

SECTION
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Figure 6-2. Carburetor

SÉ

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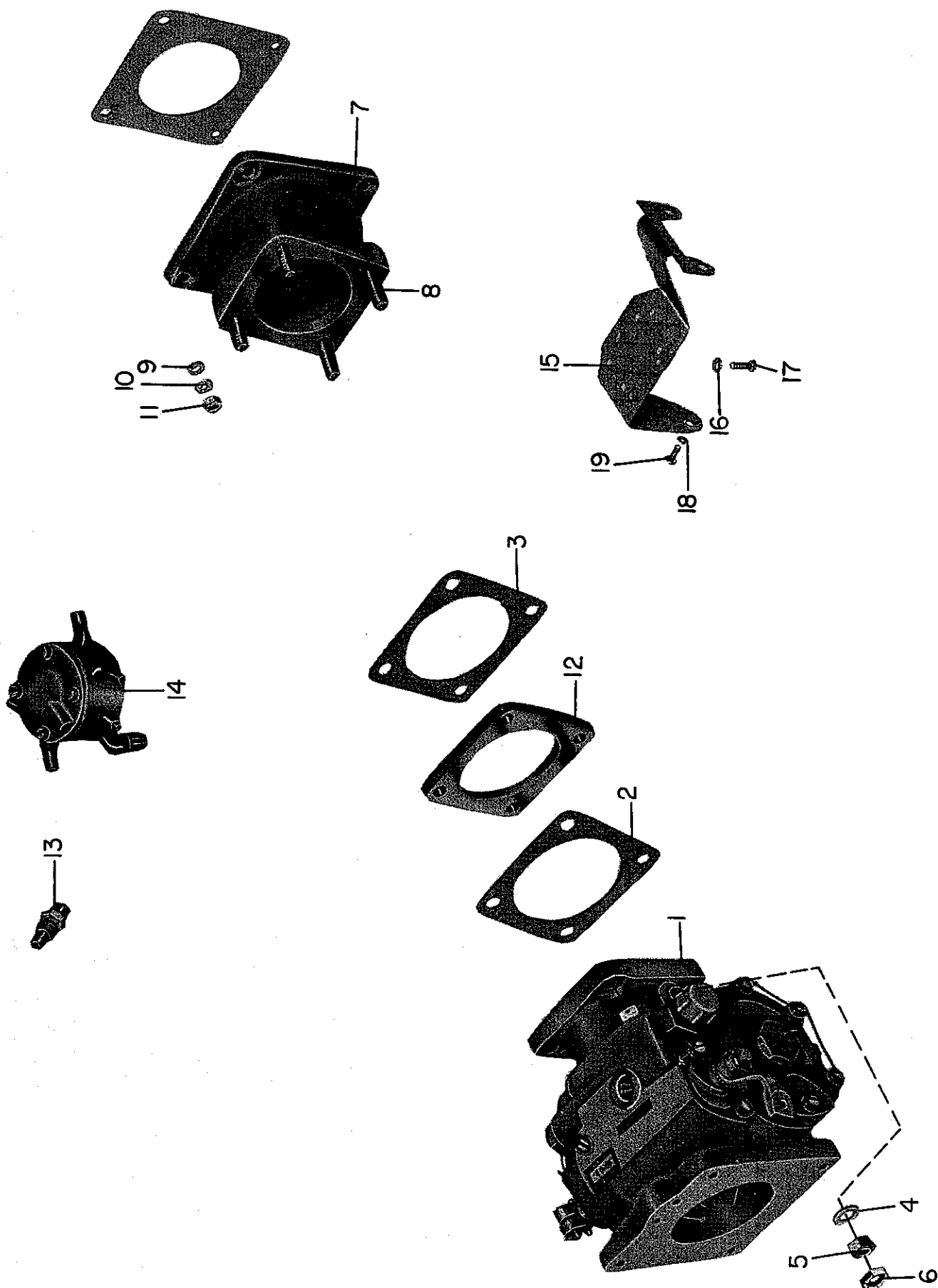


Figure 6-3. Fuel Injector

FUEL INJECTION TUBES

QUANTITY PER ASSEMBLY

SECTION

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P.F.	PART NUMBER	DESCRIPTION	O-320 SERIES																						
			O-320 SERIES												LIO-320										
			A2A	A2B	A3A	A3B	A3C	B2A	B2B	B3A	B3B	B3C	D2A	D2B	D3A	D3B	E2A	E2B	E2C	E2D	B1A	B1C	C1A	C1B	
	73963	TUBE ASSY., Fuel manifold to nozzle, cyls. no. 1 and 3																				2	2	2	2
	73796	TUBE ASSY., Fuel manifold to nozzle, cyls. no. 2 and 4																				2	2	2	2
	MS21919F12	CLIP, 3/4 ID for 3/16 in. dia. screw																				4	4	4	4
	73650	CLIP, 1/4 ID for 1/4 dia. screw																				4	4	4	4
	STD-860	SCREW, No. 10-32 x 5/8 in. long																				4	4	4	4
	STD-425	WASHER, No. 10 plain																				4	4	4	4
	STD-670	NUT, No. 10-32 self-locking																				4	4	4	4
	74732	HOSE ASSY., Fuel pump to injector																				1			
	74586	HOSE ASSY., Fuel pump to injector																				1			
	75251	HOSE ASSY., Fuel pump to injector																					1		
	74543	HOSE ASSY., Fuel pump to injector																					1		
	76517	HOSE ASSY., Fuel pump to injector																					1		
	75252	ELBOW, 1/4 tubing, 9/16-18 adjustable 90° (fuel pump outlet)																				1		1	1
	MS29512-6	SEAL, Oil, 5/64 dia. x 15/32 in. ID																				1		1	1
	AN822-4-4	ELBOW, 1/4 tubing, 1/4 NPT, 90° (fuel pump outlet)																						1	
	AN919-6	REDUCER, 1/4 tubing - 3/8 tubing, (fuel pump outlet)																					1		
	MS29512-6	SEAL, Oil, 5/64 dia. x 15/32 in. ID																				1		1	1
	73152	BRACKET, Support clamp																					1	1	1
	73971	CLAMP, 1/2 in. ID for 1/4 dia. screw																				1	1	1	1
	STD-860	SCREW, No. 10-32 x 5/8 in. long																				1	1	1	1
	STD-425	WASHER, No. 10 plain																				1	1	1	1
	STD-670	NUT, No. 10-32 self-locking																				1	1	1	1
	STD-460	SCREW, 1/4-20 x 3/4 in. long																					1	1	1
	STD-8	WASHER, 1/4 plain																					1	1	1
	STD-160	WASHER, 1/4 lock																					1	1	1
	STD-1411	NUT, 1/4-20 plain																					1	1	1
	74532	HOSE ASSY., Injector to manifold																				1	1	1	1
	73970	HOSE ASSY., Injector to manifold																				1	1	1	1
	73974	HOSE ASSY., Injector to manifold																				1	1	1	1
	73136	BRACKET, Extension (prevents interference of injector to manifold hose with sump and crankcase, attached to 73971 clamp)																				1	1	1	1

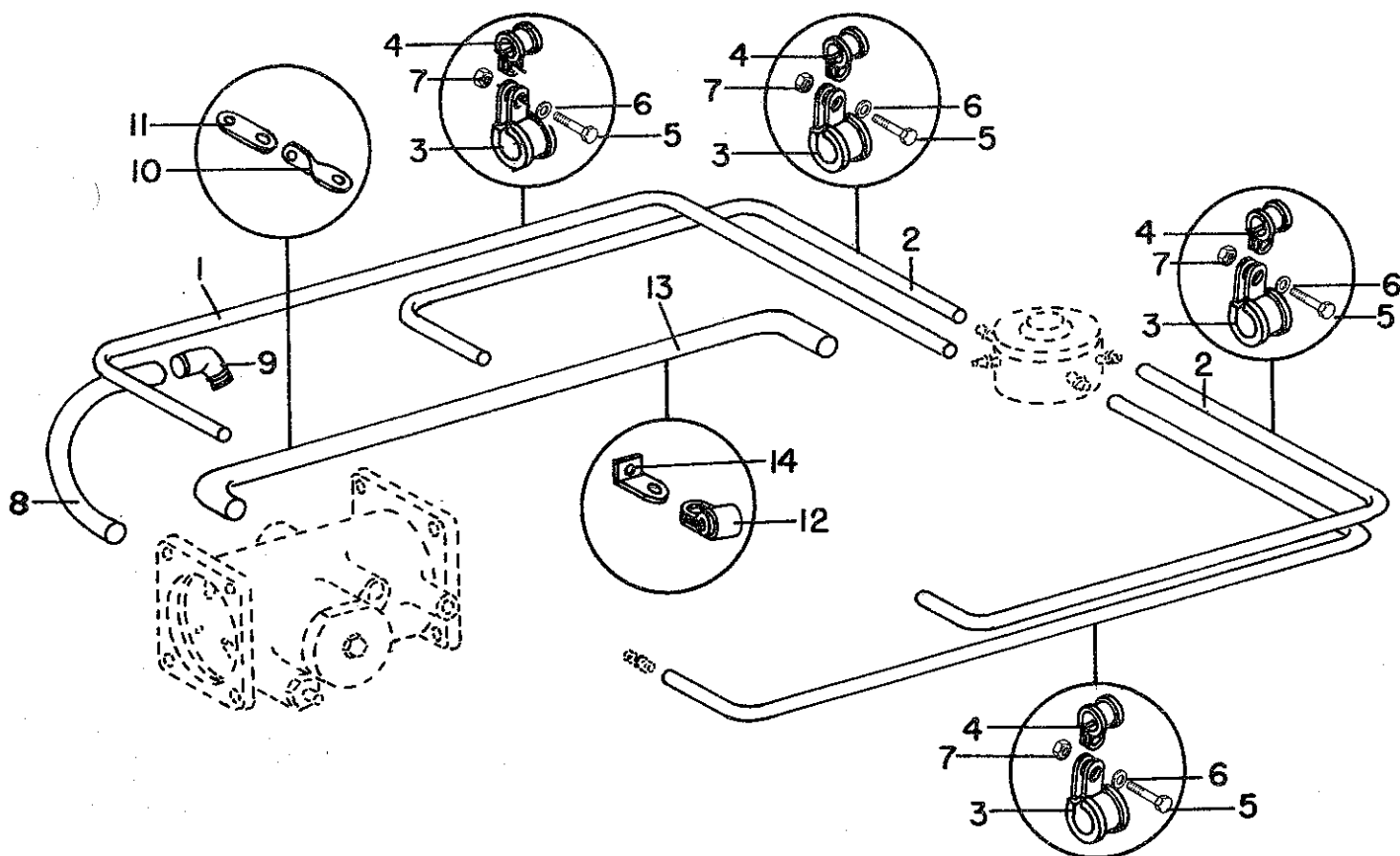


Figure 6-4. Fuel Injection Tubes

PRIMING SYSTEM

SECTION
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			PRIMING SYSTEM																								SECTION								
REF.	PART NUMBER	DESCRIPTION	QUANTITY PER ASSEMBLY																																
			O-320 SERIES												10-320				L10-320																
			A2A	A2B	A2C	A3A	A3B	A3C	B2A	B2B	B2C	B3A	B3B	B3C	D2A	D2B	D2C	E2A	E2B	E2C			B7A	B7C	C7A	D7A	E7A			B7A	C7A				
1	61581-9	TUBE ASSY., Primer, 16-11/16 in. long, cyls. no. 1 and 2	2	2	2	2	2				2	2	2		2	2	2	2	2	2				2	2	2	2	2			2	2			
2	61581-2	TUBE ASSY., Primer, 11-11/16 in. long, cyls. no. 3 and 4	2	2	2	2	2				2	2	2		2	2	2	2	2	2	2				2	2	2	2	2			2	2		
3	61581-3	TUBE ASSY., Primer, 10-5/16 in. long, intermediate - STD	2	2	2	2	2				2	2	2																						
3	61581-3	TUBE ASSY., Primer, 10-5/16 in. long, intermediate - WCF			1						1	1				1				1	1	1													
4	62254	CLIP, 3/16 ID, for 1/4 dia. screw	4	4	4	4	4				4	4	4		4	4	4	4	4	4	4	4			4	4	4	4	4			4	4		
5	71909	CLAMP, 1-1/2 ID with 1/4 in. dia. off-set	4	4	4	4	4				4	4	4																						
5	71910	CLAMP, 1-3/4 ID with 1/4 in. dia. off-set														4				4	4	4													
6	STD-553	SCREW, No. 6-32 x 1/2 in. long	4	4	4	4	4				4	4	4		4	4	4	4	4	4	4	4			4	4	4	4	4			4	4		
7	AN365-632C	NUT, No. 6-32, self-locking	4	4	4	4	4				4	4	4		4	4	4	4	4	4	4	4			4	4	4	4	4			4	4		
8	STD-853	TEE, Union, 1/8 in. tube	3	3	3	3	3				3	3	3		3	3	3	3	3	3	3	3			3	3	3	3	3			3	3		
9	74225	NIPPLE ASSY., Primer	4	4	4	4	4				4	4	4		4	4	4	4	4	4	4	4			4	4	4	4	4			4	4		
	STD-1102	PLUG, 1/8-27 NPT, Allen (assembled in cylinder heads on engines not equipped with priming system)									4	4			4																				

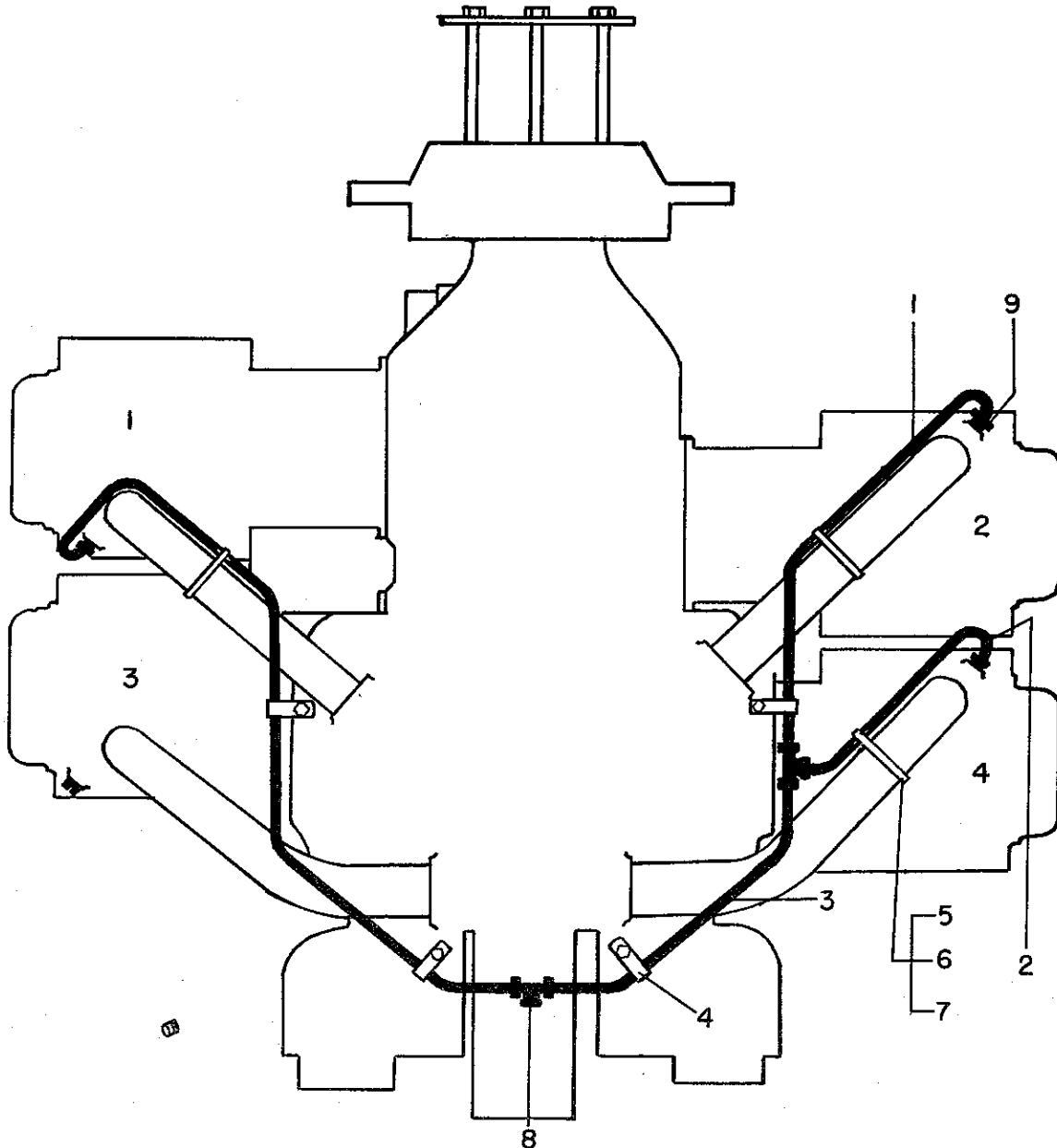


Figure 6-5. Priming System

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

AVCO LYCOMING PARTS CATALOG

O-320, IO-320 AND LIO-320 SERIES

SECTION 7

**COOLING BAFFLES, EXHAUST, OIL GAGE
AND PROP GOVERNOR OIL LINE**

INTERCYLINDER COOLING BAFFLES

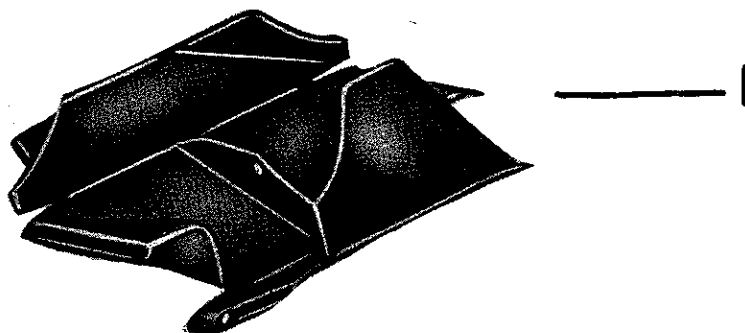
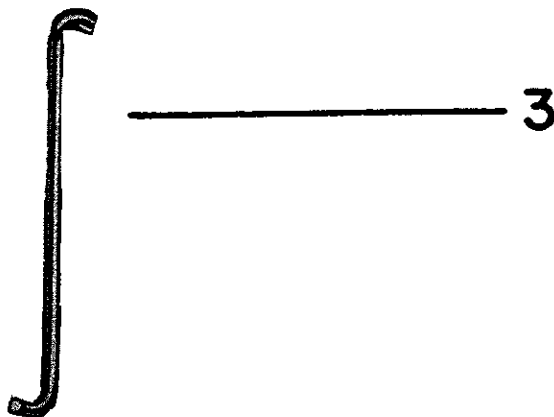
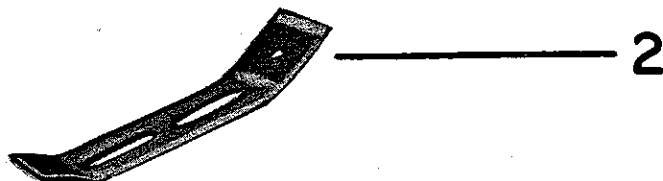
QUANTITY PER ASSEMBLY

SECTION

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F.	PART NUMBER	DESCRIPTION	O-320 SERIES																					
			IO-320												LIO-320									
			A2A	A2B	A2C	A3A	A3B	A3C	B2A	B2B	B2C	B3A	B3B	B3C	D2A	D2B	D2C	E2A	E2B	E2C	E2D	B1A	B1C	C1A
	72150	BAFFLE ASSY., Intercylinder - STD	2	2	2	2	2	2																
	72153	BAFFLE ASSY., Intercylinder - STD							2	2	2	2	2	2	2	2	2		2	2				
	72569	BAFFLE ASSY., Intercylinder - WCF		2		2	2			2		2	2	2	2	2		2	2	2	2			
	71611	RETAINER, Intercylinder baffle	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	71610	HOOK, Intercylinder baffle retainer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			



**O-540-A,B,E SERIES, FIA5
MODELS**

Figure 7-1. Intercylinder Cooling Baffles

EXHAUST FLANGE AND GASKET

SECTION

QUANTITY PER ASSEMBLY

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			EXHAUST FLANGE AND GASKET																								SECTION						
REF.	PART NUMBER	DESCRIPTION	QUANTITY PER ASSEMBLY																								PAGE 7-2						
			O-320 SERIES												10-320				L10-320														
			A2A	A2B	A2C	A3A	A3B	A3C	B2A	B2B	B2C	B3A	B3B	B3C	D2A	D2B	D2C	E2A	E2B	E2C	F2A	F2B	F2C	G2A	G2B	G2C		H2A	H2B	H2C			
1	65321	GASKET, Exhaust flange - STD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
1	65321	GASKET, Exhaust flange - WCF				4	4	4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
2	61260	FLANGE, Exhaust, stainless - STD	4	4	4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
2	61260	FLANGE, Exhaust, stainless - WCF				4	4	4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
3	STD-35	WASHER, 5/16 plain	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
4	STD-475	WASHER, 5/16 lock	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
5	STD-1410	NUT, 5/16-18 plain	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	



Figure 7-2. Exhaust Flange and Gasket

OIL LEVEL GAGES

QUANTITY PER ASSEMBLY

SECTION

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O-320 SERIES

10-320

L10-320

PART NUMBER	DESCRIPTION																								
		A2A	A2B	A2C	A3A	A3B	A3C	B2A	B2B	B2C	B3A	B3B	B3C	D2A	D2B	D2C	E2A	E2B	E2C	E2D	B1A	B1C	C1A	D1A	E1A
75735	TUBE, Oil level gage, short - STD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
75735	TUBE, Oil level gage, short - WCF																								
75736	TUBE, Oil level gage, long - STD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
75736	TUBE, Oil level gage, long - WCF																								
75767	TUBE, Oil level gage, intermediate - STD	1																							
75767	TUBE, Oil level gage, intermediate - WCF																								
77526	TUBE, Oil level gage, 8 inch																								
78626	TUBE ASSY., Oil level gage, 15. 13 inches long																								
74068	RING, Oil level gage (use with tube 75735 or 75736)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
74065	RING, Oil level gage (use with tube 75767 or 78626)	1	1																						
72312	RING, Oil level gage (use with tube 77526)																								
62281	GAGE ASSY., Oil level (use with tube 75735)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
69116	GAGE ASSY., Oil level (use with tube 75736)	1	1																						
72312	GAGE ASSY., Oil level (use with tube 75767)	1	1																						
74523	GAGE ASSY., Oil level (use with tube 77526)																								
78616	GAGE ASSY., Oil level (use with tube 78626)																								
71551	GAGE ASSY., Oil level																								
74068	RING, Oil level gage																								
72842	PLUG, Oil level gage (for gage 62281, 69116 or 71551)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
STD-406	DOWEL, .19 dia. x 1/2 in. long (for gage 74523)																								
74217	RING, Plug, oil level gage, (for gage 74523)																								
74524	RING, Oil gage bushing seal, (for gage 74523)																								
74314	PLUG, Oil level gage																								

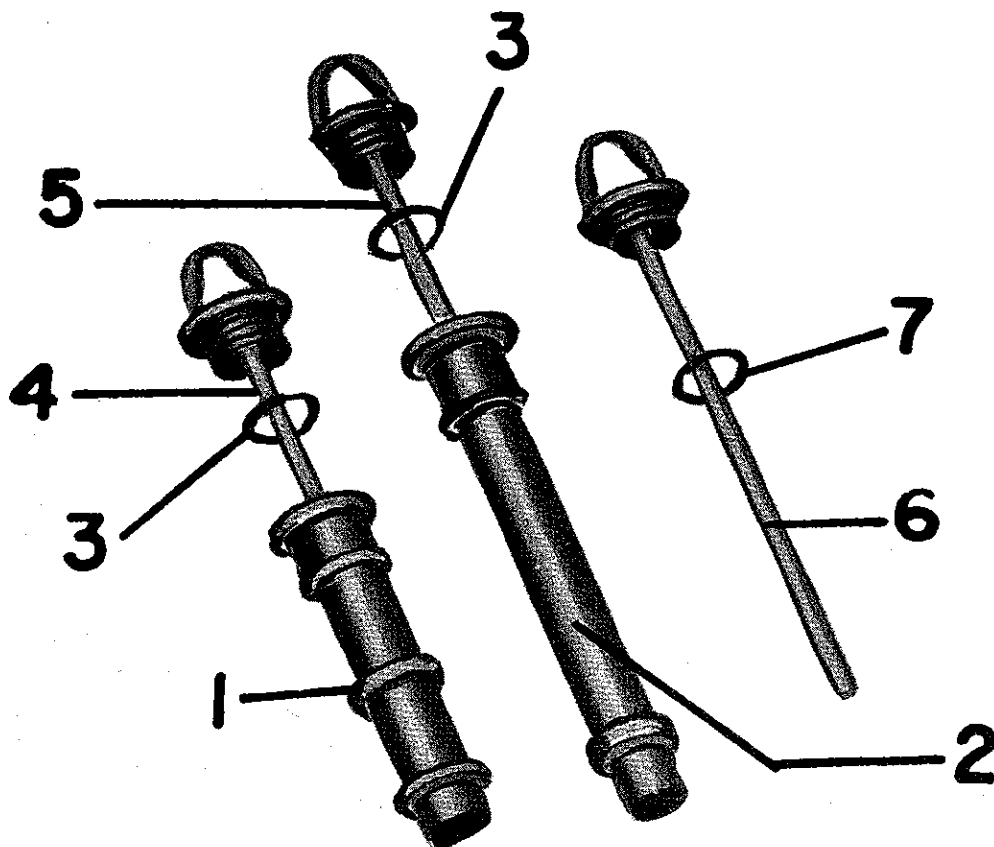


Figure 7-3. Oil Level Gages

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			PROP. GOVERNOR OIL LINE																				SECTION 7				
			QUANTITY PER ASSEMBLY																				PAGE 7-4				
			O-320 SERIES										10-320					L10-320									
REF.	PART NUMBER	DESCRIPTION	A2A	A2B	A2C	A3A	A3B	A3C	B2A	B2B	B2C	B3B	B3C	D1A	D2A	D2B	D2C	E1A	E2A	E2B	E2C	E2D	B1A	B1C	C1A	C1B	C1C
1	68532	TUBE ASSY., Prop. governor oil line - STD		1	1			1	1	1				1	1	1	1		1								
1	71011	TUBE ASSY., Prop. governor oil line, (colonial installation) - STD						1																			
1	71622	TUBE ASSY., Prop. governor oil line - STD																									
	STD-8	WASHER, 1/4 plain - STD		1	1			1	1	1				1	1	1	1		1								
2	68804	CLIP, 5/16 ID, for 1/4 dia. screw - STD	2	2				2	2	2				2	2	2	2		2								
2	71621	CLIP, 3/8 ID, for 1/4 dia. screw - STD																									
3	75167*	TUBE ASSY., Prop. governor oil line - WCF																									
3	75166**	TUBE ASSY., Prop. governor oil line - WCF							1	1				1					1		1			1	1	1	1
3	75730+	TUBE ASSY., Prop. governor oil line - WCF														1											
4	STD-1930	HOSE, 3/8 ID x 1.00 in. long - WCF							1	1					1				1		1				1	1	1
5	75165	CLIP, Oil line support - WCF							1	1					1				1		1				1	1	1
6	71621	CLIP, 3/8 ID for 1/4 dia. screw - WCF							1	1					1				1		1				1	1	1
7	STD-35	WASHER, 5/16 plain - WCF							3					3					3		3				3	3	3
8	STD-475	WASHER, 5/16 lock - WCF							1					1					1		1				1	1	1
9	STD-1838	BOLT, 5/16-18 x .94 long - WCF							1					1					1		1				1	1	1
10	AN822-6-4D	ELBOW, 5/16 tube x 1/4 NPT, 90° - STD	1	1				1	1	1				1	1	1	1		1								
10	STD-700C	ELBOW, 3/8 tube x 1/4 NPT, 90° - STD																									
10	STD-700C	ELBOW, 3/8 tube x 1/4 NPT, 90° - WCF							1	1					1				1		1				1	1	1
	74070#	ELBOW, 3/8 tube, 9/16-18 straight thd. 45° adjustable - WCF							1	1					1				1		1				1	1	1
	MS29512-6	"O" RING							1	1				1					1		1				1	1	1
	75739#	NIPPLE, 3/8 tube, 9/16-18 straight thread - WCF							1						1				1		1				1	1	1
	MS29512-6	"O" RING							1						1												
		* - 45° elbow at governor adapter for generator or alternator installation.																									
		** - 3/8 nipple at governor adapter for generator installation.																									
		+ - 45° elbow at governor adapter for alternator installation.																									
		Ç - Assembled in right crankcase, front.																									
		# - Assembled in prop. governor adapter.																									

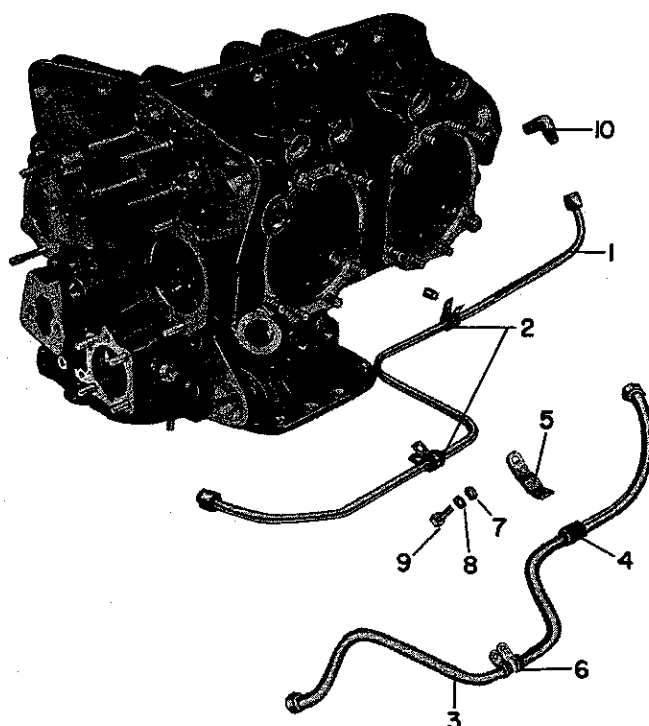


Figure 7-4. Propeller Governor Oil Line

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

Section 8 Gasket Set

AVCO LYCOMING PARTS CATALOG

O-320, IO-320 AND LIO-320 SERIES

SECTION 8

SERVICE REPLACEMENT SET SECTION

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320

SERVICE REPLACEMENT SET SECTION

Part Number

Part Name

69371-1

SEAL AND GASKET SET

ALL MODELS

Consisting of:

2	72053	Gasket - Governor Drive
2	8313	Gasket - Vacuum Pump
16	60053	Seal - Shroud Tube
1	60096	Gasket - Fuel Pump
4	71973	Gasket - Intake Flange
1	60592	Gasket - Carburetor
1	76940 - 77377	Seal - Crankshaft Oil
1	60820	Gasket - Oil Suction Tube Flange
1	74068	Ring - Oil Level Gage Seal
1	61165	Seal - Tachometer Shaft
1	61173	Gasket - Oil Pressure Housing
1	61183	Gasket - Accessory Adapter
4	75906	Gasket - Rocker Box Cover
1	73818	Gasket - Accessory Housing
1	68972	Gasket - Oil Sump
1	61531	Gasket - Hydraulic Valve
4	62224	Gasket - Magneto Adapter
4	65321	Gasket - Exhaust Flange
1	66224	Gasket - Carburetor
4	71481	Seal - Oil
1	68315	Gasket - Accessory Drive Adapter
8	70310	Seal - Shroud Tube
1	STD-208	Seal - Oil
2	STD-294	Gasket - Annular
6	72075	Seal - Oil
2	72091	Ring - Oil Seal
2	STD-1045	Gasket - Annular
1	61523	Container
1	69551	Gasket - Accessory Pad Cover
1	69720	Gasket - Dual Accessory Drive Cover
1	69827	Gasket - Governor Spacer
1	STD-548	Seal - Oil
1	66224	Gasket - Carburetor
1	74065	Ring - Oil Level Gage Seal
1	61156	Lockplate - Crankshaft Gear
2	72078	Lockplate - Camshaft Gear
2	73817	Lockplate - Crankshaft Idler Gear Shaft
4	68518	Lockplate - Shroud Tube
1	76691	Gasket
1	STD-111	Gasket
1	STD-213	Seal
1	1691-C	Gasket
1	69164	Gasket
1	71646	Lockplate
1	72312	Ring - Oil Seal
2	73383	Lockplate
1	74524	Ring - Oil Seal
2	78292	Gasket - Magneto
1	76510	Gasket

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

AVCO LYCOMING PARTS CATALOG

O-320, IO-320 AND LIO-320 SERIES

SECTION 9

VENDOR ACCESSORIES

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-1 - DELCO-REMY GENERATORS

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	1101899						GENERATOR, 12V-20A, Avco Lycoming 68764	1	A
	1101900						GENERATOR, 12V-25A, Avco Lycoming 68767	1	B
	1101901						GENERATOR, 24V-15A, Avco Lycoming 68765	1	C
	1101905						GENERATOR, 24V-25A, Avco Lycoming 68871	1	D
	1101915						GENERATOR, 12V-50A, Avco Lycoming 71744	1	E
	1105052						GENERATOR, 24V-40A, Avco Lycoming 71980	1	F
	1105055						GENERATOR, 24V-50A, Avco Lycoming 72695	1	G
1	1927842						ARMATURE	1	A
1	1928664						ARMATURE	1	B
1	1928648						ARMATURE	1	C
	1930314						ARMATURE	1	D
1	1945122						ARMATURE	1	E
1	1945105						ARMATURE	1	F
1	1952240						ARMATURE	1	G
2	1928813						FIELD COIL SET (2 coils)	1	A
2	1925031						FIELD COIL SET (2 coils)	1	B, E
2	1917288						FIELD COIL SET (2 coils)	1	C
2	1929703						FIELD COIL SET (2 coils)	1	D
2	1945098						FIELD COIL SET (2 coils)	1	F
2	1952237						FIELD COIL SET (2 coils)	1	G
3	1943590						FRAME, C. E.	1	A, B, C, D, E
3	1952232						FRAME, C. E.	1	F, G
4	1925832						FRAME, D. E.	1	A, B, C, D, E
4	1945101						FRAME, D. E.	1	F, G
5	954162						BEARING, Ball C. E.	1	A, B, C, D, E
5	900529						BEARING, Ball C. E.	1	F, G
6	954143						BEARING, Ball D. E.	1	A, B, C, D
6	954162						BEARING, Ball D. E.	1	E
6	900529						BEARING, Ball D. E.	1	F, G
7	1908999						PLATE, Brush	1	A, B, C, D, E
8	1906984						BRUSH	2	A, B, C, D, E
8	1906931						BRUSH	2	F, G
9	1903720						SPRING, Brush	2	A, B, C, D, E
	1908829						SPRING, Brush	2	F, G
10	1850759						ARM, Brush	2	A, B, C, D, E
10	1944373						ARM, Brush	2	F, G
11	1908843						PULLEY	1	
12	1927844						PLATE, Bearing retainer	1	A, B, C, D, E, F
12	1952245						PLATE, Bearing retainer	1	G
13	1909159						TERMINAL STUD AND LEAD	1	A, B, C
13	1858749						TERMINAL STUD	1	D
13	1914186						TERMINAL STUD AND LEAD	1	E
14	1858749						TERMINAL STUD	1	A, B, C, D, F, G
14	1858751						TERMINAL STUD	1	E
15	1908844						THRU BOLT	2	A
15	1908680						THRU BOLT	2	B, C, E
15	1886685						THRU BOLT	2	D, F, G
16	1916747						SHOE POLE	2	A
16	1914618						SHOE POLE	2	B, C, E
16	1939902						SHOE POLE	2	D
16	1918004						SHOE POLE	2	F, G
17	1910131						BAND, Cover	1	A, B, C, D, E
17	1962896						BAND, Cover	1	F, G
18	1861591						COLLAR, Space, outside, D. E.	1	A, B, C, D, E
18	1914198						COLLAR, Space, outside, D. E.	1	F, G
19	1886684						DOWEL PIN, C. E. and D. E.	2	A, B, C, D, E, F
19	809062						DOWEL PIN, C. E. and D. E.	2	G
	1927843						COLLECTOR, Static	1	A, B, C, D, E

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-1 - DELCO-REMY GENERATORS (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	1920738						COLLECTOR, Spring, D. E.	1	F
	1952241						COLLECTOR, Spring, D. E.	1	G
	1952244						COLLECTOR, Ring, D. E.	1	G
	1916748						INSULATOR, Field coil	2	A
	1914491						INSULATOR, Field coil	2	B, C
20	1912073						INSULATOR, Field coil	2	D
20	200242						TERMINAL, Clip - to brush (L. H.)	1	A, B, C, D
	200362						TERMINAL, Clip - to brush	2	E, F, G
21	455613						TERMINAL, Clip - to brush (R. H.)	1	A, B, C, D
	124545						WOODRUFF KEY, D. E.	1	
	1920734						RING, Static collector	1	A, B, C, D, F

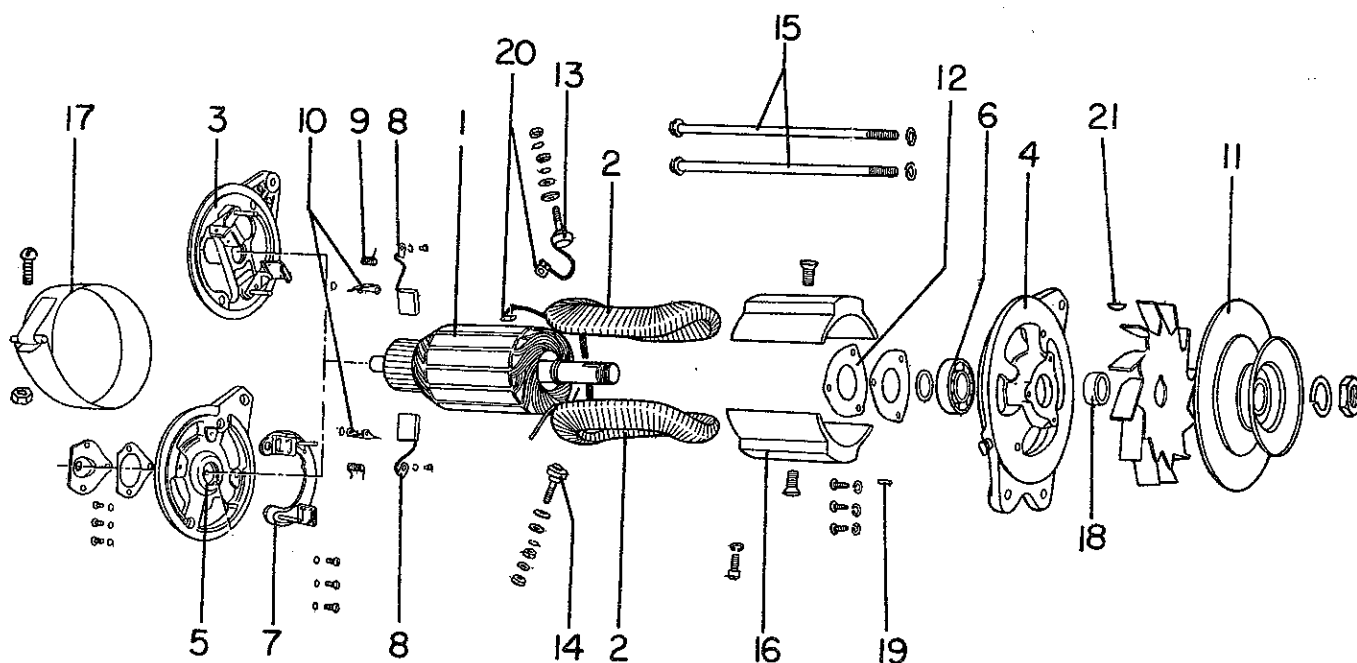


Figure 9-1. Delco-Remy Generator

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-2 - DELCO-REMY ALTERNATORS

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	1100717						ALTERNATOR, 12V-70A, Avco Lycoming 74319	1	A
	1100718						ALTERNATOR, 24V-50A, Avco Lycoming 74816	1	B
1	1964858						FRAME, S. R. E.	1	A
2	1964512						ROTOR ASSEMBLY	1	B
3	1964221						ROTOR ASSEMBLY	1	A
3	1961531						STATOR ASSEMBLY	1	B
3	1959531						STATOR ASSEMBLY	1	
4	1959917						FRAME, D. E.	1	
5	1964354						DIODE	1	
6	1964353						DIODE	1	
7	1965276						BRUSH HOLDER AND BRUSH ASSEMBLY	1	
8	1964117						SPRING, Brush	1	
9	7451326						BEARING, S. R. E	1	
10	905920						BEARING, D. E.	1	
11	1959832						TERMINAL PKG. , Battery	1	
12	1959833						TERMINAL PKG. , Ground	1	
13	1959834						TERMINAL PKG. , Diode junction	1	
14	1963213						BEARING RETAINER ASSEMBLY	1	
15	1953211						COLLAR, Inside	1	B
16	1959991						COLLAR, Outside	1	
17	1961521						THRU BOLT	4	
18	1959455						CAPACITOR	1	
19	1959532						CLIP, Stator lead terminal	3	
20	1964858						HEAT SINK ASSEMBLY	1	
	1952241						COLLECTOR AND SPRING ASSY. , D. E.	1	
	1959389						INSULATOR, Capacitor terminal screw	1	
21	1959790						RETAINER AND FELT, S. R. E.	1	
	1952244						RING, Collector, D. E.	1	
	1961523						SPACER, D. E.	1	
22	1960750						SPRING, Capacitor retaining	1	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

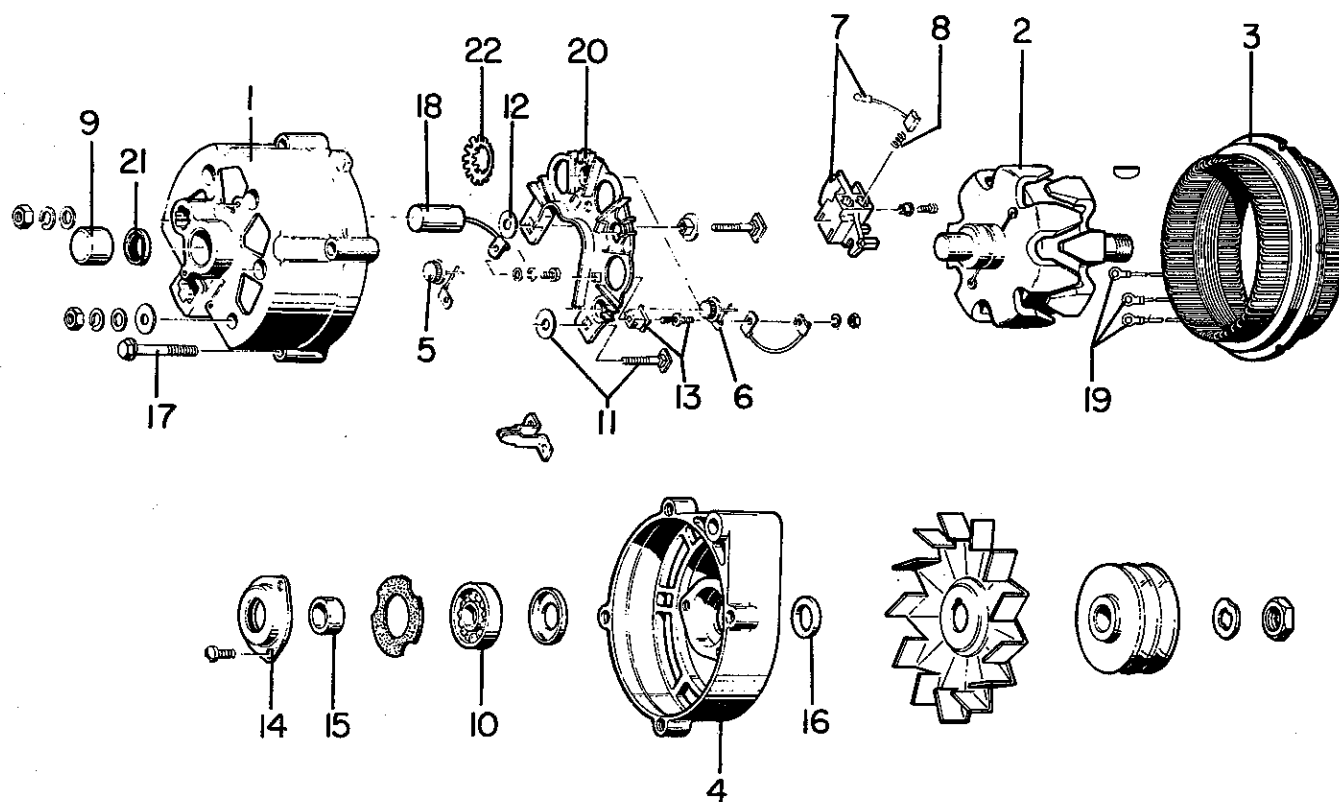


Figure 9-2. Delco-Remy Alternator

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-3 - PRESTOLITE ALTERNATORS

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	ALE-8105A						ALTERNATOR, 12V-40A, Avco Lycoming 76496	1	A
	ALE-8406						ALTERNATOR, 12V-40A, Avco Lycoming 78308	1	B
	ALX-8403						ALTERNATOR, 12V-70A, Avco Lycoming 78310	1	C
	ALT-8404						ALTERNATOR, 24V-50A, Avco Lycoming 78312	1	D
	ALU-8403						ALTERNATOR, 24V-70A, Avco Lycoming 78314	1	E
	ALE-6406						ALTERNATOR, 12V-40A, Avco Lycoming 78401	1	F
	ALZ-8401						ALTERNATOR, 12V-50A, Avco Lycoming 78403	1	G
	ALY-8403						ALTERNATOR, 12V-50A, Avco Lycoming 78407	1	H
	ALY-8405						ALTERNATOR, 12V-60A, Avco Lycoming LW-10372	1	J
	P90-2014						BEARING AND SEAL PKG., S. R. E.	1	B, C, D, E, F, G, H, J
	ALU-1045A						BRUSH HOLDER ASSEMBLY	1	B, C, D, E, F, G, H, J
1	ALE-1012CS						BRUSH SET, Service	1	A
1	ALE-1012NS						BRUSH SET, Service	1	B, C, D, E, F, G, H, J
2	ALA-19S						SPRING SET, Brush	1	
3	ALE-1062						COVER, Slip ring end	1	A
3	ALU-1062A						COVER, Slip ring end	1	B, C, D, E, F, G, H
3	ALU-1062D						COVER, Slip ring end	1	J
	P90-818						EYELET PKG.	1	B, C, D, E, F, G, H, J
4	PU-1605						FAN, Ventilating	1	A, B, D
4	PU-1605A						FAN, Ventilating	1	C, E, F, G, H, J
5	ALE-1003E						HEAD ASSEMBLY, Drive end	1	A
5	ALE-1003N						HEAD ASSEMBLY, Drive end	1	B, C, D, E, F, G, H, J
6	X-3416						BEARING, Ball SAE No. 203	1	
7	X-3417						BEARING, Roller	1	A
8	ALE-1002LS						HEAD ASSEMBLY, Slip ring end	1	A
8	ALK-1032BS						HEAD ASSEMBLY, Slip ring end	1	B, G, H, J
8	ALK-1032CS						HEAD ASSEMBLY, Slip ring end	1	C, D, E, F
9	XA-944J						RECTIFIER, Negative	3	
10	P90-33						NUT AND WASHER PKG.	1	
11	ALE-4						PLATE, Rectifier mounting	1	A
11	ALE-1054G						PLATE, Rectifier mounting	1	B, C, D, E, F, G, H, J
12	PU-672						PULLEY, Drive	1	
	XA-943F						RECTIFIER, Positive	3	
14	GR-32						RETAINER, Drive end	1	
15	ALE-2016						ROTOR ASSEMBLY	1	A
15	ALE-2073S						ROTOR ASSEMBLY	1	B, F, G, H, J
15	ALH-2028S						ROTOR ASSEMBLY	1	C
15	ALU-2028S						ROTOR ASSEMBLY	1	D, E
16	ALD-21						SPACER, Rotor shaft	1	
17	ALE-2008Z						STATOR ASSEMBLY	1	A
17	ALE-2008AD						STATOR ASSEMBLY	1	B, F
17	ALE-2008AB						STATOR ASSEMBLY	1	C, E
17	ALE-2008AA						STATOR ASSEMBLY	1	D
17	ALE-2008AG						STATOR ASSEMBLY	1	G
17	ALE-2008AE						STATOR ASSEMBLY	1	H, J
18	P90-356A						TERMINAL STUD AND PARTS PKG.	1	A
18	P90-2030						TERMINAL STUD AND PARTS PKG.	1	B, C, D, E, G, H, J
18	P90-506						TERMINAL STUD AND PARTS PKG.	1	F
19	ALA-20FS						THRU BOLT PKG.	1	A
19	ALA-20JS						THRU BOLT PKG.	1	B, F, G, H, J
19	ALA-20GS						THRU BOLT PKG.	1	C, D, E

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

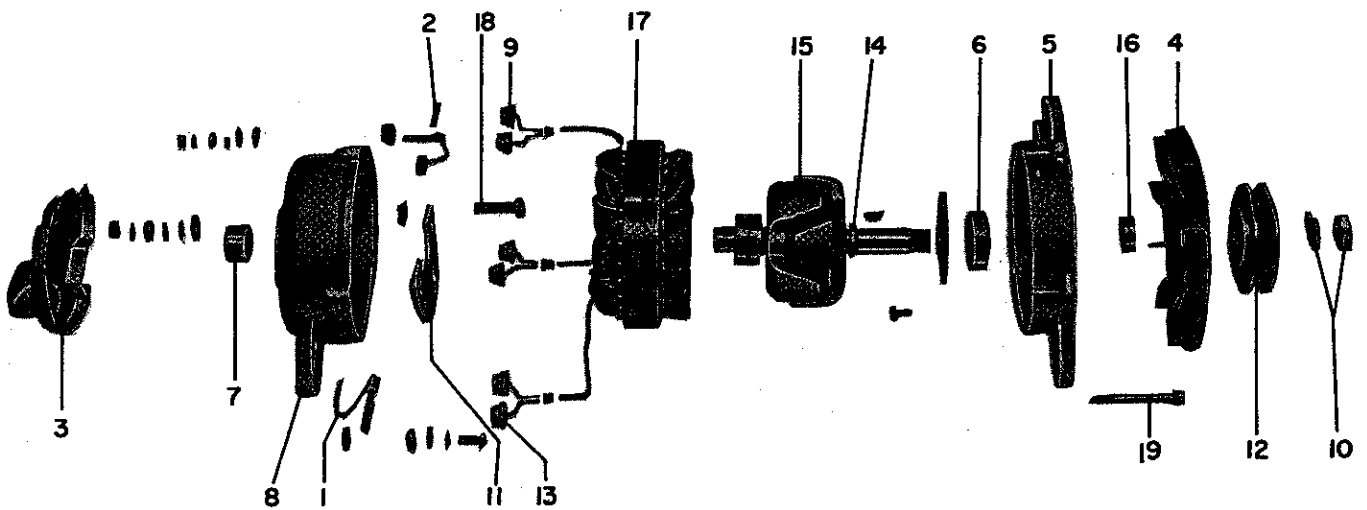


Figure 9-3. Prestolite Alternator

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-4 - PRESTOLITE STARTERS

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	MZ4204						STARTER, 12V, Avco Lycoming 76210	1	A
	MZ4206						STARTER, 12V, Avco Lycoming 76211	1	B
	MHB-4001						STARTER, 24V, Avco Lycoming 76212	1	C
	MZ-4216						STARTER, 12V, Avco Lycoming LW-10556	1	D
1	EBB-124A						BENDIX DRIVE	1	A
1	EBB-75A						BENDIX DRIVE	1	B, C
1	EBB-142A						BENDIX DRIVE	1	D
2	MZ-24A						BAND, Cover	1	
3	MZ-393						PLATE, Retainer	1	B, C, D
4	MZ-394						SHAFT, Bendix drive	1	B, C, D
	MZ-396						GEAR	1	B, C, D
6	MZ-1390						HOUSING ASSEMBLY, Gear	1	B, C, D
7	XA-997						BEARING, Needle, 1/2"	1	B, C, D
8	XA-998						BEARING, Needle, .812"	1	B, C, D
9	MZ-2385						FRAME AND FIELD ASSEMBLY	1	A
9	MZ-2397						FRAME AND FIELD ASSEMBLY	1	B, D
9	MHB-2397						FRAME AND FIELD ASSEMBLY	1	C
10	MZ-2386						ARMATURE	1	A
10	MZ-2399						ARMATURE	1	B, D
10	MHB-2399						ARMATURE	1	C
11	MZ-2002U						HEAD ASSEMBLY, Commutator end	1	A
11	MZ-2400						HEAD ASSEMBLY, Commutator end	1	B, D
11	MHB-2400						HEAD ASSEMBLY, Commutator end	1	C
12	MZ-19S						SPRING SET, Brush	1	
13	PS-1435						HOUSING ASSEMBLY, Pinion	1	A
13	PS-1432						HOUSING ASSEMBLY, Pinion	1	B, C, D
14	MG-77A						BEARING, Absorbent bronze	1	A
14	MZ-389						BEARING, Bronze, graphite	1	B, C, D
15	MZ-1236						BEARING ASSEMBLY, Intermediate	1	A
15	X-3212						BEARING, Ball, sealed, C. E.	1	B, C, D
16	P90-542						THRUST WASHER PKG.	1	A
16	P90-601						THRUST WASHER PKG.	1	B, C, D
17	MBG-2012S						BRUSH SET, Service	1	A, B, D
	MHB-2012S						BRUSH SET, Service	1	C
	P90-876						TERMINAL STUD PKG.	1	D

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

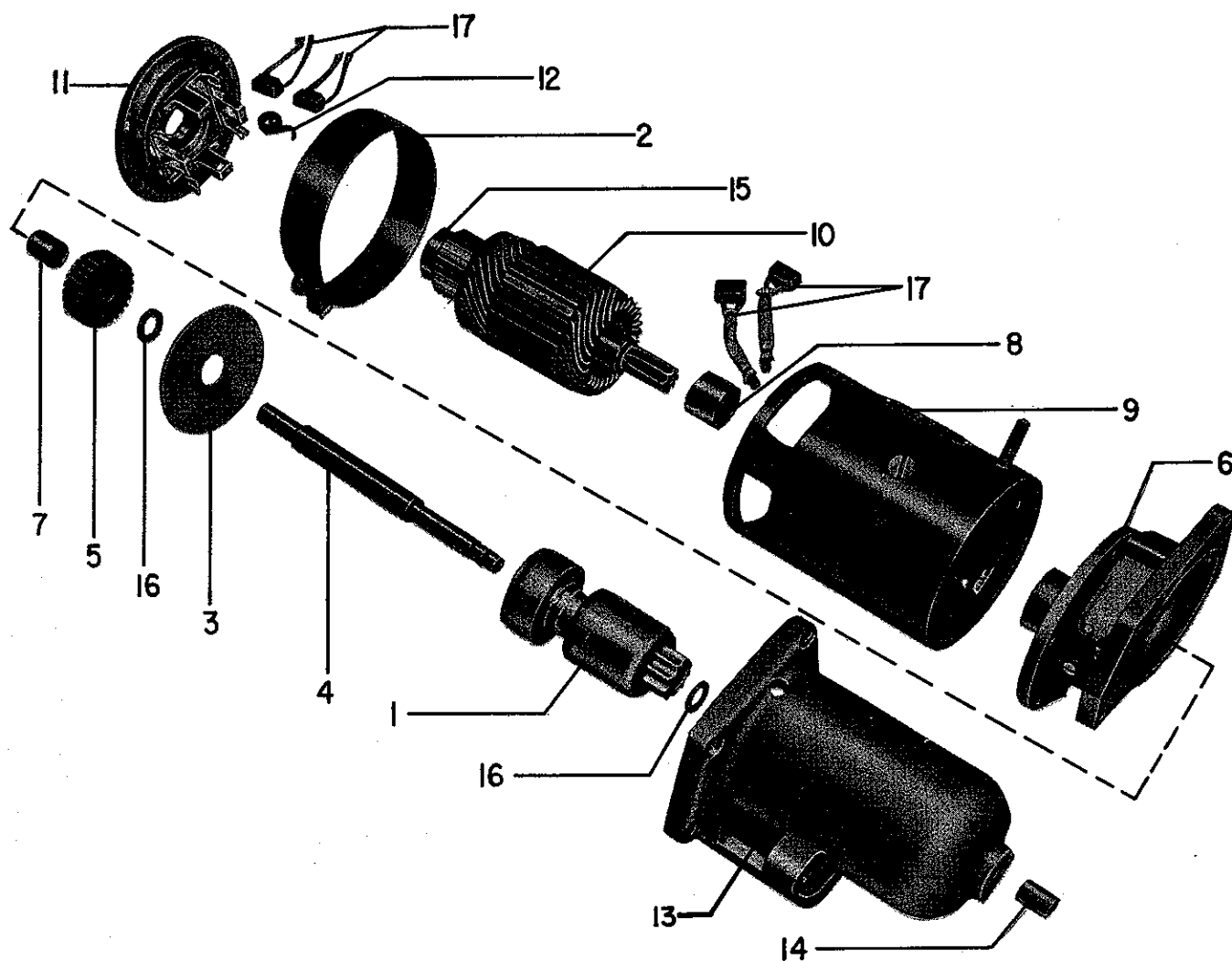


Figure 9-4. Prestolite Starter

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-5 - BENDIX MAGNETOS, -20 SERIES

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	10-51360-25						MAGNETO, S4LN-21, Avco Lycoming P/N 71432	1	A
	10-51360-29						MAGNETO, S4LN-20, Avco Lycoming P/N 71398	1	B
	10-51360-30						MAGNETO, S4LN-21, Avco Lycoming P/N 71397	1	C
	10-51360-45						MAGNETO, S4LN-21, Avco Lycoming P/N 77985	1	D
	10-51360-46						MAGNETO, S4RN-21, Avco Lycoming P/N LW-10518	1	E
1	10-50727Y						HOUSING, Magneto	1	
2	10-157134						PLUG, Ventilator	1	
3	10-357164						COIL	1	A, B, C, E
3	10-357165						COIL	1	D
4	10-50765						CLAMP, Coil core	2	
	10-35937-8						SCREW, With lockwasher	3	A, B, C, E
5	10-35937-8						SCREW, With lockwasher	2	D
6	10-81806						BEARING, Ball	1	
7	2-161-1						WASHER, Flat, 0.0025 in. thick	AR	
	2-161-2						WASHER, Flat, 0.004 in. thick	AR	
	2-161-3						WASHER, Flat, 0.005 in. thick	AR	
	2-161-4						WASHER, Flat, 0.008 in. thick	AR	
	2-161-5						WASHER, Flat, 0.010 in. thick	AR	
	2-161-6						WASHER, Flat, 0.012 in. thick	AR	
	2-161-7						WASHER, Flat, 0.0015 in. thick	AR	
8	10-52947						MAGNET, Rotating	1	A, C, D, E
8	10-52945						MAGNET, Rotating	1	B
9	10-90788-5						KEY, Woodruff	3	A, C, D, E
9	10-90788-5						KEY, Woodruff	2	B
10	10-157123Y						GEAR, Small	1	
11	10-3503						WASHER, Plain (breaker end bearing)	1	
12	2-199-1						WASHER, Plain 0.0025 in. thick	AR	
	2-199-2						WASHER, Plain 0.004 in. thick	AR	
	2-199-3						WASHER, Plain 0.005 in. thick	AR	
	2-199-4						WASHER, Plain 0.008 in. thick	AR	
	2-199-5						WASHER, Plain 0.010 in. thick	AR	
	2-199-6						WASHER, Plain 0.012 in. thick	AR	
12	2-202						BEARING, Ball (magnet, breaker end)	1	
	10-88543-1						CAM, Breaker	1	A, B, C, E
14	10-88543-5						CAM, Breaker	1	D
15	10-51354						WASHER, (Cam screw)	1	
16	10-35936-10						SCREW, With lockwasher	1	
17	10-52917						HOUSING, Distributor	1	A, B, C, E
17	10-106498						HOUSING, Distributor	1	D
18	10-157135						PLUG, Distributor housing	1	
19	10-52949						BLOCK, Distributor	1	
20	10-50737						SPRING, Helical (high tension cable contact)	4	
21	10-163374						STRIP, Felt (electrode side)	1	
22	10-50752						WASHER, Felt (ring side)	1	
23	10-102083						SCREW, Distributor block (with plain and lock-washer)	3	
24	10-50746Y						GEAR, Distributor, large	1	
25	10-50753						WASHER, Plain (distributor gear axle)	1	
26	10-92815-37						RING, Retaining (distributor gear axle)	1	
27	10-160844						BRUSH, Electrical contact	1	
28	10-157158						SCREW, With lockwasher (distributor housing to magneto housing)	5	
29	10-357174						CONTACT ASSEMBLY, (Tungsten)	1	A, B, C, E
29	10-382585						CONTACT ASSEMBLY, (Tungsten R. H.)	1	D
30	10-14268						WASHER, Plain (contact assembly)	1	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

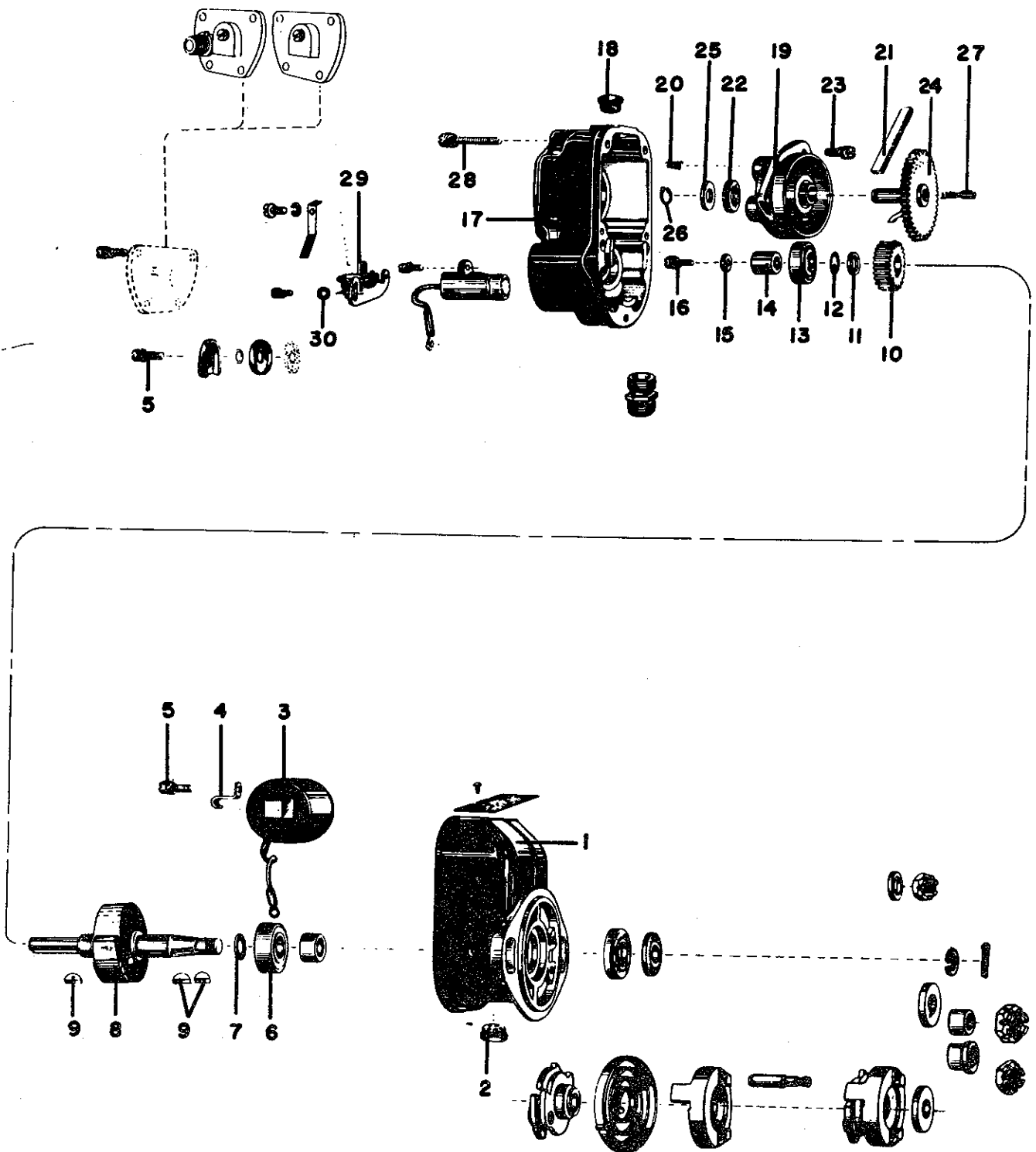


Figure 9-5. Bendix Magneto, -20 Series

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-5A - BENDIX MAGNETOS, -20 SERIES (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
1	10-35936-7						SCREW, With lockwasher (contact assy., securing)	2	A, B, C, E
1	10-35936-7						SCREW, With lockwasher (capacitor)	1	A, B, C, E
	10-35935-5						SCREW, With lockwasher	2	D
2	10-51676						CAPACITOR	1	A, B, C, E
2	10-163131						CAPACITOR	1	D
3	10-102090						SPRING, (Ground terminal)	1	A, B, C, E
4	2-194						WASHER, Lock (ground terminal screw)	1	A, B, C, E
5	10-16476						SCREW, Fil. head (ground terminal)	1	A, B, C, E
6	10-52939Y						COVER, Breaker	1	A, B, C, E
	10-163136						COVER, Breaker	1	D
	10-163177						NUT, Cap, round	1	D
	10-163384						DISK, Neoprene	1	D
8	10-9354						SCREEN, Ventilator (breaker cover)	1	A, B, C, E
9	10-116197						RETAINER, Ventilator screen	1	A, B, C, E
10	10-32438						WASHER, Ventilator shield	1	A, B, C, E
11	10-9967						SHIELD, Ventilator (breaker cover)	1	A, B, C, E
12	10-157161						SCREW, With lockwasher, 0.438 in. long (breaker cover)	4	A, B, C, E
12	10-157160						SCREW, With lockwasher, 0.875 in. long (breaker cover)	4	D
13	10-357078						BEARING, Sleeve (drive shaft)	1	
14	10-27448						OIL SEAL, (Drive Shaft)	1	
15	10-51678						DEFLECTOR, Oil, (drive shaft)	1	
16	10-4093						WASHER, Plain (drive shaft nut)	1	B
17	10-163151						NUT, Drive shaft	1	B
18	10-56513						PIN, Stop, impulse coupling	2	A, C, D, E
19	10-59477						IMPULSE COUPLING, 35° lag	1	A
19	10-59474						IMPULSE COUPLING, 25° lag	1	C, D
19	10-59473						IMPULSE COUPLING, 25° lag	1	E
20	10-59471						CAM, Impulse coupling	1	A
20	10-59437						CAM, Impulse coupling	1	C, D
20	10-59436						CAM, Impulse coupling	1	E
21	10-51324						SPRING, Main, impulse coupling	1	A, C, D, E
22	10-52903						BODY, Impulse coupling	1	A, C, D
22	10-51333						BODY, Impulse coupling	1	E
23	10-51370						WASHER, Plain (impulse coupling)	1	A, C, D, E
24	10-51659						BUSHING, Impulse coupling	1	A, C, D, E
25	10-3793						WASHER, Lock (drive shaft nut)	1	A, C, D, E
26	10-51643						NUT, Drive shaft	1	A, C, D, E
27	10-90751-19						PIN, Cotter (drive shaft nut)	1	
28	10-357012						PLATE, Identification	1	
29	10-90500-5						SCREW, Drive (identification plate)	2	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

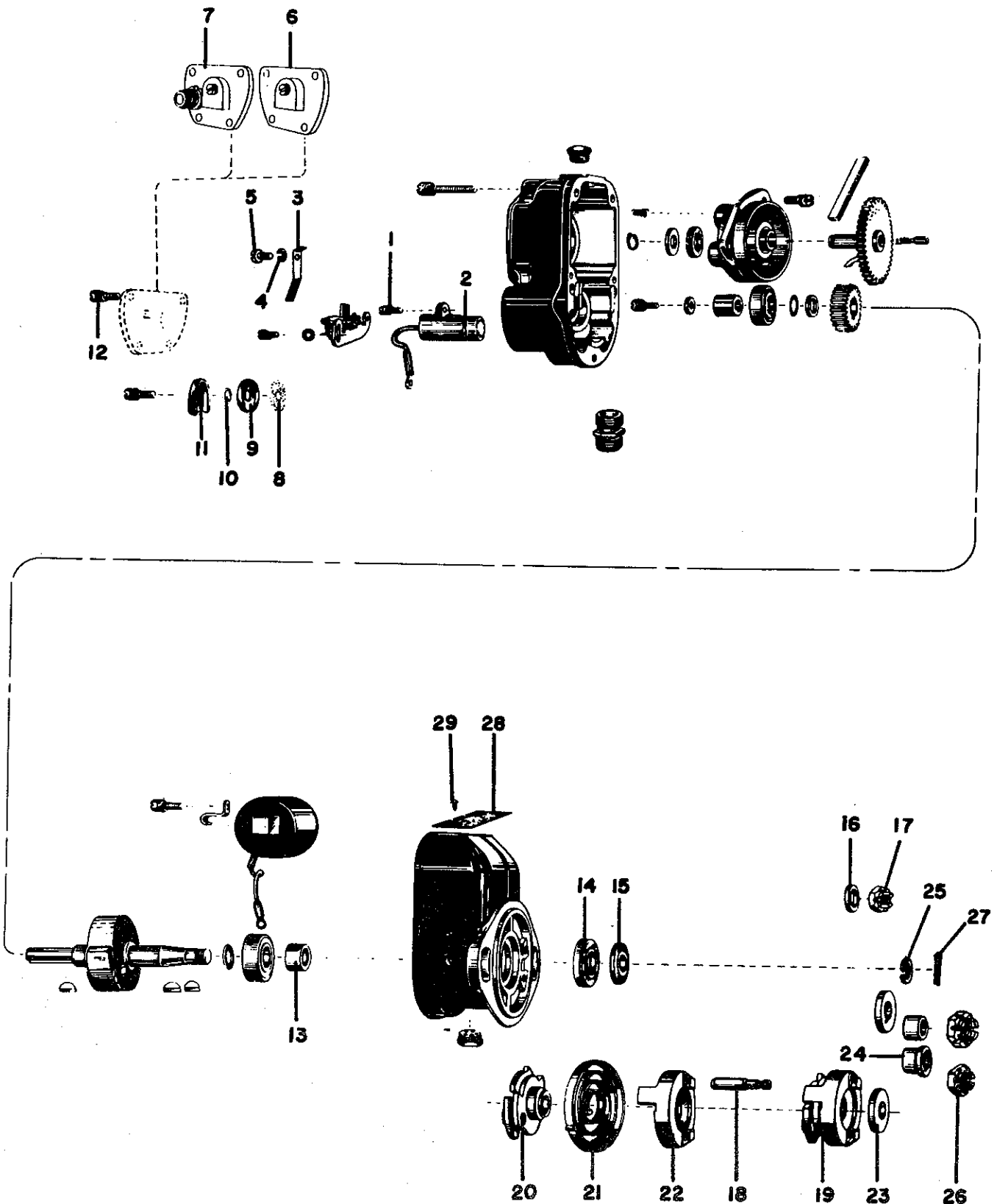


Figure 9-5A. Bendix Magneto, -20 Series

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-6 - BENDIX MAGNETOS, -200 SERIES

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	10-163005-2						MAGNETO, S4LN-200, Avco Lycoming 73360	1	A
	10-163045-3						MAGNETO, S4LN-204, Avco Lycoming 72524	1	B
	10-163045-6						MAGNETO, S4LN-204, Avco Lycoming 78955	1	C
1	10-160858						HOUSING, Magneto	1	
2	10-157134						PLUG, Ventilator, magneto housing	1	
3	10-157165						COIL	1	
4	10-50765						CLAMP, Coil core	2	
5	10-35937-8						SCREW, With lockwasher (coil core clamp)	2	
6	10-81806						BEARING, Ball (magnet, drive end)	1	
7	2-161-1						WASHER, Flat, 0.0025 in. thick	AR	
7	2-161-2						WASHER, Flat, 0.004 in. thick	AR	
7	2-161-3						WASHER, Flat, 0.005 in. thick	AR	
7	2-161-4						WASHER, Flat, 0.008 in. thick	AR	
7	2-161-5						WASHER, Flat, 0.010 in. thick	AR	
7	2-161-6						WASHER, Flat, 0.012 in. thick	AR	
7	2-161-7						WASHER, Flat, 0.0015 in. thick	AR	
8	10-52945						MAGNET, Rotating	1	
9	10-90788-5						KEY, Woodruff	2	
10	10-157123Y						GEAR, Distributor, small	1	
11	10-3503						WASHER, Plain (breaker end bearing)	1	
12	2-199-1						WASHER, Flat, 0.0025 in. thick	AR	
12	2-199-2						WASHER, Flat, 0.004 in. thick	AR	
12	2-199-3						WASHER, Flat, 0.005 in. thick	AR	
12	2-199-4						WASHER, Flat, 0.008 in. thick	AR	
12	2-199-5						WASHER, Flat, 0.010 in. thick	AR	
12	2-199-6						WASHER, Flat, 0.012 in. thick (breaker end bearing)	AR	
13	2-202						BEARING, Ball (magnet, breaker end)	1	
14	10-88543-5						CAM, Breaker	1	
15	10-51354						WASHER, Plain (cam screw)	1	
16	10-35936-10						SCREW, With lockwasher	1	
17	10-106492						HOUSING, Distributor	1	A
18	10-106498						HOUSING, Distributor	1	B, C
19	10-157135						PLUG, Distributor housing	1	
20	10-52949						BLOCK, Distributor	1	
21	10-50737						SPRING, Helical	4	
22	10-163374						STRIP, Felt (electrode side)	1	
23	10-50752						WASHER, Felt (ring side)	1	
24	10-102083						SCREW, With lock and plain washer	3	
25	10-50746Y						GEAR, Distributor large	1	
26	10-50753						WASHER, Plain (distributor gear axle)	1	
27	10-31282						RING, Retaining	1	
28	10-160844						BRUSH, Carbon	1	
29	10-157158						SCREW, With lockwasher	5	
30	10-382584						CONTACT ASSEMBLY, (Tungsten R. H.)	1	A
31	10-382585						CONTACT ASSEMBLY, (Tungsten L. H.)	1	B, C
32	10-14268						WASHER, Plain	2	A
33	10-14268						WASHER, Plain	1	B, C
34	10-9858						WASHER, Plain	2	C
35	10-35936-7						SCREW, With lockwasher	4	A, C
36	10-35936-7						SCREW, With lockwasher	2	B
	10-361624						PLATE, Breaker insulating	1	C
	10-361639						BUSHING, Insulating	2	C
	10-163194						INSULATION SHEET	1	A
	10-157241						LEAD, Retard assembly	1	A
	10-163131						CAPACITOR	1	
	10-35935-5						SCREW, With lockwasher	2	
	10-163136						COVER, Breaker	1	A, B

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-6 - BENDIX MAGNETOS, -200 SERIES (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
36	10-361637						COVER ASSEMBLY, Tach. breaker	1	C
37	10-157160						SCREW, With lockwasher (breaker cover)	4	
38	10-163384						DISK	1	B, C
39	10-163177						NUT, Cap	1	B
40	10-25788						BEARING, Sleeve (drive shaft)	1	
41	10-27448						OIL SEAL, (Drive shaft)	1	
42	10-51678						DEFLECTOR, Oil (drive shaft)	1	
43	10-4093						WASHER, (Drive shaft nut)	1	
44	10-163151						NUT, Drive shaft	1	
45	10-90751-19						PIN, Cotter (drive shaft nut)	1	
46	10-357011						PLATE, Identification	1	
47	10-90500-5						SCREW, Drive	2	

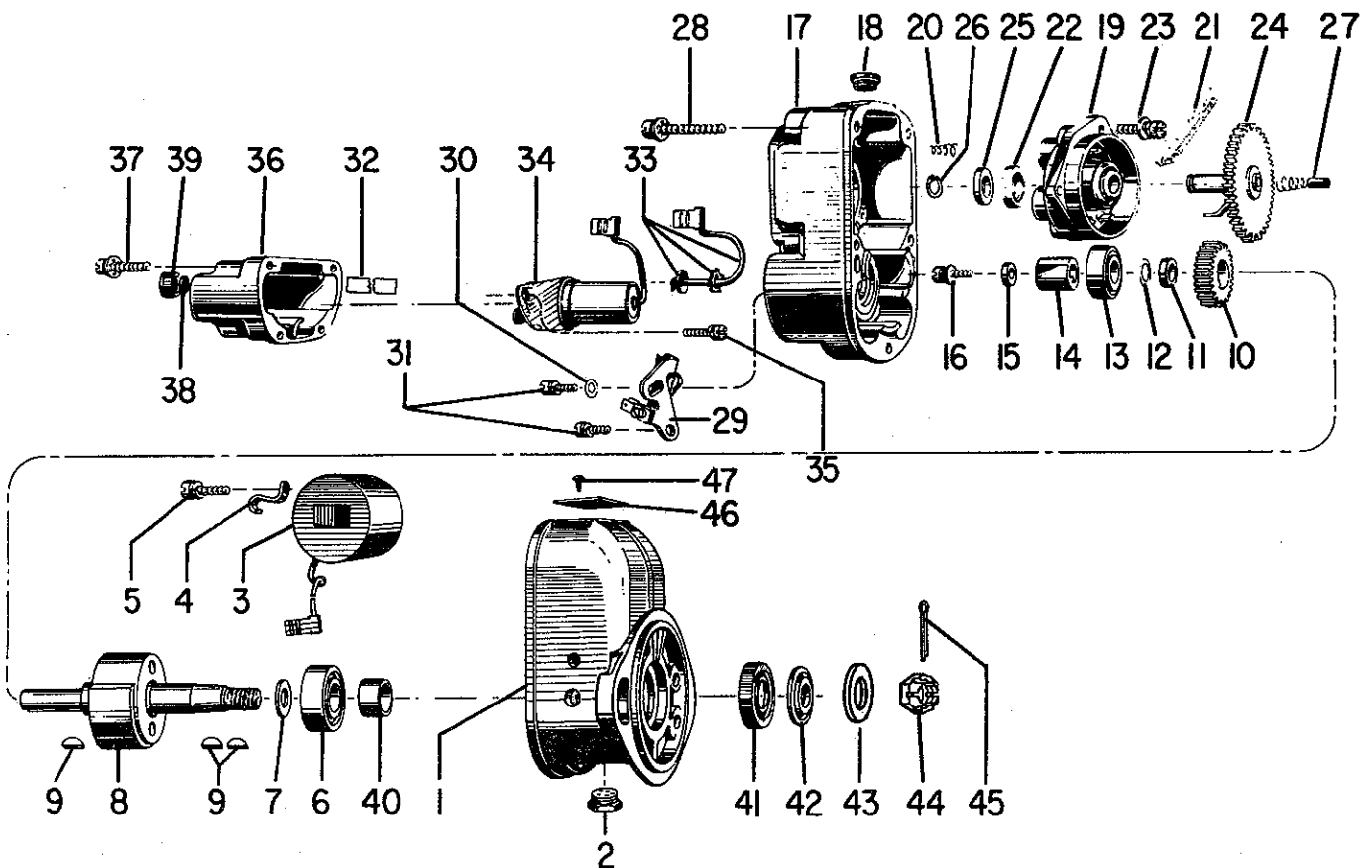


Figure 9-6. Bendix Magneto, -200 Series

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-7 - BENDIX MAGNETOS, -1200 SERIES

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	10-349305-1						MAGNETO, Bendix, S4LN-1209, Avco Lycoming P/N 75896	1	A
	10-349365-2						MAGNETO, Bendix, S4LN-1227, Avco Lycoming P/N 75897	1	B
1	10-35937-24						SCREW, With lockwasher	1	
2	10-92873-302						NUT, Stud and lead contact screw	5	
3	10-90701-5						WASHER, (Stud, outside)	8	
4	10-349393-2						COVER, Magneto	1	
5	10-35935-6						SCREW, Capacitor securing	2	
6	10-349276						CAPACITOR	1	
	10-349263						PACKING, (Capacitor mounting)	1	
	10-349221						STUD, Double end (distributor block securing)	4	
9	10-78655						WASHER, (Stud securing)	4	
10	10-92815-37						RING, Retaining, (gear axle)	1	
11	10-349511						WASHER, (Gear axle)	1	
12	10-50752						WASHER, Felt (gear axle)	1	
13	10-349211						BLOCK, Distributor	1	
14	10-50737						SPRING, Helical	4	
15	10-163374						STRIP, Felt	1	
16	10-349234						GEAR ASSEMBLY, Large	1	
17	10-160844						BRUSH, Carbon	1	
18	10-35936-7						SCREW, (Contact assy., and coil lead clamp)	3	
	10-5752						CLIP CABLE (Not illustrated)	1	
19	10-14268						WASHER, (Contact assy., securing screw)	1	
20	10-382585						CONTACT ASSEMBLY, R. H. (Tungsten)	1	
21	10-35936-10						SCREW, (Cam securing)	1	
22	10-51354						WASHER, (Cam securing screw)	1	
23	10-349243-1						CAM	1	
24	10-349326						STRIP, Fish paper	1	
25	10-349219						WEDGE, Coil	2	
26	10-349271						COIL, Magneto (high tension)	1	
27	10-90751-19						PIN, Cotter	1	
28	10-163151						NUT, Castellated (drive shaft)	1	A
	10-51643						NUT, Castellated (drive shaft)	1	B
30	10-3793						WASHER, Lock, (drive shaft nut)	1	B
31	10-51659						BUSHING, Impulse coupling	1	B
32	10-90788-5						KEY, Woodruff	1	A
32	10-90788-5						KEY, Woodruff	2	B
33	10-4093						WASHER, (Drive shaft nut)	1	A
34	10-51370						WASHER, (Drive shaft nut)	1	B
35	10-349359						IMPULSE COUPLING	1	B
36	10-52903						BODY, Impulse coupling	1	B
37	10-51324						SPRING, Main impulse coupling	1	B
38	10-349357-2						CAM ASSEMBLY, Impulse coupling	1	B
39	10-92815-62						RING, Retaining (drive shaft end)	1	
40	10-349328						WASHER, Flat (flange)	1	
41	10-349249						WASHER, Bowed (flange)	1	
42	10-349248						SLINGER, Oil	1	
43	10-349652						SCREW, (Flange securing)	3	
44	10-53397						WASHER, (Flange securing screw)	3	
45	10-349392-2						FLANGE, Short round (without stop pins)	1	A
45	10-349392-6						FLANGE, Short round (with 2 stop pins)	1	B
46	10-349438R						STOP PIN, Flange	2	B
47	10-353056						BEARING, (Magneto drive end)	1	
48	10-349247						PLATE, (Bearing retaining)	1	
49	10-349351-3						MAGNET, Rotating	1	A
49	10-349351-1						MAGNET, Rotating	1	B
50	10-349241						GEAR, Distributor, (small)	1	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-7 - BENDIX MAGNETOS, -1200 SERIES (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
51	10-157134						VENTILATOR	1	
52	10-157135						PLUG, Timing	1	
53	10-90500-8						SCREW, (Identification plate securing)	2	
54	10-70616						PLATE, Identification	1	
55	10-353060						BEARING, Roller	1	
56	10-349394-3						HOUSING, Magneto	1	

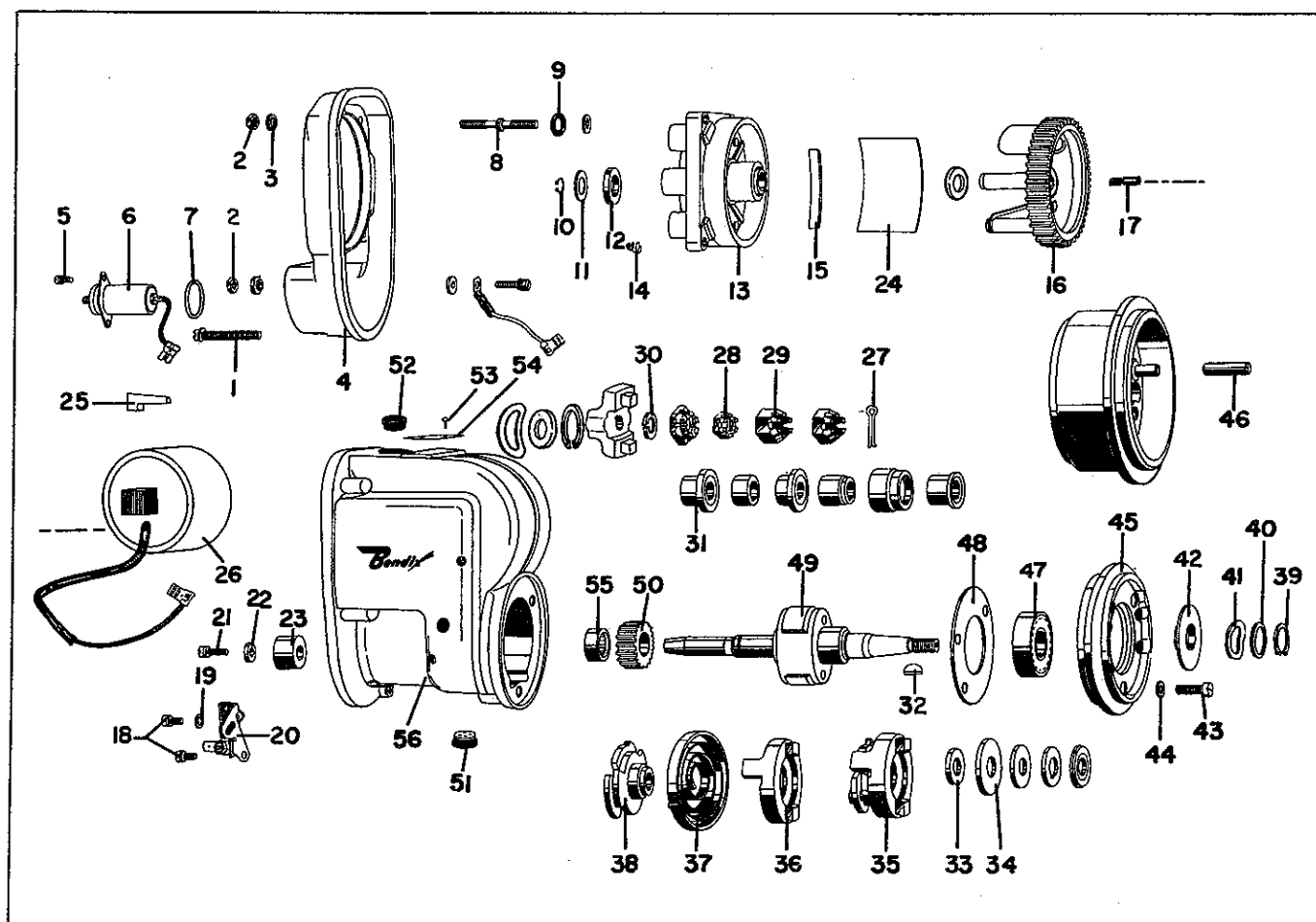


Figure 9-7. Bendix Magneto, -1200 Series

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-8 - LEAR-SIEGLER FUEL PUMPS

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	RG-17980						PUMP, Rotary power driven, fuel, Avco Lycoming 74547	1	A
	RG-17980A						PUMP, Rotary power driven, fuel, Avco Lycoming 76188	1	B
	RG-17980D						PUMP, Rotary power driven, fuel, Avco Lycoming 76486	1	C
1	MS20995NC32						LOCKWIRE	AR	
2	RA7452						SEAL, Metallic	1	
	RB15997						COVER ASSEMBLY	1	
3	AN500A10-22						SCREW, (Attaching part)	4	
	RA4105						WASHER, Flat (attaching part)	4	
5	RB15996						CAP, Valve	1	
6	AN501A10-10						SCREW	1	
7	RA7763						BALL	1	
8	RA7363						SPRING, Relief valve	1	
9	RB15985						VALVE ASSEMBLY, Safety relief	1	
10	RA5575						PLATE, Identification	1	
11	MS21318-1						SCREW, (Attaching)	2	
12	RA9099						PLATE, Instruction	1	
13	MS21318-1						SCREW, (Attaching)	2	
14	RG15982						HOUSING, Valve	1	
15	RA7427						VALVE, Bypass	1	
16	RA7424						SPRING, Bypass valve	1	
17	RA7425						GUIDE, Bypass valve	1	
18	RA15981						GASKET	1	
19	RA7438						PLATE, Thrust	1	
20	RA7491						BLADE, Pump	2	
21	MS16624-1062						RING, Retaining	1	
22	RB7779-2						SPLINE, Drive	1	A, B
22	RD7779-4						SPLINE, Drive	1	C
23	RA7791						ROTOR, Pump	1	
24	MS16625-1112						RING, Retaining	1	
25	RA6861						SEAL	1	
	RB16043						HOUSING ASSEMBLY	1	
26	RA7493						LINER	1	
27	RS16903-55						PIN, Straight, headless	1	
28	RA7754						BEARING	1	
29	RS16903-55						PIN, Straight, headless	1	
30	RD7492						HOUSING, Pump	1	
31	RA3485-1						PLUG, Pipe	1	A, C
	AN932C2						PLUG, Pipe	3	B

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

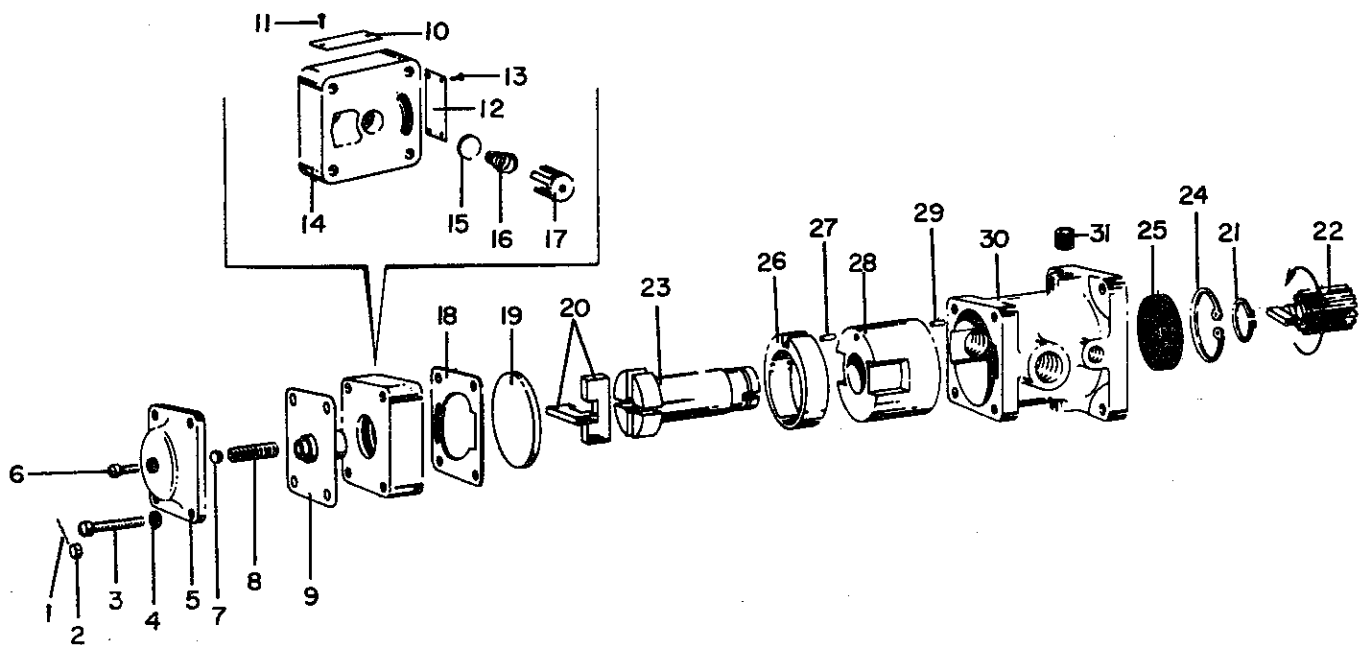


Figure 9-8. Lear-Siegler Fuel Pump

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-9 - MARVEL-SCHEBLER CARBURETORS, MA-4SPA

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	10-3678-12						CARBURETOR, MA-4SPA, Avco Lycoming 69250	1	A
	10-3678-32						CARBURETOR, MA-4SPA, Avco Lycoming 72394	1	B
	10-4910						CARBURETOR, MA-4SPA, Avco Lycoming 77279	1	C
	10-5009						CARBURETOR, MA-4SPA, Avco Lycoming 78728	1	D
1	10-3689-1						BODY ASSY., Carburetor	1	A
1	10-4331						BODY ASSY., Carburetor	1	B, C
1	10-5018						BODY ASSY., Carburetor	1	D
2	15-474						SCREW, Throttle body to bowl	4	A, B
2	15-B107						SCREW, Throttle body to bowl	4	C, D
	15-A14						SCREW, Pump inlet strainer housing	1	A, B
	15-A14						SCREW, Pump inlet strainer housing	2	C, D
4	16-222						GASKET, Main nozzle	1	
5	16-224						GASKET, Pump discharge check valve seat	1	A, B, C
6	16-A16						GASKET, Strainer housing	1	
7	16-A28						GASKET, Pump discharge check valve	1	
8	16-A107						GASKET, Power jet	1	
9	17-372						ROD, Pump connecting	1	
10	24-432						SPRING, Pump leather expanding	1	
11	36-525						VALVE ASSY., Pump inlet check	1	
12	36-540						VALVE ASSY., Pump discharge check	1	
	16-434						GASKET, Pump discharge	1	
13	36-253						SEAT, Pump discharge check valve	1	
14	34-78						VALVE, Pump discharge check valve	1	
15	24-A60						SPRING, Pump discharge check valve	1	
16	36-247						SEAT, Pump discharge check valve spring	1	
17	99-8						PLUG, Pump discharge check valve	1	A, B
17	99-34						PLUG, Pump discharge check valve	1	C, D
18	37-7						PLUG, Idle drill lower	1	
19	47-741						NOZZLE AND POWER JET ASSY., Main	1	A
19	47-773						NOZZLE AND POWER JET ASSY., Main	1	B
19	47-806						NOZZLE ASSEMBLY, Complete	1	C
19	47-813						JET, Power	1	D
20	78-5						WASHER, Lock pump strainer housing	2	A, B
21	78-121						WASHER, Special lock, pump inlet strainer housing	2	
22	78-345*						WASHER, Special lock, throttle body to bowl screw	4	A
22	78-358						WASHER, Flat, throttle body to bowl screw	4	B
23	78-A110						WASHER, Lock, throttle body to bowl screw	4	C, D
23	78-360						WASHER, Lock, throttle body to bowl screw	4	A
24	82-9						PIN, Cotter, throttle body to bowl screw	4	A
25	82-11*						PIN, Cotter, pump connecting rod	1	A, C, D
25	82-11						PIN, Cotter, pump connecting rod	2	B
26	95-54						SCREEN, Pump inlet strainer	1	A, B, D
27	99-8						PLUG, Bowl drain	1	A, B
27	99-34						PLUG, Bowl drain	1	C, D
28	110-173						FLANGE, Retainer, pump inlet strainer housing	1	
29	194-581*						PLUNGER ASSY., Pump (complete)	1	
30	221-76						HOUSING, Pump inlet strainer	1	
31	229-587						TUBE ASSEMBLY, Idle	1	
	229-550						PUMP DISCHARGE TUBE ASSEMBLY	1	C
	16-676						KIT, Gasket	1	
	286-1063						KIT, Repair	1	A
	286-1285						KIT, Repair	1	B
	286-1550						KIT, Repair	1	C
	286-1568						KIT, Repair	1	D

* - Indicates part of repair kit.

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

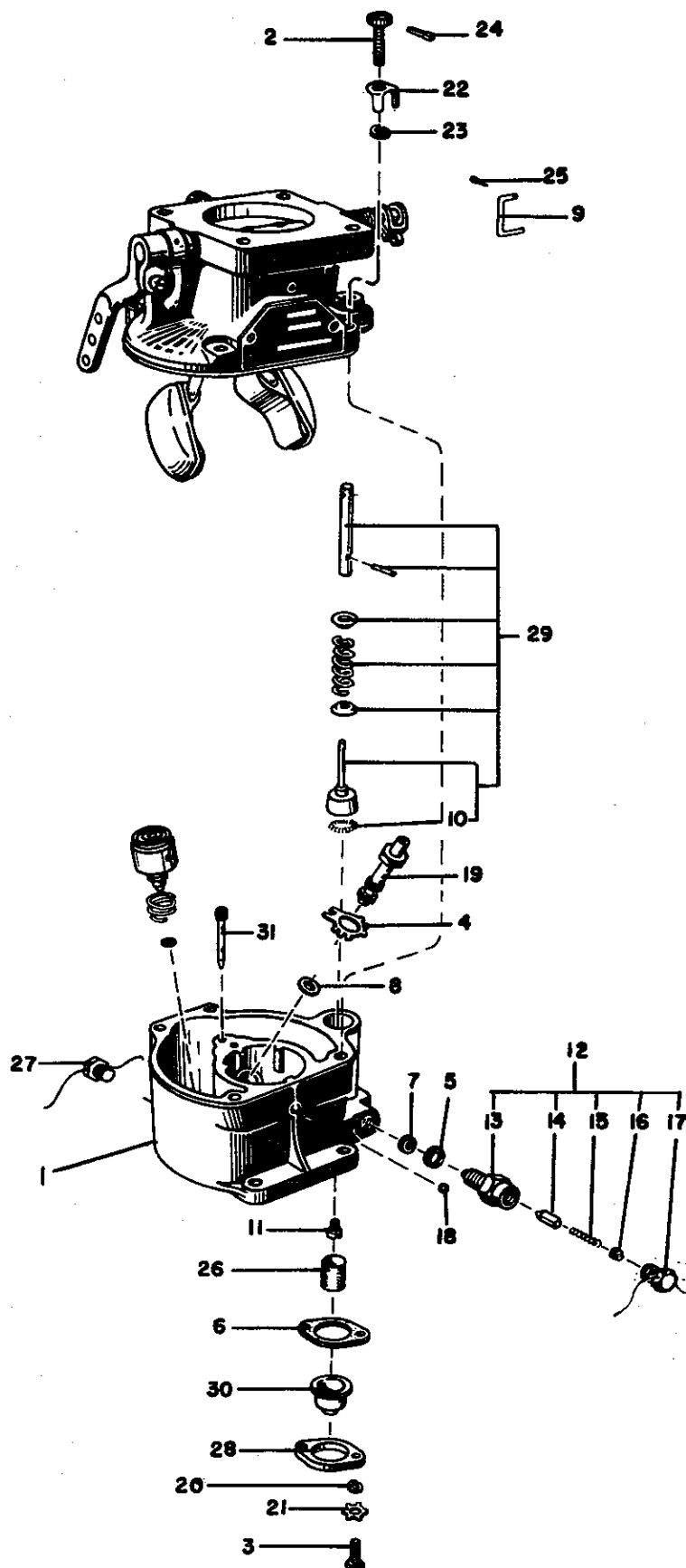


Figure 9-9. Marvel-Schebler Carburetor, MA-4SPA

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-9A - MARVEL-SCHEBLER CARBURETORS, MA-4SPA (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
1	227-1488						BODY AND BOWL COVER ASSY., Throttle	1	A
1	227-1656						THROTTLE BODY ASSEMBLY	1	B, C
1	227-1929						THROTTLE BODY ASSEMBLY	1	D
2	12-1094						THROTTLE LEVER AND SCREW ASSY.	1	C
2	12-798						LEVER ASSEMBLY, Throttle	1	A, B, D
3	13-828*						SHAFT AND STOP ASSY., Throttle	1	
4	14-190						VALVE, Throttle	1	
5	15-A21						SCREW, Float bracket, no. 4-40 x 1/4	2	
6	15-42						SCREW, Throttle stop, 8-32 x 3/4	1	
7	15-483*						SCREW & LOCKWASHER, Throttle valve, 6-32 x 1/4	2	
8	15-493						SCREW, Clamp, throttle lever, no. 10-24 x 5/8	1	A, B, C
8	15-A297						SCREW, Throttle lever, no. 10-24 x 5/8	1	D
9	15-A1						SCREW, Pump lever	1	
10	15-A13						SCREW, Mixture control lever	1	A, B
10	15-B108						SCREW, Control lever	1	C, D
11	16-224						GASKET, Float valve seat	1	A, B, C
12	16-A28						GASKET, Mixture metering valve head	1	A, B, C
12	44-190						PACKING, "V" block (mixture metering valve head)	1	C, D
13	16-471						GASKET, Idle adjusting needle	1	
14	16-A222						GASKET, Throttle body to bowl	1	A, B
14	16-A17						GASKET, Throttle body to bowl	1	D
14	16-B75						GASKET, Throttle body to bowl	1	C
15	16-A36						GASKET, Strainer assembly	1	
16	24-262						SPRING, Throttle stop screw	1	
17	24-480						SPRING, Mixture metering valve head	1	
18	24-A56*						SPRING, Idle adjusting needle	1	
19	24-A10						SPRING, Throttle opening	1	
20	29-113						CLIP, Venturi retaining	3	
21	30-628						FLOAT AND LEVER ASSEMBLY	1	A, B
21	30-759						FLOAT AND LEVER ASSEMBLY	1	C, D
22	32-32						SHAFT, Float lever	1	
	37-7						PLUG, Idle drill, upper	1	
24	43-564						NEEDLE, Idle adjusting	1	
25	44-49						PACKING, Pump stem	1	
26	46-A33						VENTURI, Primary	1	
27	46-A2						VENTURI, Main	1	
28	49-180						JET ECONOMIZER	1	B, C
29	55-270						CUP, Idle adjusting needle	1	A, B, D
30	60-260						BUSHING, Throttle shaft	2	
31	78-184						WASHER, Mixture control valve packing retainer	1	
32	78-184						WASHER, Mixture control valve, thrust	1	
33	78-356						WASHER, Horseshoe	1	
34	78-357						WASHER, Special lock, mixture control lever	1	A, B
34	78-A-109						WASHER, Special lock, mixture control lever	1	C, D
35	78-388						WASHER, Pump stem packing retainer	1	
36	82-11						PIN, Cotter, float lever shaft	1	
37	82-11						PIN, Cotter, mixture control lever	1	
38	95-509						STRAINER ASSEMBLY	1	
39	136-58						BRACKET, Float	1	
40	155-226						LEVER, Pump	1	A, B, C
41	155-597						LEVER ASSEMBLY, Mixture control	1	
42	233-583						VALVE AND SEAT ASSY., Float	1	A, B
42	233-615						FLOAT VALVE SEAT & GASKET ASSY., Matched	1	C, D
43	242-514						VALVE ASSY., Mixture metering	1	
	29-184						CLIP, Float valve	1	C
	29-193						CLIP, Float valve	1	C, D
	78A-128						WASHER, Special lock, throttle lever	1	D

* - Indicates part of repair kit.

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

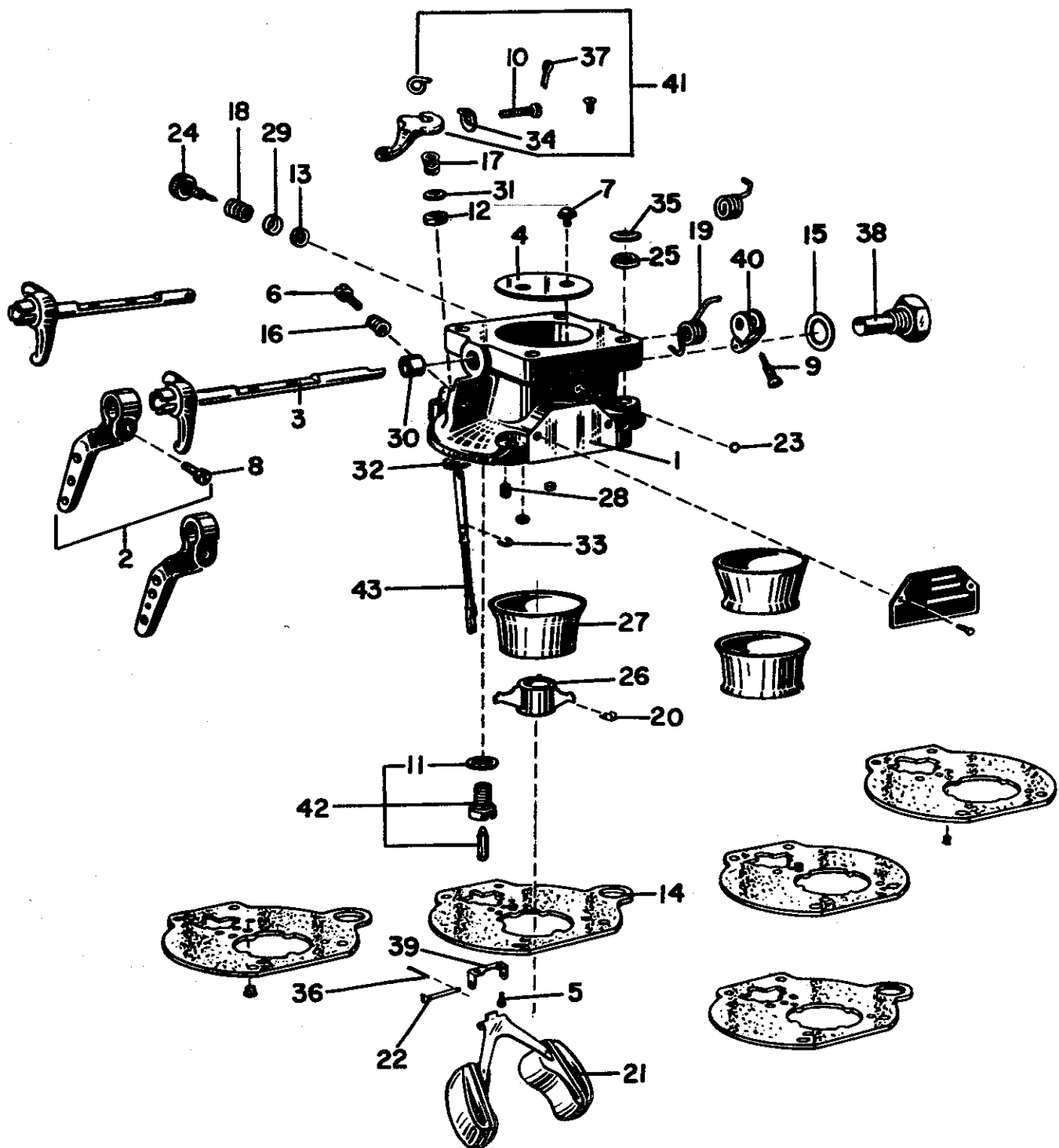


Figure 9-9A. Marvel-Schebler Carburetor, MA-4SPA

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-10 - BENDIX FUEL INJECTORS, RSA5AD1

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
	2524145-5						FUEL INJECTOR, Bendix, Model RSA5AD1, Avco Lycoming P/N 74534	1	A
	2524242-3						FUEL INJECTOR, Bendix, Model RSA5AD1, Avco Lycoming P/N 76082	1	B
	2524307-3						FUEL INJECTOR, Bendix, Model RSA5AD1, Avco Lycoming P/N 77260	1	C
	2524328-3						FUEL INJECTOR, Bendix, Model RSA5AD1, Avco Lycoming P/N 77543	1	D
	2524335-3						FUEL INJECTOR, Bendix, Model RSA5AD1, Avco Lycoming 77597	1	E
	328617						SEAL, Aluminum	1	
2	367828						PLATE, Identification	1	
3	186739						SCREW, Self tapping	2	
4	132906						PLUG, Threaded, 7/16-20	2	
5	951787						PACKING, Preformed	2	
6	2522709						PLUG, Machine thread	1	A, B, C, D
7	2522712						STRAINER ASSEMBLY	1	
8	2522710						ADAPTER	1	
9	951789						PACKING, Preformed	2	
10	P61195						PLUG, Taper seat, 1/4-28	3	
11	367719						ELBOW, Tube 90°	1	
12	367720						NUT, Universal fitting	1	
13	951787						PACKING	1	
14	2525165						SPRING, Helical extension	1	
15	901200K1						PIN, Cotter, 1/2 x 1/16 in.	2	
16	911244						WASHER, Flat	1	
17	177718						WASHER, Spring	1	
18	2522022						PIN, Straight headed	1	
19	901200K1						PIN, Cotter	1	
20	911242						WASHER, Flat	1	
21	P19821						WASHER, Spring	1	
22	2522021						PIN, Straight headed	1	
23	367418						LINK	1	
24	367547						SCREW ASSEMBLY, Idle	1	
25	367544						LINK	1	
26	2522004						LEVER, Mixture control	1	
27	187313						NUT, Self locking, hex, 5/16-24	1	
28	399847						SCREW, Machine, no. 10-24 x 3/4 in.	1	
29	199596						WASHER, Flat	1	
30	2525318						SPACER	1	
31	188595						WASHER, Flat	2	
32	79216						SCREW, Machine, no. 10-24 x 1/2 in.	1	
33	2520879						PLATE, Mixture	1	
34	909281K35						PIN, Spring	1	
35	2523840						BUSHING, Mixture control	1	
36	338491						WASHER, C	1	
37	367694						HOLDER, Spring	1	
38	2523757						SPRING, Helical compression	1	
39	951401						PACKING, Preformed	1	
40	2520878						BUSHING, Sleeve	1	
41	953516-10						PACKING, Preformed	1	
42	2522591						LEVER ASSEMBLY, Mixture control	1	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

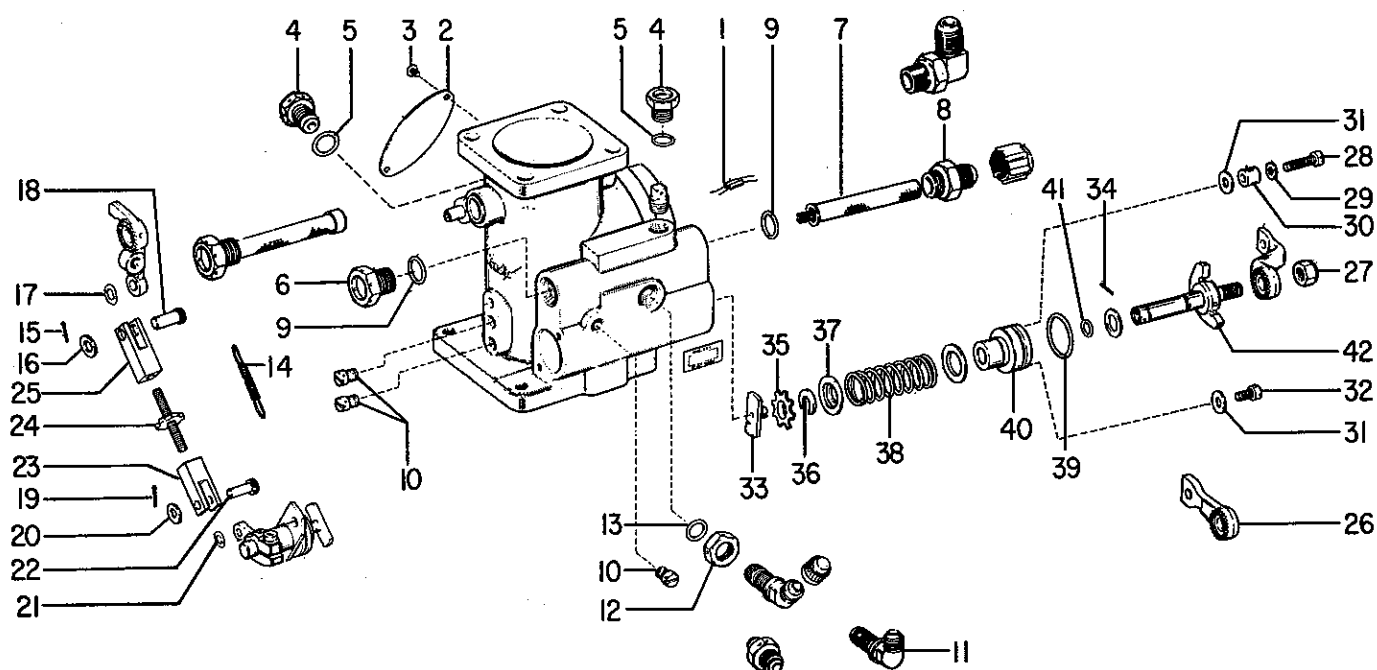


Figure 9-10. Bendix Fuel Injector, RSA-5AD1

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-10A - BENDIX FUEL INJECTORS, RSA5AD1 (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
1	2523718						LEVER ASSEMBLY, Idle valve	1	A, B, C
1	2525152						LEVER ASSEMBLY, Idle valve	1	D, E
2	79216						SCREW, Machine, no. 10-24 x 1/2 in.	2	
3	911242						WASHER, Flat	2	
4	P21818						SCREW, Machine, no. 8-32 x 1/2 in.	1	
5	P22198						WASHER, Flat	1	
6	909329K35						PIN, Spring	1	
7	2526408						BUSHING, Idle valve shaft	1	
8	2522326						PLATE, Idle valve	1	
9	367757						WASHER	1	
10	953516-10						PACKING, Preformed	1	
11	951400						PACKING, Preformed	1	
12	2525195						VALVE, Mixture control	1	
13	951400						PACKING, Preformed	1	
14	2525494						PACKING, Preformed	1	
15	2521974						VALVE, Idle	1	A, B, C, E
15	2520626						VALVE, Idle	1	D
16	2537499						NUT, Plain, hex. no. 10-32	1	
17	2537500						SCREW, Stop	1	
18	362842						SCREW, Machine	6	
19	911242						WASHER, Flat	6	
20	2537498						PLUG, Hex, 3/4-20	1	
21	365533						WASHER	1	
22	2523501						COVER	1	
23	178491						NUT, Self-locking, no. 2-56	1	
24	2529180						WASHER, Flat	1	
25	2529181						HOLDER, Spring	1	
26	2520625						SPRING, Helical, compression	1	
27	2529182						BUSHING	1	
28	2529183						BUSHING	1	
29	2529470						DIAPHRAGM ASSEMBLY	1	
30	2520652						SPRING, Helical compression	1	
31	2520882						BODY, Regulator (when exhausted use 2523506)	1	
31	2523506						BODY, Regulator	1	
32	367727						SHIM	AR	
33	2529188						BUSHING ASSEMBLY	1	
34	2529471						DIAPHRAGM ASSEMBLY	1	
35	2529184						SEAT ASSEMBLY	1	
36	2529294						SHIM, Laminated	1	
37	P21819						SCREW, Machine, no. 10-24 x 1/2 in.	1	
38	911242						WASHER, Flat	1	
39	951437						PACKING, Preformed	3	
40	367969						VENTURI ASSEMBLY	1	
41	P70249						TUBE, Impact	4	
42	2523509						VENTURI	1	
43	367639						VALVE, Throttle	1	
44	P4235						SCREW, Machine, no. 8-32	2	
45	901045K12						WASHER	2	
46	2521196						LEVER	1	
47	901209K1						PIN, Cotter, 1/16 x 1/2 in.	1	
48	900848K36						NUT, Castellated, hex, 5/16-24	1	
49	904269K1						SCREW, Machine, 1/4-28	1	C
50	2523432						SCREW ASSEMBLY, Idle adjusting	1	A, B, D, E
51	P60219						SPRING, Helical compression	1	
52	2521976						STOP, Throttle	1	
53	909329K35						PIN, Spring	1	
54	367631						SHAFT ASSY., Throttle	1	
55	2521984						BODY ASSEMBLY, Main	1	

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES SECTION 9 - VENDOR ACCESSORY SECTION 9-10A - BENDIX FUEL INJECTORS, RSA5AD1 (CONT.)

REF. NO.	PART NUMBER	1	2	3	4	5	DESCRIPTION	QTY. PER ENG.	MODEL USAGE
56	2525969						STOP, Throttle	1	
57	909311K35						PIN, Spring	1	
58	367725						BUSHING, Sleeve	2	
59	384583						INSERT	4	

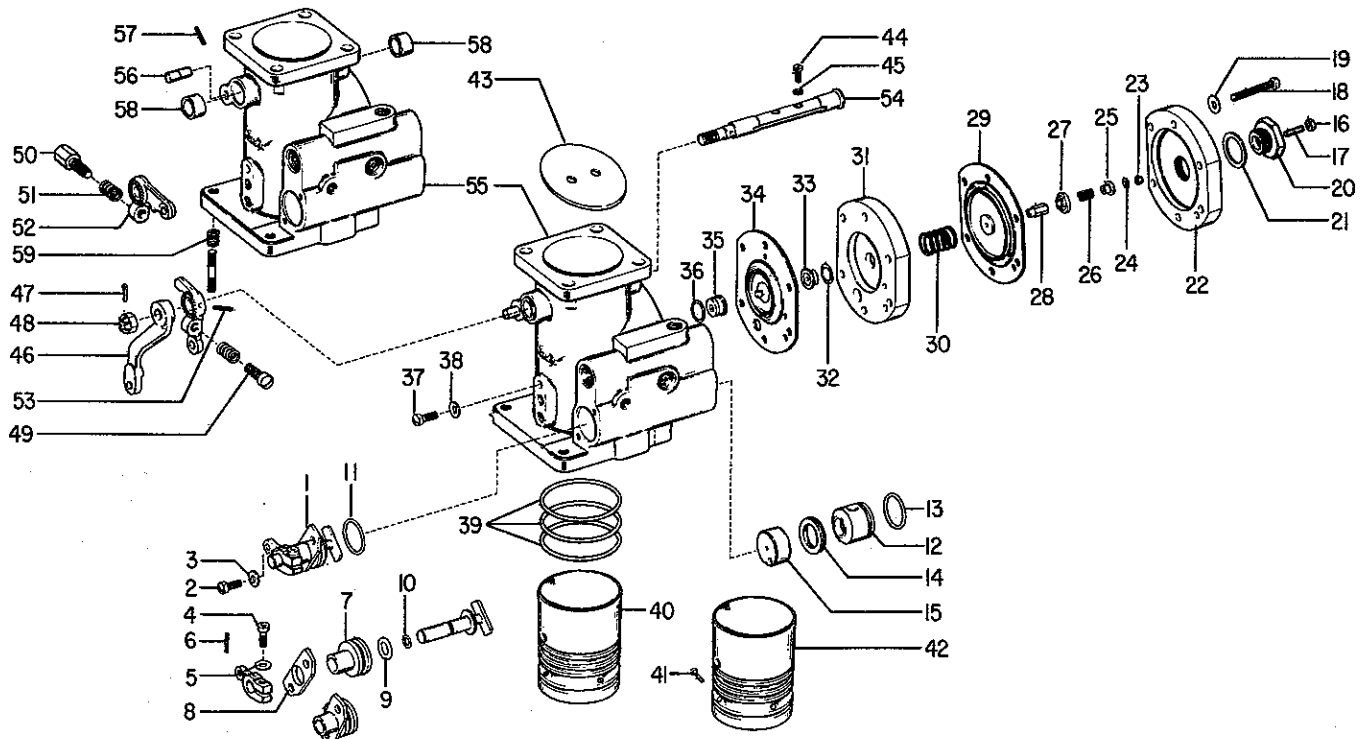
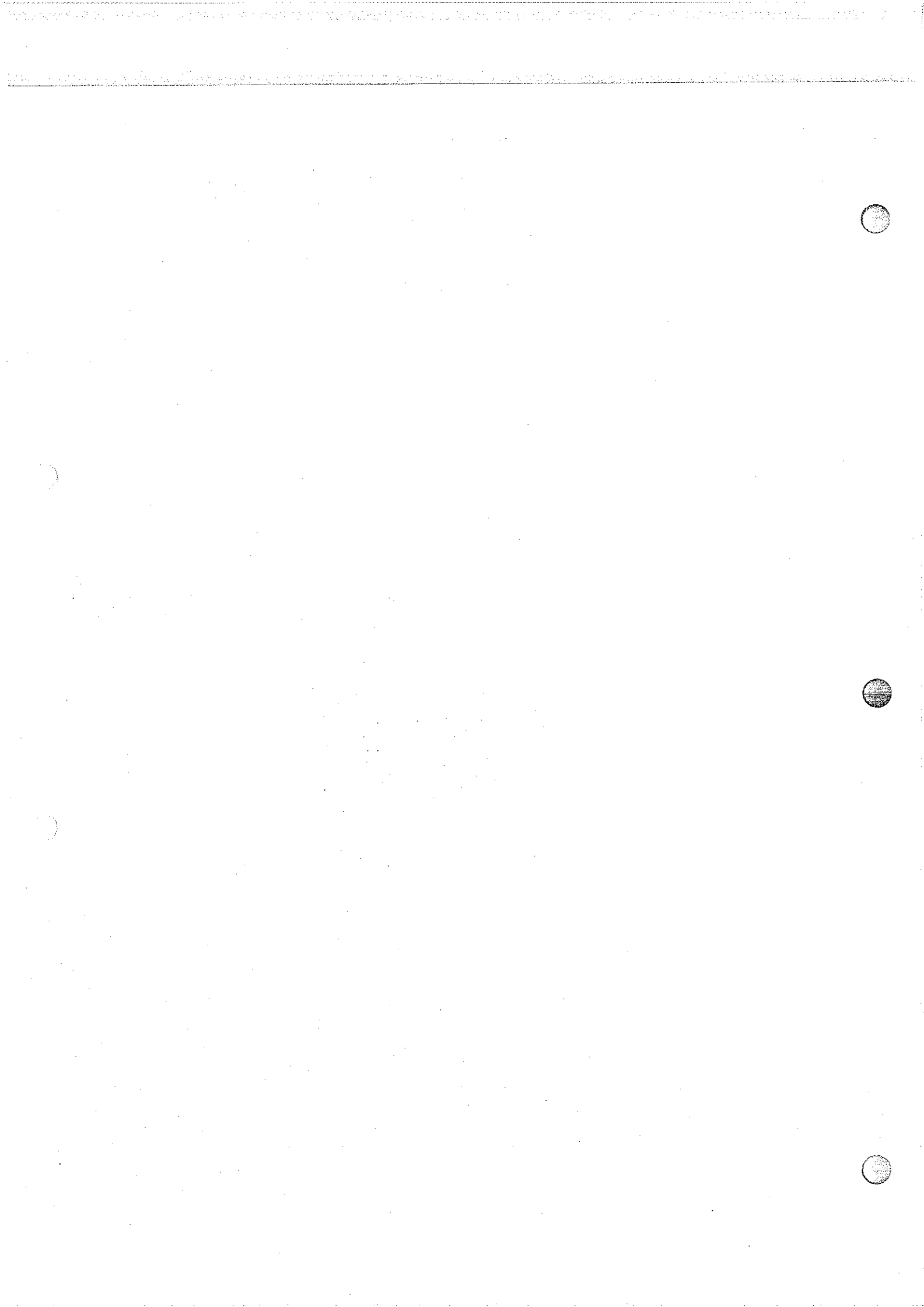


Figure 9-10A. Bendix Fuel Injector, RSA-5AD1



AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

Section 10 Numerical

AVCO LYCOMING PARTS CATALOG

O-320, IO-320 AND LIO-320 SERIES

SECTION 10

NUMERICAL INDEX

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES NUMERICAL INDEX PARTS SECTION

PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
AN6-12	5-2-17	Bolt	1	STD-8	2-6-9	Washer	4
AN6-13	5-2-39	Bolt	1	STD-8	2-8-7	Washer	6
AN6-14	5-2-17	Bolt	1	STD-8	2-8-8	Washer	2
AN6-16	5-2-39	Bolt	1	STD-8	2-8-9	Washer	24
AN6-32	5-1-24	Bolt	1	STD-8	2-8-14	Washer	AR
AN6-32	5-2-17	Bolt	1	STD-8	2-9-12	Washer	8
AN365-632C	4-2-14	Nut	4	STD-8	2-9-13	Washer	4
AN365-632C	4-3	Nut	4	STD-8	2-9-12	Washer	2
AN365-632C	6-5-7	Nut	4	STD-8	2-9-14	Washer	10
AN380C4-2	2-3-2	Pin	1	STD-8	2-9-15	Washer	16
AN456AD4-8	2-1-17	Rivet	1	STD-8	3-4-25	Washer	8
AN456AD4-22	2-1-18	Rivet	1	STD-8	4-2-16	Washer	2
AN500-416-12	4-2-18	Screw	2	STD-8	4-3	Washer	2
AN500-416-12	4-3	Screw	2	STD-8	4-3	Washer	13
AN500-416-18	4-2-18	Screw	2	STD-8	5-1-3	Washer	1
AN500-416-18	4-3	Screw	2	STD-8	6-4	Washer	1
AN777-8D	2-4-31	Elbow	1	STD-8	7-4	Washer	1
AN822-4-4	6-4-9	Elbow	1	STD-33	1-5-1	Washer	4
AN822-5-4D	7-4-10	Elbow	1	STD-33	1-5-1	Washer	2
AN823-6D	3-2-10	Elbow	4	STD-33	1-5-7	Washer	2
AN844-10D	2-4-33	Elbow	1	STD-33	1-5-8	Washer	2
AN901-8A	2-4-30	Gasket	1	STD-33	1-6-5	Washer	6
AN919-6	6-4	Reducer	1	STD-33	2-6-20	Washer	2
MS13997-3	3-3-10	Key	8	STD-33	5-1-22	Washer	AR
MS13998-3	3-3-11	Cap	4	STD-33	5-2-18	Washer	1
MS16625-1081	1-6-14	Ring	1	STD-33	5-2-18	Washer	AR
MS16625-1125	5-2	Ring	2	STD-33	5-2-19	Washer	AR
MS21919F12	6-4-3	Clip	4	STD-33	5-2-41	Washer	AR
MS29512-6	6-1	Seal	1	STD-33	6-1-3	Washer	2
MS29512-6	6-1-23	"O" Ring	2	STD-33	6-1-8	Washer	2
MS29512-6	6-4	Seal	1	STD-35	2-3-7	Washer	3
MS29512-6	7-4	"O" Ring	1	STD-35	2-6-15	Washer	4
M-1455	4-6-7	Spring	4	STD-35	2-7-6	Washer	4
M-1458	4-6-9	Ferrule	4	STD-35	2-7-11	Washer	4
M-1498	4-6-8	Electrode	4	STD-35	2-7-16	Washer	32
M-1671	4-6-5	Ferrule	4	STD-35	2-7-16	Washer	4
M-1673	4-6-10	Nut	4	STD-35	5-1-14	Washer	1
M-1677	4-6-6	Sleeve	4	STD-35	5-1-21	Washer	AR
M-1735-22	4-6-1	Lead	1	STD-35	5-2-7	Washer	AR
M-1735-23	4-6-3	Lead	1	STD-35	5-2-13	Washer	1
M-1735-29	4-6-2	Lead	1	STD-35	5-2-24	Washer	1
M-1735-29	4-6-3	Lead	1	STD-35	5-4-2	Washer	4
M-1735-30	4-6-4	Lead	1	STD-35	6-1-13	Washer	4
M-1735-32	4-6-1	Lead	1	STD-35	6-1-13	Washer	16
M-1735-36	4-6-4	Lead	1	STD-35	6-1-18	Washer	4
M-1735-38	4-6-2	Lead	1	STD-35	6-2-3	Washer	4
M-1738	4-6-11	Sleeve	4	STD-35	6-3-4	Washer	4
STD-8	1-5-2	Washer	16	STD-35	6-3-9	Washer	4
STD-8	1-5-5	Washer	3	STD-35	7-2-3	Washer	8
STD-8	1-5-6	Washer	AR	STD-35	7-4-7	Washer	3
STD-8	2-3	Washer	2	STD-68	2-8-16	Pin	2
STD-8	2-3-10	Washer	10	STD-68	5-1-10	Pin	2
STD-8	2-3-11	Washer	2	STD-68	5-2-9	Pin	2
STD-8	2-4-6	Washer	3	STD-82	6-3-17	Screw	4
STD-8	2-4-6	Washer	4	STD-91	2-9-10	Plug	1
STD-8	2-4-21	Washer	4	STD-111	2-9-17	Gasket	1
STD-8	2-5-31	Washer	2	STD-160	1-2-6	Washer	6
STD-8	2-5-34	Washer	1	STD-160	1-5-2	Washer	8
STD-8	2-5-37	Washer	3	STD-160	1-5-3	Washer	2
STD-8	2-6-3	Washer	8	STD-160	1-5-3	Washer	1
STD-8	2-6-3	Washer	4	STD-160	1-5-5	Washer	3

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES NUMERICAL INDEX PARTS SECTION

PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
STD-160	2-3-10	Washer	10	STD-619	1-1-20	Bushing	8
STD-160	2-3-11	Washer	2	STD-669	5-2-29	Washer	1
STD-160	2-4-20	Washer	1	STD-670	6-4-7	Nut	4
STD-160	2-5-32	Washer	2	STD-670	6-4	Nut	1
STD-160	2-5-35	Washer	1	STD-670	6-4	Nut	2
STD-160	2-5-38	Washer	3	STD-676	5-2-30	Nut	1
STD-160	2-5-42	Washer	1	STD-678	1-5-1	Washer	2
STD-160	2-6-4	Washer	8	STD-684	3-4-16	Nipple	4
STD-160	2-6-4	Washer	4	STD-696	2-5-40	Washer	AR
STD-160	2-6-10	Washer	4	STD-700	7-4-10	Elbow	1
STD-160	2-8-7	Washer	6	STD-705	1-6-17	Screw	4
STD-160	2-8-8	Washer	2	STD-705	1-7-3	Screw	2
STD-160	2-8-9	Washer	12	STD-713	5-1-11	Pin	1
STD-160	2-9-12	Washer	8	STD-713	5-2-21	Pin	1
STD-160	2-9-14	Washer	4	STD-713	5-2-43	Pin	1
STD-160	2-9-14	Washer	10	STD-714	2-3-2	Pin	1
STD-160	2-9-15	Washer	8	STD-783	1-1-18	Plug	1
STD-160	2-9-12	Washer	2	STD-783	2-2-19	Plug	1
STD-160	3-4-26	Washer	8	STD-783	2-7	Plug	1
STD-160	4-2-17	Washer	2	STD-784	2-1-12	Plug	1
STD-160	4-3	Washer	2	STD-784	2-2-13	Plug	1
STD-160	4-4	Washer	1	STD-847	1-3-11	Screw	1
STD-160	5-1-4	Washer	3	STD-853	6-5-8	Tee	3
STD-160	6-3-18	Washer	1	STD-860	6-4-5	Screw	4
STD-160	6-4	Washer	1	STD-860	6-4	Screw	1
STD-208	2-5-4	Oil Seal	1	STD-860	6-4	Screw	2
STD-208	2-5-21	Seal	1	STD-872	1-5-7	Nut	1
STD-213	1-7-14	Seal	1	STD-872	1-5-8	Nut	1
STD-251	6-3-16	Washer	4	STD-872	5-1-23	Nut	1
STD-294	2-4-5	Gasket	1	STD-872	5-2-20	Nut	1
STD-294	2-4-5	Gasket	2	STD-872	5-2-42	Nut	1
STD-294	2-4-24	Gasket	1	STD-938	2-5-27	Dowel	1
STD-294	2-4-28	Gasket	1	STD-957	4-2-5	Grommet	4
STD-295	4-7-3	Gasket	8	STD-1006	2-1-19	Ring	1
STD-347	3-4-17	Hose	4	STD-1006	2-2-17	Ring	1
STD-406	7-3	Dowel	2	STD-1045	1-2-13	Gasket	1
STD-425	1-2-12	Washer	AR	STD-1045	2-8-18	Gasket	1
STD-425	6-4-6	Washer	4	STD-1065	1-3-3	Dowel	1
STD-425	6-4	Washer	1	STD-1065	1-4-8	Dowel	1
STD-425	6-4	Washer	2	STD-1102	1-1-8	Plug	5
STD-460	6-4	Screw	1	STD-1102	2-1-11	Plug	2
STD-475	2-6-16	Washer	4	STD-1102	2-1-13	Plug	1
STD-475	2-7-7	Washer	4	STD-1102	2-2-12	Plug	2
STD-475	2-7-12	Washer	4	STD-1102	2-2-14	Plug	1
STD-475	2-7-17	Washer	4	STD-1102	2-5-29	Plug	1
STD-475	4-1-7	Washer	4	STD-1102	2-7-3	Plug	1
STD-475	5-4-3	Washer	4	STD-1102	2-9-11	Plug	2
STD-475	6-1-14	Washer	4	STD-1102	3-2	Plug	4
STD-475	6-1-19	Washer	4	STD-1102	6-5	Plug	4
STD-475	6-3-10	Washer	4	STD-1196	3-4-21	Hose	4
STD-475	7-2-4	Washer	8	STD-1197	1-5-1	Bolt	2
STD-475	7-4-8	Washer	1	STD-1198	1-6-6	Bolt	6
STD-514	1-1-13	Dowel	2	STD-1199	1-6-9	Pin	1
STD-548	2-5-22	Seal	1	STD-1202	5-4-4	Bolt	1
STD-551	2-8-6	Plug	1	STD-1204	2-3-10	Bolt	10
STD-551	2-9-9	Plug	2	STD-1204	2-8-7	Bolt	6
STD-553	4-2-13	Screw	4	STD-1204	2-8-9	Bolt	12
STD-553	4-3	Screw	4	STD-1204	2-9-12	Bolt	8
STD-553	6-5-6	Screw	4	STD-1204	2-9-15	Bolt	8
STD-557	1-1-1	Dowel	2	STD-1204	2-9-12	Bolt	2
STD-596	1-5-1	Nut	2	STD-1205	1-5-7	Bolt	1

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES NUMERICAL INDEX PARTS SECTION

PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
STD-1211	1-3-2	Plug	1	STD-1623	1-1-14	Insert	2
STD-1215	1-5-4	Bolt	2	STD-1727	4-1-6	Washer	4
STD-1215	2-5-43	Bolt	1	STD-1727	5-1-20	Washer	1
STD-1215	3-4-27	Bolt	8	STD-1727	5-2-12	Washer	1
STD-1215	5-1-6	Bolt	2	STD-1727	5-2-25	Washer	1
STD-1221	2-6-24	Ring	1	STD-1727	5-2-28	Washer	2
STD-1227	2-3	Washer	2	STD-1763	6-2-5	Locknut	4
STD-1227	2-8-12	Washer	2	STD-1763	6-3-6	Locknut	4
STD-1269	3-4-22	Clamp	8	STD-1774	1-7-13	Pin	1
STD-1323	5-4-4	Bolt	1	STD-1774	2-5-3	Pin	1
STD-1339	2-3-3	Plug	1	STD-1774	2-5-30	Pin	1
STD-1339	2-5-28	Plug	1	STD-1774	2-7-5	Pin	1
STD-1339	2-5-29	Plug	1	STD-1791	1-4-12	Bolt	4
STD-1409	1-5-6	Nut	3	STD-1791	1-6-13	Bolt	4
STD-1409	2-3	Nut	2	STD-1817	5-1-7	Bolt	3
STD-1409	2-8-15	Nut	2	STD-1817	5-2-11	Bolt	2
STD-1410	1-6-18	Nut	1	STD-1817	5-2-15	Bolt	1
STD-1410	2-6-17	Nut	4	STD-1817	5-2-23	Bolt	2
STD-1410	2-7-8	Nut	4	STD-1817	5-2-38	Bolt	1
STD-1410	2-7-13	Nut	4	STD-1834	5-1-12	Bolt	1
STD-1410	2-7-18	Nut	4	STD-1835	5-1-13	Bolt	1
STD-1410	4-1-8	Nut	4	STD-1836	5-1-12	Bolt	1
STD-1410	5-4-5	Nut	3	STD-1836	5-2-5	Bolt	1
STD-1410	6-1-15	Nut	4	STD-1837	5-1-13	Bolt	1
STD-1410	6-1-20	Nut	4	STD-1837	5-2-6	Bolt	1
STD-1410	6-2-4	Nut	4	STD-1838	5-2-4	Bolt	4
STD-1410	6-3-5	Nut	4	STD-1838	5-2-45	Bolt	2
STD-1410	6-3-11	Nut	4	STD-1838	7-4-9	Bolt	1
STD-1410	7-2-5	Nut	8	STD-1851	5-2-5	Bolt	1
STD-1411	1-5-2	Nut	8	STD-1851	5-2-6	Bolt	1
STD-1411	1-5-3	Nut	2	STD-1856	2-4-7	Screw	4
STD-1411	1-5-3	Nut	1	STD-1856	2-4-22	Screw	3
STD-1411	2-4-19	Nut	1	STD-1858	5-2-23	Bolt	1
STD-1411	2-5-33	Nut	2	STD-1872	3-2-8	Insert	8
STD-1411	2-5-36	Nut	1	STD-1872	3-2-8	Insert	4
STD-1411	2-6-5	Nut	8	STD-1874	4-4	Screw	4
STD-1411	2-6-5	Nut	4	STD-1874	4-5	Screw	3
STD-1411	2-6-11	Nut	4	STD-1882	6-1-4	Screw	2
STD-1411	2-8-8	Nut	2	STD-1884	2-4-7	Screw	3
STD-1411	2-8-9	Nut	12	STD-1884	2-4-7	Screw	4
STD-1411	2-9-14	Nut	4	STD-1889	5-2-27	Bolt	2
STD-1411	2-9-14	Nut	10	STD-1897	6-3-19	Bolt	1
STD-1411	2-9-15	Nut	8	STD-1901	2-8-21	Drive Stud	4
STD-1411	3-3-18	Nut	4	STD-1901	2-9-20	Drive Stud	4
STD-1411	4-2-19	Nut	2	STD-1904	2-3	Bolt	2
STD-1411	4-3	Nut	2	STD-1916	4-4	Screw	1
STD-1411	4-4	Nut	1	STD-1919	1-2-5	Screw	6
STD-1411	5-1-8	Nut	1	STD-1924	3-4-18	Clamp	8
STD-1411	6-4	Nut	1	STD-1925	3-4-9	Screw	24
STD-1414	1-5-2	Bolt	8	STD-1925	4-4	Screw	3
STD-1414	2-3-11	Bolt	2	STD-1926	1-6-17	Bolt	3
STD-1416	1-5-6	Bolt	3	STD-1930	7-4-4	Hose	1
STD-1419	1-5-5	Bolt	3	STD-2032	6-1-3	Washer	2
STD-1420	2-3-8	Nut	3	STD-2033	5-2-6	Bolt	1
STD-1420	5-1-15	Nut	2	STD-2069	5-2-38	Bolt	1
STD-1420	5-2-8	Nut	2	STD-2072	2-5	"O" Ring	1
STD-1433	2-8-13	Bolt	2	STD-2084	1-5-3	Bolt	1
STD-1499	6-3-19	Bolt	1	STD-2084	1-5-3	Bolt	2
STD-1530	3-4-22	Clamp	8	STD-2084	5-1-5	Bolt	1
STD-1592	2-6-21	Bolt	2	STD-2090	1-5-10	Nut	2
STD-1592	6-1-9	Bolt	2	STD-2090	3-4-15	Nut	16

AVCO LYCOMING AIRCRAFT ENGINE GROUP ASSEMBLY PARTS LIST

O-320, IO-320, LIO-320 SERIES
NUMERICAL INDEX PARTS SECTION

PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
10-13799	4-4-17	Nut	6	31C-40	2-2-16	Stud	4
10-13799	4-5-20	Nut	1	38-13	1-1-5	Stud	16
10-32326	4-5-29	Spring	8	38-14	1-1-5	Stud	16
10-35936-6	4-5-9	Screw	8	38D-17	1-1-15	Stud	1
10-78916	4-4-18	Bracket	3	50-14	1-1-4	Stud	8
10-89027-4	4-5-21	Bracket	1	50-15	1-1-4	Stud	8
10-91431-8	4-4-16	Screw	6	50-16	1-1-4	Stud	8
10-91431-8	4-5-19	Screw	1	383-B	3-4-14	Nut	16
10-90404-4	4-5-10	Nut	8	1025-B	1-1-5	Stud	16
10-163007	4-4-20	Grommet	4	1028-B	1-2-10	Ball	1
10-163011	4-4-11	Ferrule	8	1691-C	2-6-13	Gasket	1
10-163011	4-5-22	Ferrule	8	1691-C	6-1	Gasket	1
10-163012	4-4-12	Eyelet	8	1691-C	6-1-11	Gasket	2
10-163012	4-5-23	Eyelet	8	1182-B3	4-7-2	Spark Plug	8
10-209328	4-4-13	Strap	7	1182-E3	4-7-2	Spark Plug	8
10-209328	4-5-26	Tie	5	1182-F3	4-7-2	Spark Plug	8
10-320050	4-5-16	Grommet	2	1182-F5	4-7-2	Spark Plug	8
10-320283	4-5-11	Clamp	8	1182-J5	4-7-2	Spark Plug	8
10-320297-1	4-4-24	Clamp	3	1182-L3	4-7-1	Spark Plug	8
10-320297-1	4-4-27	Clamp	1	1182-M4	4-7-2	Spark Plug	8
10-320297-2	4-5-12	Clamp	1	1182-N3	4-7-2	Spark Plug	8
10-320297-2	4-5-27	Clamp	1	1182-N4	4-7-2	Spark Plug	8
10-320297-3	4-4-21	Clamp	3	1182-P2	4-7-2	Spark Plug	8
10-320298-1	4-4-22	Clamp	3	1182-T4	4-7-2	Spark Plug	8
10-320298-1	4-5-13	Clamp	3	1182-U4	4-7-2	Spark Plug	8
10-320298-2	4-4-23	Clamp	2	1182-V1	4-7-1	Spark Plug	8
10-320298-2	4-5-15	Clamp	2	1182-X2	4-7-2	Spark Plug	8
10-320298-3	4-4-28	Clamp	1	8313	2-6-1	Gasket	1
10-320300-1	4-5-18	Clamp	1	8313	2-6-1	Gasket	2
10-320328	4-4-26	Bracket	3	8313	2-6-12	Gasket	1
10-320394	4-5-17	Plate	2	40239	4-2	Protector	4
10-320401	4-4-19	Plate	2	40239	4-3	Protector	4
10-320411	4-4-15	Screw	2	40239	4-4	Protector	4
10-320411	4-5-25	Screw	1	40239	4-5	Protector	4
10-320412-1	4-4-14	Clamp	2	45664	4-2-1	Cable	AR
10-320412-3	4-5-24	Clamp	1	45688	1-6-4	Flange	1
10-320471	4-4-25	Tubing	23.2	60009	3-3-9	Key	8
10-320471	4-5-14	Tubing	65.3	60028	3-2-4	Guide	4
10-320473	4-5-30	Sleeve	8	60053	3-3-19	Seal	8
10-320610-58	4-4-2	Lead	1	60096	2-6-18	Gasket	1
10-320610-59	4-4-6	Lead	1	60096	6-1-2	Gasket	1
10-320610-60	4-5-2	Lead	1	60096	6-1-7	Gasket	1
10-320610-68	4-5-7	Lead	1	60329	2-3-1	Shaft	1
10-320610-69	4-5-4	Lead	1	60398	3-4-3	Bushing	4
10-320610-72	4-4-1	Lead	1	60401	3-4-6	Shaft	4
10-320610-72	4-4-4	Lead	1	60430	2-6-2	Cover	1
10-320610-72	4-5-1	Lead	1	60430	2-6-2	Cover	2
10-320610-75	4-4-5	Lead	1	60430	2-6-7	Cover	1
10-320610-75	4-4-8	Lead	1	60431	2-6-14	Cover	1
10-320610-78	4-5-5	Lead	1	60431	6-1-17	Cover	1
10-320610-79	4-5-3	Lead	1	60670	4-2-6	Plate	2
10-320610-82	4-5-8	Lead	1	60733	5-1-9	Shim	AR
10-320610-87	4-4-7	Lead	1	60746	2-3-5	Impeller	1
10-320610-87	4-5-6	Lead	1	60747	2-3-6	Impeller	1
10-320610-91	4-4-3	Lead	1	60803	1-5-9	Strap	1
10-349224	4-4-10	Grommet	2	60820	2-8-10	Gasket	1
10-349661-1	4-4-9	Plate	2	60828	3-1-6	Plug	8
25C-10-P03	2-4-18	Stud	1	60882	1-6-2	Gear	1
31C-38	2-1-15	Stud	4	60886	5-4	Belt	1
31C-38	2-2-16	Stud	4	61098	2-5-2	Adapter	1
31CD-22	2-2-11	Stud	1	61155	1-3-9	Gear	1

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
61156	1-3-10	Lockplate	1	61668	2-1-7	Stud	2
61163	4-1-2	Gear	1	61668	2-1-8	Stud	2
61165	2-3-9	Seal	1	61668	2-2-7	Stud	2
61173	2-4-3	Gasket	1	61668	2-2-8	Stud	2
61174	2-3-4	Shaft	1	61850	2-9-8	Stud	4
61183	2-5-1	Gasket	1	62224	4-1-3	Gasket	3
61183	2-6-6	Gasket	1	62224	4-1-3	Gasket	4
61238	2-1-4	Stud	3	62224	4-1-3	Gasket	2
61238	2-1-5	Stud	1	62224	4-1-3	Gasket	1
61238	2-2-4	Stud	3	62254	6-5-4	Clip	4
61238	2-2-5	Stud	1	62281	7-3-4	Gage	1
61247	3-4-8	Cover	4	62388	3-3-11	Cap	4
61260	7-2-2	Flange	4	62415	2-4-26	Plunger	1
61261	1-1-10	Stud	2	62417	2-4-23	Plug	1
61261	2-1-6	Stud	2	62815	2-4-1	Housing	1
61261	2-1-7	Stud	2	62817	2-4-4	Screen	1
61261	2-1-8	Stud	2	62833	5-5	Regulator	1
61261	2-1-9	Stud	2	65007	1-1-9	Retainer	8
61261	2-2-6	Stud	2	65074	3-3-13	Socket	8
61261	2-2-7	Stud	2	65098	2-6-19	Cover	1
61261	2-2-8	Stud	2	65098	6-1-6	Cover	1
61261	2-2-9	Stud	2	65321	7-2-1	Gasket	4
61261	2-9-8	Stud	4	65441	3-3-5	Seat	4
61261	3-2-7	Stud	8	65441	3-3-6	Seat	4
61262	2-5-9	Stud	1	65567	3-3-3	Spring	8
61265	2-1-10	Stud	3	65819	1-4-2	Bushing	4
61265	2-2-10	Stud	2	66145	2-5-11	Dowel	2
61265	2-2-11	Stud	1	66224	6-2-1	Gasket	1
61358	2-8-19	Plug	1	66224	6-3-2	Gasket	1
61363	3-4-20	Pipe	2	66224	6-3-3	Gasket	1
61364	3-4-20	Pipe	1	66610	3-2-11	Bushing	16
61365	3-4-20	Pipe	1	66734	1-1-2	Stud	2
61376	2-8-3	Connection	2	66734	1-1-3	Stud	2
61377	2-8-4	Connection	2	66796-P10	3-2-6	Insert	8
61378	2-8-17	Screen	1	67447	1-2-1	Bearing	4
61381	2-8-11	Tube	1	67447	1-2-1	Bearing	8
61385	4-2-15	Clip	2	67453	1-1-12	Dowel	6
61385	4-3	Clip	2	67528	1-1-11	Stud	1
61387	1-1-21	Sleeve	1	67528	2-1-6	Stud	2
61400	2-1-2	Stud	2	67528	2-2-6	Stud	2
61400	2-2-2	Stud	2	67556	2-7-4	Stud	4
61400	2-9-6	Stud	4	68315	2-7-2	Gasket	1
61476-S	1-4-1	Conn. Rod	4	68316	2-7-4	Stud	4
61510	1-3-7	Plug	1	68316	6-3-8	Stud	4
61544	1-7-6	Plunger	1	68317	2-6-22	Shaftgear	1
61544	6-1-5	Plunger	1	68437	2-8-5	Stud	4
61546	4-2-4	Sleeve	12	68437	2-9-7	Stud	4
61548	2-8-20	Plate	1	68510	3-2-9	Stud	4
61548	2-9-19	Plate	1	68512	3-1	Ring	--
61559	4-2-9	Grommet	2	68513	3-1	Ring	--
61561	4-2-8	Plate	2	68517	3-3-16	Spring	8
61566	4-1	Kit	2	68518	3-3-17	Lockplate	4
61566	4-1	Kit	1	68532	7-4-1	Tube	1
61581-2	6-5-2	Tube Assy.	2	68593	2-6-8	Spacer	4
61581-3	6-5-3	Tube Assy.	1	68604	4-3	Clamp	4
61581-3	6-5-3	Tube Assy.	2	68604	7-4-2	Clip	2
61581-9	6-5-1	Tube Assy.	2	68626	5-5	Regulator	1
61665	4-1-2	Gear	1	68628	5-5	Relay	1
61665	4-1-2	Gear	2	68633	2-1-16	Shield	1
61666	4-1-4	Adapter	1	68639	1-4-9	Gear	1
61666	4-1-4	Adapter	2	68639	1-6-7	Gear	1

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
68668	1-2-11	Spring	1	69742	2-5-20	Cover	1
68749	1-6-15	Shaft	2	69796	1-1-12	Dowel	6
68753	1-6-10	Spacer	1	69796	1-1-12	Dowel	8
68757	1-6-8	Shaft	1	69796	1-1-12	Dowel	2
68759	3-4-19	Tube	1	69827	2-5-44	Gasket	1
68760	3-4-19	Tube	1	69942	2-5-23	Stud	2
68761	3-4-19	Tube	2	69942	2-5-24	Stud	1
68764	5-3-1	Generator	1	69943	2-1-5	Stud	1
68765	5-3-1	Generator	1	69943	2-2-5	Stud	1
68767	5-3-1	Generator	1	69951	5-1-16	Strut	1
68769	1-4-7	Camshaft	1	70310	3-3-20	Seal	8
68867	1-6-1	Support Assy.	1	70347	2-5-7	Dual Drive Assy.	1
68870	5-1-1	Bracket	1	70348	2-5-7	Dual Drive Assy.	1
68872	5-5	Regulator	1	70419	5-2-1	Bracket	1
68939	1-6-3	Spacer	1	70419	5-2-2	Bracket	1
68942	1-6-1	Support Assy.	1	70482	2-9-4	Connection	4
68972	2-8-1	Gasket	1	70484	2-9-16	Screen	1
68972	2-9-1	Gasket	1	71011	7-4-1	Tube	1
68974	2-4-1	Housing	1	71023	2-5-41	Brace	1
69106	2-7-9	Cover	1	71032	1-1-19	Bushing	8
69113	5-1-1	Bracket	1	71133	3-4-12	Nut	16
69116	7-3-5	Gage	1	71134	3-4-13	Nut	16
69159	1-7-12	Adapter	1	71140	2-4-34	Fitting	1
69164	1-7-11	Gasket	1	71349	5-5	Relay	1
69250	6-2-2	Carburetor	1	71350	5-5	Regulator	1
69260-P10	3-2-6	Insert	8	71397	4-1-1	Magneto	1
69316	2-5-14	Gear	1	71397	4-1-1	Magneto	2
69318	2-5-26	Shaft	1	71398	4-1-1	Magneto	1
69319	2-5-12	Gear	1	71432	4-1-1	Magneto	2
69320	2-5-39	Capscrew	3	71481	3-4-10	Ring	4
69335	2-9-18	Plug	1	71489	4-3-1	Plug	8
69345	3-3-15	Spacer	4	71551	7-3-6	Gage	1
69370	2-8-2	Sump	1	71556	3-1	Ring	--
69373	1-4-5	Bearing	8	71571	4-1	Kit	1
69376	1-1-6	Stud	2	71574	4-1	Kit	2
69377	1-1-2	Stud	2	71574	4-1	Kit	1
69377	1-1-3	Stud	2	71577	1-3-8	Tube	4
69436	2-4-25	Spring	1	71579	5-4	Belt	1
69444	3-4-2	Rocker	4	71594	3-1	Piston	--
69452	5-1-1	Bracket	1	71596	2-5-17	Washer	2
69457	3-1	Ring	--	71596	2-6-23	Washer	1
69510	2-4-2	Housing	1	71596	2-5-13	Washer	1
69531	3-4-11	Plate	7	71596	2-5-6	Washer	1
69531	3-4-11	Plate	8	71610	7-1-3	Hook	2
69532	3-3-8	Seat	4	71611	7-1-2	Retainer	2
69551	2-7-10	Gasket	1	71620	2-4-29	Bolt	1
69602	2-9-5	Connection	4	71621	7-4-2	Clip	2
69603	3-4-21	Hose	4	71621	7-4-6	Clip	1
69650	3-1-5	Pin	4	71622	7-4-1	Tube	1
69675	2-4-27	Connector	1	71623	2-4-32	Washer	1
69679	1-1-6	Stud	2	71646	1-6-16	Lockplate	2
69719	2-5-20	Cover	1	71714	1-2-14	Plug	1
69720	2-5-19	Gasket	1	71744	5-3-1	Generator	1
69722	2-5-25	Stud	1	71745	5-5	Regulator	1
69724	2-5-10	Stud	3	71824	4-3	Clamp	2
69725	2-5-8	Adapter	1	71840	3-1	Cylinder	--
69730	2-5-15	Gear	1	71841	3-1	Cylinder	--
69731	2-5-16	Bushing	1	71844	3-1	Cylinder	--
69737	2-5-45	Spacer	1	71909	6-5-5	Clamp	4
69740	2-1-4	Stud	3	71910	6-5-5	Clamp	4
69740	2-2-4	Stud	3	71913	4-2-12	Clamp	4

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
71913	4-3	Clamp	4	73117	2-2-15	Tube	1
71969	3-1	Cylinder	--	73136	6-4-14	Bracket	1
71973	3-4-24	Gasket	4	73149	3-1	Cylinder	--
71979	5-5	Regulator	1	73152	6-4-11	Bracket	1
71980	5-3-1	Generator	1	73231	2-5-18	Gear	1
72050	3-3-10	Seat	8	73245	4-2-3	Eyelet	8
72053	2-7-15	Gasket	1	73245	4-2-10	Eyelet	8
72057	3-2-2	Seat	4	73245	4-3-11	Eyelet	8
72058	3-2-3	Seat	4	73246	4-2-7	Kit	2
72063	1-3-5	Bushing	3	73346	3-4-23	Flange	4
72063	1-3-5	Bushing	5	73360	4-1-1	Magneto	1
72064	1-3-6	Bushing	2	73383	5-2-3	Lockplate	2
72065	1-3-4	Bushing	1	73383	5-2-44	Lockplate	1
72066	1-3-4	Bushing	1	73411	3-4-1	Rod	AR
72067	1-3-5	Bushing	5	73412	3-4-1	Rod	AR
72067	1-3-5	Bushing	3	73413	3-4-1	Rod	AR
72068	1-3-6	Bushing	2	73414	3-4-1	Rod	AR
72075	1-2-7	Seal	6	73650	6-4-4	Clip	4
72077	5-5	Regulator	1	73726	4-2-2	Lockclip	8
72078	1-4-11	Lockplate	2	73729	4-2	Cable & Plate	1
72078	1-6-12	Lockplate	2	73772	1-1-17	Nozzle Assy.	4
72079	1-4-10	Slinger	1	73796	6-4-2	Tube Assy.	2
72079	1-6-11	Slinger	1	73817	1-6-16	Lockplate	2
72091	1-2-8	Ring	2	73818	2-1	Gasket	1
72150	7-1-1	Baffle	2	73818	2-2	Gasket	1
72153	7-1-1	Baffle	2	73857	3-1	Ring	--
72198	3-1-6	Plug	8	73938	3-3-1	Valve	4
72205	5-5	Regulator	1	73952	1-2-4	Plate	1
72230	1-7-1	Shaft	1	73963	6-4-1	Tube Assy.	2
72231	1-7-4	Gear	1	73970	6-4-13	Hose	1
72311	5-5	Regulator	1	73971	6-4-12	Clamp	1
72312	7-3-3	Ring	1	73971	6-4-12	Clamp	2
72351	4-2-11	Screw	8	73972	2-1-1	Housing	1
72351	4-3	Screw	8	73974	6-4-13	Hose	1
72351	4-5-28	Screw	8	73998	3-1	Ring	--
72362	2-8-2	Sump	1	74059	3-1	Piston	--
72368	2-7-14	Cover	1	74065	7-3-3	Ring	1
72394	6-2-2	Carburetor	1	74068	7-3-3	Ring	1
72413	2-4-34	Fitting	1	74068	7-3-7	Ring	1
72453	4-3	Clamp	4	74070	7-4	Elbow	1
72454	3-1	Ring	--	74083	2-9-2	Sump	1
72495	4-1-2	Gear	1	74084	3-4-20	Pipe	4
72498	2-1-1	Housing	1	74151	6-3-13	Nozzle	4
72500	2-1-1	Housing	1	74167	1-4-7	Camshaft	1
72501	2-1-1	Housing	1	74207	6-3-7	Elbow	1
72502	2-1-1	Housing	1	74217	7-3	Ring	1
72503	2-1-1	Housing	1	74225	6-5-9	Nipple	4
72504	2-1-1	Housing	1	74230	3-2-5	Guide	4
72506	2-1-1	Housing	1	74241	3-1	Ring	--
72524	4-1-1	Magneto	1	74291	5-5	Regulator	1
72566	1-6-2	Gear	1	74292	5-5	Regulator	1
72569	7-1-1	Baffle	2	74314	7-3	Plug	1
72695	5-3-1	Generator	1	74323	5-1-17	Strut	1
72815	6-4-10	Bracket	1	74323	5-2-37	Strut	1
72829	1-7-2	Lockplate	1	74324	5-2-16	Bracket	1
72842	7-3	Plug	1	74325	5-1-19	Link	1
72847	7-3-5	Gage	1	74325	5-2-22	Link	1
72877	1-2-9	Body	8	74326	6-3-15	Bracket	1
72970	2-5-5	Gear	1	74327	3-4-11	Plate	1
73050	4-3	Clamp	1	74414	1-6-1	Support Assy.	1
73117	2-1-14	Tube	1	74468	3-1	Cylinder	--

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
74468	3-2-1	Cylinder	4	75302	1-1-7	Dowel	2
74494	3-4	Plate	4	75317	3-1	Cylinder	--
74513	2-9-3	Sump	1	75361	3-1	Cylinder	--
74515	2-1-1	Housing	1	75361	3-2-1	Cylinder	4
74519	5-4	Belt	1	75380	5-2-22	Link	1
74521	3-4-20	Pipe	2	75401	3-1	Kit	--
74522	3-4-20	Pipe	2	75403	3-1	Kit	--
74523	7-3-5	Gage	1	75413	3-1	Piston	--
74524	7-3	Ring	1	75505	6-1-22	Adapter	2
74532	6-4-13	Hose	1	75506	6-1-21	Kit	1
74534	6-3-1	Fuel Injector	1	75507	6-1-21	Kit	1
74541	3-3-2	Valve	4	75511	5-2-1	Bracket	1
74543	6-4-8	Hose	1	75512	5-2-2	Bracket	1
74554	3-3-6	Seat	4	75528	2-4-10	Kit	1
74586	6-4-8	Hose	1	75545	2-7-1	Adapter	1
74636	3-4-4	Rocker	4	75626	2-1-20	Plug	1
74637	3-4-5	Bushing	4	75626	2-2-18	Plug	1
74646	1-4-4	Nut	8	75686	6-1	Elbow	1
74661	5-5	Relay	1	75722	2-7-1	Adapter	1
74667	1-4-3	Bolt	8	75730	7-4-3	Tube	1
74673	3-1	Ring	--	75735	7-3-1	Tube	1
74732	6-4-8	Hose	1	75736	7-3-2	Tube	1
74804	5-5	Relay	1	75739	7-4	Nipple	1
74816	5-3-3	Pulley	1	75767	7-3-2	Tube	1
74842	6-3-12	Spacer	1	75772	3-3-14	Tube	8
74878	5-3-4	Fan & Baffle	1	75854	3-1	Cylinder	--
74989	3-1	Ring	--	75868	3-1	Cylinder	--
74996	1-7-7	Gear	1	75868	3-2-1	Cylinder	4
74996	1-7-7	Gear	2	75888	2-1-2	Stud	2
75009	6-3-15	Bracket	1	75888	2-1-3	Stud	4
75010	1-3-1	Crankshaft	1	75888	2-2-2	Stud	2
75011	1-3-1A	Crankshaft	1	75888	2-2-3	Stud	4
75012	1-3-1B	Crankshaft	1	75896	4-1-1	Magneto	1
75042	3-1	Cylinder	--	75897	4-1-1	Magneto	1
75042	3-2-1	Cylinder	4	75906	3-4-7	Gasket	4
75044	3-1	Cylinder	--	75907	3-1	Cylinder	--
75068	3-3-2	Valve	4	75907	3-2-1	Cylinder	4
75072	1-7-8	Gear	1	75919	2-1-1	Housing	1
75089	3-1	Piston	--	75920	6-1-16	Spacer	4
75135	6-1	Baffle	1	75924	1-7-10	Shaftgear	1
75153	2-7-1	Adapter	1	75941	4-3	Tape	1
75154	1-1-2	Stud	2	75944	2-4-8	Valve	1
75154	1-1-3	Stud	2	75965	4-1-5	Clamp	4
75155	1-1-6	Stud	2	76026	5-4	Belt	1
75156	1-1-16	Stud	1	76028	5-1-18	Link	1
75158	1-6-15	Shaft	2	76028	5-2-10	Link	1
75165	7-4-5	Clip	1	76075	4-3-12	Magneto Plate	2
75166	7-4-3	Tube	1	76081	3-3-2	Valve	4
75167	7-4-3	Tube	1	76082	6-3-1	Fuel Injector	1
75183	3-1	Cylinder	--	76086	3-1	Cylinder	--
75183	3-2-1	Cylinder	4	76086	3-2-1	Cylinder	4
75184	3-1	Cylinder	--	76097	1-4-6	Camshaft	1
75184	3-2-1	Cylinder	4	76098	1-4-6	Camshaft	1
75188	3-1	Cylinder	--	76103	2-2-1	Housing	1
75188	3-2-1	Cylinder	4	76104	2-2-1	Housing	1
75220	5-3-2	Alternator	1	76105	2-2-1	Housing	1
75246	6-1-1	Pump	1	76106	2-2-1	Housing	1
75247	6-1-1	Pump	1	76107	2-2-1	Housing	1
75251	6-4-8	Hose	1	76108	2-2-1	Housing	1
75252	6-4-9	Elbow	1	76110	2-2-1	Housing	1
75278	6-3-14	Manifold	1	76111	2-2-1	Housing	1

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
76112	2-2-1	Housing	1	77044	1-2-2	Bearing	1
76113	2-2-1	Housing	1	77260	6-3-1	Fuel Injector	1
76116	2-2-1	Housing	1	77279	6-2-2	Carburetor	1
76118	1-6-10	Spacer	1	77309	1-7-5	Bushing	1
76119	2-2	Shield	1	77309	1-7-9	Bushing	2
76121	1-6-8	Shaft	1	77377	1-2-3	Seal	1
76188	6-1-10	Pump	1	77462	3-1	Kit	--
76210	5-4-1	Starter	1	77476	3-1	Cylinder	--
76211	5-4-1	Starter	1	77526	7-3-2	Tube	1
76212	5-4-1	Starter	1	77543	6-3-1	Fuel Injector	1
76220	1-5-10	Bolt	2	77547	6-3-15	Bracket	1
76220	1-5-11	Bolt	2	77548	6-3-14	Manifold	1
76234	3-1	Kit	--	77597	6-3-1	Fuel Injector	1
76235	3-1	Kit	--	77718	5-2-14	Strut	1
76236	3-1	Kit	--	77742	4-1	Mag. & Harness	1
76239	3-1	Kit	--	77743	4-6	Harness Assy.	1
76273	5-1-2	Bracket	1	77744	4-1	Mag. & Harness	1
76299	2-9-3	Sump	1	77745	4-6	Harness Assy.	1
76354	2-3	Body	1	77756	5-2-16	Bracket	1
76449	3-1	Kit	--	77757	5-2-26	Bracket	1
76486	6-1-10	Pump	1	77808	1-2-16	Valve	1
76496	5-3-2	Alternator	1	77808	1-2-16	Valve	1
76500	3-1	Kit	--	77857	3-1-5	Pin	4
76510	2-4-9	Gasket	1	77907	1-5-10	Spacer	2
76517	6-4-8	Hose	1	77965	2-8-2	Sump	1
76529	1-2-15	Plug	1	77985	4-1-1	Magneto	1
76533	5-2-16	Bracket	1	78027	1-4-3	Bolt	8
76534	5-2-40	Shim	AR	78030-S	1-4-1	Conn. Rod	4
76628	1-6-1	Support Assy.	1	78059	5-5	Relay	1
76648	4-3-10	Grommet	2	78060	5-5	Relay	1
76658	3-1	Kit	--	78206	1-1	Crankcase	1
76659	3-1	Kit	--	78217	1-1	Crankcase	1
76691	2-4-11	Gasket	1	78220	1-1	Crankcase	1
76728	4-3-9	Sleeve	8	78221	1-1	Crankcase	1
76734	4-3	Zip Strap	6	78222	1-1	Crankcase	1
76734	4-6	Zip Strap	8	78223	1-1	Crankcase	1
76753	4-3-6	Sleeving Ring	4	78224	1-1	Crankcase	1
76754	4-3-7	Plate	2	78225	1-1	Crankcase	1
76755	4-3-2	Collar	8	78226	1-1	Crankcase	1
76757	4-3-3	Nut	8	78228	1-1	Crankcase	1
76768	5-2-35	Lockwasher	1	78290	3-3-12	Plunger	8
76769	5-2-36	Locknut	1	78292	4-1-3	Gasket	2
76773	5-4	Switch	1	78308	5-3-2	Alternator	1
76775	5-4	Switch	1	78310	5-3-2	Alternator	1
76818	5-2-22	Link	1	78312	5-3-2	Alternator	1
76852	4-3-10	Grommet	2	78314	5-3-2	Alternator	1
76853	4-3-12	Plate	2	78368	1-6-9	Pin	1
76899	1-6-1	Support Assy.	1	78401	5-3-2	Alternator	1
76906	5-2-16	Bracket	1	78403	5-3-2	Alternator	1
76908	5-2-37	Strut	1	78405	5-3-2	Alternator	1
76923	4-3-5	Cable	AR	78407	5-3-2	Alternator	1
76927	2-2-1	Housing	1	78409	5-3-2	Alternator	1
76940	1-2-3	Seal	1	78513	3-1	Kit	--
76944	1-6-1	Support Assy.	1	78515	3-1	Kit	--
76949	4-1-1	Magneto	1	78516	3-1	Kit	--
76950	4-1-1	Magneto	1	78539	4-3	Cable Assy.	1
76951	1-3-1D	Crankshaft	1	78540	4-3	Cable Assy.	1
76961	4-1	Clamp	4	78542	4-3	Cable Assy.	1
76994	3-3-4	Spring	8	78546	4-3	Cable Assy.	1
76999	1-3-1C	Crankshaft	1	78547	4-3	Cable Assy.	1
77034	1-2-1	Bearing	4	78614	5-2-32	Pulley	1

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PART NO.	FIG-REF. NO.	PART NAME	QTY.	PART NO.	FIG-REF. NO.	PART NAME	QTY.
78616	7-3	Gage	1	LW-10496	1-3-1E	Crankshaft	1
78617	5-2-34	Idler Shaft	1	LW-10501	2-2-1	Accy. Housing	1
78626	7-3	Tube Assy.	1	LW-10518	4-1-1	Magneto	2
78629	5-2-33	Bearing	1	LW-10551	1-6-2	Gear	1
78639	5-2-31	Pulley & Shaft	1	LW-10552	1-6-1	Support Assy.	1
78728	6-2-2	Carburetor	1	LW-10556	5-4	Starter	1
78881	5-3	Extension Assy.	1	LW-10566	1-4-6	Camshaft	1
78955	4-1-1	Magneto	1	LW-10647	1-1-12	Dowel	4
5579983	2-4-16	Gasket	1	LW-10672	5-3-2	Alternator	1
6435683	2-4-15	Filter	1	LW-10729	5-2-22	Link	1
6436048	2-4-12	Nut	1	LW-10751	2-9-2	Sump	1
6436624	2-4-17	Stud	1	LW-10799	6-1-12	Spacer	1
6436636	2-4-13	Gasket	1	LW-11021	1-2-1	Bearing	4
6436638	2-4-14	Gasket	1	LW-11025	1-1	Crankcase	1
LW-10076	3-3-8	Seat	4	LW-11062	1-1	Crankcase	1
LW-10077	3-3-7	Seat	4	LW-11078	1-1	Crankcase	1
LW-10105	2-2-1	Housing	1	LW-11123	4-3	Spacer	8
LW-10124	1-2-1	Bearing	4	LW-11139	5-5	Regulator	1
LW-10179	5-5	Regulator	1	LW-11140	5-5	Regulator	1
LW-10185	5-5	Regulator	1	LW-11145	4-1-1	Magneto	1
LW-10372	5-3-2	Alternator	1	LW-11165	2-2-1	Accy. Housing	1
LW-10388	4-3-4	Elbow	2	LW-11166	6-1-10	Pump	1
LW-10389	4-3-4	Elbow	4	LW-11222	6-2-2	Carburetor	1
LW-10389	4-3-4	Elbow	8	LW-11237	1-1	Crankcase	1
LW-10389	4-3-4	Elbow	6	LW-11305	1-1	Crankcase	1
LW-10390	4-3-4	Elbow	4	LW-11357	5-5	Regulator	1
LW-10400	4-3-8	Ferrule	16	LW-11395	5-3-2	Alternator	1
LW-10475	6-3-13	Nozzle	4	LW-11396	5-3-2	Alternator	1
LW-10491	2-3	Body Assy.	1	LW-620326-2	4-5	Harness	1
				LW-620505-1	4-4	Harness	1