

Flight Controls

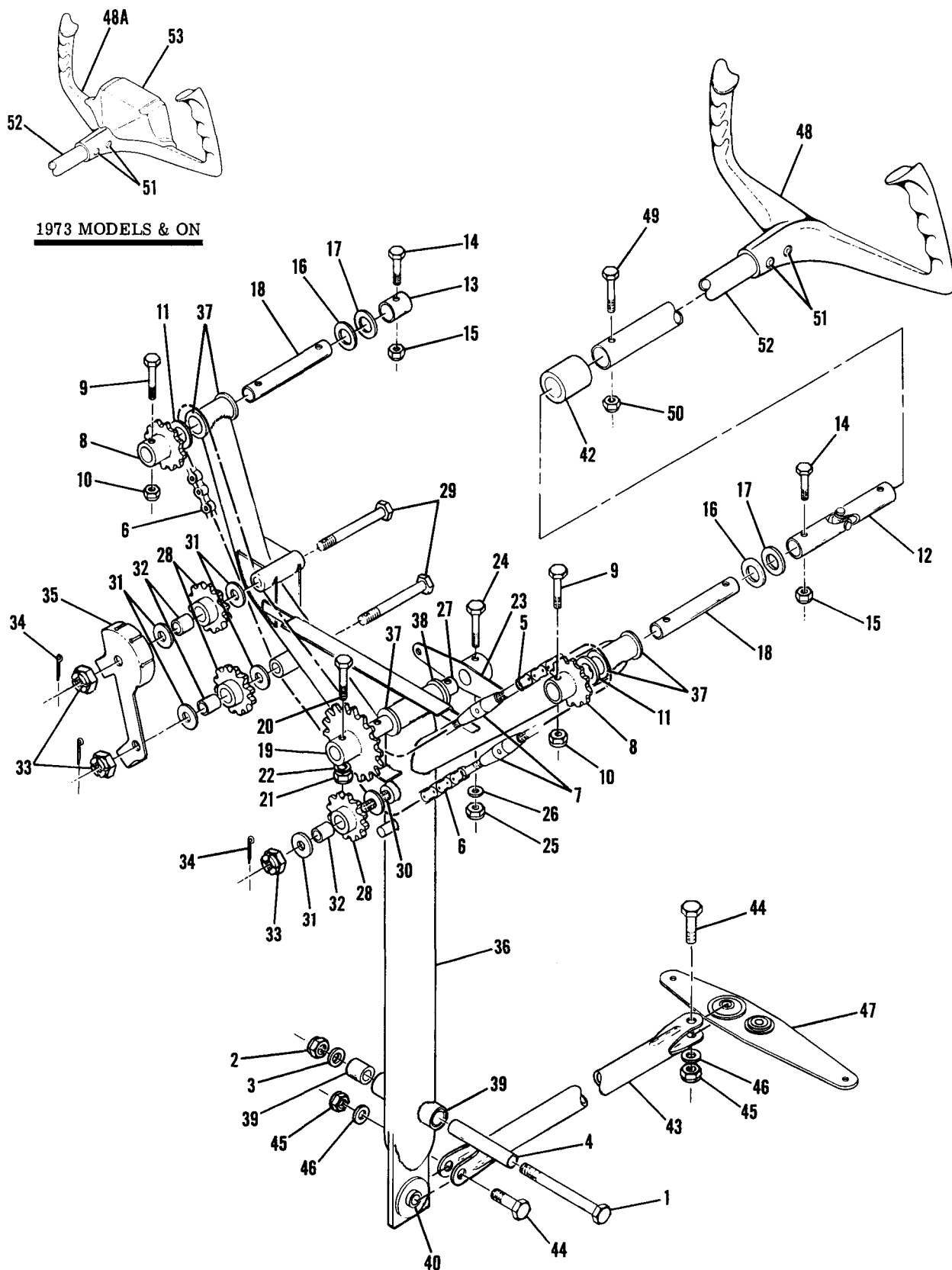


Figure 64. Control Y Installation



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
64 -	0460128-1	CONTROL Y INSTALLATION -----	NP	
		CONTROL Y ASSEMBLY -----	1	
		ATTACHING PARTS -----		
- 1	AN4-31A	BOLT -----	1	
- 2	MS21042L4	NUT -----	1	
- 3	AN960-416L	WASHER -----	1	
- 4	S18-30	BUSHING -----	1	
		-----*		
- 5	0413372-1	CHAIN ASSEMBLY-CONTROL Y -----	1	
- 6	0413372-8	CHAIN ASSEMBLY-CONTROL Y -----	1	
- 7	AN155-32S	BARREL -----	2	
- 8	0411047	SPROCKET -----	2	
		ATTACHING PARTS -----		
- 9	AN3-11A	BOLT -----	1	
-10	MS21044N3	NUT -----	1	
-11	AN960-816	WASHER -----	2	
		-----*		
-12	0411257	UNIVERSAL JOINT LH ONLY -----	1	
-13	0460101	SPACER RH ONLY -----	1	
	0411257	UNIVERSAL JOINT RH DUAL CONTROLS -----	2	
		ATTACHING PARTS -----		
-14	AN3-10A	BOLT -----	1	
-15	MS21044N3	NUT -----	1	
-16	AN960-816	WASHER -----	1	
-17	0411221-2	WASHER -----	AR	
		-----*		
-18	0411255	SHAFT -----	2	
-19	0413374-1	SPROCKET -----	1	
		ATTACHING PARTS -----		
-20	AN3-11A	BOLT -----	1	
-21	MS21044N3	NUT -----	1	
-22	AN960-10	WASHER -----	1	
		-----*		
-23	0413370-1	ARM -----	1	
		ATTACHING PARTS -----		
-24	AN3-11A	BOLT -----	1	
-25	MS21044N3	NUT -----	1	
-26	AN960-10	WASHER -----	1	
		-----*		
-27	0413379	SHAFT -----	1	
-28	0413373-1	SPROCKET -----	3	
		ATTACHING PARTS -----		
-29	AN4-25	BOLT -----	1	
-30	AN4-30	BOLT -----	1	
-31	NAS70-261-750	WASHER -----	2	
-32	0413380-1	BUSHING -----	1	
-33	AN310-4	NUT -----	1	
-34	MS24665-132	COTTER PIN -----	1	
		-----*		
-35	0460129-1	GUARD -----	1	
-36	0460128-200	CONTROL Y ASSEMBLY -----	1	
-37	S1004-28A	BEARING -----	5	
-38	S1004-29A	BEARING -----	1	
-39	B610	BEARING TOR -----	2	
-40	MS27261KSP4	BEARING -----	1	
-41		DELETED, NOT AVAILABLE -----		
-42	S1495-10	HOSE-1.12 IN LG BULK ITEM REF S1495-10-1.12 -----	2	
-43	0460116-3	LINK-ELEVATOR CONTROL -----	1	
		ATTACHING PARTS -----		
-44	AN4-11A	BOLT -----	2	
-45	MS21042L4	NUT -----	2	
-46	AN960-416	WASHER -----	2	
		-----*		
-47	0411258-1	BELLCRANK-ELEVATOR CONTROL -----	1	
		CONTINUED ON NEXT PAGE		

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
64 -48	0513240-16	CONTROL WHEEL ASSEMBLY-PILOT & COPILOT WEU 0513261-7 -----	2	A
	0513240-18	CONTROL WHEEL ASSEMBLY-PILOT & COPILOT NOT DRILLED -----	2	B
	0513261-7	FOR MIKE SWITCH WEU 0513261-7		
	0513240-20	CONTROL WHEEL ASSEMBLY-PILOT & COPILOT NOT DRILLED -----	2	C
		FOR MIKE SWITCH		
	0513261-8	CONTROL WHEEL ASSEMBLY-PILOT ONLY DRILLED FOR MIKE SWITCH -	1	B
	0513261-10	WEU 0513261-8		
-48A	0513261-8	CONTROL WHEEL ASSEMBLY-PILOT ONLY DRILLED FOR MIKE SWITCH -	1	C
	0513261-10	CONTROL WHEEL ASSEMBLY-PILOT & COPILOT NOT DRILLED -----	2	J
		FOR MIKE SWITCH		
	0513261-16	CONTROL WHEEL ASSEMBLY-PILOT & COPILOT NOT DRILLED -----	2	K
		FOR MIKE SWITCH		
	0513261-11	CONTROL WHEEL ASSEMBLY-PILOT ONLY DRILLED FOR MIKE SWITCH -	1	J
	0513261-17	CONTROL WHEEL ASSEMBLY-PILOT ONLY DRILLED FOR MIKE SWITCH --	1	K
		ATTACHING PARTS		
-49	AN3-10A	BOLT -----	1	
-50	MS21044N3	NUT -----	1	
		-----*		
	0513239-9	WHEEL-CONTROL PILOT & COPILOT WEU 0513260-13 -----	1	A
	0513239-13	WHEEL-CONTROL PILOT & COPILOT NOT DRILLED -----	1	B
		FOR MIKE SWITCH WEU 0513260-13		
	0513239-18	WHEEL-CONTROL PILOT & COPILOT FSO 0513261-7 -----	NP	D
	0513260-13	WHEEL-CONTROL PILOT & COPILOT NOT DRILLED -----	1	E
		FOR MIKE SWITCH		
	0513260-4	WHEEL-CONTROL PILOT & COPILOT NOT DRILLED -----	1	H
		FOR MIKE SWITCH		
	0513239-15	WHEEL-CONTROL PILOT ONLY DRILLED FOR MIKE SWITCH ---	1	B
	0513260-19	WHEEL-CONTROL PILOT ONLY DRILLED FOR MIKE SWITCH ---	NP	D
		FSO 0513261-8		
	0513260-14	WHEEL-CONTROL PILOT ONLY DRILLED FOR MIKE SWITCH ---	1	E
	0513260-5	WHEEL-CONTROL PILOT ONLY DRILLED FOR MIKE SWITCH ---	1	H
-51	0413216-6	RIVET -----	2	F
	0413216-6	RIVET AFT HOLE -----	1	D
	0413216-9	RIVET FWD HOLE -----	1	D
-52	0413213-16	TUBE WEU 0413213-19 -----	1	A
	0413213-19	TUBE -----	1	G
	0413213-21	TUBE USED WITH 0513239-18 & 0513260-19 ONLY -----	1	D
	0413213-26	TUBE -----	1	K
-53	0514088-1	PAD-CONTROL WHEEL -----	2	L
	0414044-1	PAD-CONTROL WHEEL -----	2	M
	0514097-1	PAD-CONTROL WHEEL -----	2	N
	SEE FIG 2 & 2A	PLACARD-CONTROL WHEEL INSIGNIA -----	AR	
A---150 SERIAL 15071129 THRU 15072003 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500226 FA150 SERIAL FA1500001 THRU FA1500081 B---150 SERIAL 15072004 THRU 15072725, 15072744, 15072750 & 15072751 F150 SERIAL F15000659 THRU F15000863 A150 SERIAL A1500227 THRU A1500279 FA150 SERIAL FA1500082 THRU FA1500166 C---150 SERIAL 15072726 THRU 15072743, 15072745 THRU 15072749, 15072752 THRU 15073658 A150 SERIAL A1500280 THRU A1500342 D---150 SERIAL 15072726 THRU 15072743, 15072745 THRU 15072749, 15072752 THRU 15073391 A150 SERIAL A1500280 THRU A1500330 E---150 SERIAL 15073392 THRU 15073658 F150 SERIAL F15000834 THRU F15000863 A150 SERIAL A1500331 THRU A1500342 F---150 SERIAL 15071129 THRU 15072725, 15072744, 15072750, 15072751, 15073392 & ON F150 SERIAL F15000530 & ON A150 SERIAL A1500001 THRU A1500279, A1500331 & ON FA150 SERIAL FA1500001 & ON				
CONTINUED ON NEXT PAGE				



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
64 -		G---150 SERIAL 15072004 THRU 15072725, 15072744, 15072750, 15072751, 15073392 THRU 15074384 F150 SERIAL F15000659 THRU F15000943 A150 SERIAL A1500227 THRU A1500279, A1500331 THRU A1500389 FA150 SERIAL FA1500082 THRU FA1500211 H---150 SERIAL 15073659 & ON F150 SERIAL F15000864 & ON A150 SERIAL A1500343 & ON FA150 SERIAL FA1500167 & ON J---150 SERIAL 15073659 THRU 15074384 F150 SERIAL F15000864 THRU F15000943 A150 SERIAL A1500343 THRU A1500389 FA150 SERIAL FA1500167 THRU FA1500211 K---150 SERIAL 15074385 & ON F150 SERIAL F15000944 & ON A150 SERIAL A1500390 & ON FA150 SERIAL FA1500212 & ON L---150 SERIAL 15073659 THRU 15074850 F150 SERIAL F15000864 THRU F15001013 A150 SERIAL A1500343 THRU A1500429 FA150 SERIAL FA1500167 THRU FA1500211 M---150 SERIAL 15074851 THRU 15075781 F150 SERIAL F15001014 THRU F15001143 A150 SERIAL A1500430 THRU A1500523 FA150 SERIAL FA1500212 THRU FA1500261 N---150 SERIAL 15075782 & ON F150 SERIAL F15001144 & ON A150 SERIAL A1500524 & ON FA150 SERIAL FA1500262 & ON								

Flight Controls (Cont)

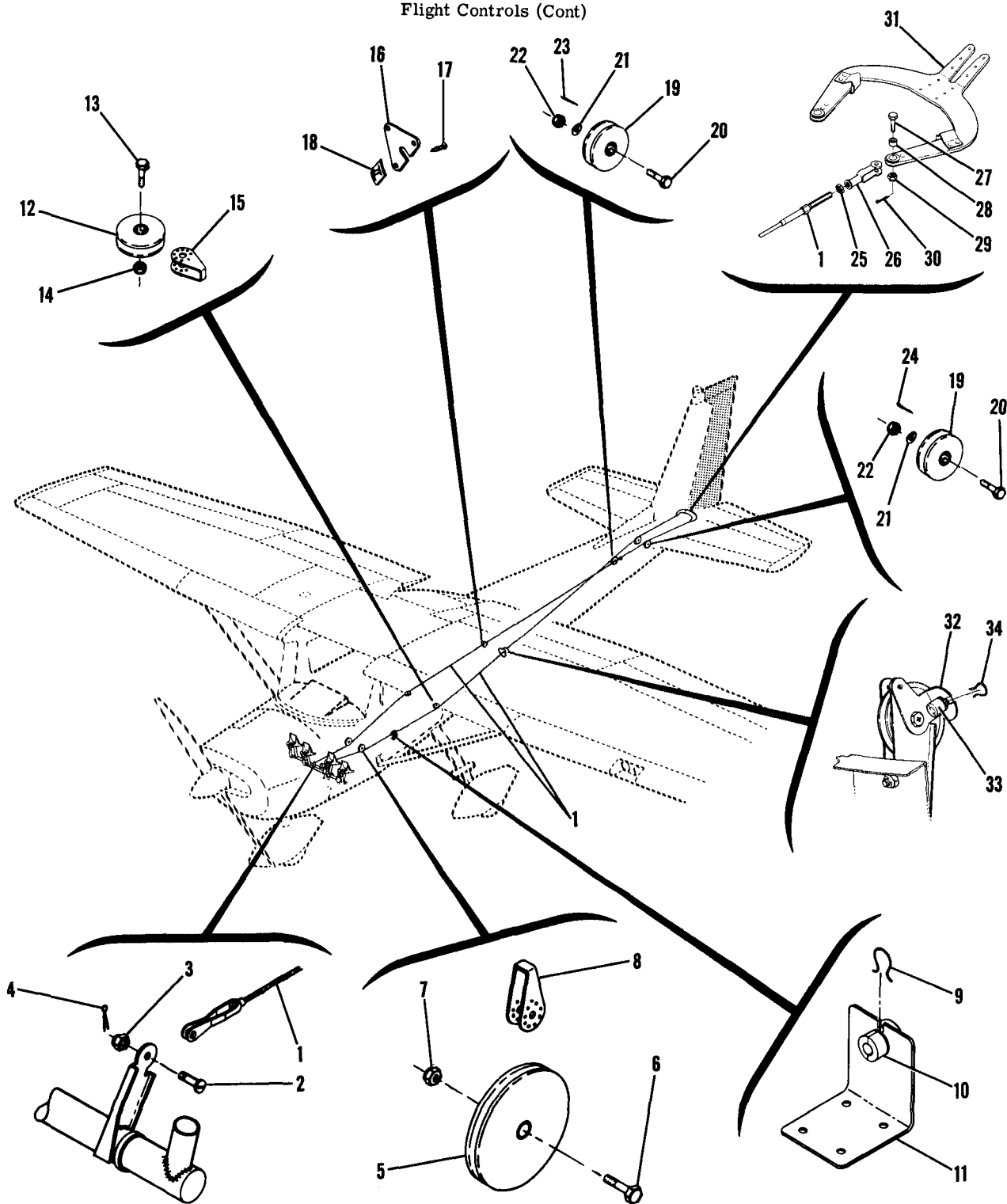
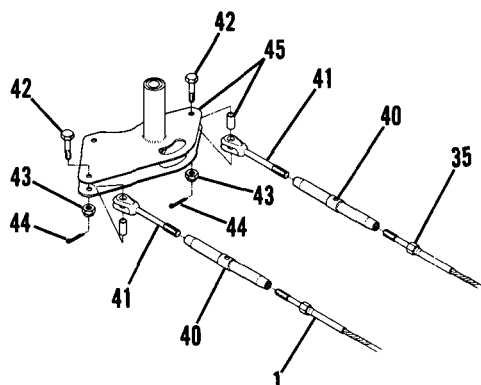


Figure 65. Rudder Control System Installation

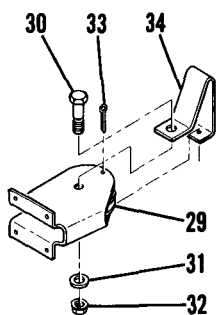


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
65 -		RUDDER CONTROL SYSTEM INSTALLATION	NP	
- 1	0400107-49	CABLE ASSEMBLY-RUDDER CONTROL LH	1	
	0400107-149	CABLE ASSEMBLY-RUDDER CONTROL LH STAINLESS STEEL	1	
	0400107-50	CABLE ASSEMBLY-RUDDER CONTROL RH	1	
	0400107-150	CABLE ASSEMBLY-RUDDER CONTROL RH STAINLESS STEEL	1	
		ATTACHING PARTS		
- 2	AN23-10	BOLT	1	
- 3	AN310-3	NUT	1	
- 4	MS24665-132	PIN-COTTER	1	
		---*---		
- 5	S378-4	PULLEY	2	
		ATTACHING PARTS		
- 6	AN4-10A	BOLT	1	
- 7	MS21042L4	NUT	1	
- 8	0411421-6	GUARD	1	
		---*---		
- 9	S339-1	CLIP	1	
-10	S338-1	FAIRLEAD-HALF	2	
-11	0460200-1	RETAINER-FAIRLEAD	1	
-12	S378-3	PULLEY	2	
		ATTACHING PARTS		
-13	AN4-10A	BOLT	1	
-14	MS21042L4	NUT	1	
-15	0411421-2	GUARD	1	
		---*---		
-16	0412168-1	FAIRLEAD	1	
		ATTACHING PARTS		
-17	S102128-6	SCREW	3	
-18	NAS446-4-3	NUT	3	
		---*---		
-19	S378-3	PULLEY	3	
		ATTACHING PARTS		
-20	AN4-10A	BOLT	1	
-21	AN960-416	WASHER	1	
-22	MS21042L4	NUT	1	
		---*---		
-23	MS24665-283	PIN-COTTER CABLE GUARD	1	
-24	MS24665-134	PIN-COTTER CABLE GUARD	2	
-25	AN315-4R	NUT	2	
-26	MS27975-3	CLEVIS	2	
		ATTACHING PARTS		
-27	AN3-7A	BOLT	1	B
	AN3-6	BOLT	1	C
-28	NAS74A3-004	BUSHING	1	
	NAS74A3-004P	BUSHING ALTERNATE	1	
-29	MS21044N3	NUT	1	B
	AN310-3	NUT	1	C
-30	MS24665-134	PIN-COTTER	1	C
		---*---		
-31	SEE FIG 22 & 22A	HORN ASSY-RUDDER	1	
-32	0460151-1	SUPPORT-FAIRLEAD	1	A
-33	S338-1	FAIRLEAD HALF	2	A
-34	S339-1	CLIP	1	A
		A---150 SERIAL 15074662 & ON F150 SERIAL F15001063 & ON A150 SERIAL A1500416 & ON FA150 SERIAL FA1500236 & ON B---150 SERIAL 15071129 THRU 15075943 F150 SERIAL F15000530 THRU F15001143 A150 SERIAL A1500001 THRU A1500541 FA150 SERIAL FA1500001 THRU FA1500261 C---150 SERIAL 15075944 & ON F150 SERIAL F15001144 & ON A150 SERIAL A1500542 & ON FA150 SERIAL FA1500262 & ON		

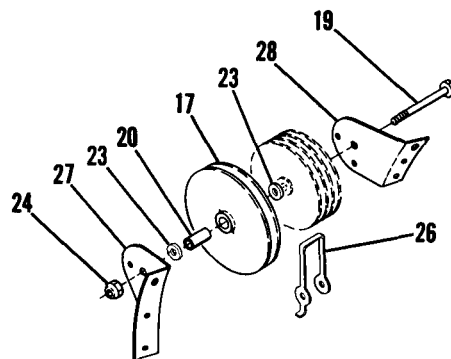
Flight Control (Cont)



Detail A



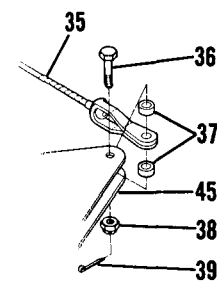
Detail B



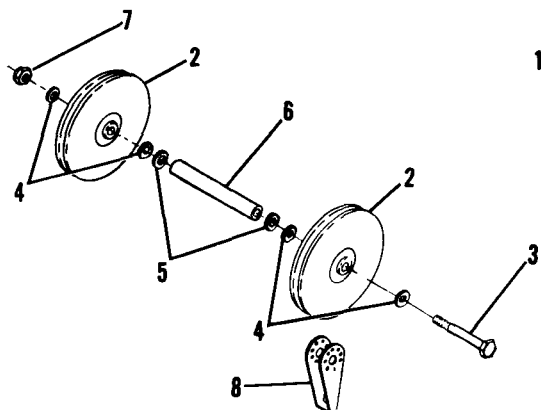
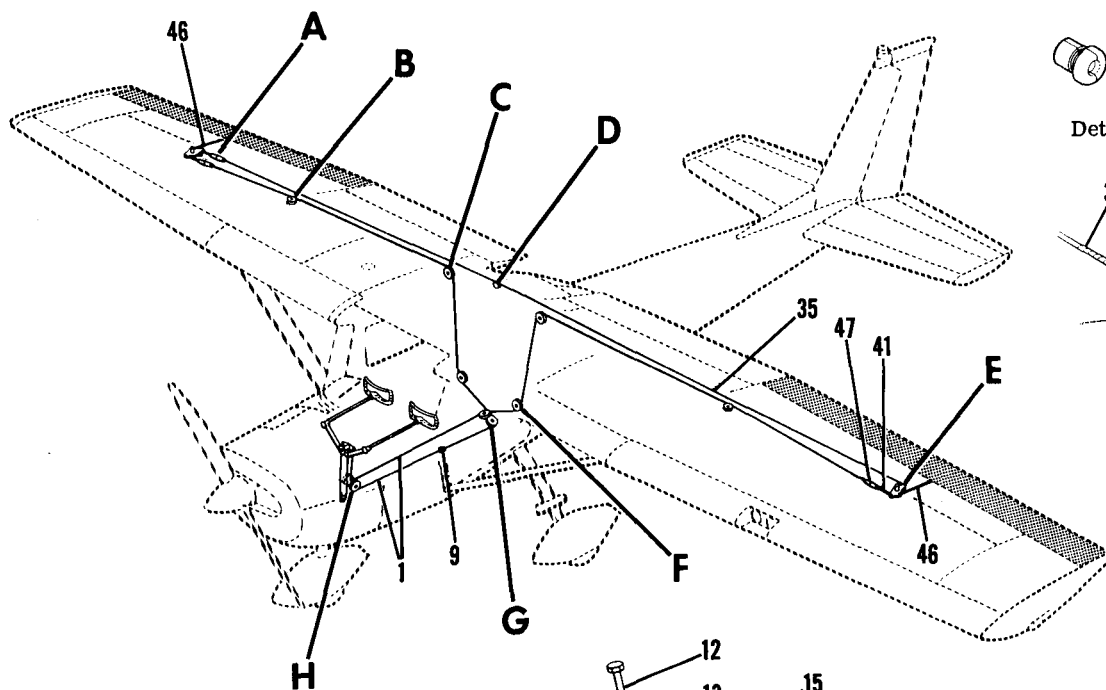
Detail C



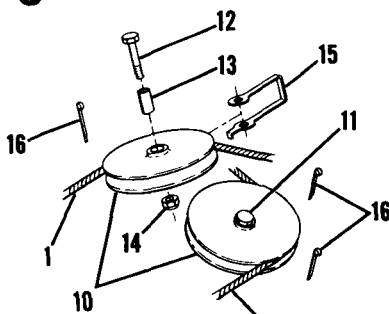
Detail D



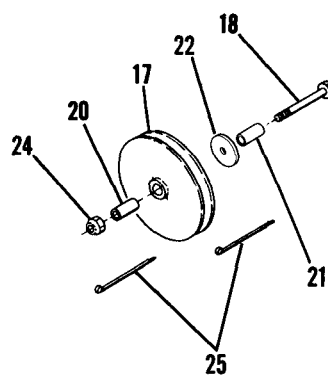
Detail E



Detail H



Detail G



Detail F

Figure 66. Aileron Control System Installation



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
66 -		AILERON CONTROL SYSTEM INSTALLATION -----	NP	
- 1	0400107-41	CABLE ASSEMBLY-AILERON CONTROL -----	2	
	0400107-141	CABLE ASSEMBLY-STAINLESS STEEL AILERON CONTROL -----	2	
		ATTACHING PARTS		
	AN23-10	BOLT-CLEVIS ATTACH TO CONTROL Y -----	1	
	AN310-3	NUT ATTACH TO CONTROL Y -----	1	
	MS24665-132	PIN-COTTER ATTACH TO CONTROL Y -----	1	
		---*---		
- 2	S378-4	PULLEY -----	2	
		ATTACHING PARTS		
- 3	AN4-43A	BOLT -----	1	
- 4	AN960-416L	WASHER -----	4	
- 5	AN960-416	WASHER -----	2	
- 6	NAS43DD4-152	SPACER -----	1	
- 7	MS21042L4	NUT -----	1	
		---*---		
- 8	0411421-6	GUARD -----	2	
- 9	S338-1	FAIRLEAD HALF -----	2	
		ATTACHING PARTS		
	S339-1	CLIP -----	1	
		---*---		
-10	MS20220-2	PULLEY -----	2	
		ATTACHING PARTS		
-11	AN3-10A	BOLT -----	1	
-12	AN3-11A	BOLT -----	1	
-13	0460109-1	BUSHING -----	1	
-14	MS21044N3	NUT -----	1	
		---*---		
-15	0460108-1	GUARD -----	1	
-16	MS24665-136	PIN-COTTER -----	3	
-17	MS20220-2	PULLEY -----	4	
		ATTACHING PARTS		
-18	AN3-16A	BOLT -----	1	
-19	AN3-17A	BOLT -----	1	
-20	0460109-1	BUSHING -----	1	
-21	NAS43HT3-44	SPACER -----	1	
-22	AN970-3	WASHER -----	1	
-23	AN960-10	WASHER -----	2	
-24	MS21044N3	NUT -----	1	
		---*---		
-25	MS24665-143	PIN-COTTER -----	4	
-26	0460108-1	GUARD -----	4	
-27	0412044-2	BRACKET-PULLEY RH FWD -----	1	
	0412044-1	BRACKET-PULLEY LH FWD -----	1	
-28	0412044-4	BRACKET-PULLEY RH AFT -----	1	
	0412044-3	BRACKET-PULLEY LH AFT -----	1	
-29	S378-3	PULLEY -----	2	
		ATTACHING PARTS		
-30	AN4-10A	BOLT -----	1	
-31	AN960-10L	WASHER -----	1	
-32	MS21042L4	NUT -----	1	
		---*---		
-33	MS24665-132	PIN-COTTER -----	2	
-34	0423016-1	GUARD-PULLEY -----	1	
-35	0400107-21	CABLE-AILERON CONTROL -----	1	
	0400107-121	CABLE-STAINLESS STEEL AILERON CONTROL -----	1	
		ATTACHING PARTS		
-36	AN3-7A	BOLT -----	1	A
	AN3-7	BOLT -----	1	B
-37	NAS43HT4-9	SPACER -----	2	
-38	MS21044N3	NUT -----	1	A
	AN310-3	NUT -----	1	B
-39	MS24665-134	PIN-COTTER -----	1	B
		---*---		
-40	AN155-32L	BARREL-TURNBUCKLE -----	2	

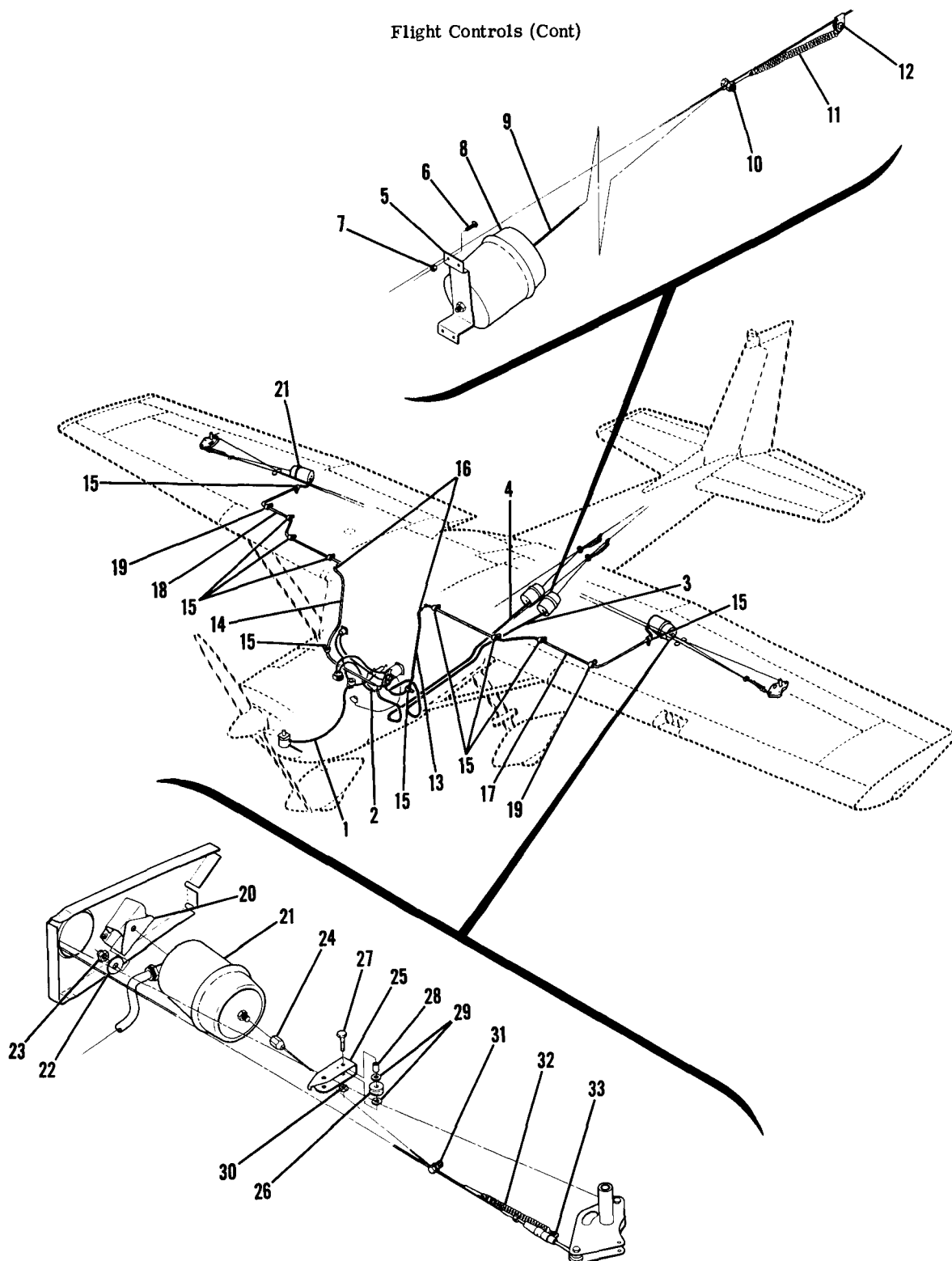
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FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
66 -41	AN161-32LL	FORK ----- ATTACHING PARTS -----	3	
-42	AN3-7A	BOLT -----	1	A
	AN3-7	BOLT -----	1	B
-43	MS21044N3	NUT -----	1	A
	AN310-3	NUT -----	1	B
-44	MS24665-134	PIN-COTTER ----- -----*	1	B
-45	SEE FIG 15	BELLCRANK ASSY-AILERON -----	2	
-46	SEE FIG 15	ROD ASSY-AILERON -----	2	
-47	AN155-32S	BARREL-TURNBUCKLE -----	1	
-48	S338-1	FAIRLEAD HALF ----- ATTACHING PARTS -----	2	
	S339-1	CLIP ----- -----*	1	
		A---150 SERIAL 15071129 THRU 15075943 F150 SERIAL F15000530 THRU F15001143 A150 SERIAL A1500001 THRU A1500541 FA150 SERIAL FA1500001 THRU FA1500261 B---150 SERIAL 15075944 & ON F150 SERIAL F15001144 & ON A150 SERIAL A1500542 & ON FA150 SERIAL FA1500262 & ON		



Flight Controls (Cont)

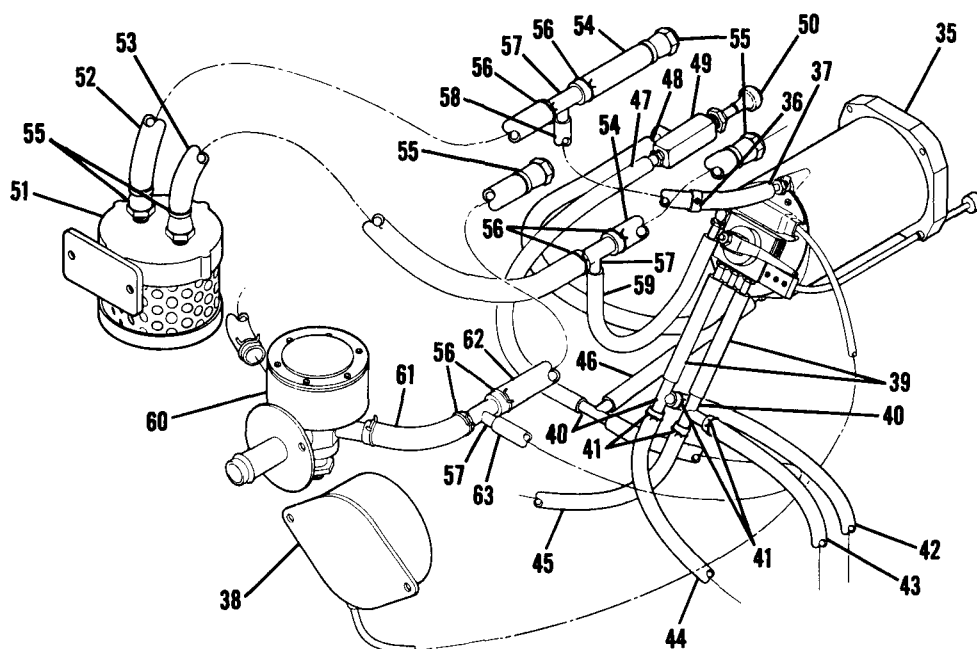
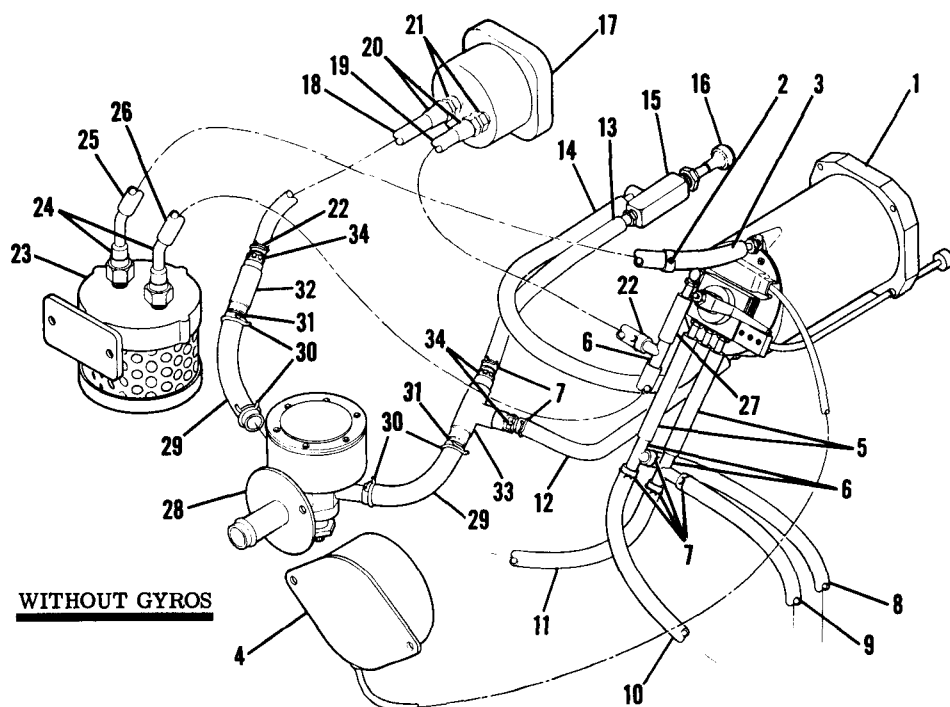


150 SERIAL 15071129 THRU 15074850
 F150 SERIAL F15000530 THRU F15001013
 A150 SERIAL A1500001 THRU A1500429
 FA150 SERIAL FA1500001 THRU FA1500211

Figure 67. Wing Leveler Installation

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
67 -		WING LEVELER INSTALLATION -----	NP	A
- 1	SEE FIG 79	VACUUM SYSTEM -----	1	
- 2	SEE FIG 68	WING LEVELER COMPONENTS -----	1	
- 3	S1071R3	TUBE-RED * IN LG BULK ITEM REF S1071R3-* -----	1	
- 4	S1071G3	TUBE-GREEN * IN LG BULK ITEM REF S1071R3-* -----	1	
- 5	0412071-2	BRACKET-RH -----	1	
	0412071-1	BRACKET-LH -----	1	
		ATTACHING PARTS		
- 6	AN515-8R8	SCREW -----	4	
- 7	MS21044N08	NUT -----	4	
		-----*		
- 8	1005-0-1	SERVO ASSEMBLY-RUDDER BTID -----	2	
		ATTACHING PARTS		
	AN970-5	WASHER -----	1	
	MS21042L5	NUT -----	1	
		-----*		
- 9	0422358-1	CABLE ASSEMBLY-RUDDER SERVO -----	2	
-10	S8S	CONNECTOR PEUN -----	2	
	SEL8S	CONNECTOR PEUN ALTERNATE -----	2	
-11	0413416-4	SPRING -----	2	
-12	AN742D2	CLAMP -----	2	
		ATTACHING PARTS		
	AN525-10R6	SCREW -----	1	
	MS21044N3	NUT -----	1	
		-----*		
-13	S1071R3	TUBE-RED * IN LG BULK ITEM REF S1071R3-* -----	1	
-14	S1071G3	TUBE-GREEN * IN LG BULK ITEM REF S1071G3-* -----	1	
-15	S1592-2A	CLAMP -----	10	
		ATTACHING PARTS		
	S102126-8	SCREW -----	1	
		-----*		
-16	S1794-1	FITTING -----	2	
	S1494-6	CLAMP -----	4	
-17	S1071R3	TUBE-RED * IN LG BULK ITEM REF S1071R3-* -----	1	
-18	S1071G3	TUBE-GREEN * IN LG BULK ITEM REF S1071G3-* -----	1	
-19	49165-22	HARNES BAND UC -----	2	
		ATTACHING PARTS		
	S102126-8	SCREW -----	1	
		-----*		
-20	0422356-1	MOUNTING BRACKET ASSEMBLY-SERVO LH -----	1	
	0422356-2	MOUNTING BRACKET ASSEMBLY-SERVO RH -----	1	
		ATTACHING PARTS		
	AN515-8R8	SCREW -----	3	
		-----*		
	NAS69808	NUTPLATE -----	3	
-21	1005-1-0	SERVO ASSEMBLY-AILERON BTID -----	2	
		ATTACHING PARTS		
-22	AN970-5	WASHER -----	1	
-23	MS21042L5	NUT -----	1	
		-----*		
-24	0422358-1	CABLE ASSEMBLY-AILERON SERVO -----	2	
-25	0422357-1	BRACKET-PULLEY -----	2	
-26	S1710-1	PULLEY -----	2	
		ATTACHING PARTS		
-27	AN3-10A	BOLT -----	1	
-28	0411783-1	BUSHING -----	1	
-29	AN960-10	WASHER -----	2	
-30	MS21044N3	NUT -----	1	
		-----*		
-31	S8S	CONNECTOR PEUN -----	2	
	SEL8S	CONNECTOR PEUN ALTERNATE -----	2	
-32	0413416-4	SPRING -----	2	
-33	AN742D6	CLAMP -----	2	
		ATTACHING PARTS		
	AN515-8R6	SCREW -----	1	
	MS21044N08	NUT -----	1	
		-----*		
NOTE. *LENGTH TO BE DETERMINED LATER				
A---150 SERIAL 15071129 THRU 15074850				
F150 SERIAL F15000530 THRU F15001013				
A150 SERIAL A1500001 THRU A1500429				
FA150 SERIAL FA1500001 THRU FA1500211				

Flight Controls (Cont)

USED WITH GYROSWITHOUT GYROS

150 SERIAL 15071129 THRU 15074850
 F150 SERIAL F15000530 THRU F15001013
 A150 SERIAL A1500001 THRU A1500429
 FA150 SERIAL FA1500001 THRU FA1500211

Figure 68. Wing Leveler Components



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
68 -		WING LEVELER COMPONENTS USED WITHOUT GYROS -----	NP	C
- 1	2904-1	INDICATOR-TURN COORDINATOR BTID WEU C661003-0601 -----	1	A
	C661003-0601	INDICATOR-TURN COORDINATOR -----	1	B
		ATTACHING PARTS		
	AN515B6R12	SCREW -----	3	
	AN936A6B	WASHER -----	3	
	AN340B6	NUT -----	3	
		-----*		
- 2		VALVE-RESTRICTOR -----	NP	
- 3	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
- 4		INVERTER -----	NP	
		ATTACHING PARTS		
	AN515-8R8	SCREW -----	2	
	MS21044N08	NUT -----	2	
		-----*		
- 5	S1800-1	TUBE-3.00 IN LG BULK ITEM REF S1800-1-3.00 -----	2	
- 6	S1793-1	TEE -----	3	
- 7	S1494-6	CLAMP -----	6	
- 8	S1071R3	TUBE-RED * IN LG BULK ITEM REF S1071R3-* -----	1	
- 9	S1071G3	TUBE-GREEN * IN LG BULK ITEM REF S1071G3-* -----	1	
-10	S1071R3	TUBE-RED * IN LG BULK ITEM REF S1071R3-* -----	1	
-11	S1071G3	TUBE-GREEN * IN LG BULK ITEM REF S1071G3-* -----	1	
-12	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-13	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-14	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-15	S1791-1	VALVE-WING LEVELER -----	1	
		ATTACHING PARTS		
	AN960-616	WASHER -----	1	
	0713026-6	NUT -----	1	
		-----*		
-16	S1981-1	KNOB -----	1	
-17	SEE FIG 47	GAGE-SUCTION -----	1	
-18	S1495-4	HOSE-* IN LG BULK ITEM REF S1499-4J-* -----	1	
-19	S1495-4	HOSE-* IN LG BULK ITEM REF S1499-4J-* -----	1	
-20	S1497-4	FITTING-SOCKETLESS -----	2	
-21	AN816-4D	NIPPLE -----	2	
-22	S1494-7	CLAMP -----	2	
-23	SEE FIG 79	FILTER ASSEMBLY-AIR -----	1	
-24	1713039-1	FITTING -----	2	
-25	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-26	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-27	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-28	C482001-0301	VALVE-RELIEF -----	1	
-29	S1495-6	HOSE-4.00 IN LG BULK ITEM REF S1495-6-4.00 -----	2	
-30	S1494-9	CLAMP -----	4	
-31	S1828-4	ADAPTER -----	2	
-32	S1803-2	COUPLING -----	1	
-33	S1826-2	TEE -----	1	
-34	S1805-1	REDUCER -----	3	
	S1828-3	ADAPTER -----	3	
		WING LEVELER COMPONENTS USED WITH GYROS -----	NP	
-35	2904-1	INDICATOR-TURN COORDINATOR BTID WEU C661003-0601 -----	1	A
	C661003-0601	INDICATOR-TURN COORDINATOR -----	1	B
		ATTACHING PARTS		
	AN515B6R12	SCREW -----	3	
	AN936A6B	WASHER -----	3	
	AN340B6	NUT -----	3	
		-----*		
-36		VALVE-RESTRICTOR -----	NP	
-37	S1800-1	TUBE-* IN LG BULK ITEM REF S1800-1-* -----	1	
-38		INVERTER -----	NP	
		ATTACHING PARTS		
	AN515-8R8	SCREW -----	2	
	MS21044N08	NUT -----	2	
		-----*		
-39	S1800-1	TUBE-3.00 IN LG BULK ITEM REF S1800-1-3.00 -----	2	
-40	S1793-1	TEE -----	3	
-41	S1494-6	CLAMP -----	4	
		CONTINUED ON NEXT PAGE		

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
68 -42	S1071R3	TUBE-RED	* IN LG	BULK ITEM	REF S1071R3-*	-----			1	
-43	S1071G3	TUBE-GREEN	* IN LG	BULK ITEM	REF S1071G3-*	-----			1	
-44	S1071R3	TUBE-RED	* IN LG	BULK ITEM	REF S1071R3-*	-----			1	
-45	S1071G3	TUBE-GREEN	* IN LG	BULK ITEM	REF S1071G3-*	-----			1	
-46	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
-47	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
-48	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
-49	S1791-1	VALVE-WING LEVELER	-----						1	
		ATTACHING PARTS								
	AN960-616	WASHER	-----						1	
	0713026-6	NUT	-----						1	

-50	S1981-1	KNOB	-----						1	
-51	SEE FIG 79	FILTER ASSEMBLY-AIR	-----						1	
-52	S1495-6	HOSE-* IN LG		BULK ITEM	REF 0413453-2	-----			1	
		AIR FILTER TO HORIZON GYRO								
-53	S1495-6	HOSE-* IN LG		BULK ITEM	REF 0413453-3	-----			1	
		AIR FILTER TO DIRECTIONAL GYRO								
-54	S1495-6	HOSE-3.25 IN LG		BULK ITEM	REF S1499-6L-3.25	-----			2	
-55	S1497-6	FITTING-SOCKETLESS	-----						5	
-56	S1494-9	CLAMP	-----						7	
-57	S1793-2	TEE	-----						3	
-58	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
-59	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
-60	SEE FIG 79	VALVE-RELIEF	-----						1	
-61	S1495-6	HOSE-* IN LG		BULK ITEM	REF S1495-6-*	-----			1	
-62	S1495-6	HOSE-* IN LG		BULK ITEM	REF 0413453-4	-----			1	
		RELIEF VALVE TO DIRECTIONAL GYRO								
-63	S1800-1	TUBE-* IN LG		BULK ITEM	REF S1800-1-*	-----			1	
NOTE. *LENGTH TO BE DETERMINED LATER										
NOTE. *INVERTER, RESTRICTOR VALVE & TURN COORDINATOR MUST BE ORDERED AS A MATCHED SET.										
A---150 SERIAL 15071129 THRU 15072628										
F150 SERIAL F15000530 THRU F15000833										
A150 SERIAL A1500001 THRU A1500276										
FA150 SERIAL FA1500001 THRU FA1500166										
B---150 SERIAL 15072629 & ON										
F150 SERIAL F1500834 & ON										
A150 SERIAL A1500277 & ON										
FA150 SERIAL FA1500167 & ON										
C---150 SERIAL 15071129 THRU 15074850										
F150 SERIAL F15000530 THRU F15001013										
A150 SERIAL A1500001 THRU A1500429										
F150 SERIAL FA1500001 THRU FA1500211										

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
69 -		FLAP SYSTEM INSTALLATION-ELECTRIC -----	NP	
- 1	0400107-45	CABLE-FLAP -----	2	
	0400107-145	CABLE-FLAP STAINLESS STEEL -----	2	
- 2	0400107-46	CABLE-FLAP -----	2	
	0400107-146	CABLE-FLAP STAINLESS STEEL -----	2	
		ATTACHING PARTS		
- 3	MS20392-109	PIN -----	2	
	MS24665-134	PIN-COTTER -----	2	
- 4	AN155-16S	BARREL -----	1	
		-----*		
- 5	S378-2	PULLEY -----	2	
		ATTACHING PARTS		
- 6	AN3-7A	BOLT -----	1	
- 7	MS21044N3	NUT -----	1	
- 8	AN960-10	WASHER -----	1	
		-----*		
- 9	MS24665-132	PIN-COTTER CABLE GUARD -----	2	
-10	S378-2	PULLEY -----	4	
		ATTACHING PARTS		
-11	AN3-17A	BOLT -----	1	
-12	MS21044N3	NUT -----	1	
-13	0760610-6	GUARD RH -----	1	
	0760610-5	GUARD LH -----	1	
-14	MS20220-2	PULLEY USED ON AILERON SYSTEM -----	1	
-15	0460108-1	GUARD USED ON AILERON PULLEY -----	2	
	0460109-1	BUSHING USED WITH AILERON PULLEY -----	1	
-16	AN960-10	WASHER -----	2	
		-----*		
-17	0412044-2	BRACKET-PULLEY RH FWD -----	1	
	0412044-1	BRACKET-PULLEY LH FWD -----	1	
-18	0412044-4	BRACKET-PULLEY RH AFT -----	1	
	0412044-3	BRACKET-PULLEY LH AFT -----	1	
-19	S378-3	PULLEY -----	2	C
		ATTACHING PARTS		
-20	AN4-10A	BOLT -----	1	C
-21	MS21042L4	NUT -----	1	C
		-----*		
-22	S378-2	PULLEY -----	2	C
-22A	S378-2	PULLEY -----	4	D
		ATTACHING PARTS		
-23	AN3-6A	BOLT -----	1	
-24	MS21044N3	NUT -----	1	
		-----*		
-25	MS24665-132	PIN-COTTER CABLE GUARD -----	4	
-26	0760612-1	DRIVE PULLEY ASSEMBLY-RH -----	1	
-27	0760612-7	DRIVE PULLEY ASSEMBLY-LH -----	1	
		ATTACHING PARTS		
-28	AN4-60A	BOLT -----	1	
	0523536	BUSHING -----	1	
	0522629-1	WASHER -----	2	
	AN960D416	WASHER -----	2	
-29	MS21042L4	NUT -----	1	
		-----*		
	8610	BEARING TOR -----	1	

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Flight Controls (Cont)

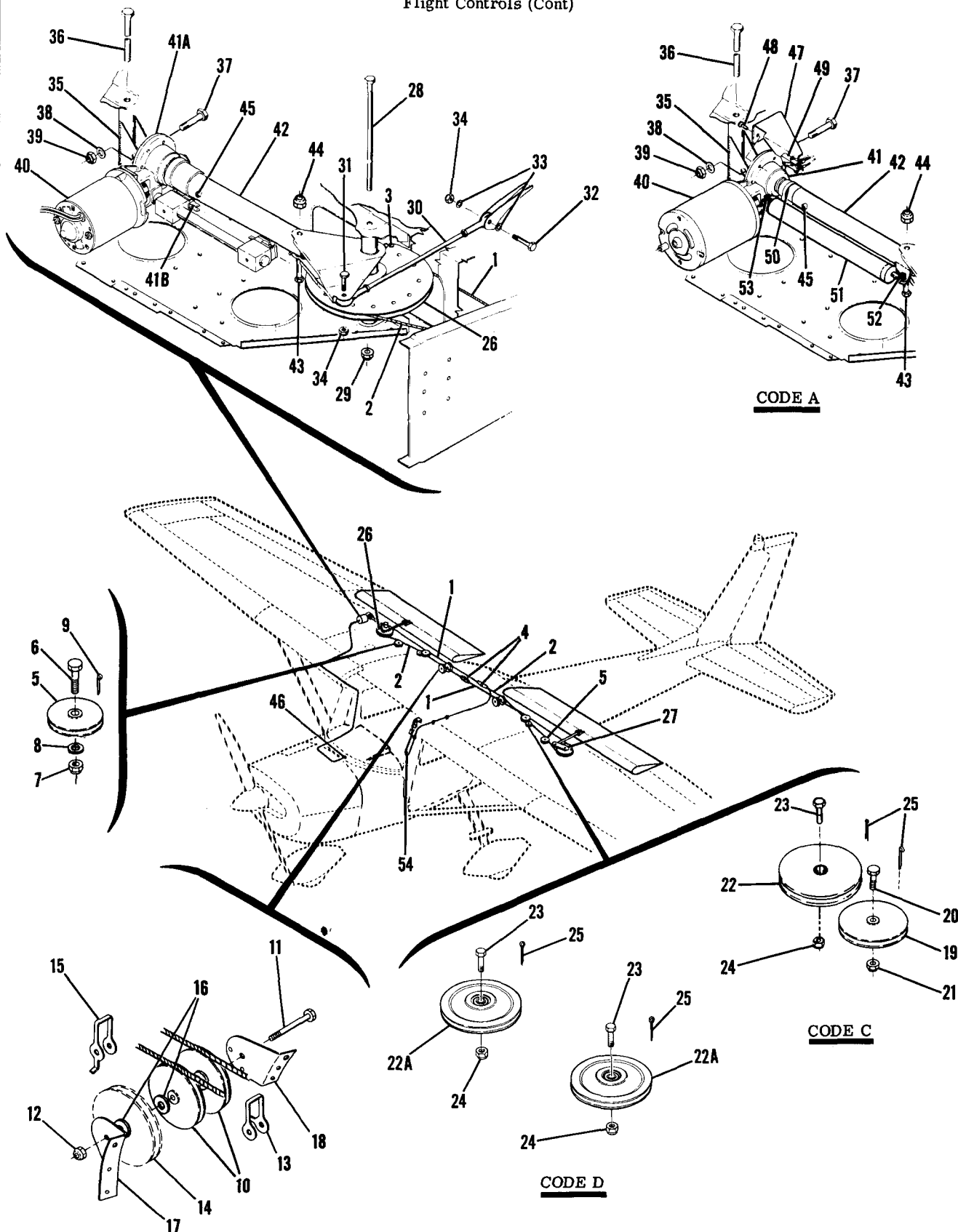


Figure 69. Electric Flap System Installation

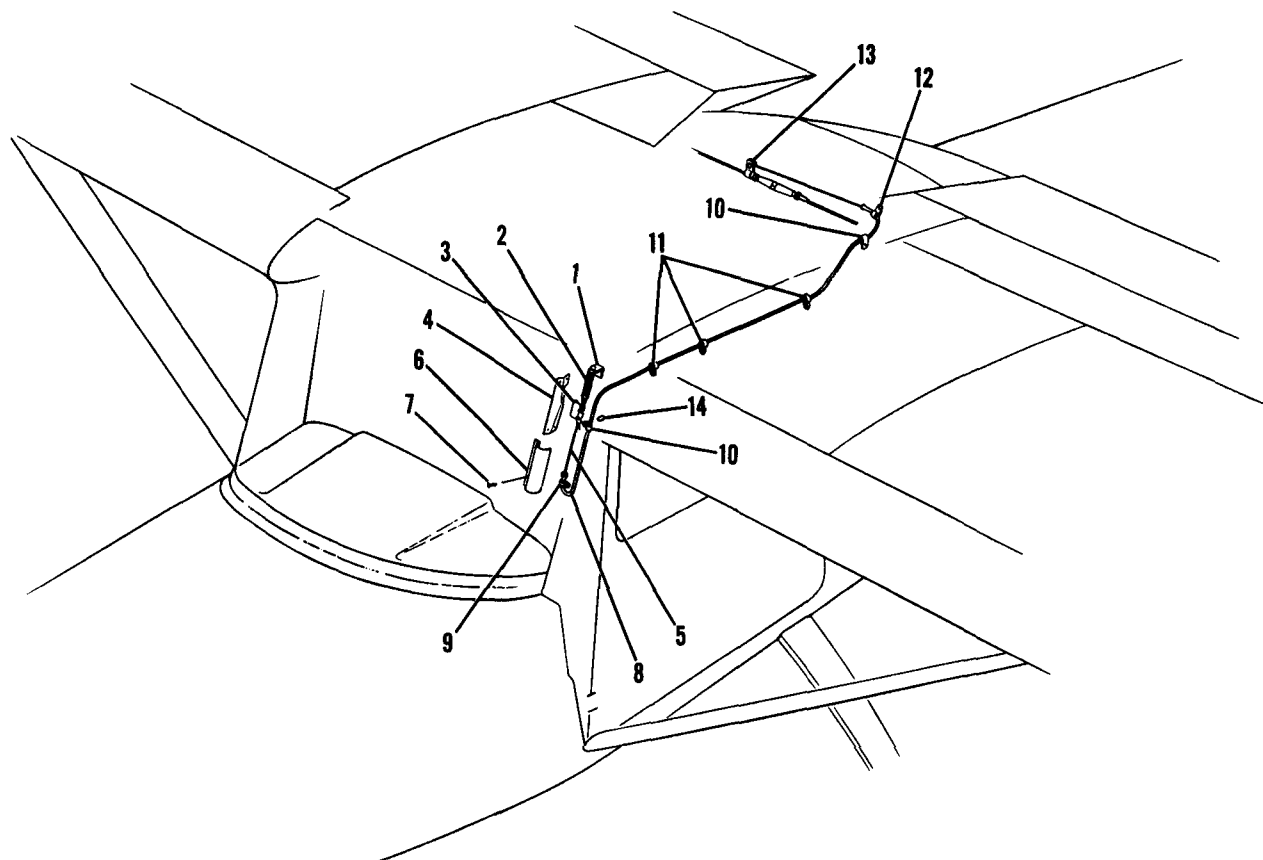
FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
69 -30	0523537	ROD ASSEMBLY -----	2	
		ATTACHING PARTS -----		
-31	AN3-7A	BOLT ATTACH BELLCRANK END -----	1	
-32	AN3-11A	BOLT ATTACH TO FLAP END -----	1	
-33	AN960-10	WASHER ATTACH AT FLAP END -----	5	
-34	MS21044N3	NUT -----	1	
		-----*		
-35	0760619-1	HINGE ASSEMBLY-FLAP MOTOR -----	1	
		ATTACHING PARTS -----		
-36	AN4-56A	BOLT -----	1	
	0523536	BUSHING -----	1	
	MS21042L4	NUT -----	1	
		-----*		
	B610	BEARING TOR -----	1	
		ACTUATOR & MOTOR ASSEMBLY FSD C301002-0301 & SK150-41 -----	1	A
	C301002-0301	ACTUATOR & MOTOR ASSEMBLY -----	1	B
		ATTACHING PARTS -----		
-37	AN6-15A	BOLT -----	1	
-38	AN960-616	WASHER -----	1	
-39	MS21042L6	NUT -----	1	
		-----*		
-40	C301002-0103	MOTOR-FLAP ACTUATOR -----	1	
-41		ACTUATOR ASSEMBLY-FLAP FSD C301002-0301 & SK150-41 -----	1	A
-41A	C301002-0308	ACTUATOR & SWITCH BAR ASSY -----	1	B
-41B	S1906-2	SWITCH-FLAP LIMIT -----	2	B
		ATTACHING PARTS -----		
	AN515-4-9	SCREW -----	2	B
	AN936A4	NUT -----	2	B
		-----*		
	C301001-0211	COUPLING -----	1	
-42	0409007-4	TUBE ASSEMBLY-FLAP -----	1	A
-42A	0760620-1	TUBE ASSEMBLY-FLAP FSD 0760620-9 -----	NP	E
	0760620-9	TUBE ASSEMBLY-FLAP -----	1	G
		ATTACHING PARTS -----		
-43	AN4-15A	BOLT -----	1	
	0760614-1	BUSHING -----	1	
-44	MS21042L5	NUT -----	1	
		-----*		
	S1003-66A	BEARING -----	1	
-45	AN565D8H3	SET SCREW -----	1	F
	AN565B428H4	SET SCREW -----	1	G
-46	S1661-2	SWITCH-FLAP CONTROL -----	1	
-47	0420019-1	SUPPORT-FLAP LIMIT SWITCH -----	1	A
		ATTACHING PARTS -----		
-48	AN507-1032R12	SCREW -----	2	A
	AN936B10	WASHER -----	2	A
		-----*		
-49	S1906-1	SWITCH-FLAP LIMIT CRYE -----	1	A
		ATTACHING PARTS -----		
	AN515-4R12	SCREW -----	2	A
	NAS620-4	WASHER -----	2	A
	AN340-4	NUT -----	2	A
		-----*		
-50	S1601-16	CLAMP -----	1	A
		ATTACHING PARTS -----		
	AN520-10R24	SCREW -----	1	A
	AN960-10	WASHER -----	1	A
	MS21044N3	NUT -----	1	A
		-----*		
-51	10650	CYLINDER -----	1	A
		ATTACHING PARTS -----		
-52	NAS221-10	SCREW -----	1	A
	AN960-10L	WASHER -----	1	A
	MS21044N3	NUT -----	1	A
-53	NAS221-14	SCREW -----	1	A
	AN960-10	WASHER -----	1	A
	MS21044N3	NUT -----	1	A
	NAS43HT3-4	SPACER BETWEEN CYLINDER & BRACKET -----	1	A
	0409007-2	BRACKET -----	1	A
		-----*		

CONTINUED ON NEXT PAGE

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
69 -54	SEE FIG 70 SEE FIG 70A	1 2 3 4 5 6 7 FLAP POSITION INDICATOR INSTALLATION ----- FLAP POSITION INDICATOR INSTALLATION -----	1 1	H J
		NOTE. *WHEN ORDERING THIS PART ALSO ORDER ONE AN565B428H4 SET SCREW. A---150 SERIAL 15071129 THRU 15072629 F150 SERIAL F15000530 THRU F15000738 A150 SERIAL A1500001 THRU A1500277 FA150 SERIAL FA1500001 THRU FA1500132 B---150 SERIAL 15072630 & ON F150 SERIAL F15000739 & ON A150 SERIAL A1500278 & ON FA150 SERIAL FA1500133 & ON C---150 SERIAL 15071129 THRU 15074399 F150 SERIAL F15000530 THRU F15000943 A150 SERIAL A1500001 THRU A1500387 FA150 SERIAL FA1500001 THRU FA1500211 D---150 SERIAL 15074400 & ON F150 SERIAL F15000944 & ON A150 SERIAL A1500388 & ON FA150 SERIAL FA1500212 & ON E---150 SERIAL 15072630 THRU 15075326 F150 SERIAL F15000739 THRU F15001073 A150 SERIAL A1500278 THRU A1500464 FA150 SERIAL FA1500133 THRU FA1500236 F---150 SERIAL 15071129 THRU 15075326 F150 SERIAL F15000530 THRU F15001073 A150 SERIAL A1500001 THRU A1500464 FA150 SERIAL FA1500001 THRU FA1500236 G---150 SERIAL 15075327 & ON F150 SERIAL F15001074 & ON A150 SERIAL A1500465 & ON FA150 SERIAL FA1500237 & ON H---150 SERIAL 15071129 THRU 15078505 F150 SERIAL F15000530 THRU F15001338 A150 SERIAL A1500001 THRU A1500684 FA150 SERIAL FA1500001 THRU FA1500311 J---150 SERIAL 15078506 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500685 & ON FA150 SERIAL FA1500312 & ON		



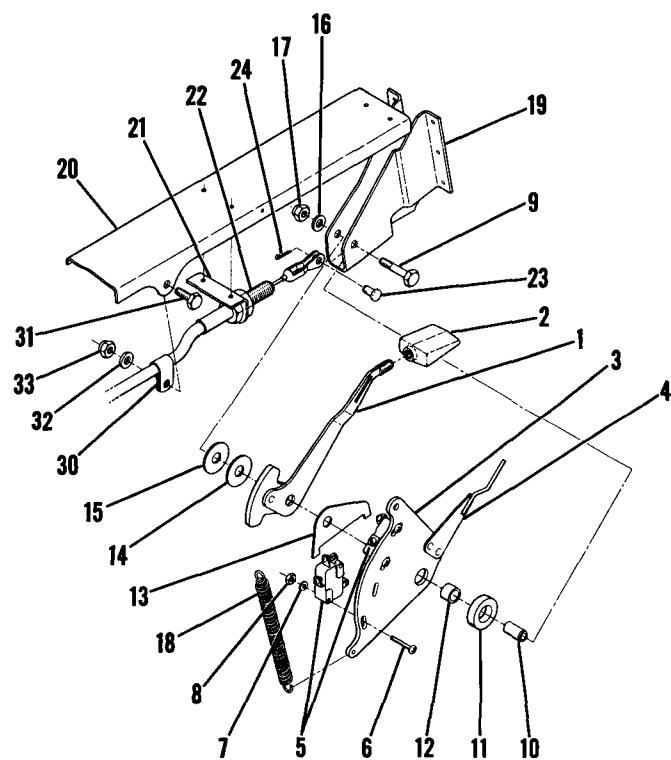
Flight Controls (Cont)



150 SERIAL 15071129 THRU 15078505
 F150 SERIAL F15000530 THRU F15001338
 A150 SERIAL A1500001 THRU A1500684
 FA150 SERIAL FA1500001 THRU FA1500311

Figure 70. Flap Position Indicator Installation

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
70 -		FLAP POSITION INDICATOR INSTALLATION -----	NP	D
- 1	0413447-2	CLAMP SUPPORT -----	1	
		ATTACHING PARTS -----		
	S102126-6	SCREW -----	1	
		-----*		
- 2	0413416-4	SPRING -----	1	
- 3	0413446-1	MARKER-FLAP POSITION -----	1	
- 4	0413445-1	SUPPORT-FLAP INDICATOR -----	1	
		ATTACHING PARTS -----		
	S102226-8C	SCREW -----	2	
		-----*		
- 5	0413416-6	WIRE -----	1	
- 6	0413449-1	TRIM -----	1	
		ATTACHING PARTS -----		
- 7	S102126-6	SCREW -----	2	
		-----*		
- 8	0413416-8	TUBE -----	1	
		ATTACHING PARTS -----		
- 9	AN742D3	CLAMP -----	1	
	NAS430D1-10	SPACER -----	1	
	S102126-10	SCREW -----	1	
-10	AN742D3	CLAMP -----	5	
	S102126-6	SCREW -----	5	
-11	AN742D3	CLAMP -----	3	
	S102126-6	SCREW -----	3	
	AN520-10R20	SCREW -----	3	A
	NAS43HT3-44	SPACER -----	3	B
	22NM-02	NUT EN -----	3	B
-12	AN742D3	CLAMP -----	1	
	AN515-8R10	SCREW -----	1	
	NAS430D3-16	SPACER -----	1	
	MS21044N08	NUT -----	1	
		-----*		
-13	AN742D3	CLAMP -----	1	
	AN515-8R8	SCREW -----	1	
	MS21044N08	NUT -----	1	
	SEE FIG 41	SHIELD ASSEMBLY-FLAP INDICATOR & DOORPOST -----	1	
-14	S1894-3	BULB-FLAP INDICATOR LIGHT -----	1	C
	25-207	SOCKET-INDICATOR LIGHT -----	1	C
NOTE. THIS PART NUMBER MUST HAVE A SECOND DASH NUMBER ADDED TO DENOTE COLOR. REFER TO HOW TO ORDER INTERIOR PARTS-PAGE VII. A---150 SERIAL 15071129 THRU 15078505 F150 SERIAL F15000530 THRU F15001338 B---A150 SERIAL A1500001 THRU A1500684 FA150 SERIAL FA1500001 THRU FA1500311 C---150 SERIAL 15072004 THRU 15078505 F150 SERIAL F15000659 THRU F15001338 A150 SERIAL A1500227 THRU A1500684 FA150 SERIAL FA1500082 THRU FA1500311 D---150 SERIAL 15071129 THRU 15078505 F150 SERIAL F15000530 THRU F15001338 A150 SERIAL A1500001 THRU A1500684 FA150 SERIAL FA1500001 THRU FA1500311				



This diagram shows an exploded view of a mechanical assembly. The components are labeled with numbers 38 through 55. The assembly includes a main body (38) with a central shaft (22) and a handle (54). A bracket (39) is attached to the top of the main body. A series of rollers or guides (40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 55) are shown along the bottom edge of the main body. A small plate (25) is attached to the right side of the main body. A screw (26) is shown passing through the plate. A pin (27) is shown passing through the main body. A pin (28) is shown passing through the main body. A pin (29) is shown passing through the main body. A pin (30) is shown passing through the main body. A pin (31) is shown passing through the main body. A pin (32) is shown passing through the main body. A pin (33) is shown passing through the main body. A pin (34) is shown passing through the main body. A pin (35) is shown passing through the main body. A pin (36) is shown passing through the main body. A pin (37) is shown passing through the main body. A pin (38) is shown passing through the main body. A pin (39) is shown passing through the main body. A pin (40) is shown passing through the main body. A pin (41) is shown passing through the main body. A pin (42) is shown passing through the main body. A pin (43) is shown passing through the main body. A pin (44) is shown passing through the main body. A pin (45) is shown passing through the main body. A pin (46) is shown passing through the main body. A pin (47) is shown passing through the main body. A pin (48) is shown passing through the main body. A pin (49) is shown passing through the main body. A pin (50) is shown passing through the main body. A pin (51) is shown passing through the main body. A pin (52) is shown passing through the main body. A pin (53) is shown passing through the main body. A pin (54) is shown passing through the main body. A pin (55) is shown passing through the main body.

150 SERIAL 15078506 & ON
F150 SERIAL F15001339 & ON
A150 SERIAL A1500685 & ON
FA150 SERIAL FA1500312 & ON

173A



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
70A-		FLAP POSITION INDICATOR INSTALLATION -----	NP	A
- 1	0460207-1	LEVER ASSY-FLAP -----	1	
- 2	S1771-3	KNOB-FLAP LEVER -----	1	
- 3	0460210-1	INDICATOR ASSY-FLAP -----	1	
- 4	0460210-3	INDICATOR-FLAP -----	1	
- 5	S1906-1	SWITCH-FLAP LIMIT -----	2	
		ATTACHING PARTS -----		
- 6	AN515-4R12	SCREW -----	2	
- 7	NAS620-4	WASHER -----	2	
	1670019-1	INSULATOR -----	1	
- 8	AN340-4	NUT -----	2	
		---*---		
- 9	AN3-10A	BOLT -----	1	
-10	NAS75-3-018	BUSHING -----	1	
-11	S1438-9	WASHER -----	1	
-12	1512280-24	BUSHING -----	1	
-13	0460206-1	SPACER -----	1	
-14	1512280-25	WASHER -----	1	
-15	1452533-2	WASHER -----	1	
-16	AN960-10	WASHER -----	1	
-17	MS21044N3	NUT -----	1	
-18	0460216-1	SPRING-FLAP INDICATOR -----	1	
-19	0460208-1	BRACKET-FLAP INDICATOR -----	1	
-20	0460209-1	BRACKET ASSY-FLAP CONTROL -----	1	
-21	0460209-3	BRACKET-FLAP CONTROL -----	1	
-22	9864050-8	CABLE ASSY-FLAP CONTROL -----	1	
		ATTACHING PARTS -----		
-23	MS20392-2C7	PIN -----	1	
-24	MS24665-134	PIN-COTTER -----	1	
-25	0470311-7	CLAMP -----	1	
-26	NAS43HT3-6	SPACER -----	1	
-27	AN960-10L	WASHER -----	1	
-28	AN960-10	WASHER -----	1	
-29	MS21044N3	NUT -----	1	
		---*---		
-30	AN742D5	CLAMP -----	1	
		ATTACHING PARTS -----		
-31	AN3-4A	BOLT -----	1	
-32	AN960-10	WASHER -----	1	
-33	MS21044N3	NUT -----	1	
		---*---		
-34	AN742D5	CLAMP -----	1	
		ATTACHING PARTS -----		
	AN515-6R8	SCREW -----	1	
	AN960-8	WASHER -----	1	
	MS21044N08	NUT -----	1	
		---*---		
-35	AN742D5	CLAMP -----	2	
		ATTACHING PARTS -----		
	AN520-10R8	SCREW -----	1	
	AN960-10	WASHER -----	1	
	MS21044N3	NUT -----	1	
		---*---		
-36	MS35489-14	GROMMET -----	1	
-37	AN742D5	CLAMP -----	1	
		ATTACHING PARTS -----		
	AN520-8R8	SCREW -----	1	
	AN960-8	WASHER -----	1	
	MS21044N08	NUT -----	1	
		---*---		
-38	AN742D5	CLAMP -----	1	
		ATTACHING PARTS -----		
-39	AN520-10R20	SCREW -----	1	
-40	NAS43DD3-48	SPACER -----	1	
-41	AN960-10	WASHER -----	1	
-42	MS21044N3	NUT -----	1	
		---*---		
CONTINUED ON NEXT PAGE				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
70A-43	0460217-1	BELLCRANK-FLAP INDICATOR ----- ATTACHING PARTS	1	
-44	AN3-3A	BOLT -----	1	
-45	AN960-10L	WASHER -----	1	
-46	NAS43HT3-6	SPACER -----	1	
-47	NAS428-3-7	BOLT -----	1	
-48	AN960-10L	WASHER -----	1	
-49	0460218-1	CLAMP-FLAP INDICATOR -----	1	
-50	MS21044N3	NUT -----	2	
-51	S1450-3-10-032	WASHER -----	2	
-52	NAS43HT3-12	SPACER -----	1	
-53	1512280-25	WASHER ----- -----*	1	
-54	SEE FIG 29	BRACKETS-FLAP INDICATOR -----	AR	
-55	SEE FIG 69	CABLE-FLAP -----	AR	
		A---150 SERIAL 15078506 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500685 & ON FA150 SERIAL FA1500312 & ON		



Flight Controls (Cont)

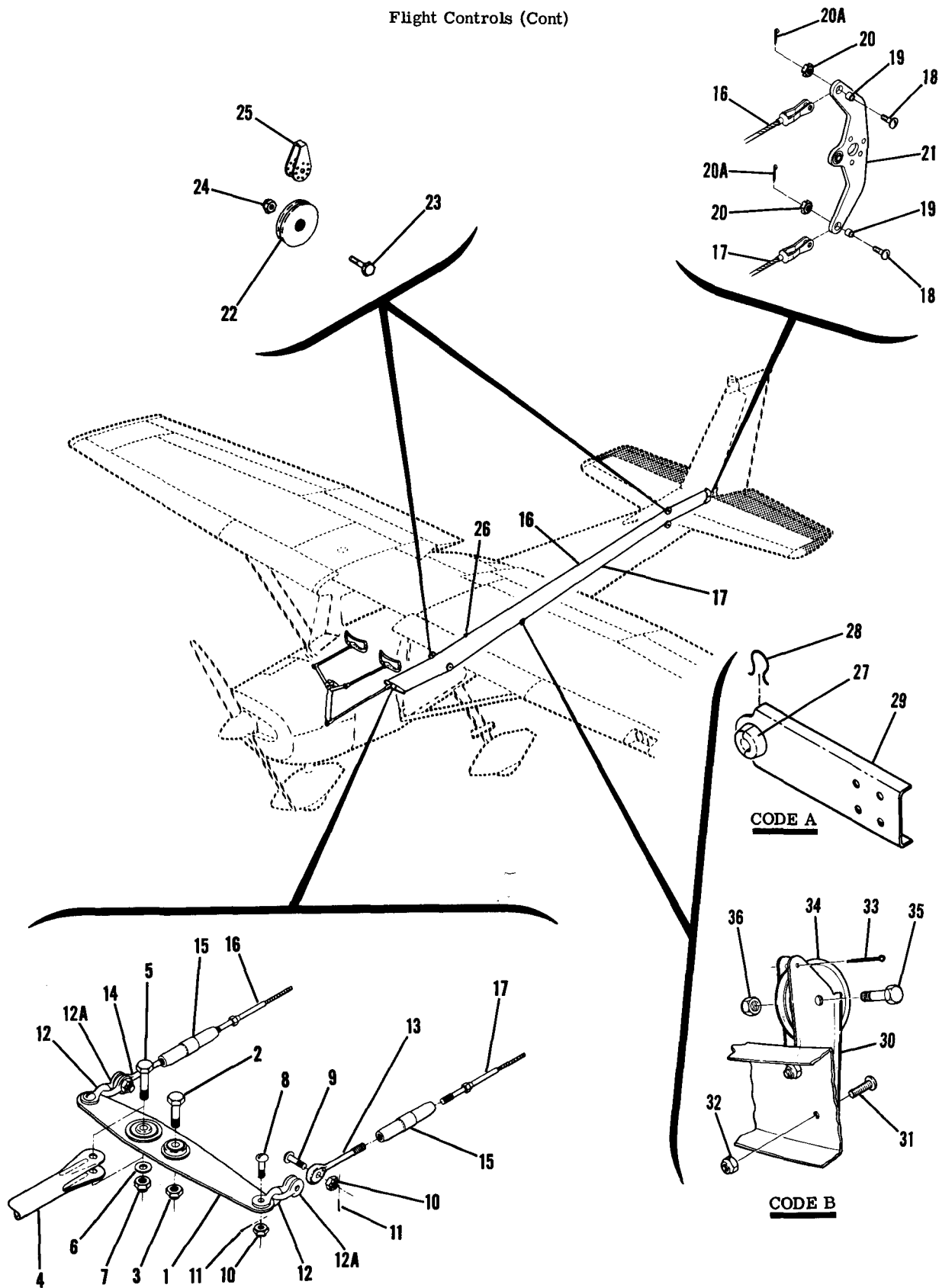


Figure 71. Elevator Control System Installation

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
71 -		ELEVATOR CONTROL SYSTEM INSTALLATION -----	NP	
- 1	0411258-1	BELLCRANK-ELEVATOR FORWARD -----	1	
		ATTACHING PARTS -----		
- 2	AN4-10A	BOLT -----	1	
- 3	MS21042L4	NUT -----	1	
		-----*		
- 4	0460116-3	TUBE-BELLCRANK TO CONTROL Y -----	1	
		ATTACHING PARTS -----		
- 5	AN4-11A	BOLT -----	1	
- 6	AN960-416	WASHER -----	1	
- 7	MS21042L4	NUT -----	1	
		-----*		
- 8	AN23-10	BOLT -----	2	
- 9	AN23-11	BOLT -----	2	
-10	AN310-3	NUT -----	4	
-11	MS24665-132	PIN-COTTER -----	4	
-12	AN115-21	SHACKLE -----	2	
-12A	0533010-1	SHACKLE -----	2	
-13	AN165-22RL	EYE-TURNBUCKLE LH -----	1	
-14	AN165-22RS	EYE-TURNBUCKLE RH -----	1	
-15	AN155-32S	BARREL-TURNBUCKLE -----	2	
-16	0400107-5	CABLE-ELEVATOR CONTROL UP -----	1	
	0400107-105	CABLE-ELEVATOR CONTROL UP STAINLESS STEEL -----	1	
-17	0400107-9	CABLE-ELEVATOR CONTROL DOWN -----	1	
	0400107-109	CABLE-ELEVATOR CONTROL DOWN STAINLESS STEEL -----	1	
		ATTACHING PARTS -----		
-18	AN3-5A	BOLT -----	1	C
	AN23-11	BOLT -----	1	D
-19	NAS43HT3-13	SPACER -----	1	
-20	MS21044N3	NUT -----	1	C
	AN320-3	NUT -----	1	D
-20A	MS24665-134	PIN-COTTER -----	1	D
		-----*		
-21	SEE FIG 20	BELLCRANK ASSEMBLY-ELEVATOR REAR -----	1	
-22	S378-3	PULLEY -----	4	
		ATTACHING PARTS -----		
-23	AN4-10A	BOLT -----	1	
-24	MS21042L4	NUT -----	1	
		-----*		
-25	0411421-2	GUARD -----	4	
-26	S338-1	FAIRLEAD-HALF -----	2	
		ATTACHING PARTS -----		
	S339-1	CLIP -----	1	
		-----*		
-27	S338-1	FAIRLEAD-HALF -----	2	A
-28	S339-1	CLIP -----	1	A
-29	0460201-1	RETAINER-CABLE GUIDE -----	1	A
-30	0460150-1	BRACKET -----	1	B
		ATTACHING PARTS -----		
-31	AN520-10R6	SCREW -----	2	B
-32	MS21044N3	NUT -----	2	B
		-----*		
-33	MS24665-134	PIN-COTTER -----	1	B
-34	S378-3	PULLEY -----	1	B
		ATTACHING PARTS -----		
-35	AN4-10A	BOLT -----	1	B
-36	MS21042L4	NUT -----	1	B
		-----*		
		A---150 SERIAL 15071129 THRU 15074661 F150 SERIAL F15000539 THRU F15001062 A150 SERIAL A1500001 THRU A1500415 F150 SERIAL F1500001 THRU FA1500235		
		B---150 SERIAL 15074662 & ON F150 SERIAL F15001063 & ON A150 SERIAL A1500416 & ON FA150 SERIAL FA1500236 & ON		
		C---150 SERIAL 15071129 THRU 15075943 F150 SERIAL F15000530 THRU F15001143 A150 SERIAL A1500001 THRU A1500541 FA150 SERIAL FA1500001 THRU FA1500261		
		D---150 SERIAL 15075944 & ON F150 SERIAL F1500144 & ON A150 SERIAL A1500542 & ON FA150 SERIAL FA1500262 & ON		

Flight Controls (Cont)

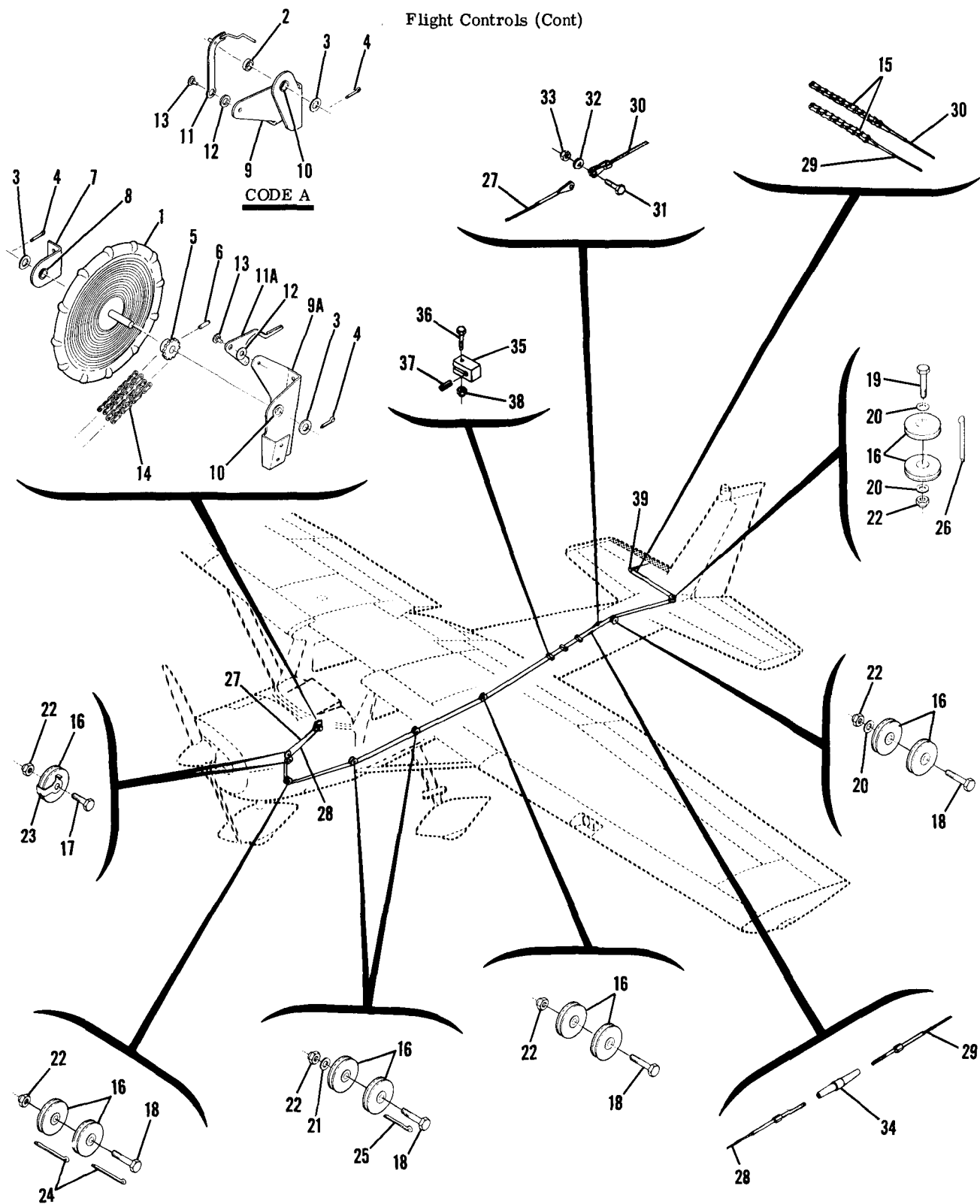


Figure 72. Elevator Trim Control System Installation



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
72 -		ELEVATOR TRIM CONTROL SYSTEM INSTALLATION -----	NP	
- 1	0460127-2	WHEEL ASSEMBLY-TAB CONTROL -----	1	
		ATTACHING PARTS -----		
- 2	NAS43DD4-4	SPACER -----	2	A
- 3	AN960-416L	WASHER -----	2	
- 4	MS24665-5	PIN-COTTER -----	2	
		-----*		
- 5	0432134-1	SPROCKET -----	1	
		ATTACHING PARTS -----		
- 6	NAS561P3-8	ROLL PIN -----	1	
		-----*		
- 7	0460132-1	BRACKET ASSEMBLY -----	1	
- 8	S1896-4L1	BEARING -----	1	
- 9	0460133-3	SUPPORT ASSEMBLY -----	1	A
- 9A	0460152-1	BRACKET ASSY -----	1	B
-10	S1896-4L1	BEARING -----	1	
-11	0460131	INDICATOR ARM ASSEMBLY -----	1	A
-11A	0460153-1	INDICATOR ARM ASSY -----	1	B
		ATTACHING PARTS -----		
-12	AN960D10L	WASHER -----	1	
-13	1460315-10	PIN -----	1	
		-----*		
-14	0432138-1	CHAIN-ELEVATOR TRIM -----	1	
	C4189	MASTER LINK-CHAIN -----	AR	
-15	0432138-8	CHAIN-ELEVATOR TRIM -----	1	
	C4189	MASTER LINK-CHAIN -----	AR	
-16	S378-1L	PULLEY -----	14	
		ATTACHING PARTS -----		
-17	AN3-5A	BOLT -----	1	
-18	AN3-10A	BOLT -----	1	
-19	AN3-11A	BOLT -----	1	
-20	AN960-10	WASHER -----	2	
-21	AN960-10L	WASHER -----	1	
-22	MS21044N3	NUT -----	1	
		-----*		
-23	0460124-1	GUARD-CABLE -----	2	
-24	MS24665-138	PIN-COTTER CABLE GUARD -----	2	
-25	MS24665-285	PIN-COTTER CABLE GUARD -----	2	
-26	MS24665-355	PIN-COTTER CABLE GUARD -----	1	
-27	0400107-56	CABLE-TAB WHEEL TO DISCONNECT -----	1	
	0400107-156	CABLE-TAB WHEEL TO DISCONNECT STAINLESS STEEL -----	1	
-28	0400107-55	CABLE-TAB WHEEL TO TURNBUCKLE -----	1	
	0400107-155	CABLE-TAB WHEEL TO TURNBUCKLE STAINLESS STEEL -----	1	
-29	0400107-30	CABLE-TAB ACTUATOR TO TURNBUCKLE -----	1	
	0400107-130	CABLE-TAB ACTUATOR TO TURNBUCKLE STAINLESS STEEL -----	1	
-30	0400107-28	CABLE-TAB ACTUATOR TO DISCONNECT -----	1	A
	0400107-57	CABLE-TAB ACTUATOR TO DISCONNECT -----	1	B
	0400107-128	CABLE-TAB ACTUATOR TO DISCONNECT STAINLESS STEEL -----	1	A
	0400107-157	CABLE-TAB ACTUATOR TO DISCONNECT STAINLESS STEEL -----	1	B
		ATTACHING PARTS -----		
-31	AN3-4A	BOLT -----	1	
-32	AN960-10	WASHER -----	1	
-33	MS21044N3	NUT -----	1	
		-----*		
-34	AN155-8L	BARREL-TURNBUCKLE -----	1	
-35	0411523	BLOCK-ELEVATOR TAB -----	3	
-36	AN3-6	BOLT -----	1	
-37	0411524	BUSHING -----	1	
-38	MS20365-1032C	NUT -----	1	
-39	SEE FIG 18	ACTUATOR ASSEMBLY-ELEVATOR TAB -----	1	
		A---150 SERIAL 15072119 THRU 15077005 F150 SERIAL F15000530 THRU F15001248 A150 SERIAL A1500001 THRU A1500609 FA150 SERIAL FA1500001 THRU FA1500281 B---150 SERIAL 15077006 & ON F150 SERIAL F15001249 & ON A150 SERIAL A1500610 & ON FA150 SERIAL FA1500282 & ON		

Pitot System

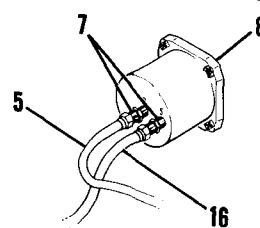
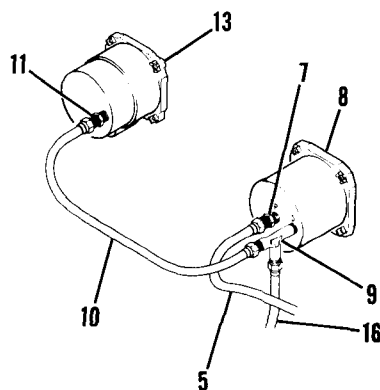
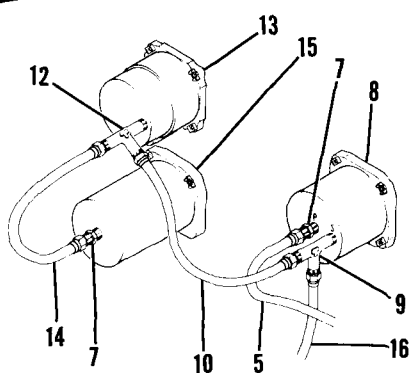
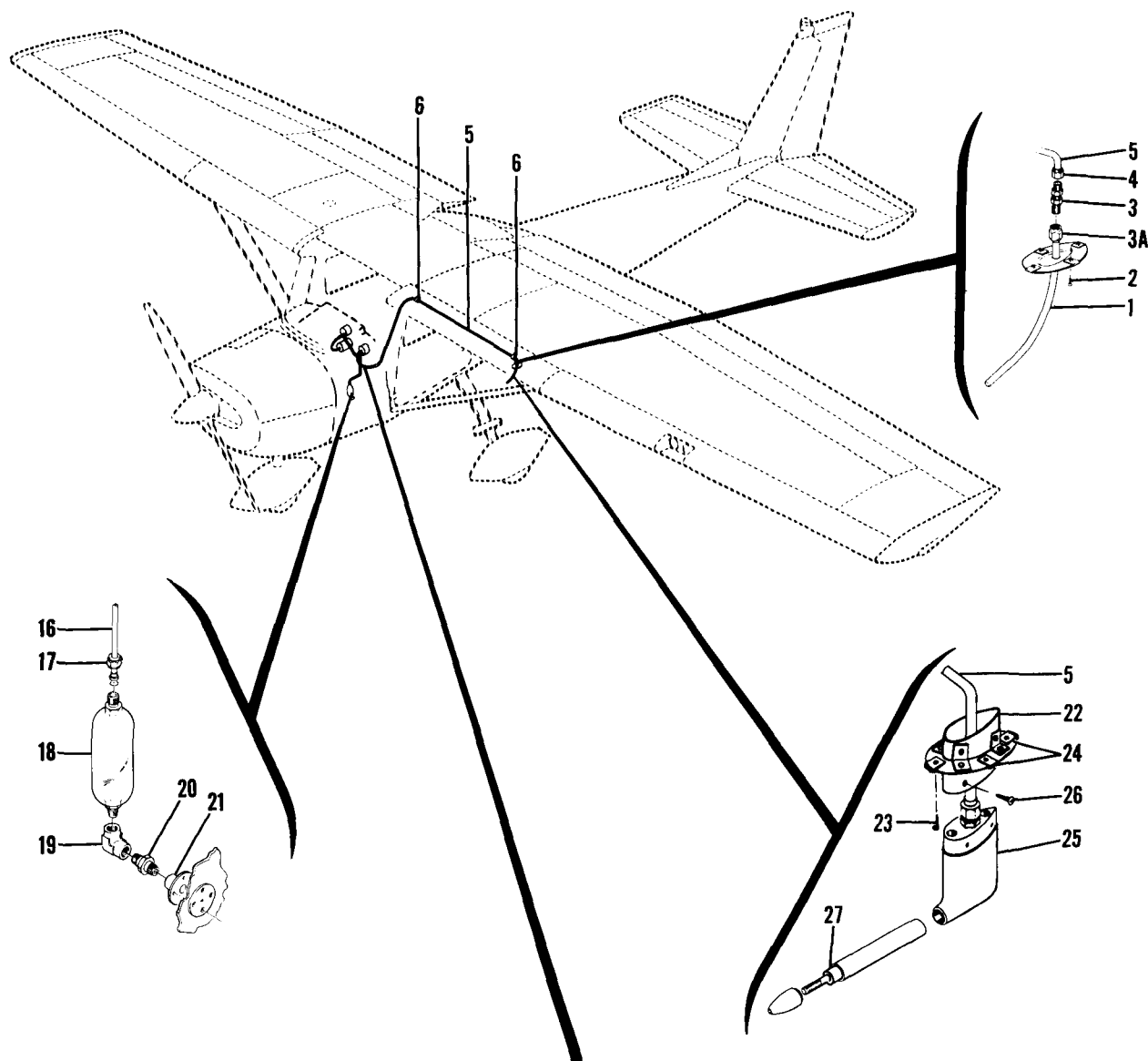
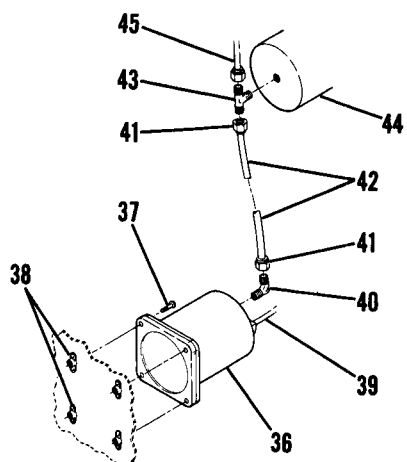
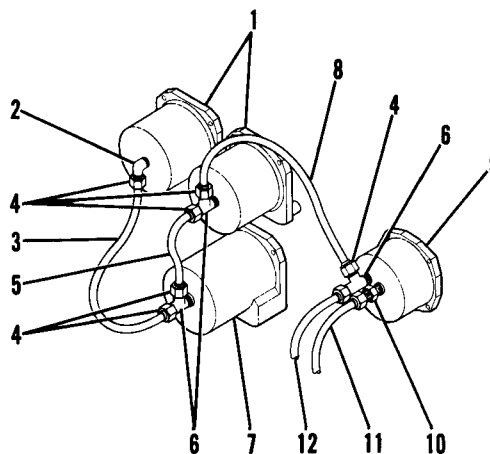
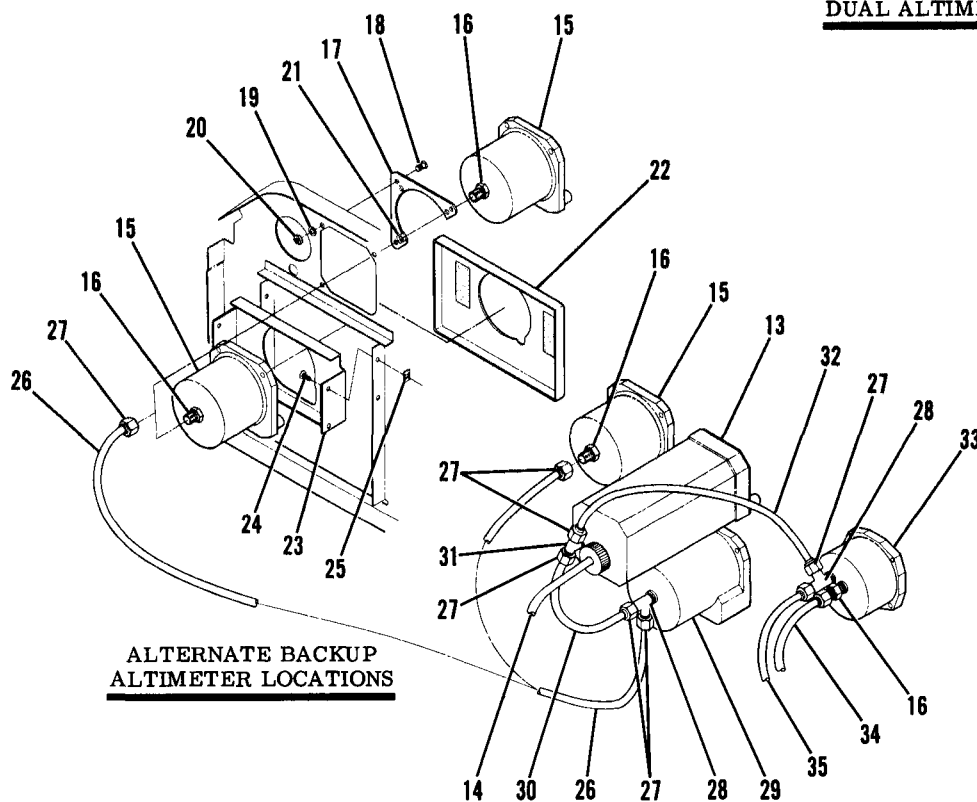


Figure 73. Pitot System Installation



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
73 -		PITOT SYSTEM INSTALLATION -----	NP	
- 1	0521103-2	TUBE ASSEMBLY-PITOT WEU 0521103-4 -----	1	A
	0521103-4	TUBE ASSEMBLY-PITOT -----	1	B
		ATTACHING PARTS -----		
- 2	S1021Z8-8	SCREW -----	4	
		-----*		
- 3	S1132-1	UNION-NYLON -----	1	
- 3A	S1130-1	NUT -----	1	B
- 4	S1130-1	NUT -----	1	
	S1131-1	INSERT -----	1	
- 5	S1071-1	TUBE-POLYETHYLENE-PITOT TUBE TO AIRSPEED INDICATOR -----	1	
		80.0 IN LG BKI REF S1071-1-80.0		
		ATTACHING PARTS -----		
- 6	AN742D4	CLAMP -----	2	
	S1021Z8-8	SCREW -----	2	
	NAS395-12-3	NUT -----	2	
		-----*		
- 7	S1133-1	CONNECTOR-NYLON -----	2	
	S1130-1	NUT-NYLON -----	2	
	S1131-1	INSERT-NYLON -----	2	
- 8		INDICATOR-AIRSPEED SEE INSTRUMENT PANEL FIG -----	1	
- 9	S1139-1	TEE-NYLON -----	1	
	S1130-1	NUT-NYLON -----	2	
	S1131-1	INSERT-NYLON -----	2	
-10	S1071-1	TUBE-POLYETHYLENE-AIRSPEED TO ALTIMETER -----	1	
		* IN LG BULK ITEM REF S1071-1-*		
-11	S1133-1	CONNECTOR-NYLON USED WHEN VERT SPEED IS NOT INSTALLED -----	1	
-12	S1139-1	TEE-NYLON USED WHEN VERT SPEED IS INSTALLED -----	1	
	S1130-1	NUT-NYLON -----	2	
	S1131-1	INSERT-NYLON -----	2	
-13		ALTIMETER SEE INSTRUMENT PANEL FIG -----	1	
	SEE FIG 73A	ENCODING & DUAL ALTIMETER INSTL -----	AR	
-14	S1071-1	TUBE-POLYETHYLENE-ALTIMETER TO VERTICAL SPEED -----	1	
		* IN LG BULK ITEM REF S1071-1-*		
-15		INDICATOR-VERTICAL SPEED SEE INSTRUMENT PANEL FIG -----	1	
-16	S1071-1	TUBE-POLYETHYLENE-AIRSPEED TO SUMP -----	1	
		18.0 IN LG BULK ITEM REF S1071-1-18.0		
-17	S1130-1	NUT-NYLON -----	1	
	S1131-1	INSERT-NYLON -----	1	
-18	S1258-1	SUMP-STATIC SOURCE -----	1	
-19	AN916-10	ELBOW -----	1	
-20	AN911-10	NIPPLE -----	1	
-21	S1776-1	BUTTON-PITOT STATIC LINE -----	1	
		HEATED PITOT TUBE INSTALLATION -----	NP	
-22	0721101-8	CONNECTOR ASSEMBLY -----	1	
		ATTACHING PARTS -----		
-23	S1021Z8-8	SCREW -----	4	
		-----*		
-24	NAS395-14-3	NUT -----	4	
-25	0721105-27	TUBE ASSEMBLY-HEATED PITOT -----	1	
		ATTACHING PARTS -----		
-26	AN507-640R4	SCREW -----	4	
		-----*		
-27	0721105-5	HEATER ASSEMBLY-PITOT -----	1	
		SWITCH & FUSE-HEATED PITOT SEE SWITCH INSTL FIG -----	1	
		NOTE. *LENGTH TO BE ADDED LATER.		
		A---150 SERIAL 15072119 THRU 15072585		
		F150 SERIAL F15000530 THRU F15000738		
		A150 SERIAL A1500001 THRU A1500269		
		FA150 SERIAL FA1500001 THRU FA1500121		
		B---150 SERIAL 15072586 & ON		
		F150 SERIAL F15000739 & ON		
		A150 SERIAL A1500270 & ON		
		FA150 SERIAL FA1500122 & ON		

Pitot System (Cont)

BLIND ENCODER INSTLDUAL ALTIMETER INSTLALTERNATE BACKUP
ALTIMETER LOCATIONSENCODING ALTIMETER INSTL

150 SERIAL 15075782 & ON
 F150 SERIAL F15001014 & ON
 A150 SERIAL A1500524 & ON
 FA150 SERIAL FA1500212 & ON

Figure 73A. Encoding & Dual Altimeter Installations

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
73A-		DUAL ALTIMETER INSTALLATION	NP	A
- 1	C661071-0102	ALTIMETER-50 FT INCREMENTS	2	
	C661025-0102	ALTIMETER-20 FT INCREMENTS	2	
		ATTACHING PARTS		
	AN515B6R16	SCREW	3	
	AN936A6B	WASHER	3	
	AN340B6	NUT	3	
		---*---		
- 2	S1135-1	ELBOW	1	
- 3	S1071-1	TUBE-ALTIMETER TO VERTICAL SPEED * IN LG BKI	1	
- 4	S1130-1	NUT	6	
	S1131-1	INSERT	6	
- 5	S1071-1	TUBE-ALTIMETER TO VERTICAL SPEED * IN LG BKI	1	
- 6	S1139-1	TEE	3	
- 7		INDICATOR-VERTICAL SPEED SEE INSTRUMENT PANEL FIG	1	
- 8	S1071-1	TUBE-ALTIMETER TO AIRSPEED * IN LG BKI	1	
- 9		INDICATOR-AIRSPEED SEE INSTRUMENT PANEL FIG	1	
-10	S1133-1	CONNECTOR	1	
-11	SEE FIG 73	TUBE ASSY-AIRSPEED TO PITOT TUBE	1	
-12	SEE FIG 73	TUBE ASSY-AIRSPEED TO SUMP	1	
		ENCODING ALTIMETER INSTALLATION	NP	B
-13	42540-3114	ALTIMETER-ENCODING FEET/INCHES ARC	1	C
	42540-3214	ALTIMETER-ENCODING FEET/MILIBARS ARC	1	
		ATTACHING PARTS		
	AN515B6R7	SCREW	3	
		---*---		
-14		CABLE ASSY SEE CESSNA ELECTRONICS MANUAL	1	
-15		ALTIMETER-BACKUP SEE INSTRUMENT PANEL FIG	1	
-16	S1133-1	CONNECTOR	2	
-17	0401013-5	ADAPTOR	1	
		ATTACHING PARTS		
-18	AN515B6R6	SCREW	3	
-19	AN936A6	WASHER	3	
-20	AN340B6	NUT	3	
		---*---		
-21	NAS488-1-1	NUT	3	
-22	0413554-4	COVER ASSY	1	D
	S2092-3	FASTENER-HOOK BKI	AR	D
-23	0413555-1	BRACKET ASSY	1	D
		ATTACHING PARTS		
-24	S102126-6	SCREW	4	D
-25	NAS446-2-3	NUT	4	D
		---*---		
-26	S1071-1	TUBE-ALTIMETER TO VERTICAL SPEED * IN LG BKI	1	
-27	S1130-1	NUT	6	
	S1131-1	INSERT	6	
-28	S1139-1	TEE	2	
-29		INDICATOR-VERTICAL SPEED SEE INSTRUMENT PANEL FIG	1	
-30	S1071-1	TUBE-VERTICAL SPEED TO ENCODING ALTIMETER * IN LG	1	
-31	S1138-1	TEE	1	
-32	S1071-1	TUBE-ENCODING ALTIMETER TO AIRSPEED * IN LG BKI	1	
-33		INDICATOR-AIRSPEED SEE INSTRUMENT PANEL FIG	1	
-34	SEE FIG 73	TUBE ASSY-AIRSPEED TO PITOT TUBE	1	
-35	SEE FIG 73	TUBE ASSY-AIRSPEED TO SUMP	1	

CONTINUED ON NEXT PAGE

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
73A-		BLIND ENCODER INSTALLATION -----	1	E
-36	C744001-0101	BLIND ENCODER -----	1	
		ATTACHING PARTS -----		
-37	AN515-8R12	SCREW -----	4	
-38	NAS680A08K	NUTPLATE -----	4	
		-----*		
-39		CABLE ASSY SEE CESSNA ELECTRONICS MANUAL -----	1	
-40	S1135-1	ELBOW -----	1	
-41	S1130-1	NUT -----	2	
	S1131-1	INSERT -----	2	
-42	S1071-1	TUBE-ENCODER TO TEE * IN LG BKI -----	1	
-43	S1138-1	TEE -----	1	
-44		ALTIMETER OR VERTICAL SPEED SEE INSTRUMENT PANEL FIG -----	1	
-45	SEE FIG 73	TUBE ASSY -----	1	
		 NOTE. *LENGTH TO BE DETERMINED LATER.		
		 NOTE. THIS PART NUMBER MUST HAVE A SECOND DASH NUMBER ADDED TO DENOTE COLOR. REFER TO HOW TO ORDER INTERIOR PARTS-PAGE VII.		
		 A---F150 SERIAL F15001014 & ON FA150 SERIAL FA1500212 & ON		
		B---150 SERIAL 15075782 & ON F150 SERIAL F15001249 & ON A150 SERIAL A1500524 & ON FA150 SERIAL FA1500282 & ON		
		C---150 SERIAL 15075782 & ON A150 SERIAL A1500524 & ON		
		D---150 SERIAL 15077006 & ON F150 SERIAL F15001249 & ON A150 SERIAL A1500610 & ON FA150 SERIAL FA1500282 & ON		
		E---150 SERIAL 15078506 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500685 & ON FA150 SERIAL FA1500312 & ON		





FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
75 -		BRAKE SYSTEM INSTALLATION -----							NP	
- 1	SEE FIG 62	CYLINDER ASSEMBLY-BRAKE -----							2	A
	SEE FIG 63	CYLINDER ASSEMBLY-BRAKE -----							2	B
- 2	MS28778-4	PACKING -----							2	B
- 3	S1743-2	CONNECTOR -----							2	E
- 3A	1782001-1	NIPPLE -----							2	G
- 4	AN914-10	ELBOW -----							2	F
- 4A	AN916-10	ELBOW -----							2	G
- 5	S1810-1075	HOSE ASSEMBLY-BRAKE LH & RH -----							2	
- 6	0413436-2	BRACKET -----							1	
		ATTACHING PARTS								
- 7	S1021210-6	SCREW -----							2	
- 8	NAS395-25-3	NUT -----							2	
		-----*								
CONTINUED ON NEXT PAGE										

Brake System

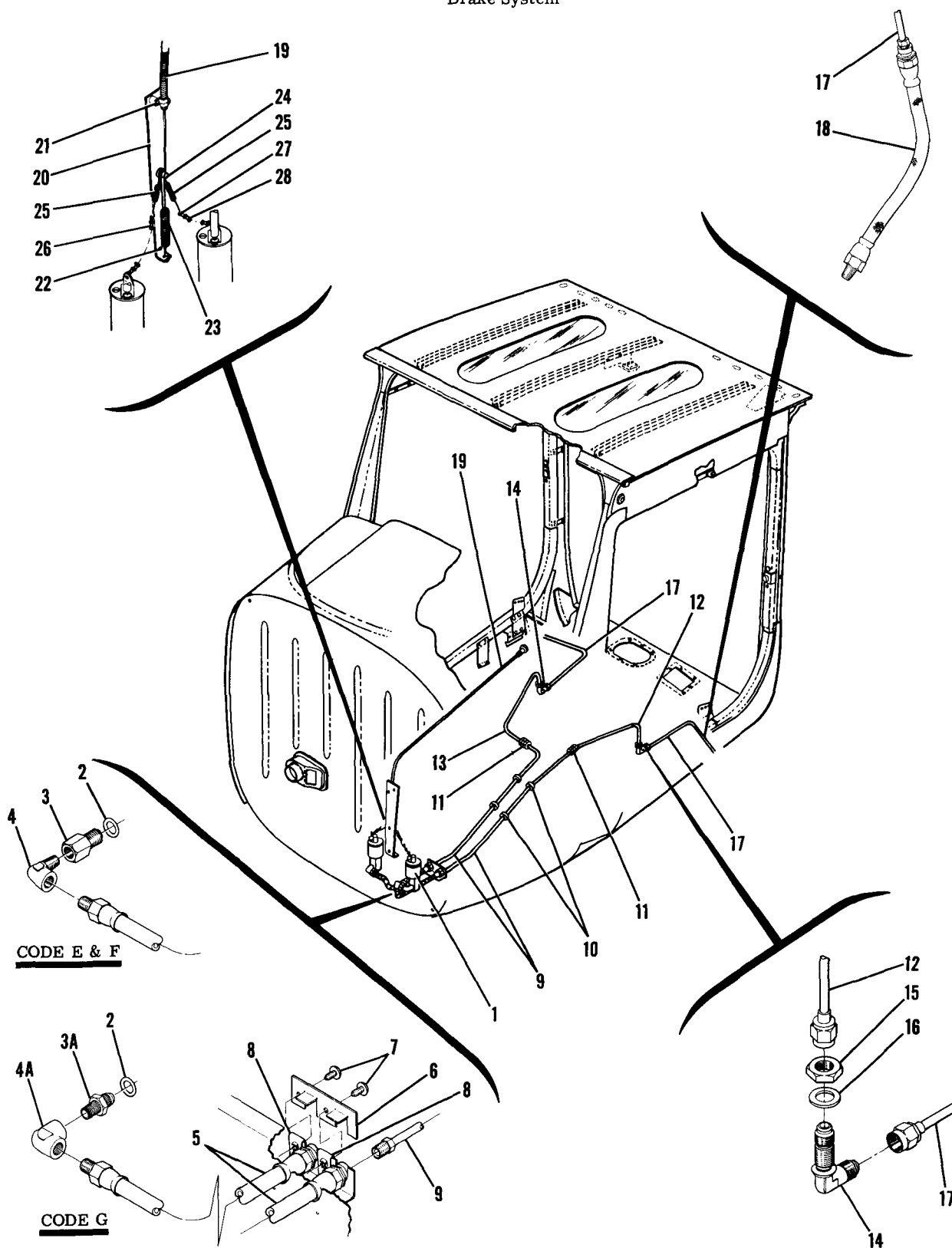
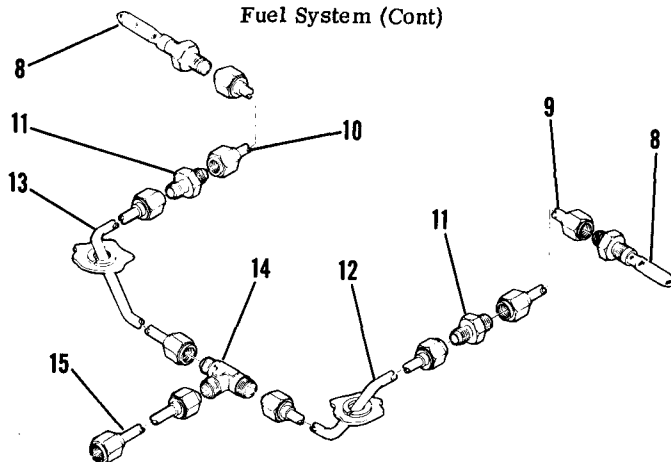


Figure 75. Brake System Installation

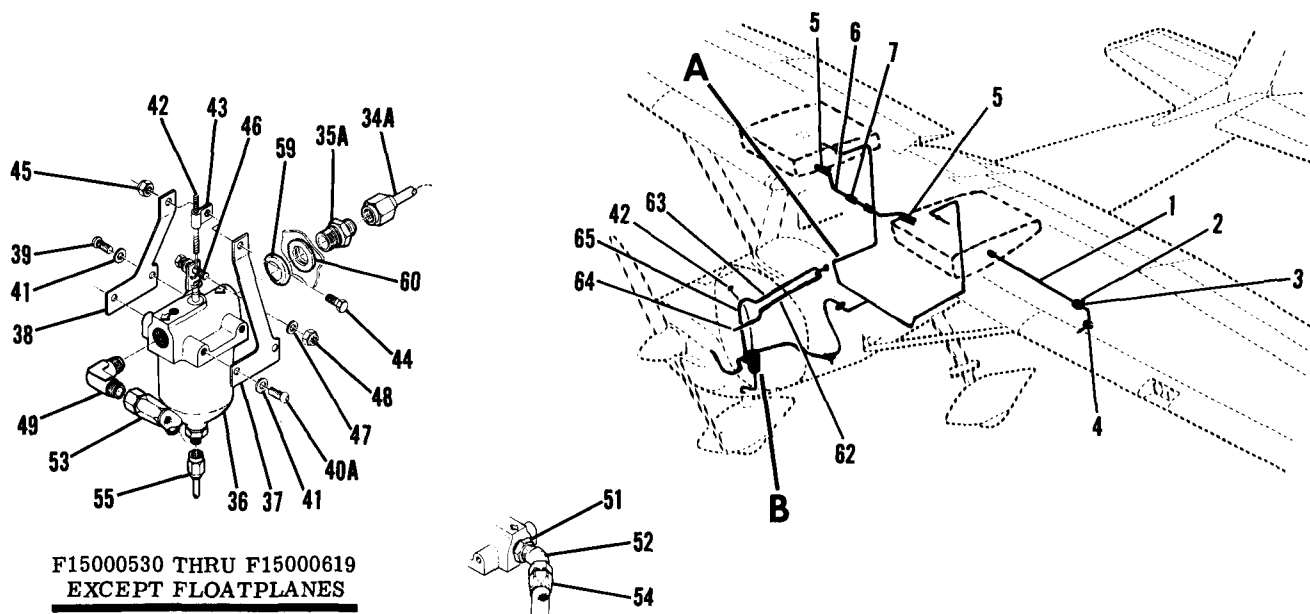


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
75 - 9	0400311-98	LINE ASSEMBLY-BRAKE -----	2	
-10	MS35489-7	GROMMET -----	4	
-11	AN815-3D	UNION -----	2	
-12	0400311-97	LINE ASSEMBLY-BRAKE LH -----	1	
-13	0400311-96	LINE ASSEMBLY-BRAKE RH -----	1	
-14	AN833-3D	ELBOW -----	2	
-15	AN924-3D	NUT -----	2	
-16	AN960-716L	WASHER -----	2	
-17	0400311-99	LINE ASSEMBLY-BRAKE FUSELAGE TO HOSE -----	2	C
	SEE FIG 36A&36B	BRAKE LINE INSTALLATION FUSELAGE TO BRAKE -----	1	D
		ATTACHING PARTS		
	MS21919DG3	CLAMP CLAMP LINE AT STEP ON SPRING -----	1	C
	NAS220-6	SCREW -----	1	C
	MS21044N08	NUT -----	1	C
		-----*		
-18	S1810-1075	HOSE ASSEMBLY LINE ASSEMBLY TO BRAKE -----	1	C
-19	S1239-49	CONTROL-PARKING BRAKE -----	1	
-20	0541174-1	PLATE-PARKING BRAKE -----	1	
		ATTACHING PARTS		
-21	S102128-14	SCREW -----	2	
	NAS446-4-3	NUT -----	2	
	NAS43DD3-23	SPACER -----	2	
	AN742D3	CLAMP -----	2	
-22	S102128-8	SCREW -----	2	
	NAS446-4-3	NUT -----	2	
		-----*		
-23	0541172-1	SPRING-RETURN -----	1	
		ATTACHING PARTS		
-24	0450258	CLAMP -----	1	
	AN500A8-5	SCREW -----	1	
		-----*		
-25	0541173-1	SPRING -----	2	
-26	S1099-1-4.50	CHAIN-PARKING BRAKE LH -----	1	C
	S1099-1-5.00	CHAIN-PARKING BRAKE LH -----	1	D
-27	0541178-1	LINK -----	2	C
-28	S1099-1-3.60	CHAIN-PARKING BRAKE RH -----	1	C
	S1099-1-4.10	CHAIN-PARKING BRAKE RH -----	1	D
	0541178-1	LINK ATTACH CHAIN TO BRAKE CYLINDER -----	2	
		A---150 SERIAL 15071129 THRU 15071813 A150 SERIAL A1500001 THRU A1500170		
		B---150 SERIAL 15071814 & ON F150 SERIAL F15000530 & ON A150 SERIAL A1500171 & ON FA150 SERIAL FA1500001 & ON		
		C---150 SERIAL 15071129 THRU 15072003 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500226 FA150 SERIAL FA1500001 THRU FA1500081		
		D---150 SERIAL 15072004 & ON F150 SERIAL F15000659 & ON A150 SERIAL A1500227 & ON FA150 SERIAL FA1500082 & ON		
		E---150 SERIAL 15071814 THRU 15073911 F150 SERIAL F15000530 THRU F15000839 A150 SERIAL A1500171 THRU A1500358 FA150 SERIAL FA150001 THRU FA1500166		
		F---150 SERIAL 15071129 THRU 15073911 F150 SERIAL F15000530 THRU F15000839 A150 SERIAL A1500001 THRU A1500358 FA150 SERIAL FA1500001 THRU FA1500166		
		G---150 SERIAL 15073912 & ON F150 SERIAL F15000840 & ON A150 SERIAL A1500359 & ON FA150 SERIAL FA1500167 & ON		

Fuel System (Cont)



Detail A

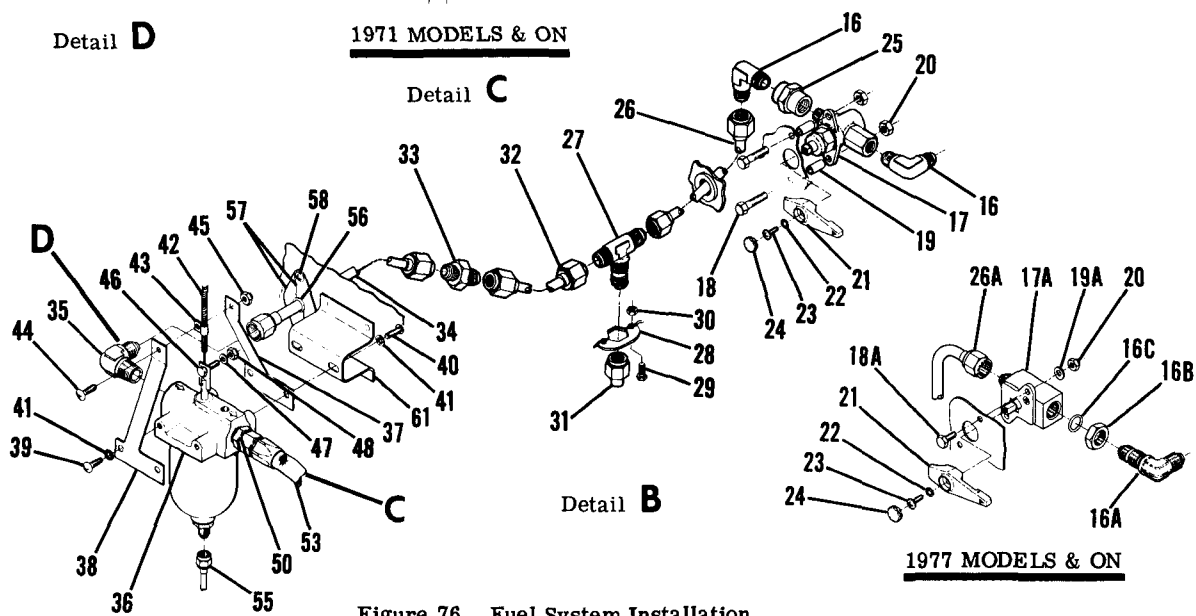


F15000530 THRU F15000619
EXCEPT FLOATPLANES

Detail D

1971 MODELS & ON

Detail C



1977 MODELS & ON

Figure 76. Fuel System Installation



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
76 -		FUEL SYSTEM INSTALLATION -----	NP	
- 1	0400311-86	LINE ASSEMBLY-VENT -----	1	A
	0400311-104	LINE ASSEMBLY-VENT AEROBAT -----	1	B
	0400311-87	LINE ASSEMBLY-VENT EXTENDED RANGE ONLY -----	1	A
	0400311-105	LINE ASSEMBLY-VENT EXTENDED RANGE ONLY AEROBAT -----	1	B
		ATTACHING PARTS -----		
- 2	0512006-1	ANGLE -----	1	
- 3	A3047A6-92	CLAMP TIN -----	1	
	S1021Z8-8	SCREW -----	1	
		-----*		
- 4	MS35489-11	GROMMET -----	1	
- 5	S1495-6	HOSE-3.0 IN LG BULK ITEM REF S1495-6-3.00 -----	2	
		ATTACHING PARTS -----		
	S1891-6	CLAMP -----	2	
	AN737TW24	CLAMP ALTERNATE -----	2	
		-----*		
- 6	0400311-100	LINE-VENT -----	1	
		ATTACHING PARTS -----		
- 7	MS21919DG6	CLAMP -----	2	
	S1021Z8-8	SCREW -----	2	
		-----*		
- 8	0422130	STRAINER ASSEMBLY -----	2	
- 9	0400311-64	LINE ASSEMBLY-FUEL LH -----	1	
-10	0400311-65	LINE ASSEMBLY-FUEL RH -----	1	
-11	AN815-6D	UNION -----	2	
-12	0400311-61	LINE ASSEMBLY-FUEL LH -----	1	H
	0400311-113	LINE ASSEMBLY-FUEL LH -----	1	J
-13	0400311-62	LINE ASSEMBLY-FUEL RH -----	1	H
	0400311-112	LINE ASSEMBLY-FUEL RH -----	1	J
-14	AN824-6D	TEE -----	1	
-15	0400311-59	LINE ASSEMBLY-FUEL -----	1	H
	0400311-110	LINE ASSEMBLY-FUEL -----	1	J
-16	MS20822-6D	ELBOW -----	2	N
-16A	AN833-6D	ELBOW -----	1	P
-16B	AN924-6D	NUT -----	1	P
-16C	MS29512-06	O RING -----	1	P
-17	0411803-6	VALVE ASSEMBLY-FUEL SHUT OFF -----	1	H
	0411803-8	VALVE ASSEMBLY-FUEL SHUT OFF -----	1	M
	SEE FIG 76A	VALVE ASSEMBLY-FUEL SHUT OFF -----	1	P
		ATTACHING PARTS -----		
-18	AN3H10A	BOLT -----	2	N
-18A	AN3-4A	BOLT -----	2	P
-19	NAS43HT3-34	SPACER -----	2	N
-19A	AN960-10L	WASHER -----	2	P
-20	MS20364-1032C	NUT -----	2	
		-----*		
-21	0716623-3	HANDLE -----	1	H
	0716623-5	HANDLE -----	1	J
-22	AN936A8	WASHER -----	1	
-23	AN525-8R6	SCREW -----	1	
-24	0716624-1	COVER -----	1	
-25	AN910-2D	COUPLING -----	1	N
-26	0400311-63	LINE ASSEMBLY-FUEL -----	1	H
	0400311-111	LINE ASSEMBLY-FUEL -----	1	M
-26A	0400311-118	LINE ASSEMBLY-FUEL -----	1	P
-27	AN834-6D	TEE -----	1	
-28	0413338	LOCK PLATE -----	1	
		ATTACHING PARTS -----		
-29	AN520-10R8	SCREW -----	2	
-30	NAS696A3K	NUTPLATE -----	2	
		-----*		
-31	AN929-6	CAP ASSEMBLY -----	1	
-32	0400311-58	LINE ASSEMBLY-FUEL -----	1	
-33	AN815-6D	UNION -----	1	
-34	0400311-79	LINE ASSEMBLY-FUEL -----	1	C
-34A	0400311-57	LINE ASSEMBLY-FUEL -----	1	D
-35	MS20822-6-6D	ELBOW -----	1	Q
	MS20822-6-8D	ELBOW -----	1	S
-35A	AN816-6-6D	NIPPLE -----	1	D
-36	SEE FIG 77	STRAINER ASSEMBLY-FUEL -----	1	
CONTINUED ON NEXT PAGE				

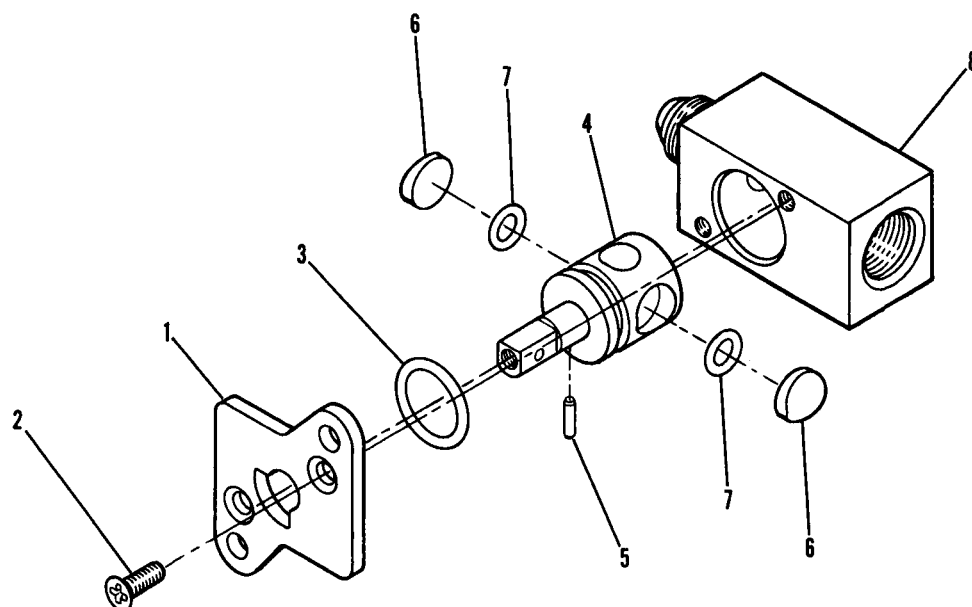


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
76 -37	0500315-1	BRACKET -----	1	
-38	0500315-2	BRACKET -----	1	
		ATTACHING PARTS		
-39	AN515-10R10	SCREW -----	2	
-40	MS20074-03-04	BOLT -----	2	C
-40A	AN515-10R10	SCREW -----	2	D
-41	AN936A10	WASHER -----	2	
		---*---		
-42	SEE FIG 56	CONTROL ASSEMBLY -----	1	
		ATTACHING PARTS		
-43	AN742D3	CLAMP -----	1	
-44	AN515-10R8	SCREW -----	1	
-45	MS21044N3	NUT -----	1	
-46	0450311-3	CLAMP -----	1	
-47	AN960-416	WASHER -----	AR	
-48	MS21042L4	NUT -----	1	
		---*---		
-49	MS20822-6-6D	ELBOW -----	1	D
-50	AN816-6-6D	NIPPLE -----	1	E
-51	AN912-2D	BUSHING -----	1	R
	AN912-5D	BUSHING -----	1	S
-52	MS20823-6D	ELBOW -----	1	G
-53	S1167-6-0230	HOSE ASSEMBLY -----	1	F
-54	S1167-6-0194	HOSE ASSEMBLY -----	1	G
-55	0400311-95	LINE ASSEMBLY-STRAINER DRAIN -----	1	
-56	NAS557-6	GROMMET -----	1	C
-57	S1095-3	SHIELD HALF -----	2	C
		ATTACHING PARTS		
-58	S1021Z8-6	SCREW -----	2	C
		---*---		
-59	0750032-1	SHIELD -----	1	D
-60	S354-3	GROMMET -----	1	D
-61	SEE FIG 26	BRACKET-FUEL STRAINER -----	1	
-62	0400311-102	LINE ASSEMBLY-PRIMER LH WEU 0400311-117 -----	1	K
	0400311-117	LINE ASSEMBLY-PRIMER LH -----	1	L
-63	0400311-101	LINE ASSEMBLY-PRIMER RH WEU 0400311-116 -----	1	K
	0400311-116	LINE ASSEMBLY-PRIMER RH -----	1	L
-64	0400311-103	LINE ASSEMBLY-PRIMER FIREWALL TO ENGINE -----	1	
-65	0400106-83	LINE ASSEMBLY-PRIMER FIREWALL TO STRAINER -----	1	
		ATTACHING PARTS		
	AN816-2D	NIPPLE-LINE ASSEMBLY TO FUEL STRAINER -----	1	
		---*---		
NOTE. *THESE PARTS ARE NOT INCLUDED WITH FUEL VALVE ON 1977 MODELS & ON & MUST BE ORDERED SEPARATELY.				
A---150 SERIAL 15071129 & ON F150 SERIAL F15000530 & ON				
B---A150 SERIAL A1500001 & ON FA150 SERIAL FA1500001 & ON				
C---150 SERIAL 15071129 & ON F150 SERIAL F15000620 & ON F150 SERIAL F15000530 & ON FLOATPLANE A150 SERIAL A1500001 & ON FA150 SERIAL FA1500001 & ON				
D---F150 SERIAL F15000530 THRU F15000619 EXCEPT FLOATPLANE				
E---150 SERIAL 15071129 THRU 15072003 F150 SERIAL F15000620 THRU F15000658 A150 SERIAL A1500001 THRU A1500226 FA150 SERIAL FA1500001 THRU FA1500081				
F---150 SERIAL 15071129 THRU 15072003 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500226 FA150 SERIAL FA1500001 THRU FA1500081				
G---150 SERIAL 15072004 & ON F150 SERIAL F15000659 & ON A150 SERIAL A1500227 & ON FA150 SERIAL FA1500082 & ON				
CONTINUED ON NEXT PAGE				



FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
76 -		1234567 H---150 SERIAL 15071129 THRU 15073658 F150 SERIAL F15000530 THRU F15000863 A150 SERIAL A1500001 THRU A1500342 FA150 SERIAL FA1500001 THRU FA1500166 J---150 SERIAL 15073659 & ON F150 SERIAL F15000864 & ON A150 SERIAL A1500343 & ON FA150 SERIAL FA1500167 & ON K---150 SERIAL 15071129 THRU 15077005 F150 SERIAL F15000530 THRU F15001248 A150 SERIAL A1500001 THRU A1500609 FA150 SERIAL FA1500001 THRU FA1500281 L---150 SERIAL 15077006 & ON F150 SERIAL F15001249 & ON A150 SERIAL A1500610 & ON FA150 SERIAL FA1500282 & ON M---150 SERIAL 15073659 THRU 15078505 F150 SERIAL F15000864 THRU F15001338 A150 SERIAL A1500343 THRU A1500684 FA150 SERIAL FA1500167 THRU FA1500311 N---150 SERIAL 15071129 THRU 15078505 F150 SERIAL F15000530 THRU F15001338 A150 SERIAL A1500001 THRU A1500684 FA150 SERIAL FA1500001 THRU FA1500311 P---150 SERIAL 15078506 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500685 & ON FA150 SERIAL FA1500312 & ON Q---150 SERIAL 15071129 THRU 15077758 F150 SERIAL F15000620 & ON F150 SERIAL F15000530 & ON FLOATPLANE A150 SERIAL A1500001 THRU A1500653 FA150 SERIAL FA1500001 & ON R---150 SERIAL 15072004 THRU 15077758 F150 SERIAL F15000659 & ON A150 SERIAL A1500227 THRU A1500653 FA150 SERIAL FA1500082 & ON S---150 SERIAL 15077759 & ON A150 SERIAL A1500654 & ON		

Fuel System (Cont)



150 SERIAL 15078506 & ON
 F150 SERIAL F15001339 & ON
 A150 SERIAL A1500685 & ON
 FA150 SERIAL FA1500312 & ON

Figure 76A. Fuel Shut Off Valve Assembly

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
76A-		FUEL SHUT OFF VALVE ASSEMBLY -----	1	A
- 1	9851070-1 9851074-1	COVER-FUEL SHUT OFF VALVE -----	1	
- 2	AN507-832R7	ATTACHING PARTS -----		
		SCREW -----	2	
- 3	MS29513-016	O RING -----	1	
- 4	9851072-2	ROTOR-FUEL SHUT OFF VALVE -----	1	
- 5	NAS561P3-5	ROLL PIN -----	1	
- 6	9851073-1	SEAL-FUEL SHUT OFF VALVE -----	2	
- 7	MS29513-010	O RING -----	2	
- 8	9851071-2	BODY-FUEL SHUT OFF VALVE -----	1	
		 A---150 SERIAL 15078506 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500685 & ON FA150 SERIAL FA1500312 & ON		

Fuel System (Cont)

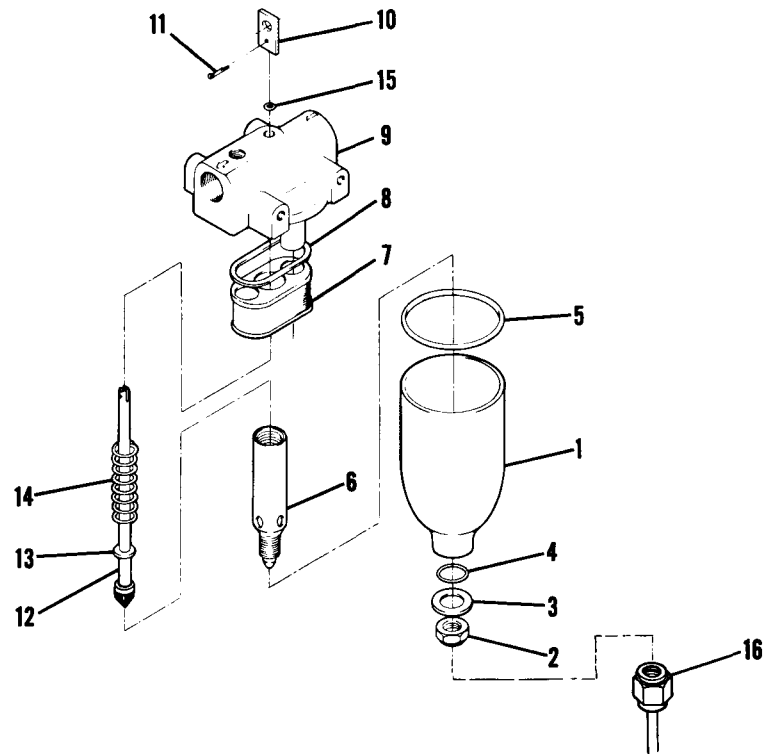
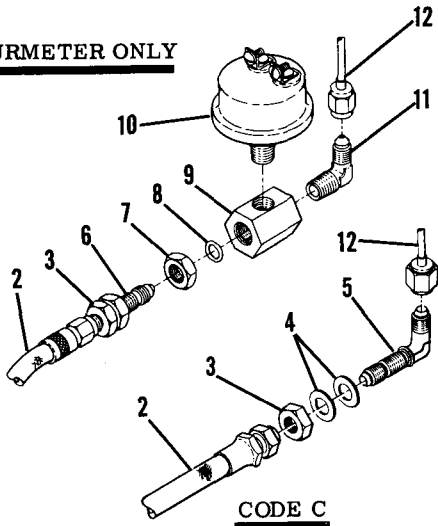


Figure 77. Fuel Strainer Assembly

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
77 -	0756005-8 *	STRAINER ASSEMBLY-FUEL	1	
- 1	0756008-1	BOWL-FUEL STRAINER	1	
		ATTACHING PARTS		
- 2	S1573-3	NUT	1	
- 3	0756015-1	WASHER	1	
- 4	MS29513-111	O RING	1	
- 5	MS29513-138	O RING	1	
		-----*		
- 6	0756011-1	STANDPIPE	1	
- 7	0756009-1	FILTER-FUEL STRAINER	1	
- 8	0756009-8	GASKET	1	
- 9	0756005-2 *	TOP ASSEMBLY-FUEL STRAINER	1	
-10	0756014-1	PLATE	1	
		ATTACHING PARTS		
-11	MS24665-132	COTTER PIN	1	
		-----*		
-12	0756010-6	PLUNGER ASSEMBLY-DRAIN	1	
-13	0756014-2	WASHER	2	
-14	0756012-1	SPRING	1	
-15	MS29513-10	O RING	1	
-16	0400311-95	LINE ASSEMBLY-STRAINER DRAIN	1	
		NOTE. *WHEN INITIALLY ORDERING THIS PART FOR AIRCRAFT SERIALS 15077759 & ON, & A1500654 & ON ALSO ORDER ONE AN912-2D BUSHING & ONE MS20822-6-6D ELBOW.		

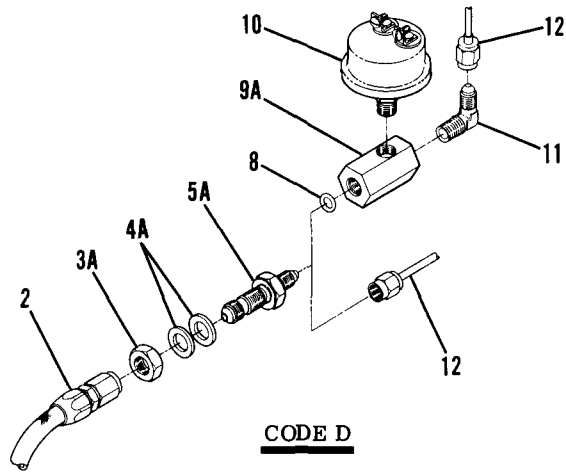
Oil System

HOURLMETER ONLY

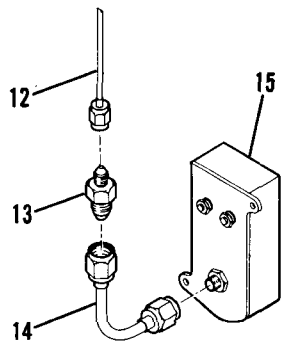


CODE C

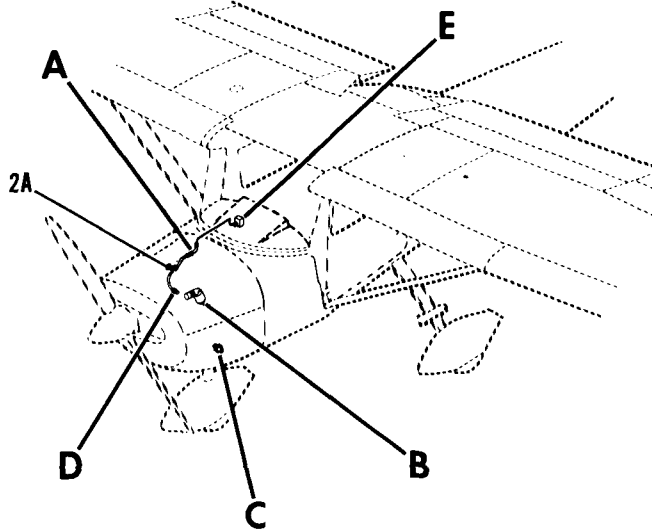
Detail **A**



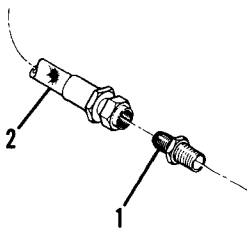
CODE D



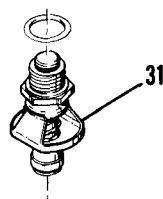
Detail **E**



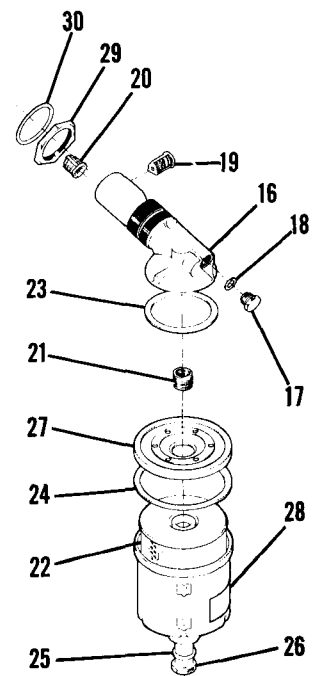
Detail **E**



Detail **D**



Detail **C**



Detail **B**

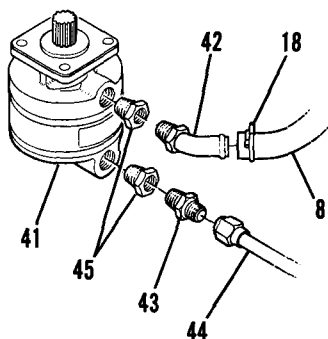
Figure 78. Oil System Installation

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
78 -		OIL SYSTEM INSTALLATION -----	NP	
- 1	AN816-28	NIPPLE -----	1	C
	0752037-3	ELBOW -----	1	D
- 2	S1168-2-15	HOSE ASSEMBLY-OIL PRESSURE -----	1	C
	S1236-3-0150	HOSE ASSEMBLY-OIL PRESSURE -----	1	D
		ATTACHING PARTS		
- 2A	S1486DG8L	CLAMP -----	1	
	MS21919DG6	CLAMP -----	1	
	S102128-8	SCREW -----	1	
		---*---		
- 3	AN924-2D	NUT -----	1	C
- 3A	AN924-3D	NUT -----	1	D
- 4	AN960-516	WASHER -----	2	C
- 4A	AN960-616	WASHER -----	2	D
- 5	AN833-2D	ELBOW -----	1	C
- 5A	1450024-3	UNION WEU S2289-2 -----	1	H
	S2289-2	UNION -----	1	J
- 6	AN832-2D	UNION USED WITH HOURMETER -----	1	C
- 7	AN924-2D	NUT USED WITH HOURMETER -----	1	C
- 8	MS28778-2	O RING USED WITH HOURMETER -----	1	
- 9	1213158-2	ADAPTER USED WITH HOURMETER -----	1	C
- 9A	1213158-3	ADAPTER USED WITH HOURMETER -----	1	D
- 10	S1711-1	SWITCH USED WITH HOURMETER -----	1	
- 11	MS20822-2	ELBOW USED WITH HOURMETER -----	1	E
	MS20822-2D	ELBOW USED WITH HOURMETER -----	1	F
- 12	0400311-78	LINE ASSEMBLY-OIL PRESSURE -----	1	E
	0400311-114	LINE ASSY-OIL PRESSURE -----	1	F
- 13	AN919-1D	REDUCER -----	1	B
- 14	1700121-66	LINE ASSEMBLY-OIL PRESSURE -----	1	B
- 15		GAGE-OIL PRESSURE SEE INSTRUMENT PANEL FIG -----	1	
		INSTALLATION-FULL FLOW OIL FILTER -----	NP	
	0450404-200	ADAPTER ASSEMBLY-OIL FILTER WEU 0450404-201 -----	1	A
	0450404-201	ADAPTER ASSEMBLY-OIL FILTER -----	1	G
- 16	0450403-2	ADAPTER WEU 0450403-3 -----	1	A
	0450403-3	ADAPTER -----	1	G
- 17	0495601-1	PLUG -----	1	
- 18	AN622789	O RING -----	1	
- 19	0756022-1	VALVE ASSEMBLY-BY PASS -----	1	
- 20	0756022-2	VALVE ASSEMBLY-OUTLET USED WITH 0450403-2 ONLY -----	1	A
- 21	MS124663	INSERT -----	1	
	C294505-0101	FILTER ASSEMBLY-FULL FLOW OIL -----	1	
- 22	C294505-0102	FILTER ELEMENT KIT-OIL -----	1	
- 23	6436635	GASKET AC -----	1	
- 24	6436637	GASKET AC -----	1	
- 25	5579654	WASHER AC -----	1	
- 26	6436916	STUD AC -----	1	
- 27	6436989	LID-OIL FILTER AC -----	1	
- 28	1250410-3	PLACARD-OIL FILTER -----	1	
- 29	1250405-1	NUT -----	1	
- 30	AN123883	PACKING -----	1	
	SE709	WRENCH-FILTER ADAPTER -----	1	
- 31	S1964-3	VALVE ASSEMBLY-QUICK DRAIN OIL -----	1	
		A---150 SERIAL 15071129 THRU 15078440 F150 SERIAL F15000530 THRU F15001338 A150 SERIAL A1500001 THRU A1500679 FA150 SERIAL FA1500001 THRU FA1500311		
		B---150 SERIAL 15071129 THRU 15072182 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500246 FA150 SERIAL FA1500001 THRU FA1500081		
		C---150 SERIAL 15071129 THRU 15072003 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500226 FA150 SERIAL FA1500001 THRU FA1500081		
		D---150 SERIAL 15072004 & ON F150 SERIAL F15000659 & ON A150 SERIAL A1500227 & ON FA150 SERIAL FA1500082 & ON		
		CONTINUED ON NEXT PAGE		

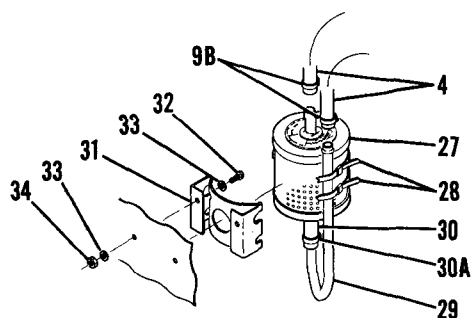
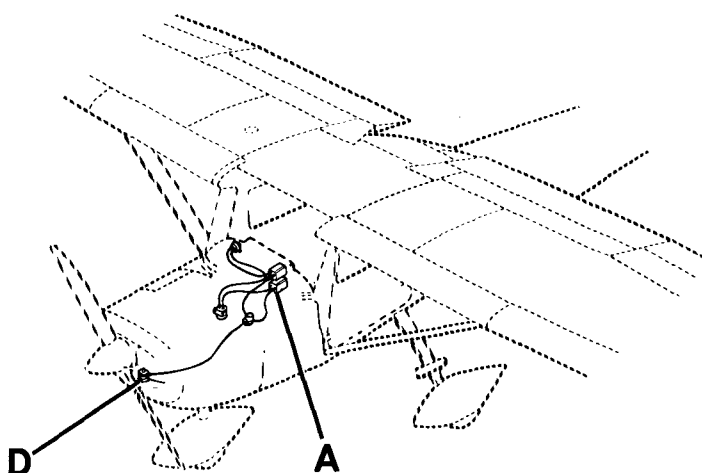


FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
78 -		1 2 3 4 5 6 7 E---150 SERIAL 15071129 THRU 15077005 F150 SERIAL F15000530 THRU F15001248 A150 SERIAL A1500001 THRU A1500609 FA150 SERIAL FA1500001 THRU FA1500281 F---150 SERIAL 15077006 & ON F150 SERIAL F15001249 & ON A150 SERIAL A1500610 & ON FA150 SERIAL FA1500282 & ON G---150 SERIAL 15078441 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500680 & ON FA150 SERIAL FA1500312 & ON H---150 SERIAL 15072004 THRU 15078040 F150 SERIAL F15000659 THRU F15001338 A150 SERIAL A1500227 THRU A1500658 FA150 SERIAL FA1500082 THRU FA1500311 J---150 SERIAL 15078041 & ON F150 SERIAL F15001339 & ON A150 SERIAL A1500659 & ON FA150 SERIAL FA1500312 & ON		

Vacuum System

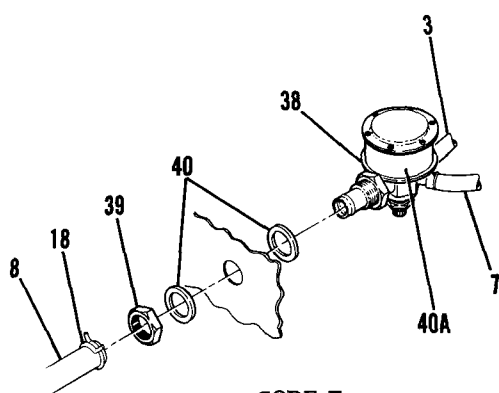


Detail D



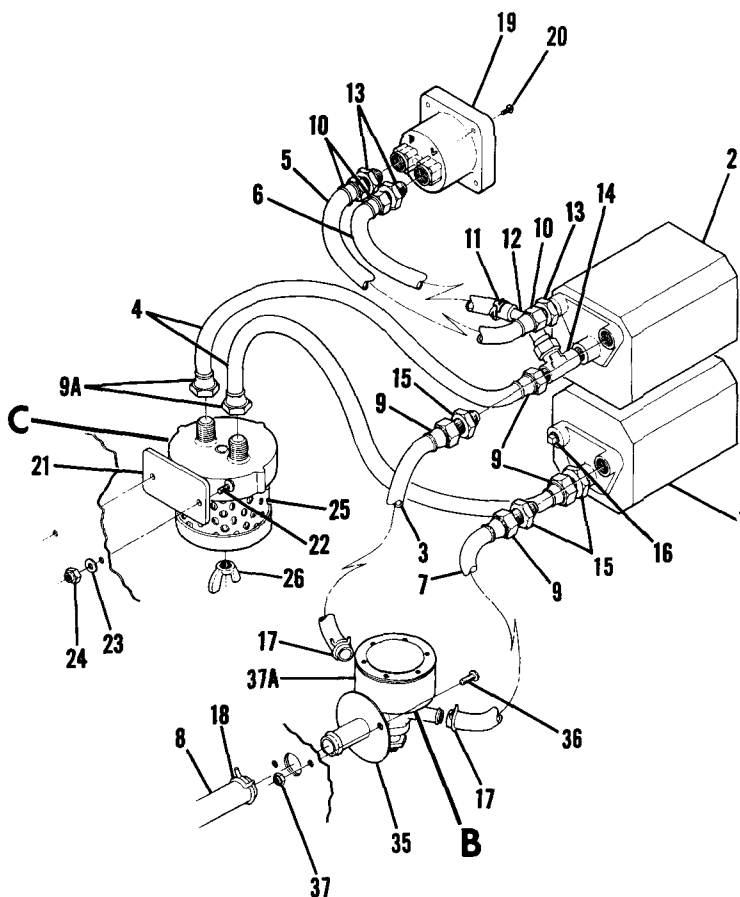
CODE L

Detail C



CODE F

Detail B



Detail A

150 SERIAL 15071129 THRU 15077005
F150 SERIAL F15000530 THRU F15001248
A150 SERIAL A1500001 THRU A1500609
FA150 SERIAL FA1500001 THRU FA1500281

Figure 79. Vacuum System Installation

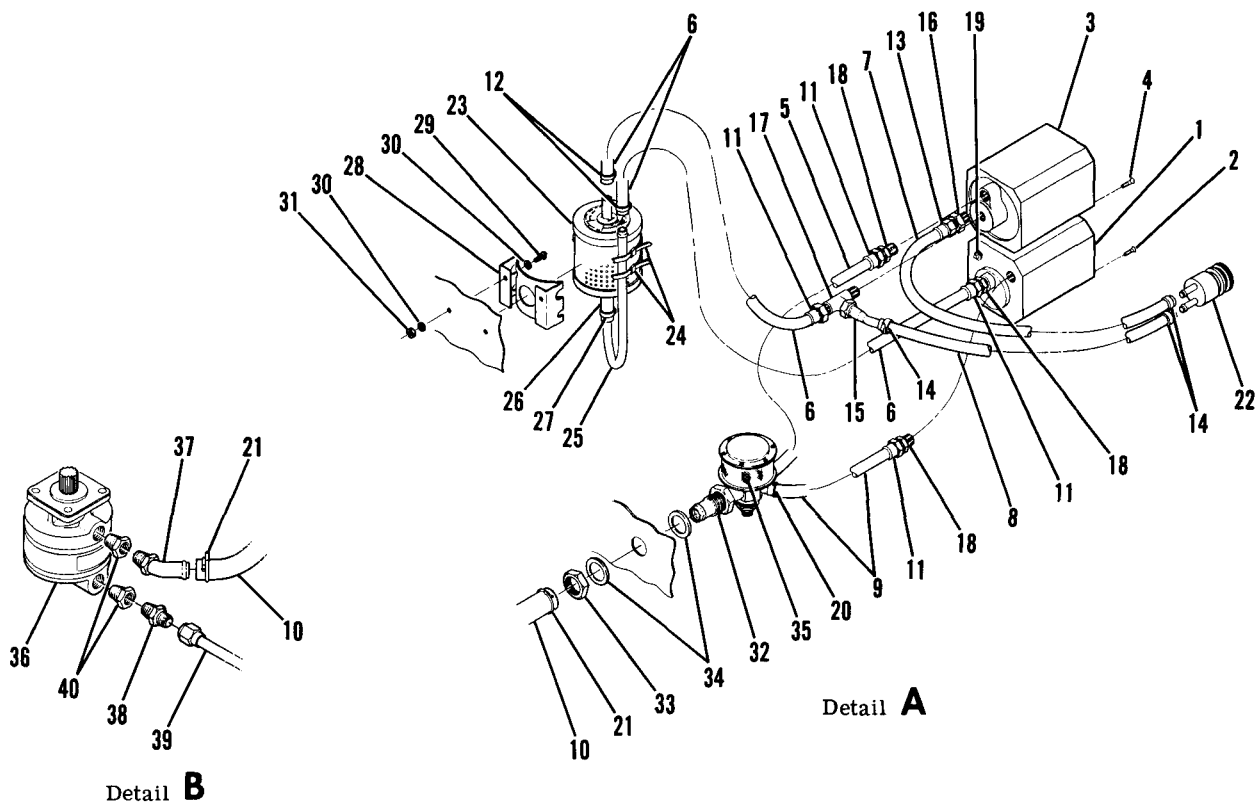
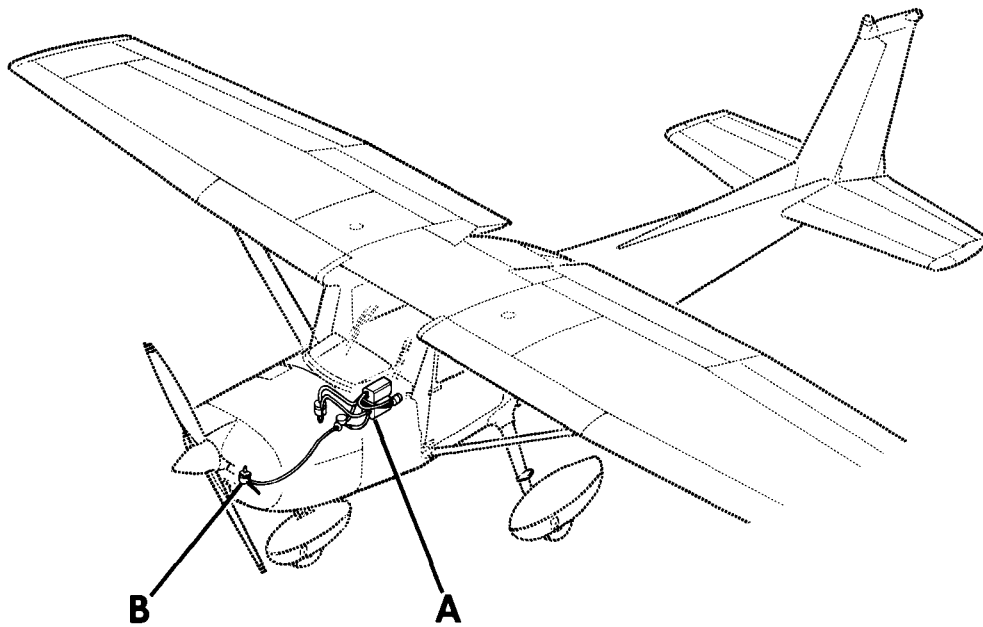
FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
79 -		VACUUM SYSTEM INSTALLATION	NP	M
- 1	C661002-0501 *	INDICATOR-DIRECTIONAL GYRO WEU C661002-0505	1	A
	C661002-0505 *	INDICATOR-DIRECTIONAL GYRO WEU C661075-0104	1	B
	C661002-0503 *	INDICATOR-DIRECTIONAL GYRO WEU C661002-0506	1	A
	C661002-0506 *	INDICATOR-DIRECTIONAL GYRO WEU C661075-0103	1	B
	C661075-0103 *	INDICATOR-DIRECTIONAL GYRO	1	H
	C661002-0301 *	INDICATOR-DIRECTIONAL GYRO WEU C661075-0104	1	G
	C661075-0104 *	INDICATOR-DIRECTIONAL GYRO	1	H
	C661002-0504 *	INDICATOR-DIRECTIONAL GYRO WEU C661075-0101	1	G
	C661075-0101 *	INDICATOR-DIRECTIONAL GYRO	1	H
	C661075-0106 *	INDICATOR-DIRECTIONAL GYRO	1	J
	C661075-0105	INDICATOR-DIRECTIONAL GYRO WITH HEADING REFERENCE BUG	1	C
	AN515B6R8	ATTACHING PARTS		
		SCREW	4	
- 2	C661001-0501 %	INDICATOR-GYRO HORIZON WEU C661001-0505	1	A
	C661001-0505 %	INDICATOR-GYRO HORIZON WEU C661076-0101,-0102 OR -0103	1	B
	C661001-0503 %	INDICATOR-GYRO HORIZON WEU C661076-0102	1	G
	C661076-0102 %	INDICATOR-GYRO HORIZON	1	H
	C661001-0502 %	INDICATOR-GYRO HORIZON WEU C661076-0101	1	G
	C661076-0101 %	INDICATOR-GYRO HORIZON	1	H
	C661001-0504 %	INDICATOR-GYRO HORIZON WEU C661076-0103	1	G
	C661076-0103 %	INDICATOR-GYRO HORIZON	1	H
	C661076-0105 %	INDICATOR-GYRO HORIZON	1	J
	AN515B6R6	ATTACHING PARTS		
		SCREW	4	
- 3	S1495-6	HOSE-11.50 IN LG BULK ITEM REF S1499-6L-11.50	1	
- 4	S1495-6 #	HORIZON GYRO TO RELIEF VALVE		
	S1495-6	HOSE-21.00 IN LG BULK ITEM REF S1499-6LL-21.00	2	K
		GYROS TO AIR FILTER		
	S1495-6	HOSE-19.25 IN LG BKI REF S1499-6L-19.25	1	L
		GYROS TO AIR FILTER		
- 5	S1495-4	HOSE-36.00 IN LG BULK ITEM REF S1499-4JJ-36.00	1	
		HORIZON GYRO TO P SIDE OF SUCTION GAGE		
- 6	S1495-4	HOSE-32.00 IN LG BULK ITEM REF S1691-1-32.00	1	
		HORIZON GYRO TO V SIDE OF SUCTION GAGE		
- 7	S1495-6 #	HOSE-11.50 IN LG BULK ITEM REF S1499-6L-11.50	1	
		DIRECTIONAL GYRO TO RELIEF VALVE		
- 8	S1495-10	HOSE-33.75 IN LG BULK ITEM REF S1495-10-33.75	1	
		RELIEF VALVE TO VACUUM PUMP		
- 9	S1497-6	FITTING-SOCKETLESS	4	
- 9A	S1497-6	FITTING-SOCKETLESS	2	K
- 9B	S1693-1	STA STRAP	2	L
- 10	S1497-4	FITTING-SOCKETLESS	3	
- 11	NAS397-8	CLAMP	1	
- 12	1713039-1	ELBOW ASSEMBLY	1	
- 13	AN816-4D	NIPPLE	3	
- 14	MS20826-6D	TEE	1	
- 15	AN816-6D	NIPPLE	3	
- 16	MS20913-1D	PLUG-PIPE	1	
	MS20913-2D	PLUG-PIPE USED WITH C661001-0502	1	
- 17	S1494-10	CLAMP	2	
- 18	S1494-14	CLAMP	2	
- 19	S1414N1	GAGE-SUCTION WEU C668540-0101	1	G
	S1414-1	GAGE-SUCTION ALTERNATE WEU C668540-0101	1	G
	C668540-0101	GAGE-SUCTION	1	H
		ATTACHING PARTS		
- 20	AN515B6R12	SCREW	4	
	AN936A6	WASHER USED WITH S1414-1	4	G
	AN340B6	NUT USED WITH S1414-1	4	G
- 21	C294501-0101	AIR FILTER ASSEMBLY-VACUUM	1	K
		ATTACHING PARTS		
- 22	AN520-10R10	SCREW	2	K
- 23	AN960PD10	WASHER	2	K
- 24	MS21045L3	NUT	2	K
- 25	C294501-0103	FILTER ELEMENT-VACUUM AIR	1	K
- 26	P2274	NUT-WING DCI	1	K

CONTINUED ON NEXT PAGE

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
79 -27	C294502-0101	AIR FILTER ASSY ----- ATTACHING PARTS -----	1	L
-28	S1693-3	STA STRAP ----- -----*	2	L
-29	0713533-1	U TUBE-VACUUM FILTER -----	1	L
-30	S1495-6	HOSE-2.0 IN LG BKT ----- ATTACHING PARTS -----	1	L
-30A	S1693-1	STA STRAP ----- -----*	2	L
-31	0513448-1	BRACKET-AIR FILTER ----- ATTACHING PARTS -----	1	L
-32	AN520-10R10	SCREW -----	2	L
-33	AN960PD10L	WASHER -----	4	L
-34	MS21045L3	NUT ----- -----*	2	L
-35	C482001-0301	VALVE-VACUUM RELIEF WEU C482001-0401 ----- ATTACHING PARTS -----	1	E
-36	AN515-8R8	SCREW -----	2	E
-37	MS21045L08	NUT ----- -----*	2	E
-37A	C482001-0202	FILTER ELEMENT -----	1	E
-38	C482001-0401 **	VALVE-VACUUM RELIEF ----- ATTACHING PARTS -----	1	F
-39	AN924-10D	NUT -----	1	F
-40	S1450-14A20-016	WASHER ----- -----*	2	F
-40A	C482001-0202	FILTER ELEMENT -----	1	F
-41	C431003-0103	PUMP-VACUUM -----	1	
	C431002-0102	PUMP-VACUUM ALTERNATE -----	1	
	C431003-0301 %	PUMP-VACUUM ALTERNATE -----	1	D
-42	S1861-6	ELBOW -----	1	
-43	AN816-6-6D	NIPPLE -----	1	
-44	0400311-88	TUBE -----	1	
-45	AN912-4D	BUSHING USED WITH C431003-0301 PUMP ONLY -----	2	D
NOTE. *THESE GYROS ARE PHYSICALLY & FUNCTIONALLY INTERCHANGEABLE. NOTE. %THESE GYROS ARE PHYSICALLY & FUNCTIONALLY INTERCHANGEABLE. NOTE. #WHEN ORDERING THIS PART FOR AIRCRAFT EQUIPPED WITH BRITITIAN WING LEVELER SEE FIG 68. NOTE. **WHEN ORDERING THIS PART FOR AIRCRAFT ORIGINALLY EQUIPPED WITH C482001-0301 VALVE ALSO ORDER ONE AN924-10D NUT & TWO S1450-14A20-016 WASHERS. NOTE. %%WHEN C431003-0301 PUMP IS SUPPLIED AS A SPARE FOR C431002-0102 OR C431003-0103 PUMP, TWO AN912-4D BUSHINGS & ONE 0452019-1 SNUBBER BKT MUST ALSO BE ORDERED. THIS PUMP IS NOT USED ON 1970 MODELS. A---150 SERIAL 15071129 THRU 15071784 F150 SERIAL F15000530 THRU F15000658 A150 SERIAL A1500001 THRU A1500164 FA150 SERIAL FA1500001 THRU FA1500081 B---150 SERIAL 15071785 THRU 15072628 F150 SERIAL F15000659 THRU F15001013 A150 SERIAL A1500165 THRU A1500276 FA150 SERIAL FA1500082 THRU FA1500211 C---150 SERIAL 15073450 THRU 15077005 F150 SERIAL F15000819 THRU F15001248 A150 SERIAL A1500334 THRU A1500609 FA150 SERIAL FA1500162 THRU FA1500281 D---150 SERIAL 15072004 THRU 15077005 F150 SERIAL F15000659 THRU F15001248 A150 SERIAL A1500277 THRU A1500609 FA150 SERIAL FA1500082 THRU FA1500281				
CONTINUED ON NEXT PAGE				

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
79 -		1 2 3 4 5 6 7 E---150 SERIAL 15071129 THRU 15072489 F150 SERIAL F15000530 THRU F15000756 A150 SERIAL A1500001 THRU A1500260 FA150 SERIAL FA1500001 THRU FA1500121 F---150 SERIAL 15072490 THRU 15077005 F150 SERIAL F15000757 THRU F15001248 A150 SERIAL A1500261 THRU A1500609 FA150 SERIAL FA1500122 THRU FA1500281 G---150 SERIAL 15071129 THRU 15072628 F150 SERIAL F15000530 THRU F15001013 A150 SERIAL A1500001 THRU A1500276 FA150 SERIAL FA1500001 THRU FA1500211 H---150 SERIAL 15072629 THRU 15077005 F150 SERIAL F15001014 THRU F15001248 A150 SERIAL A1500277 THRU A1500609 FA150 SERIAL FA1500212 THRU FA1500281 J---150 SERIAL 15071129 THRU 15077005 A150 SERIAL A1500001 THRU A1500609 K---150 SERIAL 15071129 THRU 15075523 A150 SERIAL A1500001 THRU A1500478 F150 SERIAL F15000530 THRU F15001189 FA150 SERIAL FA1500001 THRU FA1500271 L---150 SERIAL 15075524 THRU 15077005 F150 SERIAL F15001190 THRU F15001248 A150 SERIAL A1500479 THRU A1500609 FA150 SERIAL FA1500272 THRU FA1500281 M---150 SERIAL 15071129 THRU 15077005 F150 SERIAL F15000530 THRU F15001248 A150 SERIAL A1500001 THRU A1500609 FA150 SERIAL FA1500001 THRU FA1500281		

Vacuum System (Cont)



150 SERIAL 15077006 & ON
 F150 SERIAL F15001249 & ON
 A150 SERIAL A1500610 & ON
 FA150 SERIAL FA1500282 & ON

Figure 79A. Vacuum System Installation