

PIPER PARTS CATALOG

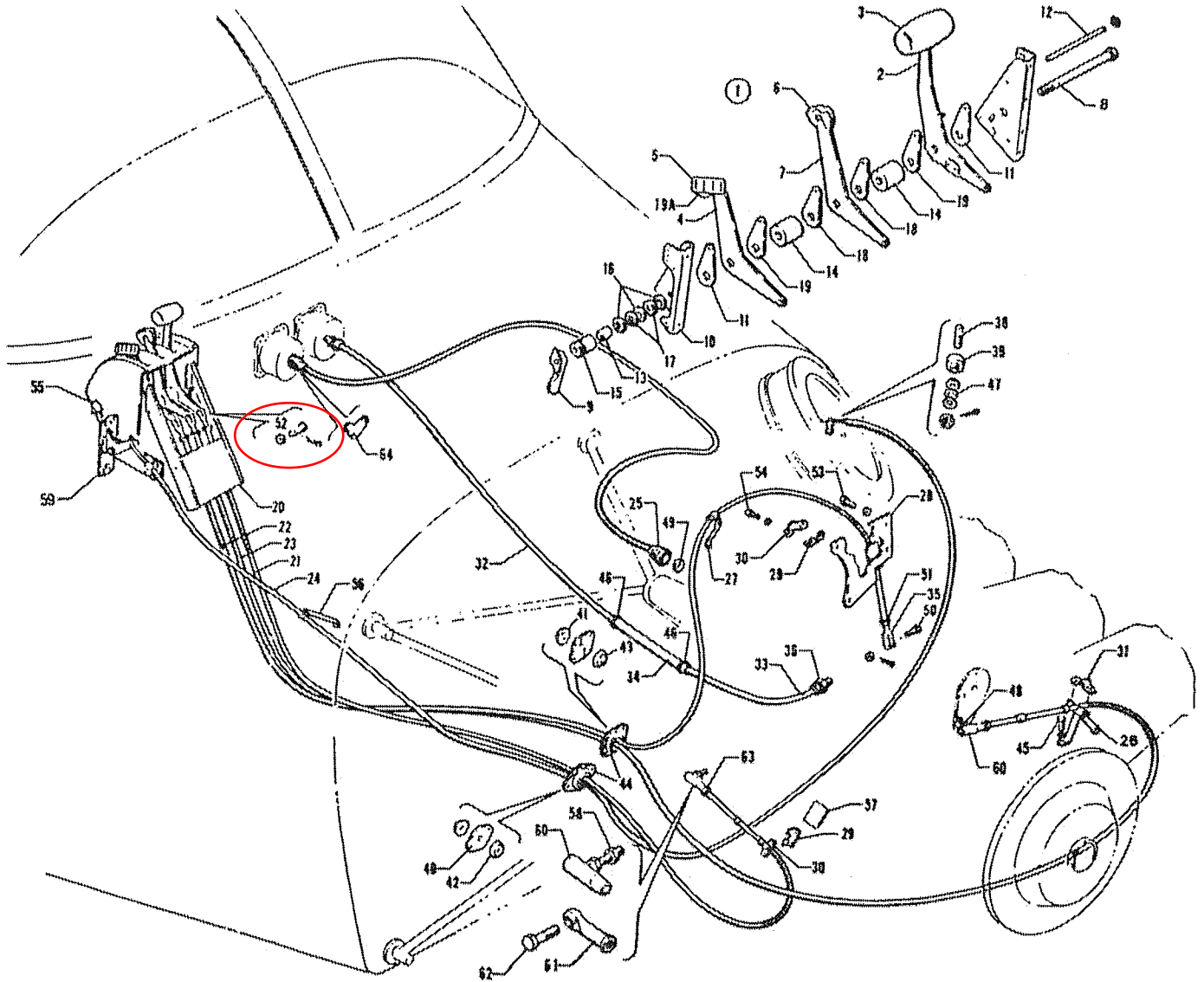


Figure 80. Engine Controls Installation
(Serial Nos. 32-40566 and up)

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
80-	69469		DRAWING - Engine Controls Installation		
-1	69320-00		QUADRANT ASSEMBLY - Control	1	32-40566 to 32-7440182
	69320-02		QUADRANT ASSEMBLY - Control	1	32-7540001 and up
-2	67223-00		* LEVER ASSEMBLY - Throttle	1	
-3	67212-00		** KNOB - Throttle lever	1	
-4	67214-00		* LEVER - Mixture control	1	32-40566 to 32-7440182 incl.
	79349-00		* LEVER - Mixture control	1	32-7540001 and up
-5	24048-00		* KNOB - Mixture control (571 044)	1	
-6	24047-00		* KNOB - Propeller control (571 043)	1	
-7	69485-00		* LEVER - Propeller control	1	
-8	418 461		* SCREW - Cap (MS35291-46)	1	
-9	24358-00		* HANDLE ASSEMBLY - Quadrant adjusting	1	
-10	67215-00		* BRACKET ASSEMBLY - Quadrant, left	1	
	67216-00		* BRACKET ASSEMBLY - Quadrant, right	1	
-11	67218-00		* PLATE - Quadrant, friction	2	
-12	69319-00		* PIN - Friction plate	1	
-13	62714-04		* BEARING - Spacer	1	
-14	68699-08		* SPACER - Quadrant	2	32-40566 to 32-40615 inclusive
	68699-14		* SPACER - Quadrant	2	32-40616 and up
-15	24357-00		* NUT - Quadrant adjusting	1	
-16	407 566		* WASHER - (AN960-516)	3	
-17	408 815		* WASHER - (3502-18-04)	2	
-18	67218-00		* PLATE - Quadrant, friction	2	32-40566 to 32-40615 inclusive
	62833-50		* WASHER	2	32-40616 and up
-19	67218-00		* PLATE - Quadrant, friction	2	32-40566 to 32-40615 inclusive
	67218-02		* PLATE - Quadrant, friction	2	32-40616 and up
-19a	79473-00		* PLATE - Mixture control	1	32-7540001 and up
-20	69324-00		MOUNT ASSEMBLY - Cockpit engine controls	1	32-40566 to 32-40850 inclusive
	69324-02		MOUNT ASSEMBLY - Cockpit engine controls	1	32-40851 and up
-21	455 358		CONTROL CABLE ASSEMBLY - Throttle (PS50146-13-13)	1	
-22	455 357	C	CONTROL CABLE ASSEMBLY - Mixture (PS50146-13-16)	1	
-23	455 356		CONTROL CABLE ASSEMBLY - Propeller pitch (PS50146-13-19)	1	
-24	554 051		CONTROL CABLE ASSEMBLY - Alternate air (PS50146-4-8)	1	
-25	763 916	A	KIT - Engine tachometer shaft relocation	1	32-40566 to 32-7940145, 32-7940147 to 32-7940279 incl. 32-7940146, 32-7940280 - up
	454 312		SHAFT - Tachometer (PS5044-28)	1	
-26	69546-00		BRACKET ASSEMBLY - Propeller pitch control	1	
-27	63944-00		BRACKET - Mixture control	1	
-28	69452-00		BRACKET ASSEMBLY - Mixture control cable	1	
-29	69011-00		BRACKET - Control cable support	2	
-30	69012-00		CLAMP - Control cable attachment	2	
-31	18219-02		CLAMP - Propeller pitch cable	1	
-32	67700-48		TUBE ASSEMBLY - Manifold pressure	1	
-33	68005-00		TUBE ASSEMBLY - Manifold pressure	1	
-34	69015-08		HOSE - Manifold pressure	1	
-35	554 757		CLEVIS - Control cable (MS35812-1)	1	
-36	460 685		CONNECTOR - (W/H 200 x 4)	1	
-37	488 327		TERMINAL - Clevis (AN665-21R)	3	
-38	70371-03		STUD - Alternate air	1	
-39	70371-02		FITTING - Swivel, alternate air	1	
-40	68771-08		GASKET - Firewall seal, engine side	1	
-41	68771-10		GASKET - Firewall seal, engine side	1	
-42	68770-06		GROMMET - Firewall seal	2	
-43	68770-12		GROMMET - Firewall seal	2	
-44	66789-00		PLATE - Firewall seal	4	

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
80 -45	418 420		SCREW - Cap (1/4-20NC3 x 1/2" L)	1	
	407 044		WASHER - Lock (MS35338-44)	1	
-46	454 983		CLAMP - (SAE 8) Type "E"	2	
-47	404 100		NUT - (AN310-3)	1	
	424 051		COTTER PIN - (MS24665-132)	1	
	407 584		WASHER - (AN960-10L) Under nut	1	
	407 565		WASHER - (AN960-416) Under nut	1	
	407 585		WASHER - (AN960-416L) Under nut	1	
-48	404 887		NUT - (MS20365-1032C)	1	
	407 564		WASHER - (AN960-10)	2	
-49	85012-14		WASHER - Tachometer shaft	1	
-50	400 674		BOLT - (AN23-12)	1	
	404 100		NUT - (AN310-3)	1	
	424 051		COTTER PIN - (MS24665-132)	1	
-51	404 224		NUT - (AN315-3R)	5	
	407 043		WASHER - (MS35338-43)	5	
-52	524 145		PIN - (MS20392-2C11)	3	
	407 584		WASHER - (AN960-10L)	3	
	424 050		COTTER PIN - (AN380-2-1)	3	
-53	400 438		BOLT - (AN3-4A)	2	
	407 584		WASHER - (AN960-10L)	2	
-54	418 650		SCREW - Cap (MS24678-11)	2	
	407 564		WASHER - (AN960-10)	2	
	404 887		NUT - (MS20365-1032C)	2	
-55	22287-00		KNOB - Alternate air control	1	32-40566 to 32-40850 inclusive
	66980-00		KNOB - Alternate air control	1	32-40851 and up
-56	69308-00		ARM - Alternate air cable	1	
-57	69434-00		BRACKET - Adapter, control cable	1	
-58	404 887		NUT - (MS20365-1032C)	1	
-59	66855-00		CONTROL ASSEMBLY - Alternate air	1	32-40566 to 32-7540198 incl.
	66855-04		CONTROL ASSEMBLY - Alternate air	1	32-76400001 and up
-60	31747-00	D	JOINT ASSEMBLY - Ball, spring type (469-141)	2	
-61	452 606	E	BEARING - Rod end, throttle control (PS10020-16-2)	1	
-62	400 055	E	BOLT - (AN3-10)	1	32-40566 to 32-7440122 incl.
	400 056		BOLT - (AN3-11)	1	32-7440123 to 32-7540198 incl.
	401 269		BOLT - (AN3-10A)	1	32-7640001 and up
	63900-78		BUSHING	1	32-40566 to 32-7540198 incl.
	62833-101		WASHER	1	
	407 584		WASHER - (AN960-10)	1	32-40566 to 32-7540198 incl.
	407 584	E	WASHER - (AN960-10)	3	32-7640001 and up
	404 100		NUT - (AN310-3)	1	32-40566 to 32-7540198 incl.
	404 887	E	NUT - (MS20365-1032C)	1	32-7640001 and up
	424 051		COTTER PIN - (MS24665-132)	1	32-40566 to 32-7540198 incl.
-63	404 224		NUT - (AN315-3R)	1	
	407 044		WASHER - (MS35338-44)	1	
-64	551 986	B	ANGLE DRIVE - (ES407010)	1	32-7640098 to 32-7940145 incl. 32-7940147 to 32-7940279 incl.

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