

152 & A152 Parts Catalog

Engine

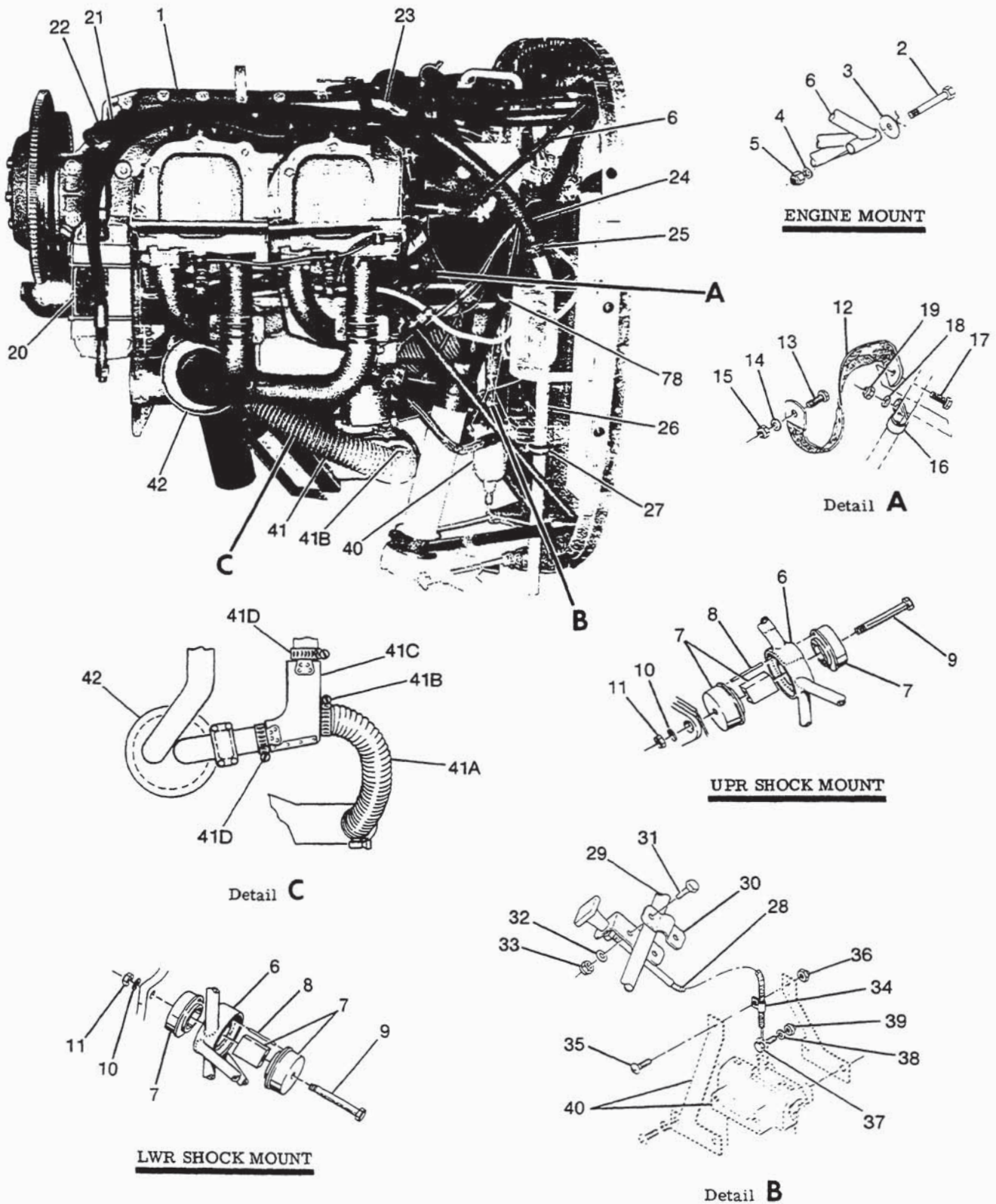


Figure 62. (Sheet 1 of 2) Engine Installation

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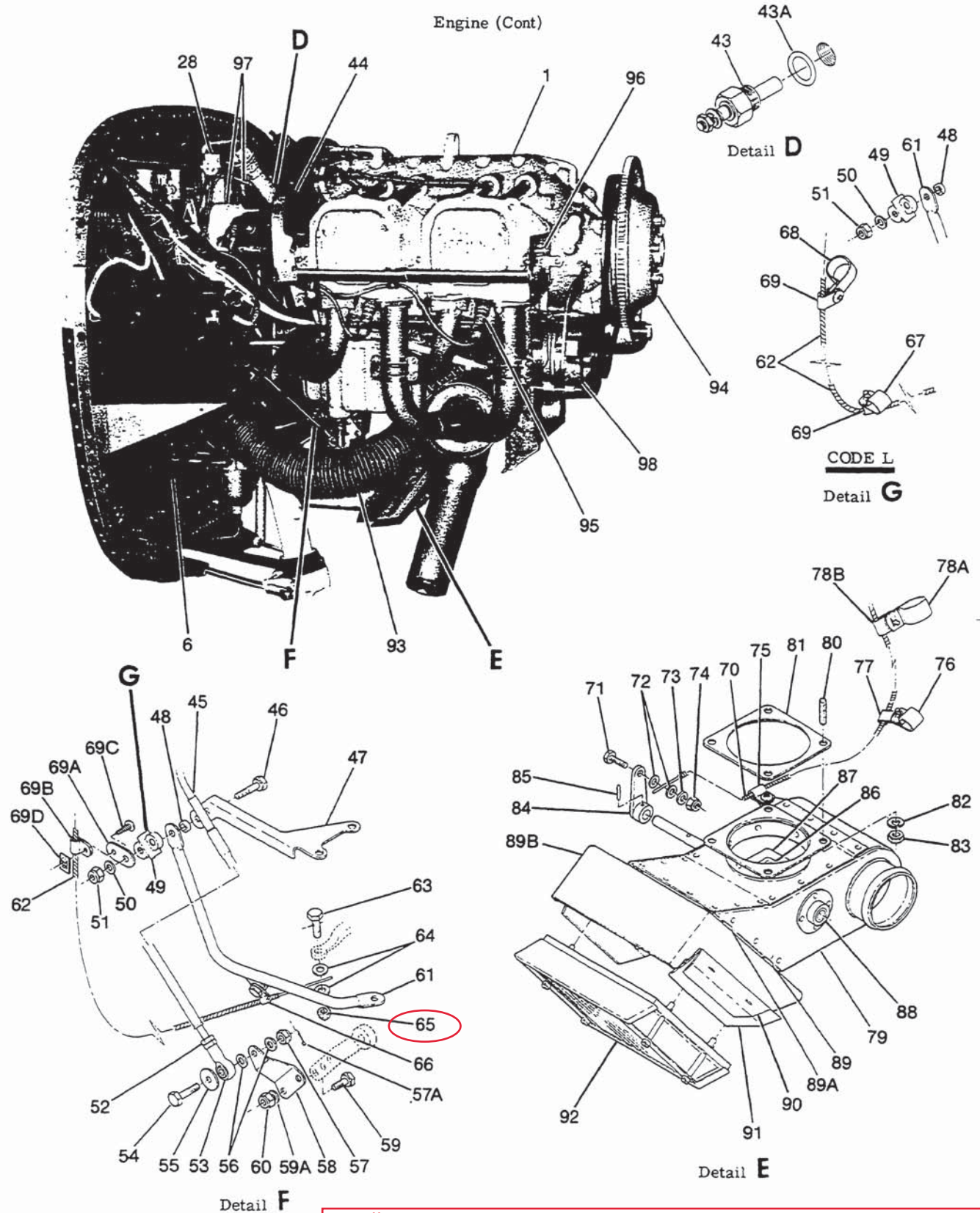


Figure 62. (Sheet 2 of 2) Engine Installation

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FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
62 -		ENGINE INSTALLATION -----	1	
- 1	0-235L2C	ENGINE ASSY LY -----	1	
	0-235N2C	ENGINE ASSY LY -----	1	U
		ATTACHING PARTS -----		V
- 2	AN6-25A	BOLT UPPER -----	2	
	AN6-23A	BOLT LOWER -----	2	
- 3	S1450-6-18-063	WASHER -----	4	
- 4	AN960-616	WASHER -----	4	
- 5	MS20365-624C	NUT -----	4	
- 6	0451003-36	MOUNT ASSY-ENGINE -----	1	
- 7	J7402-1	KIT-ENGINE MOUNT LY -----	4	
- 8	MS16562-39	PIN -----	4	
- 9	AN7-34A	BOLT -----	4	
-10	AN960-716	WASHER -----	4	
-11	MS20365-720C	NUT -----	4	
		-----*		
-12	0412007-8	STRAP-ENGINE GROUND -----	1	
		ATTACHING PARTS -----		
-13	AN4-6A	BOLT -----	1	
-14	AN960-416	WASHER -----	2	
-15	MS20365-428C	NUT -----	1	
-16	AN742D8	CLAMP -----	1	
-17	AN3-4A	BOLT -----	1	
-18	AN960-10	WASHER -----	2	
-19	MS20365-1032C	NUT -----	1	
		-----*		
-20	SEE FIG 63A	OIL COOLER INSTALLATION-ENGINE -----	1	
-21	S1495-12	HOSE-3.00 IN LG BKI -----	1	
		ATTACHING PARTS -----		
-22	S1494-16	CLAMP -----	2	
		-----*		
-23	0400343-12	OIL BREATHER LINE-UPPER -----	1	
-24	S1495-12	HOSE-11.50 IN LG BKI -----	1	
		ATTACHING PARTS -----		
-25	S1494-16	CLAMP -----	2	
		-----*		
-26	0400343-13	OIL BREATHER LINE-LOWER -----	1	
		ATTACHING PARTS -----		
-27	AN742D12	CLAMP -----	1	
	AN742D7	CLAMP -----	1	
	AN520-10R8	SCREW -----	1	
	AN960-10	WASHER -----	1	
	MS20365-1032C	NUT -----	1	
		-----*		
-28	S1517-14	CONTROL ASSY-FUEL STRAINER DRAIN -----	1	
		ATTACHING PARTS -----		
-29	0416002-1	BRACKET-FUEL STRAINER DRAIN CONTROL -----	1	
-30	0416002-2	CLAMP-FUEL STRAINER DRAIN CONTROL -----	1	
-31	AN3-6A	BOLT -----	2	
-32	AN960-10	WASHER -----	2	
-33	MS21045L3	NUT -----	2	
	MS9025-02	CLAMP ATTACH CONTROL TO FIREWALL -----	1	
	S1021Z8-8	SCREW ATTACH CONTROL TO FIREWALL -----	1	
	NAS446-4-3	NUT ATTACH CONTROL TO FIREWALL -----	1	
-34	AN742D3	CLAMP -----	1	
-35	AN520-10R8	SCREW -----	1	
-36	MS20364-1032C	NUT -----	1	
-37	S2323-3	CLAMP -----	1	
-38	AN960-416	WASHER -----	1	
-39	MS20365-428C	NUT -----	1	
-40	SEE FIG 81	FUEL SYSTEM INSTL -----	1	
		CONTINUED ON NEXT PAGE		

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FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
62 -41	S1053K16T	HOSE-CARB HEAT 13.0 IN LG BKI -----	1	F
-41A	S1053K16T	HOSE-CARB HEAT 17.0 IN LG BKI -----	1	G
-41B	S1891-32	ATTACHING PARTS		
		CLAMP -----	2	
		-----*		
-41C	0454013-1	SHROUD ASSY-CARB HEAT WEU 0454022-1 -----	1	N
	0454022-1	SHROUD ASSY-CARB HEAT WEU 0454022-5 -----	1	P
	0454022-5	SHROUD ASSY-CARB HEAT -----	1	T
		ATTACHING PARTS		
-41D	AN737TW58	CLAMP -----	2	G
		-----*		
-42	SEE FIG 64 & 65	EXHAUST SYSTEM ASSY -----	1	F
	SEE FIG 64A	EXHAUST SYSTEM ASSY -----	1	O
	SEE FIG 64B	EXHAUST SYSTEM ASSY -----	1	R
-43		SENDING UNIT-OIL TEMP STEWART-WARNER -----	NP	
	S2335-1	SENDING UNIT-OIL TEMP ROCHESTER -----	1	
-43A	AN900-10	GASKET-OIL TEMP SENDING UNIT -----	1	
-44	MS35489-19	GROMMET ONE ON UPR LH & ONE ON UPR RH BAFFLES -----	2	
-45	9863053-12	CONTROL-THROTTLE WEU 9863053-20 -----	1	C
	9863053-20	CONTROL-THROTTLE -----	1	C
	9863055-1	CONTROL-THROTTLE WEU 9863056-1 -----	1	D
	9863056-1	CONTROL-THROTTLE -----	1	E
		ATTACHING PARTS		
-46	AN3-7A	BOLT -----	2	
-47	0456010-1	BRACKET-THROTTLE CONTROL -----	1	
-48	NAS43HT3-9	SPACER -----	1	
-49	S351	CLAMP -----	1	
-50	AN960-10	WASHER -----	2	
-51	MS20365-1032C	NUT -----	2	
-52	AN315-3R	NUT -----	1	
-53	S1104-3	ROD END -----	1	
-54	AN3-6	BOLT -----	1	
-55	S1450-3-14-032	WASHER -----	1	
-56	AN960-10	WASHER -----	2	
-57	AN310-3	NUT -----	1	
-57A	MS24665-132	COTTER PIN -----	1	
		-----*		
-58	0456009-1	ADAPTOR-THROTTLE -----	1	
		ATTACHING PARTS		
-59	AN3-3A	BOLT -----	2	
-59A	AN960-10L	WASHER -----	2	
-60	MS20364-1032C	NUT -----	2	
		-----*		
-61	0456008-5	SUPPORT ASSY-MIXTURE CONTROL -----	1	
-62	9862010-3	CONTROL-MIXTURE -----	1	
		ATTACHING PARTS		
-63	S2323-13	CLAMP -----	1	
-64	AN960-416	WASHER -----	2	
-65	MS21042L4	NUT -----	1	
-66	AN742D3	CLAMP -----	1	
	AN3-4A	BOLT -----	1	
	AN960-10	WASHER -----	1	
	MS20365-1032C	NUT -----	1	
-67	S1485D8U	CLAMP -----	1	
	S1021Z8-12	SCREW -----	1	
-68	S1485D12U	CLAMP -----	1	
	S1021Z10-12	SCREW -----	1	
-69	AN742D3	CLAMP -----	2	
-69A	S2300-1	BRACKET -----	1	
-69B	AN742D3	CLAMP -----	1	
-69C	S1021Z8-10	SCREW -----	1	
-69D	NAS446-4-1	NUT -----	1	
		-----*		

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FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
62 -70	S1230-19 S1230-20	CONTROL-CARBURETOR HEAT ----- CONTROL-CARBURETOR HEAT -----	1 1	J K
		ATTACHING PARTS		
-71	S2323-5	CLAMP -----	1	
-72	AN960-10L	WASHER -----	2	
-73	AN960-10	WASHER -----	1	
-74	MS20365-1032C	NUT -----	1	
-75	AN742D3	CLAMP -----	1	
	AN3-3A	BOLT -----	1	
	AN960-10	WASHER -----	1	
	MS20365-1032C	NUT -----	1	
-76	S1485D8U	CLAMP -----	1	
-77	AN742D3	CLAMP -----	1	
	S1021Z8-12	SCREW -----	1	
-78	S1485DG12U	CLAMP -----	1	J
	AN742D3	CLAMP -----	1	J
	S1021Z10-12	SCREW -----	1	J
-78A	S1485D12U	CLAMP -----	1	K
-78B	AN742D3	CLAMP -----	1	K
	S1021Z10-12	SCREW -----	1	K
		-----*		
-79	0450052-1	AIRBOX ASSY-CARBURETOR WEU 0450052-2 -----	1	A
	0450052-2	AIRBOX ASSY-CARBURETOR WEU 0450052-3 -----	1	B
	0450052-3	AIRBOX ASSY-CARBURETOR -----	1	H
		ATTACHING PARTS		
-80	0550198-1	STUD -----	4	
-81	21323	GASKET-CARBURETOR AIRBOX CM -----	1	
-82	AN936A416	WASHER -----	4	
-83	AN315-4R	NUT -----	4	
		-----*		
-84	S2280-8-00	ARM ASSY -----	1	
		ATTACHING PARTS		
-85	MS16562-17	ROLL PIN -----	1	
		-----*		
-86	0450070-5	VALVE ASSY-BUTTERFLY -----	1	
-87	0450070-4	SEAL-BUTTERFLY -----	1	
-88	0750113-1	HOUSING ASSY -----	2	
-89	S1853-3	RECEPTACLE -----	2	
-89A	S1853-1	RECEPTACLE -----	2	
-89B	0450066-5	SEAL ASSY-AIRBOX -----	1	
-90	0450066-6	SEAL-AIR FILTER -----	2	
-91	0450066-7	STIFFENER-SEAL LH -----	1	
	0450066-8	STIFFENER-SEAL RH -----	1	
-92	C294510-0201	FILTER ASSY-CARBURETOR AIR -----	1	
-93	S1053K24	HOSE-CABIN HEAT 17.0 IN LG BKI -----	1	
		ATTACHING PARTS		
	S1891-48	CLAMP -----	2	
		-----*		
-94	SEE FIG 60	PROPELLER & SPINNER INSTL -----	1	
-95	SEE FIG 63	ENGINE COMPONENTS -----	AR	
-96	SEE FIG 66	ENGINE BAFFLES INSTL -----	1	
-97	SEE FIG 84	OIL SYSTEM INSTL -----	1	
-98	SEE FIG 86	ALTERNATOR INSTL -----	1	
NOTE. @ WHEN INITIALLY REPLACING THIS PART, ORDER SK152-23.				
NOTE. * THIS PART HAS BEEN INSTALLED AS AN ALTERNATE OR HAS BEEN INSTALLED ON AIRPLANES THAT HAVE INCORPORATED SK152-23.				
A---152 SERIAL 15279406 THRU 15280679 F152 SERIAL F15201429 THRU F15201498 A152 SERIAL A1520735 THRU A1520765 FA152 SERIAL FA1520337 THRU FA1520346				
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FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
62 -		B---152 SERIAL 15280680 THRU 15283734 F152 SERIAL F15201499 THRU F15201683 A152 SERIAL A1520766 THRU A1520885 FA152 SERIAL FA1520347 THRU FA1520357 C---152 SERIAL 15279406 THRU 15282031 F152 SERIAL F15201429 THRU F15201528 A152 SERIAL A1520735 THRU A1520808 FA152 SERIAL FA1520337 THRU FA1520347 D---152 SERIAL 15282032 THRU 15283243 F152 SERIAL F15201529 THRU F15201633 A152 SERIAL A1520809 THRU A1520859 FA152 SERIAL FA1520348 THRU FA1520356 E---152 SERIAL 15283244 & ON F152 SERIAL F15201634 & ON A152 SERIAL A1520860 & ON FA152 SERIAL FA1520357 & ON F---152 SERIAL 15279406 THRU 15283591 F152 SERIAL F15201429 THRU F15201683 A152 SERIAL A1520735 THRU A1520878 FA152 SERIAL FA1520337 THRU FA1520357 G---152 SERIAL 15283592 & ON F152 SERIAL F15201674 & ON A152 SERIAL A1520879 & ON FA152 SERIAL FA1520358 & ON H---152 SERIAL 15283735 & ON F152 SERIAL F15201684 & ON A152 SERIAL A1520886 & ON FA152 SERIAL FA1520358 & ON J---152 SERIAL 15279406 THRU 15283833 F152 SERIAL F15201429 THRU F15201723 A152 SERIAL A1520735 THRU A1520898 FA152 SERIAL FA1520337 THRU FA1520372 K---152 SERIAL 15283834 & ON F152 SERIAL F15201724 & ON A152 SERIAL A1520899 & ON FA152 SERIAL FA1520373 & ON L---152 SERIAL 15279406 THRU 15283859 F152 SERIAL F15201429 THRU F15201828 A152 SERIAL A1520735 THRU A1520901 FA152 SERIAL FA1520337 THRU FA1520392 M---152 SERIAL 15283860 & ON F152 SERIAL F15201829 & ON A152 SERIAL A1520902 & ON FA152 SERIAL FA1520393 & ON N---152 SERIAL 15283592 THRU 15284898 F152 SERIAL F15201674 THRU F15201893 A152 SERIAL A1520879 THRU A1520970 FA152 SERIAL FA1520358 THRU FA1520377 P---152 SERIAL 15284899 THRU 15285405 F152 SERIAL F15201894 THRU F15201899 A152 SERIAL A1520971 THRU A1520998 FA152 SERIAL FA1520378 THRU FA1520379 Q---152 SERIAL 15283592 THRU 15285091 F152 SERIAL F15201674 THRU F15201893 A152 SERIAL A1520879 THRU A1520975 FA152 SERIAL FA1520358 THRU FA1520377 R---152 SERIAL 15285092 & ON F152 SERIAL F15201894 & ON A152 SERIAL A1520976 & ON FA152 SERIAL FA1520378 & ON S---152 SERIAL 15285075 & ON A152 SERIAL A1520976 & ON T---152 SERIAL 15285406 & ON F152 SERIAL F15201900 & ON A152 SERIAL A1520999 & ON FA152 SERIAL FA1520380 & ON U---152 SERIAL 15279406 THRU 15285594 F152 SERIAL F15201429 THRU F15201928 A152 SERIAL A1520735 THRU A1521014 FA152 SERIAL FA1520337 THRU FA1520382 V---152 SERIAL 15285595 & ON F152 SERIAL F15201929 & ON A152 SERIAL A1521015 & ON FA152 SERIAL FA1520383 & ON								

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FIGURE AND INDEX NO.	PART NUMBER		DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
			1	2	3	4	5	6	7		
63 -		*	ENGINE COMPONENTS & ASSOCIATED ACCESSORIES -----							NP	
- 1	21323		GASKET-CARBURETOR AIR INTAKE TO CARBURETOR CM -----							1	
- 2	C294510-0201		FILTER-CARBURETOR AIR -----							1	
- 3	LW-15496		CARBURETOR ASSY LY MARVEL-SCHEBLER 10-5199 -----							NP	
			FSO LW-16907 -----								
	LW-16073	**	CARBURETOR ASSY LY MARVEL-SCHEBLER 10-5220 -----							NP	
			FSO LW-16907 -----								
	LW-16677	**	CARBURETOR ASSY LY MARVEL-SCHEBLER 10-5257 -----							NP	
			FSO LW-16907 -----								
	LW-16907	**	CARBURETOR ASSY LY MARVEL-SCHEBLER 10-5267 -----							1	
- 4	60592		GASKET-CARBURETOR TO ENGINE LY -----							1	
- 5	LW-15483		STARTER 24V LY PRESTOLITE MHB-4015 -----							1	C
	LW-16207		STARTER 24V LY -----							1	D
- 6	C611503-0102		ALTERNATOR-60AMP 28V -----							1	
- 7	C611004-0101		VOLTAGE REGULATOR 24V -----							1	A
	C611002-0105		VOLTAGE REGULATOR 24V ALTERNATE -----							1	B
	C611005-0101		ALTERNATOR CONTROL UNIT -----							1	B
	C611005-0102		ALTERNATOR CONTROL UNIT ALTERNATE -----							1	A
- 8	LW-16364		MAGNETO-RH SLICK MODEL 4150 LY REPLACES MODEL 4050 ----							1	
			WEU LW-15636 SEE NOTE % -----								
	LW-15636	%	MAGNETO-RH SLICK MODEL 4250 LY -----							1	A
			REPLACES MODELS 4050 & 4150 -----								
	LW-16370		MAGNETO-RH SLICK MODEL 4181 LY REPLACES MODEL 4081 ----							1	E
			WEU LW-16595 SEE NOTE % -----								
	LW-16595	%	MAGNETO-RH SLICK MODEL 4281 LY -----							1	G
			REPLACES MODELS 4081 & 4181 -----								
- 9	LW-16370		MAGNETO-LH SLICK MODEL 4181 LY REPLACES MODEL 4081 ----							1	F
			WEU LW-16595 SEE NOTE % -----								
	LW-16595	%	MAGNETO-LH SLICK MODEL 4281 LY -----							1	G
			REPLACES MODELS 4081 & 4181 -----								
-10	77743		HARNESS ASSY-IGNITION RH LY -----							1	
-11	77745		HARNESS ASSY-IGNITION LH LY -----							1	
-12	REM38E		SPARK PLUG-18M CHAMPION -----							AR	
	SR86		SPARK PLUG-18M AC -----							AR	
	REM40E		SPARK PLUG CHAMPION -----							AR	
	REM37BY		SPARK PLUG EXTENDED ELECTRODE CHAMPION -----							AR	
NOTE. *THIS FIGURE IS NOT ILLUSTRATED. THIS LISTING IS COMPILED TO PROVIDE PART NUMBERS OF COMMONLY USED ENGINE COMPONENTS AND ASSOCIATED ACCESSORIES. RELATIONSHIP OF THESE PARTS TO ENGINE OR AIRCRAFT ASSEMBLIES IS NOT INDICATED BY INDENTATION. INDEX NUMBERS ARE PROVIDED FOR LOCATION OF LINE ON WHICH THE PART NUMBER APPEARS. FOR ENGINE COMPONENTS NOT LISTED ON THIS FIGURE REFER TO LYCOMING PARTS CATALOG. NOTE. **THIS CARBURETOR HAS AN ACCELERATOR PUMP. NOTE. %WHEN INITIALLY ORDERING THESE MAGNETOS FOR AIRCRAFT SERIALS 15279406 THRU 15282031, F15201429 THRU F15201528, A1520735 THRU A1520808, FA1520337 THRU FA1520346, A SHORTING BAR MUST BE INSTALLED ON IGNITION SWITCH. REFER TO SERVICE LETTER SE80-20.											
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