH TOP # 1006204-1	6
12	1	30000000	ROLL SERVO - CW ROTATION		2
13	1	41000010	WIRE HARNESS ASSY		1,2
19	1	MS35058-22	TOGGLE SWITCH	REQD W/ RACK MT CONTR ONLY	1
20	1	MSPS103C2	PUSHBUTTON SWITCH (RED)		1
21	1	MSPS103C0	PUSHBUTTON SWITCH (BLK)		1

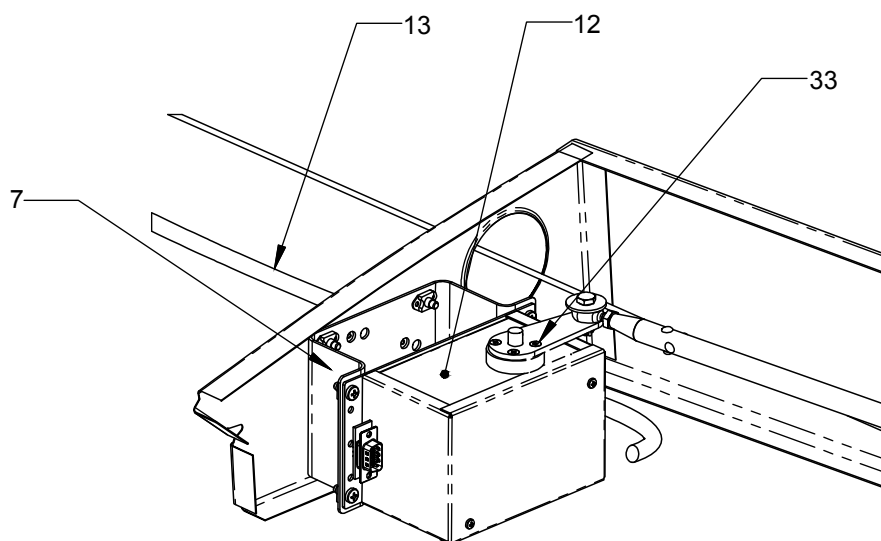


FIGURE 2 - ROLL SERVO INSTL

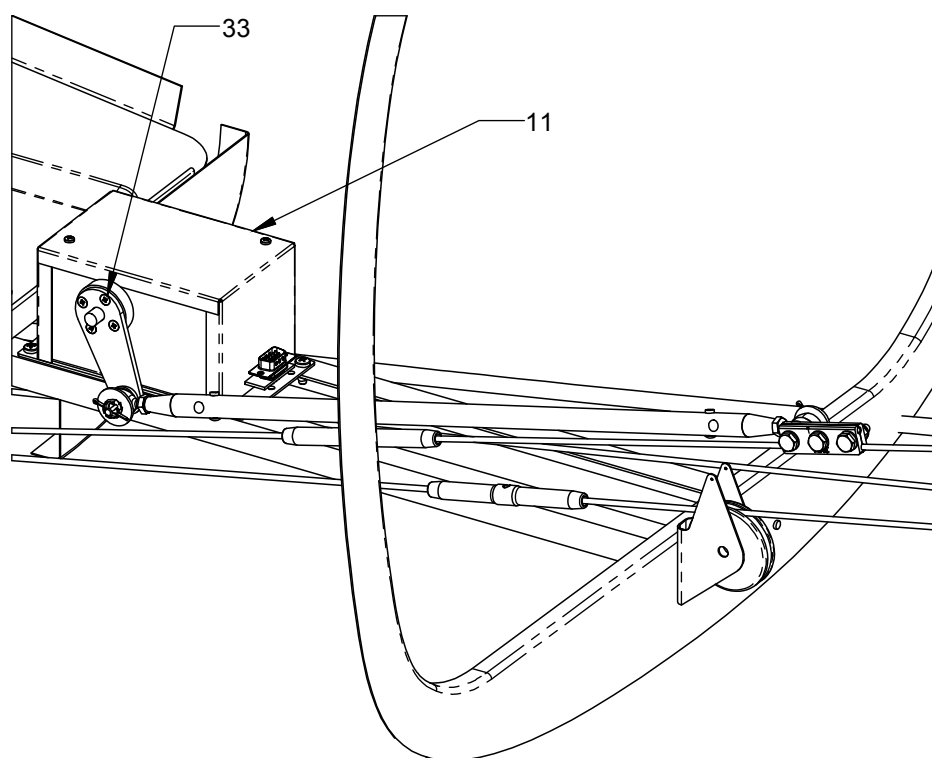


FIGURE 3 - PITCH SERVO INSTL

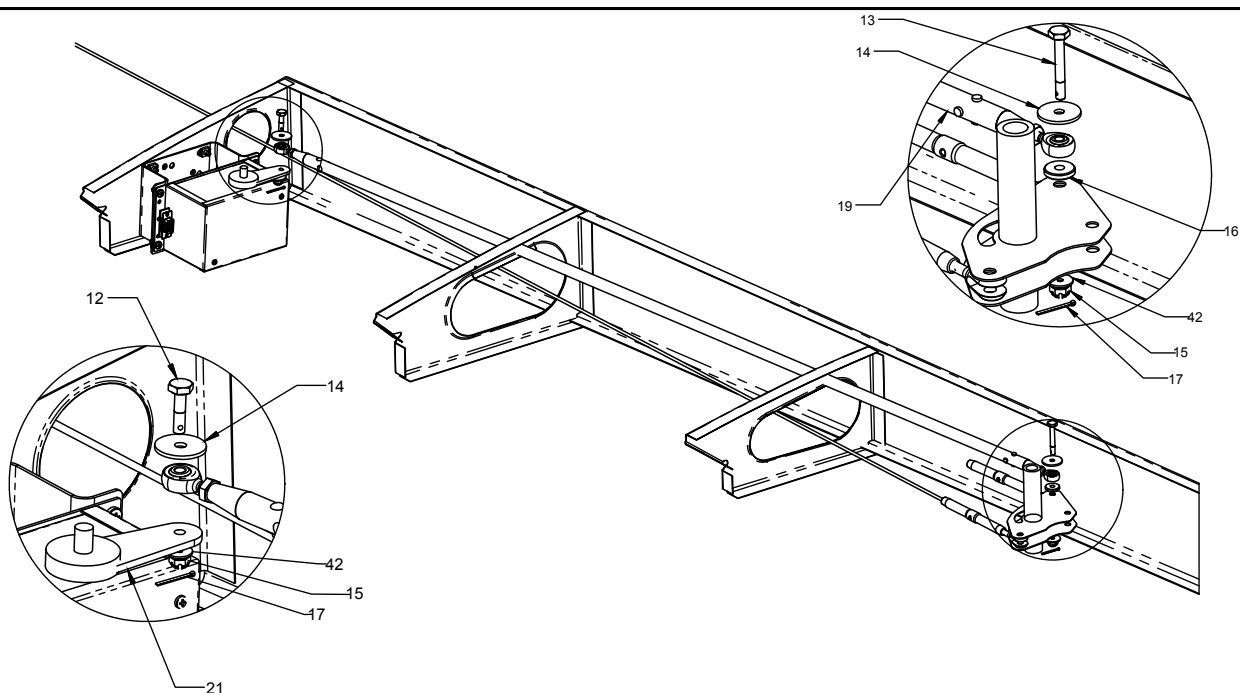


FIGURE 4 - ROLL SERVO PROVISIONS

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	NOTE	FIG
	4	AN525-832R7	WSHR SCREW 8-32 x 7/16		
	1	1006233-1	BRACKET ASSY - ROLL SERVO - M172		
12	1	AN3-6	BOLT 10-32 X .38 GRIP		4
13	1	AN3-13	BOLT 10-32 X 1.00 GRIP		4
14	2	AN970-3	WASHER		4
15	2	AN310-3	NUT - CASTELLATED		4
16	1	1006401-1	SPACER		4
17	2	MS24665-134	COTTER PIN		4
	4	MS27039-0807	SCREW 8-32 X .47		
19	1	1006231-1	TUBE ASSY - ROLL SERVO - M172	112181-1 Drill Jig included	4
	1	30000000	ROLL SERVO - CW ROTATION		2
21	1	1006239-1	SERVO ARM		4
33	4	1011-1006-0032	SCRW - METRIC M3x0.5 x 10MM (.394)		2,3,5
	4	10085	#8 PUSH NUT RETAINER		
	1	1006405-1	ROD END THREADED INSERT		
	1	MM-3	AURORA MM SERIES MALE ROD END OR EQUIVLNT		
	1	AN315-3R	JAM NUT		
	2	MS20470AD4-10	RIVET	ALT P/N MS20470AD4-11	
	1	MS24665-302	COTTER PIN ROLL SERVO SAFETY		
	1	NAS1149F0563P	WASHER ROLL SERVO SAFETY		
	1	MS21919WDG6	WIRE HARNESS CLAMP		
42	2	NAS1149F0332P	WASHER		
	1	1006233-TM	DRILL TEMPLATE ROLL		
	1	112181-1	DRILL JIG - ROLL PUSH PULL		

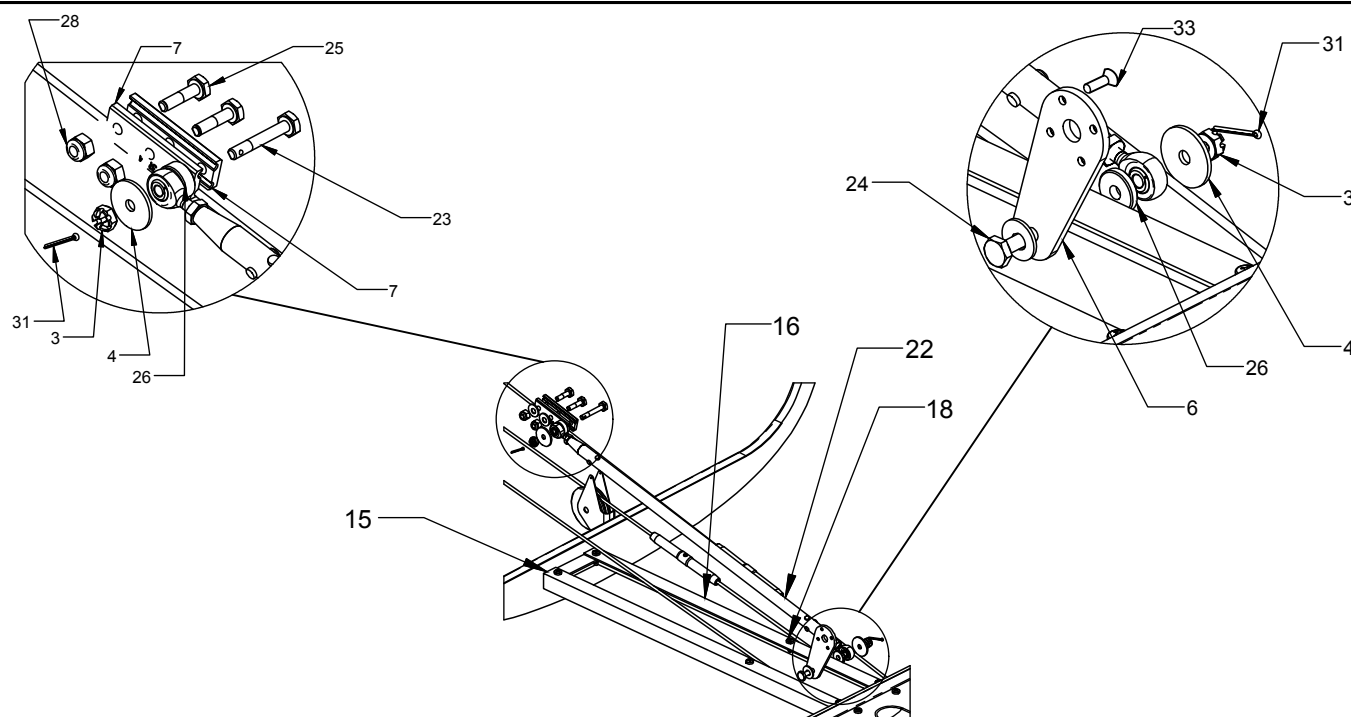


FIGURE 5 - PITCH SERVO PROVISIONS

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	NOTE	FIG
3	2	AN310-3	NUT - CASTELLATED		5
4	2	AN970-3	WASHER		5
6	1	1006239-1	SERVO ARM		5
7	2	9100606-1	CABLE CLAMP HALF		5
	1	1006241-1	ANGLE ASSY - RH PITCH SERVO - M172		
16	1	1006242-1	ANGLE ASSY - LH PITCH SERVO - M172		5
18	8	MS27039-0807	SCREW 8-32 X .47		5
22	1	1006244-1	TUBE ASSY - PITCH SERVO - 172M		5
23	1	AN3-11	BOLT 10-32		5
24	1	AN3-7	BOLT 10-32		5
25	2	AN3-5A	BOLT 10-32		5
26	2	1006401-1	SPACER		5
28	2	MS21044N3	NUT #10		5
29	2	NAS1149F0332P	WASHER		5
	2	MS24665-134	COTTER PIN		
	4	MS20470AD4-4	RIVET		
33	4	1011-1006-0032	SCRW - METRIC M3x0.5 x 10MM (.394)		2,3,5
	1	MS24665-302	COTTER PIN PITCH SERVO SAFETY		
	1	NAS1149F0563P	WASHER PITCH SERVO SAFETY		
	1	1006237	CLIP ASM SERVO PITCH		
	1	MS21919WDG6	WIRE HARNESS CLAMP		

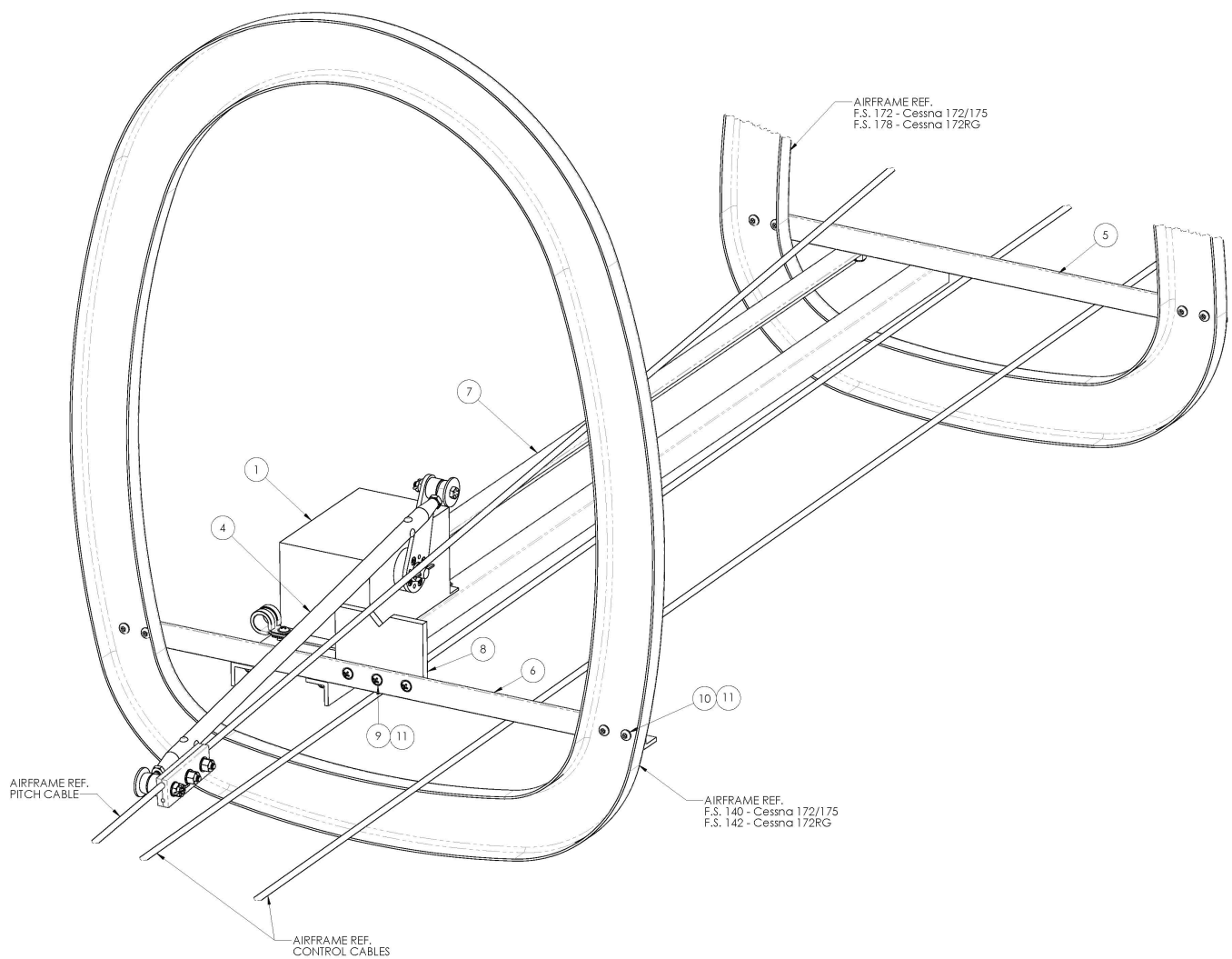


FIGURE 6 - OPTION 2 PITCH SERVO INSTALLATION

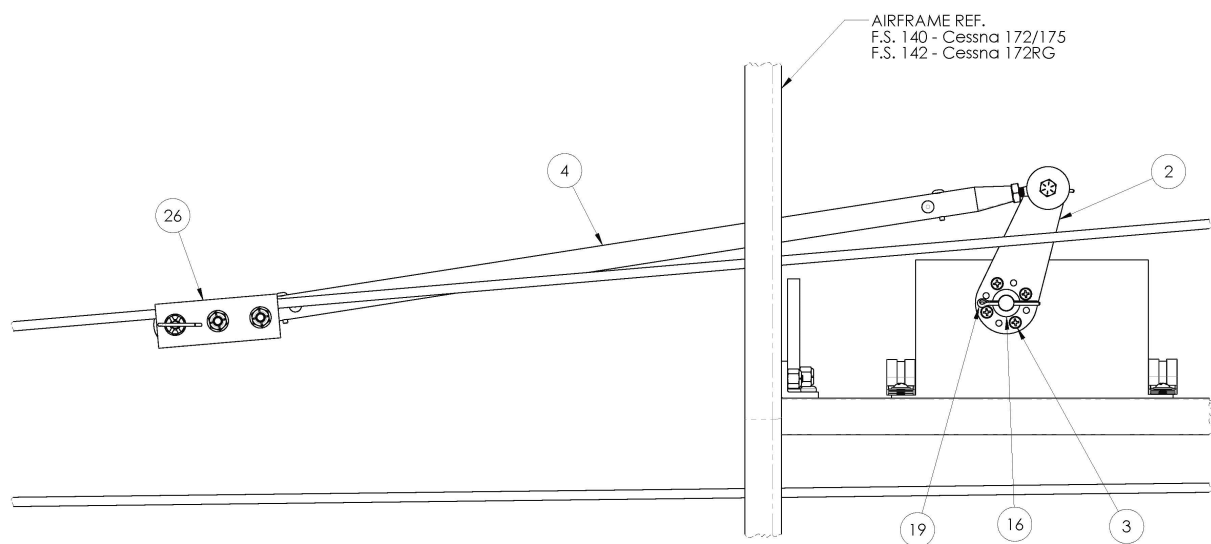


FIGURE 7 - OPTION 2 PITCH SERVO PROVISIONS

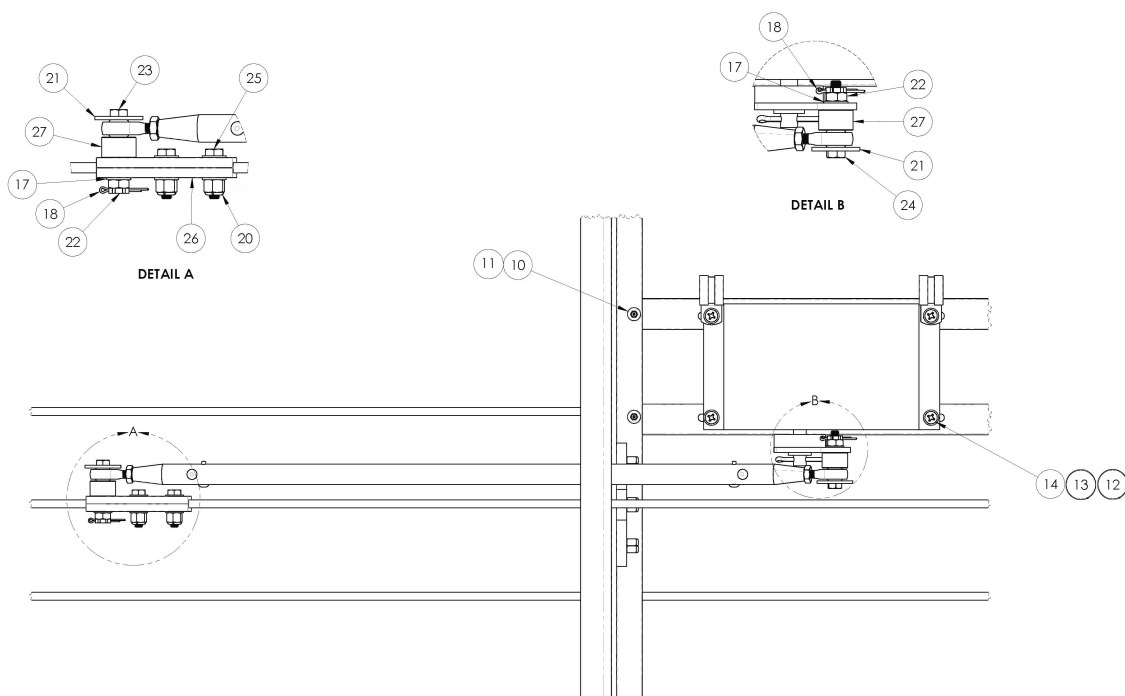


FIGURE 8 - OPTION 2 PITCH SERVO PROVISIONS

Item No.	QTY.	Part Number	Description	NOTE	FIG
1	1	31000000	Trio Servo	30000000 for Cessna 170B	6
2	1	1006402-5	Servo Arm		7
3	4	1011-1006-0032	Screw A2 SS-M3-.5-10MM		7
4	1	1006244	Push/Pull Tube Assy	ALT PN: 1006406-18.050	6, 7
5	1	1006503-17.000	Angle		6, 7
6	1	1006503-25.000	Angle		6
7	2	1006503-37.000	Angle, For / Aft		6
8	1	-	Phenolic Block 2.25" X 3"		6
9	3	AN525-832R10	Screw		6
10	12	AN525-832R8	Screw		6, 8
11	15	MS21044N08	Nut		6, 8
12	8	MS20426AD3-4.5	Rivet		8
13	4	MS21075L08N	Nutplate		8
14	4	MS27039-0807	Screw		8
16	1	NAS1149F0563P	Washer		7
17	6	NAS1149F0332P	Washer		8
18	2	MS24665-134	Cotter Pin		7, 8
19	1	MS24665-302	Cotter Pin		7
20	2	MS21044N3	Nut		8
21	2	AN970-3	Washer		8
22	2	AN310-3	Cattle Nut		8
23	1	AN3-13	Bolt	ALT PN: AN3-11	8
24	1	AN3-11	Bolt		8
25	2	AN3-5A	Bolt		8
26	2	9100606-1	Cable Clamp Half		7
27	2	1006401-3	Spacer	ALT PN: 1006401-1	8