



Figure 29. Engine Controls Installation
 (PA-24-180 and PA-24-250 Serial Nos. 24-1 and up)
 (PA-24-260 Serial Nos. 24-3642, 24-4000 to 24-4782, 24-4784 to 24-4803 inclusive)

REVISED: APRIL 1977

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
29-	21193 21618		DRAWING - Engine Controls Installation "180" DRAWING - Engine Controls Installation "180"		24-1 to 24-102 inclusive 24-103 to 24-2174 inclusive, 24-2176 to 24-2298 inclusive
	22414 21672		DRAWING - Engine Controls Installation "180" DRAWING - Engine Controls Installation "250"		24-2175, 24-2299 and up 24-105 to 24-2174 inclusive, 24-2176 to 24-2298 inclusive
	22415 24925		DRAWING - Engine Controls Installation "250" DRAWING - Engine Controls Installation "260"		24-2175, 24-2299 and up 24-3642, 24-4000 to 24-4246 incl., 24-4248 to 24-4299 inclusive
	25582		DRAWING - Engine Controls Installation "260"		24-4247, 24-4300 and up
-1	22105-03		GASKET - Firewall seal	1	24-4247, 24-4300 and up
-2	18875-08		KNOB - Controls, red	1	
-3	41481-16 16775-00 23177-00	B	CONTROL ASSEMBLY - Mixture CONTROL ASSEMBLY - Mixture CONTROL ASSEMBLY - Mixture	1 1 1	24-1 to 24-1329 inclusive 24-1330 to 24-2969 inclusive 24-2970 and up
-4	22105-04		GASKET - Firewall seal	1	24-2202 and up
-5	22105-05		GASKET - Firewall seal	1	24-2202 and up
-6	22104-03		GROMMET - Firewall seal	2	24-4247, 24-4300 and up
-7	21249-06		DISC - Firewall seal, forward	1	
-8	21249-12		DISC - Firewall seal, aft	1	
-9	455 181		CONTROL ASSEMBLY - Prop governor, "180" (3V700-1075-58-58-1/4) 58-1/4"	1	24-1 to 24-2174 inclusive 24-2176 to 24-2298 inclusive
	455 236 455 184		CONTROL ASSEMBLY - Prop governor, "180" (40611-2-42) 42" CONTROL ASSEMBLY - Prop governor, "250" (3V700-1075-83) 83"	1 1	24-2175, 24-2299 and up
	22633-02		CONTROL ASSEMBLY - Prop governor, "250" & "260" (40611-1-68-3/8) 68-3/8"	1	24-105 to 24-2174 inclusive, 24-2176 to 24-2298 inclusive
-10	22498-00		DISC - Firewall seal, aft	1	24-2175, 24-2299 and up
-11	22498-00		DISC - Firewall seal, aft	1	
-12	18875-07		KNOB - Throttle control, black	1	
-13	11789-00		BUSHING - Knob insert	1	
-14	455 182 455 185		CONTROL ASSEMBLY - Throttle (3D-638-1183-1) CONTROL ASSEMBLY - Throttle (38507000) "180" & "250"	1 1	24-1 to 24-102 inclusive
	455 185 455 299		CONTROL ASSEMBLY - Throttle (3-D-638-1183-2) "260" CONTROL ASSEMBLY - Throttle (26341-00) "260"	1 1	24-103 and up 24-3642, 24-4000 to 24-4381 incl.
-15	455 177		CONTROL ASSEMBLY - Carburetor heat (F21020-65)	1	24-4382 and up
-16	70371-03		STUD - Swivel	2	
-17	70371-02		FITTING - Swivel	1	
-18	85012-14		WASHER	1	
-19	18132-00 18132-02		LUG - "180" LUG - "250" & "260"	1 1	
-20	18219-00 18219-02		CLAMP - "250" & "260" CLAMP - "250" & "260"	2 2	
-21	21192-00		BRACKET ASSEMBLY - Prop control support "180" (used with Woodward Governor)	1	
	22475-00		BRACKET ASSEMBLY - Prop control support "180" (used with Hartzell Governor)	1	

A - Used on PA-24-180 and PA-24-250 with serial nos. 24-1 and up, PA-24-260 with serial nos. 24-3642, 24-4000 to 24-4782, 24-4784 to 24-4803 incl.
B - See Figure 24D or 24E if fuel injection is installed.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
29-22	554 757	E	CLEVIS - (MS35812-1) "180" & "250"	1	
	19987-00	D	JOINT - Ball (469 137) "180" & "250"	1	
	31747-00		JOINT - Ball (469 141) "260"	1	
-23	21177-00		BRACKET ASSEMBLY - Carburetor heat control	1	
-24	21189-00		BRACKET ASSEMBLY - Engine control bracket	1	
-25	418 430	V	SCREW - Cap (MS35291-15)	2	
-26	91193-00		FITTING - Swivel	1	
-27	14843-73		BUSHING	1	
-28	21249-02	C	DISC - Firewall seal, forward	1	
	21249-03	B	DISC - Firewall seal, forward	1	
-29	21249-08	C	DISC - Firewall seal, aft	1	
	21249-09	B	DISC - Firewall seal, aft	1	
-30	21249-05	C	DISC - Firewall seal, forward	1	
	21249-04	B	DISC - Firewall seal, forward	1	
-31	21249-11	C	DISC - Firewall seal, aft	1	
	21249-10	B	DISC - Firewall seal, aft	1	
-32	81262-83		LINK - Cable support "180"	1	24-103 and up
	81262-83		LINK - Cable support "250"	1	24-105 to 24-1329 inclusive
-33	21625-00		SPRING - Cable support "180" (8-13/16")	1	24-103 to 24-2174 inclusive, 24-2176 to 24-2298 inclusive
	83302-32		SPRING - Cable support "180" (3-11/16")	1	24-2175, 24-2299 and up
	83302-32		SPRING - Cable support "250" (3-11/16")	1	24-105 to 24-1329 inclusive
-34	21624-00		CLAMP - Cable support "180"	1	24-103 and up
	21624-02		CLAMP - Cable support "250"	1	24-105 to 24-1329 inclusive
-35	22103-02		PLATE - Firewall seal grommet	4	24-2202 and up
-36	22104-05		GROMMET - Firewall seal	2	24-2202 and up
	22104-11	F	GROMMET - Firewall seal	2	
-37	22104-07		GROMMET - Firewall seal	2	24-2202 and up
-38	60054-16		LINK - Control cable support "260"	1	24-3642, 24-4000 to 24-4286 incl., 24-4288 to 24-4299 inclusive
-39	80002-54		CLAMP - Control cable support link "260"	1	24-3642, 24-4000 to 24-4286 incl., 24-4288 to 24-4299 inclusive
-40	18219-02		CLAMP - "180"	1	
-41	55447-02	G	RETAINER - Ball joint	1	

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