

STC GROUP LLC AUTOPILOT
ILLUSTRATED PARTS CATALOG
PIPER AIRCRAFT
MODEL PA-24, PA-24-250, PA-24-260, PA-24-400

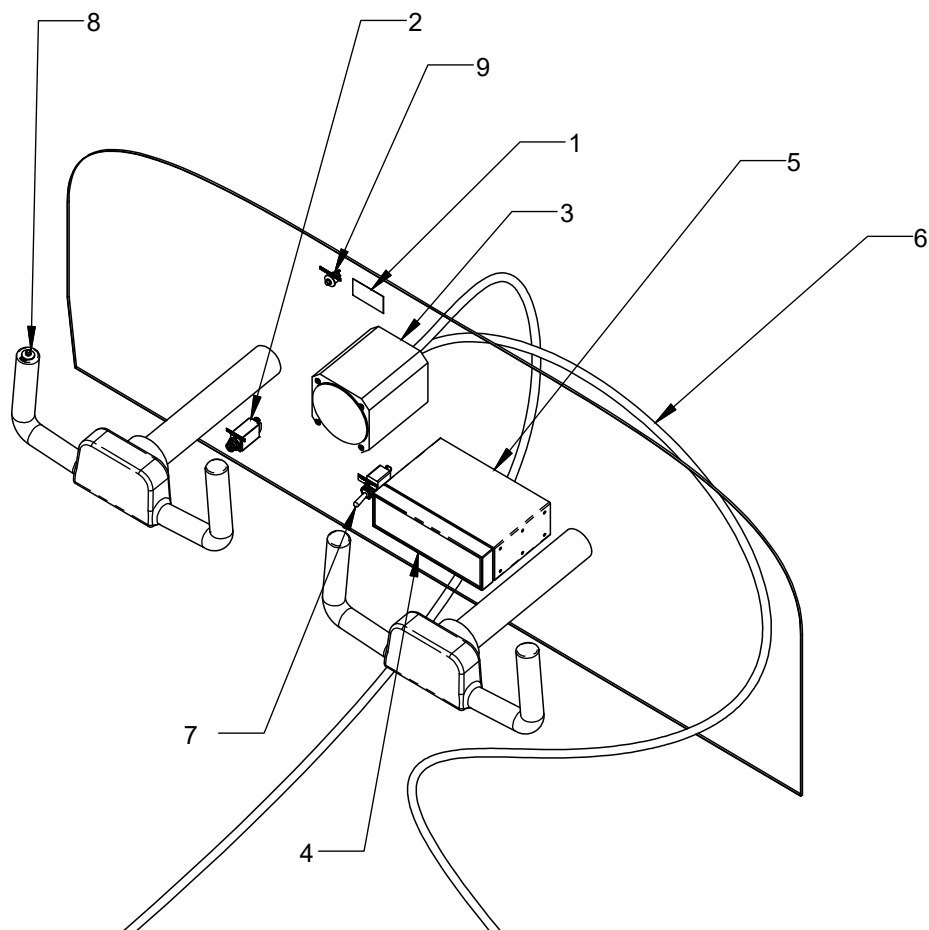


FIGURE 1 - INSTRUMENT PANEL

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	NOTE	FIG
	1	1024802	ROLL SERVO TOP INSTALLATION		
	1	1024803	PITCH SERVO TOP INSTALLATION		
1	1	1006450-1	AP LIMITATIONS PLACARD		1
	1	1006451-1	PANEL LABELS		
2	1	7274-2-5	CIRCUIT BREAKER		1
3	1	10000000	CONTROLLER - INSTRUMENT MOUNT		1
4	1	20000000	CONTROLLER - RACK MOUNT		1
5	1	22500000	TRAY		1
	1	30010000	CAPSTAN ROLL SERVO - CW ROTATION		1
	1	31010000	CAPSTAN PITCH SERVO - CCW ROTATION		1
6	1	41010000	WIRE HARNESS ASSEMBLY - PA-24		1
7	1	MS35058-22	TOGGLE SWITCH	(REQUIRED FOR RACK MOUNT CONTROLLER ONLY)	1
8	1	MSPS103C2	PUSH BUTTOM SWITCH (RED)		1
9	1	MSPS103C0	PUSH BUTTOM SWITCH (BLACK)		1

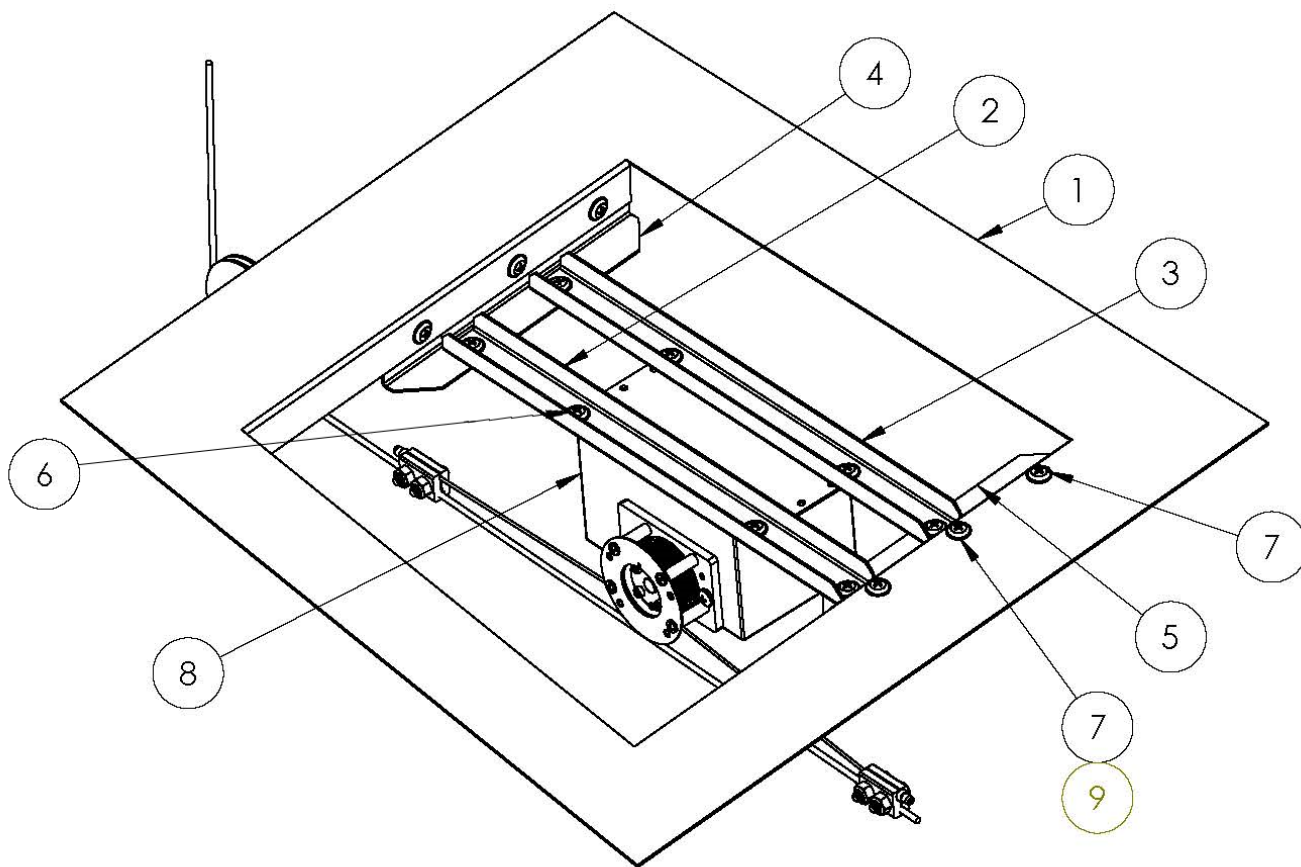


FIGURE 2 - ROLL SERVO PROVISIONS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1		COCKPIT FLOOR	REF
2	1024207	OUTBOARD ROLL SERVO MTG BKT	1
3	1024208	INBOARD ROLL SERVO MTG BKT	1
4	1024201-1	ROLL SERVO FORWARD RAIL MOUNTING BRACKET ASSY	1
5	1024202-1	ROLL SERVO AFT RAIL MOUNTING BRACKET ASSY	1
6	AN525-832R7	SERVO ATTACH SCREWS (With: MS35338-42)	4
7	AN525-832R7	8-32 X 7/16 PHILLIPS WASHER HEAD SCREW	8
8	1024204	ASSY, TRIO GOLD STANDARD SERVO, CW (ROLL)	1
9	MS21044N08	8-32 LOCK NUT	1

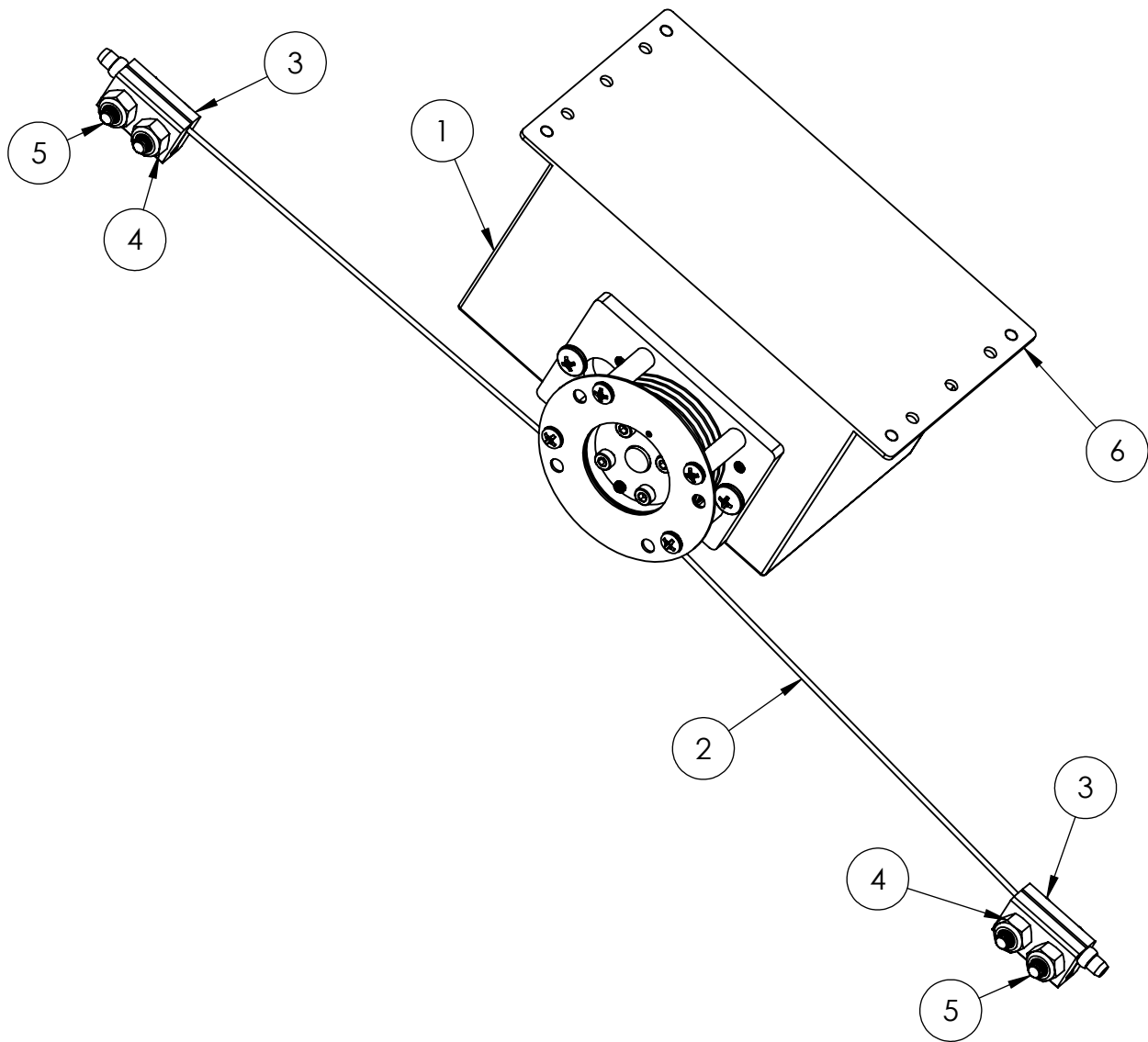


FIGURE #3 - ROLL SERVO ASSEMBLY DETAIL

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1024204	TRIO GOLD STANDARD SERVO, CW INSTALLATION	REF
2	1024206-20.00	BRIDLE CABLE ASSY 20" L.	2
3	CC1001	CABLE CLAMP	4
4	AN365-1032A	10-32 LOCK NUT (Alternate PN: MS21044N3)	4
5	AN3-5A	10-32 HEX BOLT	4
6	901-115	SERVO BASE PLATE SUPPLIED WITH 1024802 SERVO	1

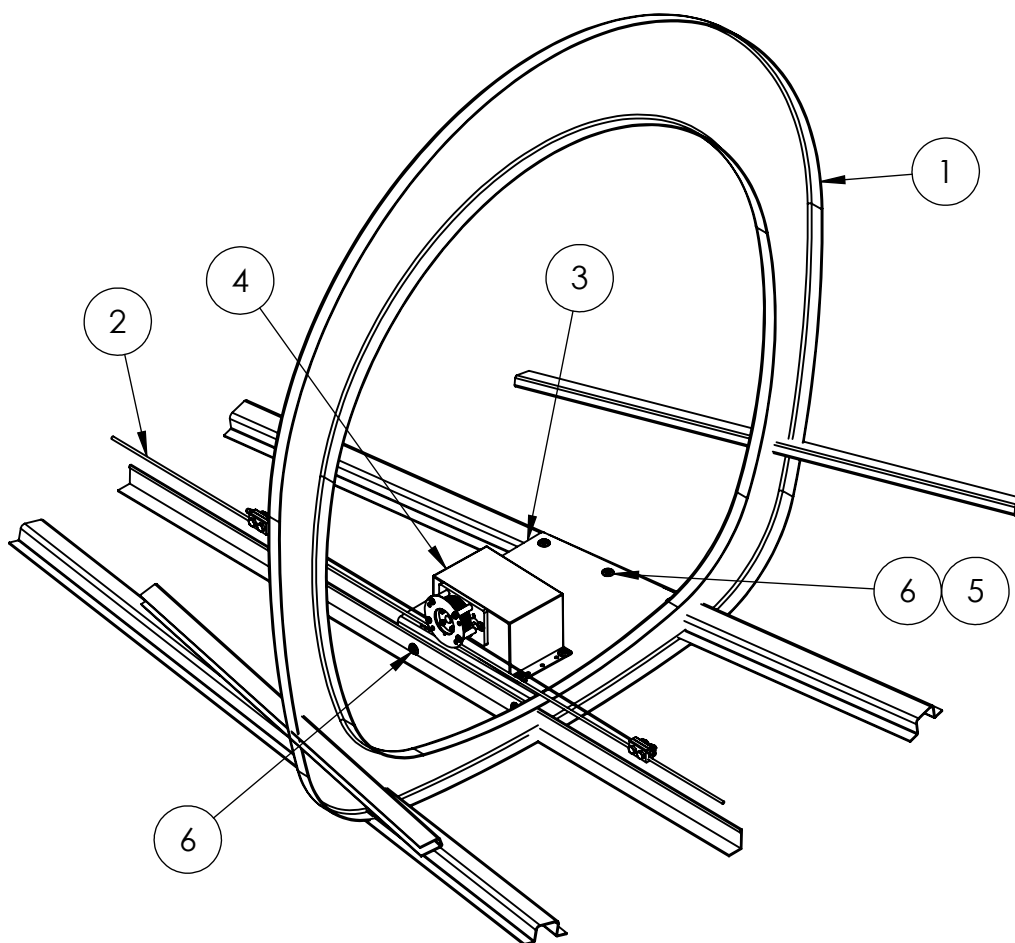


FIGURE 4 - PITCH SERVO PROVISIONS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1		BULKHEAD F.S. 184	REF
2		LOWER PITCH CABLE, EXISTING	REF
3	1024301-1	PA24 PITCH SERVO BRACKET ASSY	1
4	1024205	ASSY, TRIO GOLD STANDARD SERVO, CCW (PITCH)	1
5	NAS1329A08K75	8-32 RIVNUT	3
6	AN525-832R7	8-32 X 7/16 PHILLIPS WASHER HEAD SCREW	9

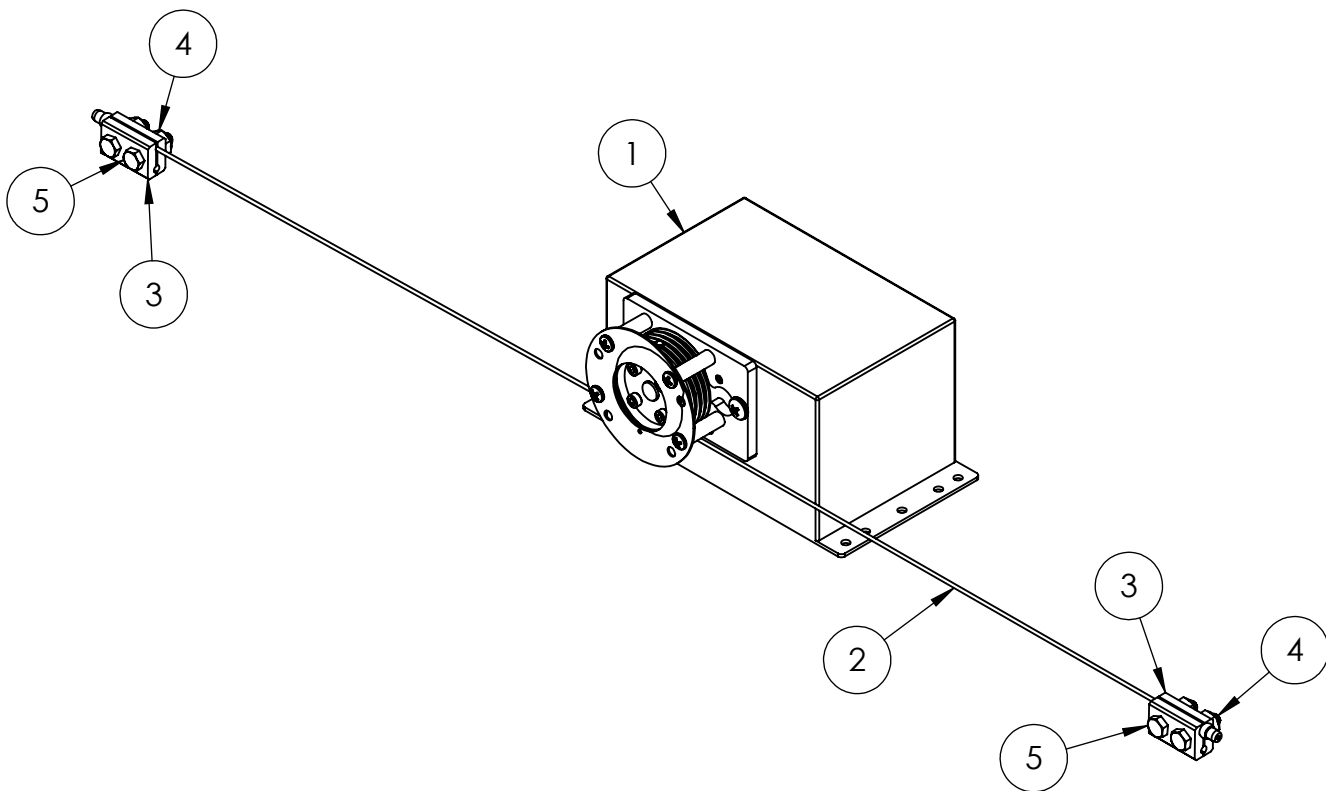


FIGURE #5 - PITCH SERVO ASSEMBLY DETAIL

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1024205	TRIO GOLD STANDARD SERVO, CCW INSTALLATION	REF
2	1024206-36.00	BRIDLE CABLE ASSEMBLY 36"L.	1
3	CC1001	CABLE CLAMP	4
4	AN365-1032A	10-32 LOCK NUT (Alternate PN: MS21044N3)	4
5	AN3-5A	10-32 HEX BOLT	4