

**STC GROUP LLC AUTOPILOT
ILLUSTRATED PARTS CATALOG
MODEL PIPER PA-28 TAPER WING**

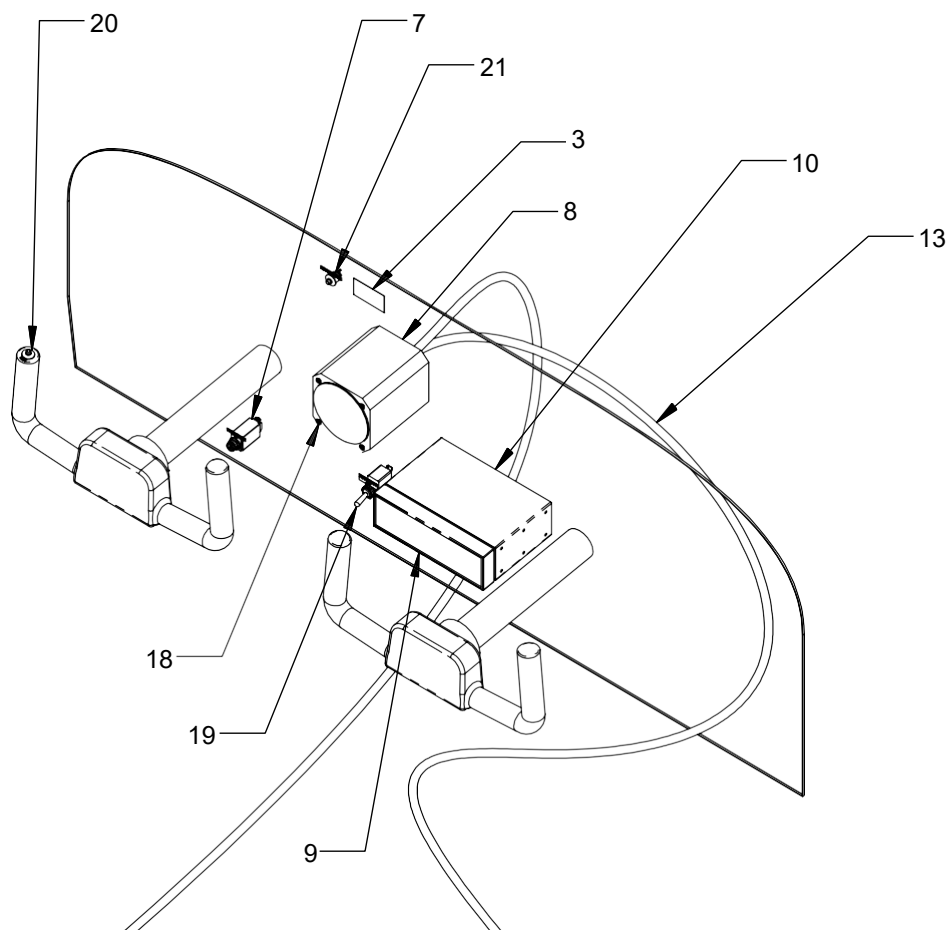


FIGURE 1 - INSTRUMENT PANEL

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	NOTE	FIG
	1	1028802	ROLL SERVO INSTALLATION		
	1	1028811	PITCH SERVO INSTALLATION		
3	1	1006450-1	AP LIMITATIONS PLACARD		1
	1	1006451-1	PANEL LABELS		
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
	1	31000000	PITCH SERVO - CCW ROTATION		
	1	30000000	ROLL SERVO - CW ROTATION	31000000 CCW For retractable Gear	
13	1	41000000	WIRE HARNESS ASSY		1
	1	1032802	ROLL SRVO INSTL STRAIGHT WING	REQD W/ Hershey Bar PA28 / PA32 Only	1
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

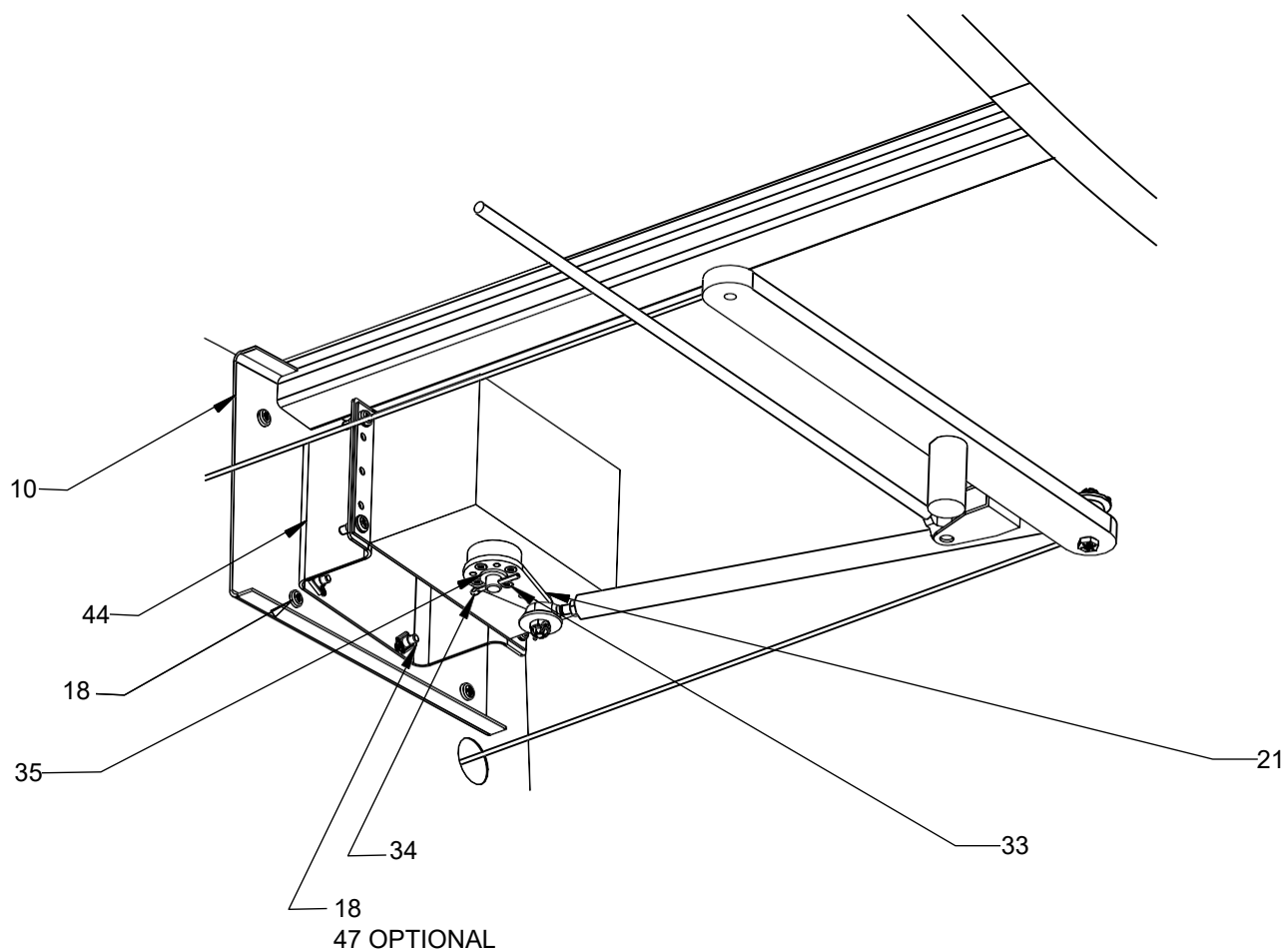


FIGURE 2 - ROLL SERVO INSTL

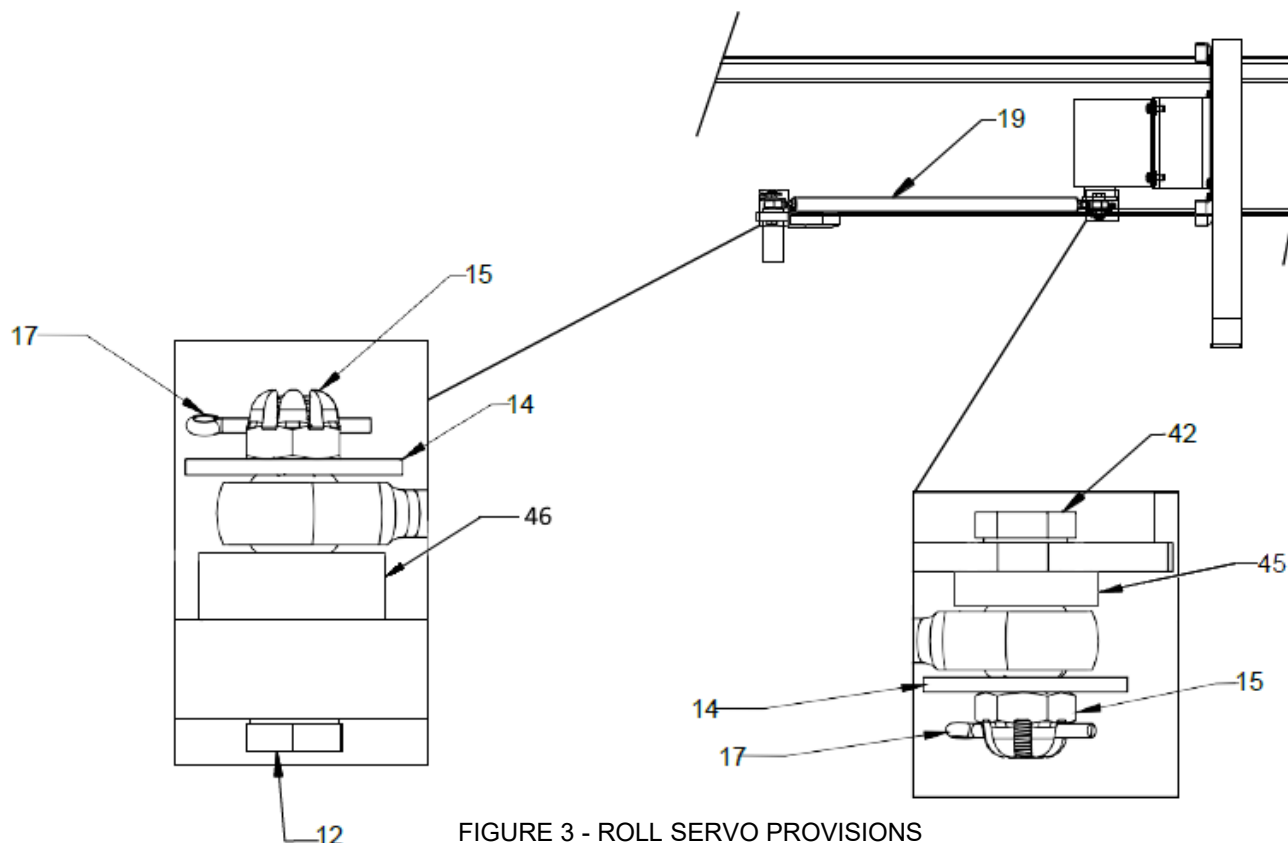


FIGURE 3 - ROLL SERVO PROVISIONS

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	NOTE	FIG
10	1	1028501	BRACKET ASSY - ROLL SERVO		2
12	1	AN3-13	BOLT 10-32		3
14	2	1006411-3	WASHER	ALT PN: AN970-3	3
15	2	AN310-3	NUT - CASTELLATED		3
17	2	MS24665-134	COTTER PIN		3
18	8	MS27039-0807	SCREW 8-32 X .47	ALT PN: AN525-832R7	2,3
19	1	1028705	PUSH PULL ROD ASSY - ROLL SERVO		3
	1	30000000	ROLL SERVO - CW ROTATION	31000000 CCW For retractable Gear	
21	1	1006402-3	SERVO ARM	ALT PN 1006402-5	2
33	4	1011-1006-0032	SCRW - METRIC M3x0.5 x 10MM (.394)		2
34	1	MS24665-302	COTTER SERVO SAFETY		2
35	1	NAS1149F0563P	WASHER SERVO SAFETY		2
42	1	AN3-7	BOLT 10-32	AN3-6 for Retractable Gear	3
	4	CN614CR08P	8-32 CLICKBOND NUT PLATE		
44	1	1006233-1	BRACKET ASSEMBLY		2
45	1	1006401-1	SPACER	Omit for Retractable Gear	3
46	1	1006401-2	SPACER		2
47	5	MS24693-S50	COUNTERSUNK SCREW OPTION		2
	2	CB92 - CB200	CLICKBOND ADHESIVE KIT		
	1	AA309-09B	OIL IMBEDDED SLEEVE BEARING	McMaster Carr PN: 6391K858	

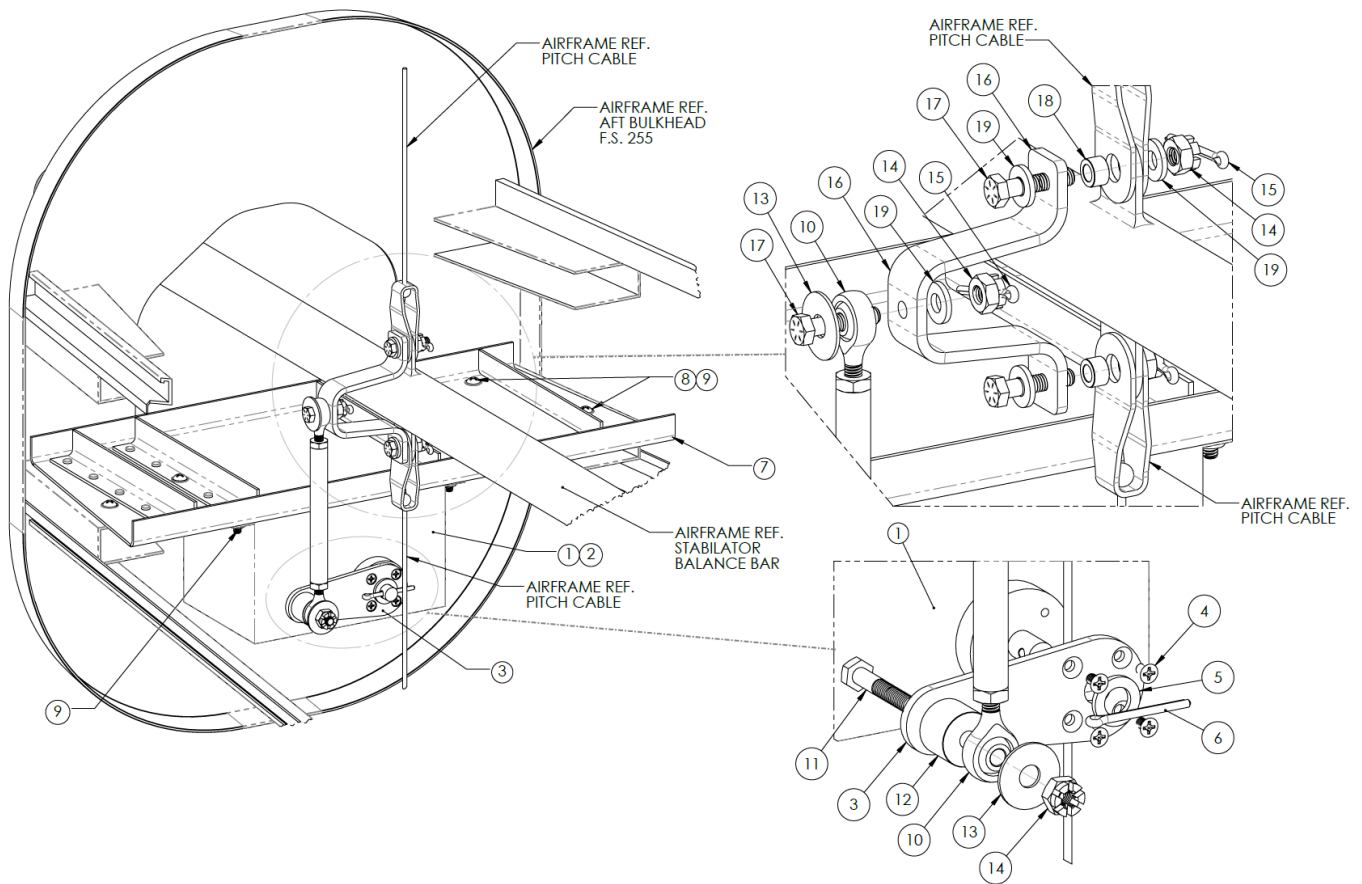


FIGURE 4 - PITCH SERVO PROVISIONS

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	NOTE	FIG
1	1	31000000	SERVO CCW		4
2	1	901-115	SERVO BASEPLATE		4
3	1	1006239-1	SERVO ARM		4
4	4	1011-1006-0032	SCRW - METRIC M3x0.5 x 10MM (.394)		4
5	1	NAS1149F0563P	WASHER		4
6	1	MS24665-302	COTTER PIN		4
7	1	1028711	BRACKET ASSY. PITCH PIPER		4,5
8	4	CN614CR08P	CLICKBOND KITS (NUTPLATES)	ALT PN: MS21044N08	4
9	8	AN525-832R7	SCREW	ALT PN: MS27039-0807	4,5
10	1	1028706-4.650	ROD ASSEMBLY 3/8"		4
11	1	AN3-12	BOLT		4
12	1	1006401-4	SPACER		4
13	2	1006411-3	WASHER	ALT PN: AN970-3	4
14	4	AN310-3	CASTLE NUT		4
15	4	MS24665-134	COTTER PIN		4
16	1	1028702	PITCH ADAPTER PIPER		4
17	3	AN3-7	BOLT		4
18	2	AA309-09B	OIL IMBEDDED SLEEVE BEARING 0.120"		4
19	5	NAS1149F0363P	WASHER		4
	4	MS35338-42M	LOCK WASHER FOR SERVO SCREWS		4

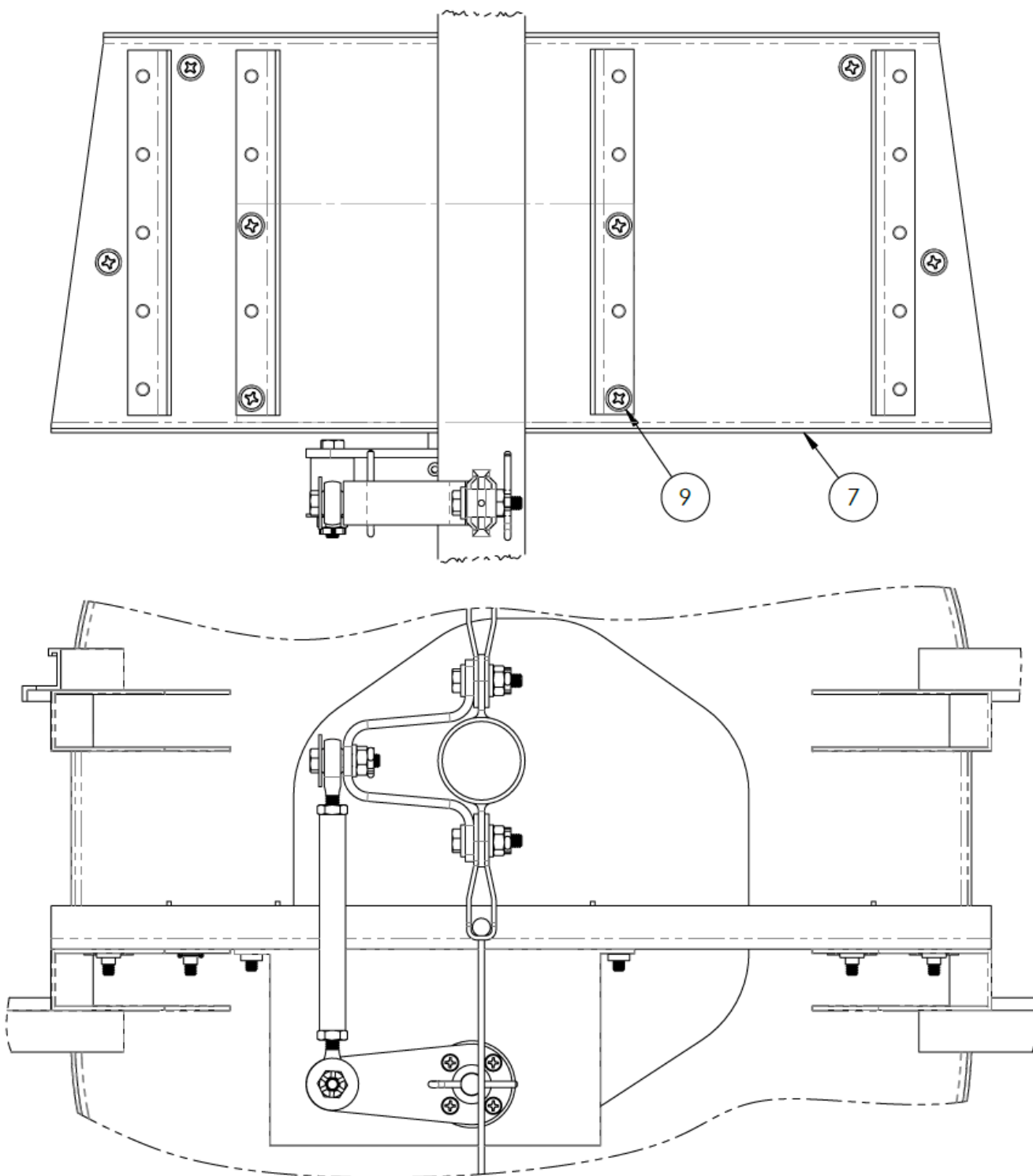


FIGURE 5 -PITCH SERVO INSTL