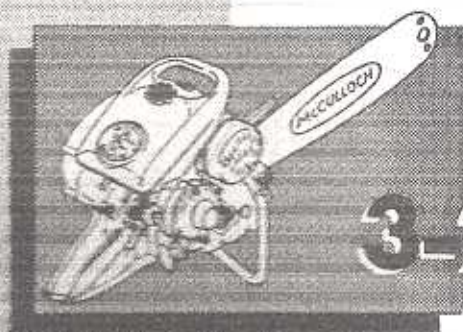
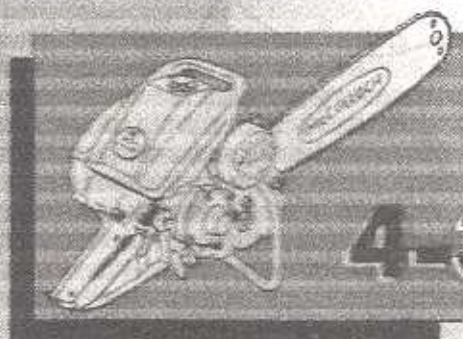


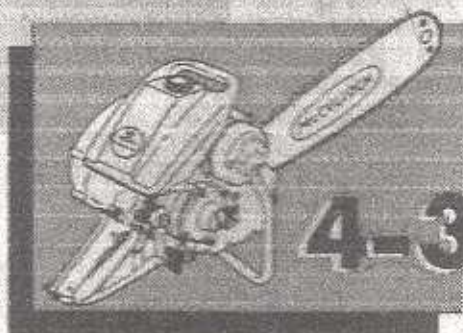
ILLUSTRATED PARTS LIST



3-25



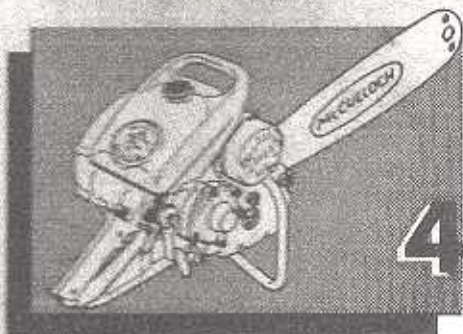
4-30



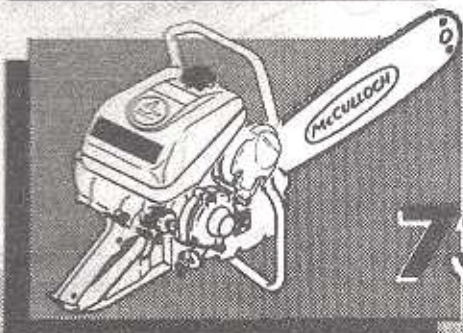
4-30A

This Master Illustrated Parts List gives the name, number and interchangeability between engines, of service and replacement parts which were used on or are presently available for installation on the listed chain saw models.

Information about the List and how to use it will be found on the back cover. Read the information before you start to use the List.



47



73



No. 56773

McCULLOCH CORPORATION
Los Angeles 45, California

3-25, 4-30 SERIES ENGINES

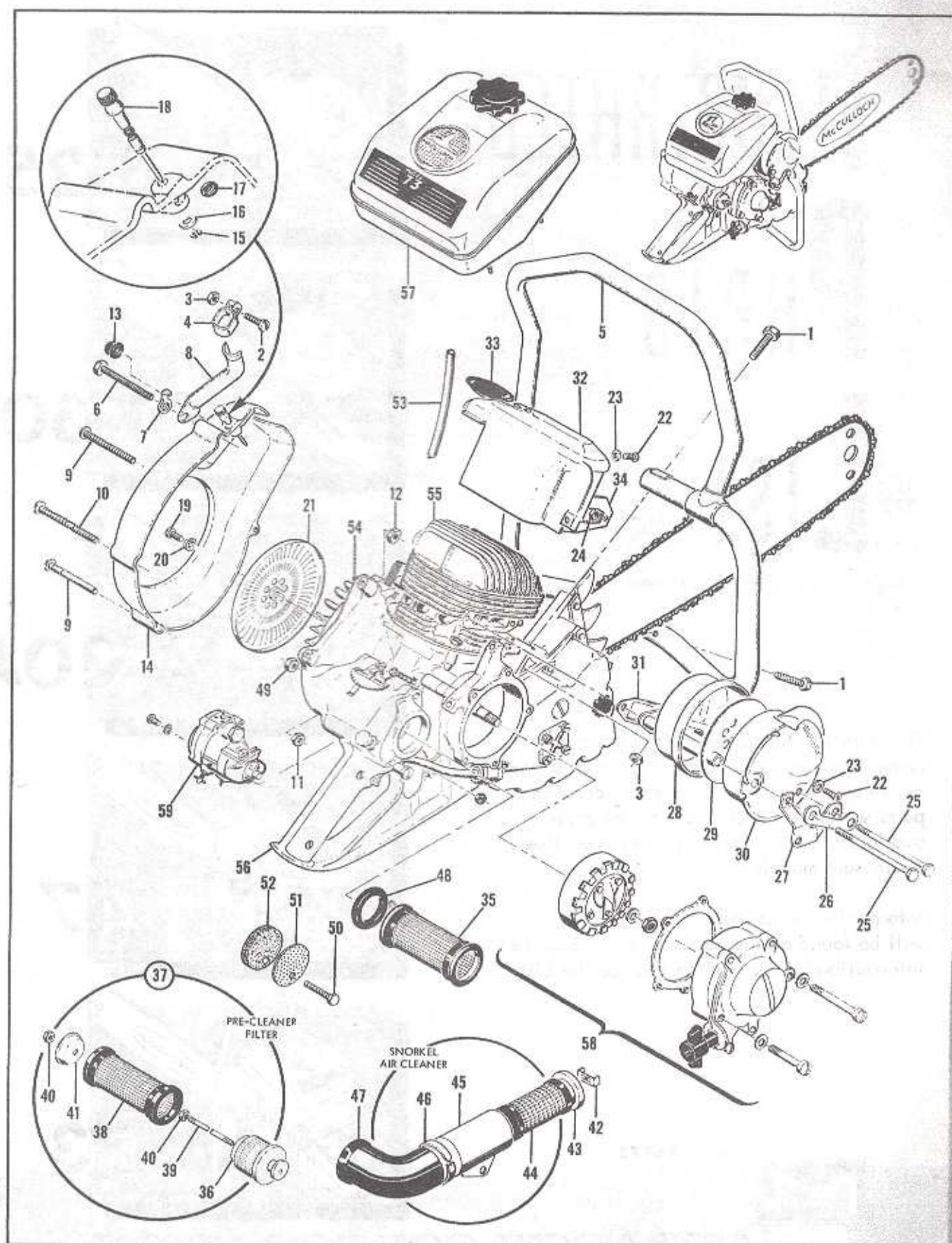


Figure 1. Model 3-25, 4-30, 4-30A, 47 and 73 Chain Saw Engines

FIGURE 1. MODEL 3-25, 4-30, 4-30A, 47 AND 73 CHAIN SAW ENGINES.

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1	2	3 4 5 6 7		
Code: "A" indicates parts used on Model 3-25 engines. "B" indicates parts used on Model 4-30 engines. "C" indicates parts used on Model 4-30A engines. "D" indicates parts used on Model 47 engines. "E" indicates parts used on Model 73 engines. "All" indicates parts used on all five models.				
1-1	102130	Screw - Hex hd 1/4-20 x 1-1/2 in. lg	3	All
-2	103266	Screw - Fil hd 1/4-20 x 3/4 in. lg	1	E
-3	101143	Nut - Hex 1/4-20	3	All
-4	18761A	Clamp	1	E
-5	28213	Frame Assembly	1	ABCD
	47333A	Frame and Spacer Assembly	1	E
-6	101998	Screw - Rd hd 1/4-20 x 2-1/4 in. lg	1	A
	101993	Screw - Rd hd 10-24 x 1-1/2 in. lg	1	CD
	102765	Screw - Hex hd 10-24 x 1-3/4 in. lg	1	BE
-7	28052A	Lockplate	1	E
-8	28606A	Support Assembly - Handle bar	1	E
-9	101994	Screw - Rd hd 10-24 x 1-3/4 in. lg	2	AB
	101993	Screw - Rd hd 10-24 x 1-1/2 in. lg	2	CDE
-10	101997	Screw - Rd hd 1/4-20 x 1-3/4 in. lg	1	All
-11	101191	Nut - Hex 10-24	1	All
-12	101326	Nut - Hex 10-24	1	BCD
	101191	Nut - Hex 10-24	1	AE
-13	19224	Grommet - Frame (Used only with original Frame #19225 and original Housing Assembly #19100A - Both no longer available)	1	A
-14	28316B	Fan Housing Assembly	1	All
-15	101913	. Clip - Spring	1	All
-16	100004	. Washer - Plain 1/4 in.	1	All
-17	28049	. Spring - Ignition shut off	1	All
-18	28048A	. Shaft - Ignition shut off	1	All
-19	101988	Screw - Fil hd 10-24 x 3/8 in. lg	1	All
-20	101194	Lockwasher - No. 10	1	All
-21	19007B	Guard - Sawdust	1	All
-22	101988	Screw - Fil hd 10-24 x 3/8 in. lg	2	All
-23	100002	Washer	2	AB
	100003	Washer - Plain No. 10	2	CDE
-24	101191	Nut - Hex 10-24	1	All
	47282	Muffler Assembly	1	All
-25	102172	. Screw - Hex hd 1/4-20 x 4 in. lg	2	All
-26	28341A	. Lockplate	1	All
-27	28822	. Bracket	1	All
-28	28505	. Bottom - Muffler	1	All
-29	47595	. Baffle Assembly - Muffler	1	All
-30	28798	. Top - Muffler	1	All
-31	28501	Gasket - Exhaust	1	All
-32	19851A	Shroud - Cylinder	1	AB
	28225A	Shroud - Cylinder	1	CD
	28782	Shroud - Cylinder	1	E
-33	19696A	Cover Assembly - Spark plug	1	All
-34	28222A	Jacket - Cylinder	1	All
-35	28750	Air Filter Assembly	1	E
	19792	Filter Assembly - Pre cleaner	1	ABCD
-36	19788	. Body Assembly - Pre cleaner	1	ABCD
-37	19791	. Air Filter and Rod Assembly	1	ABCD
-38	19483A	. . Filter Assembly - Air	1	ABCD
-39	19793	. . Rod - Air filter	1	ABCD
-40	101191	. . Nut - Hex 10-24	2	ABCD
-41	19510A	. . Retainer - Air filter	1	ABCD
	28623	Snorkel Air Cleaner	Alternate	BCDE
-42	103385	. Nut	1	BCDE

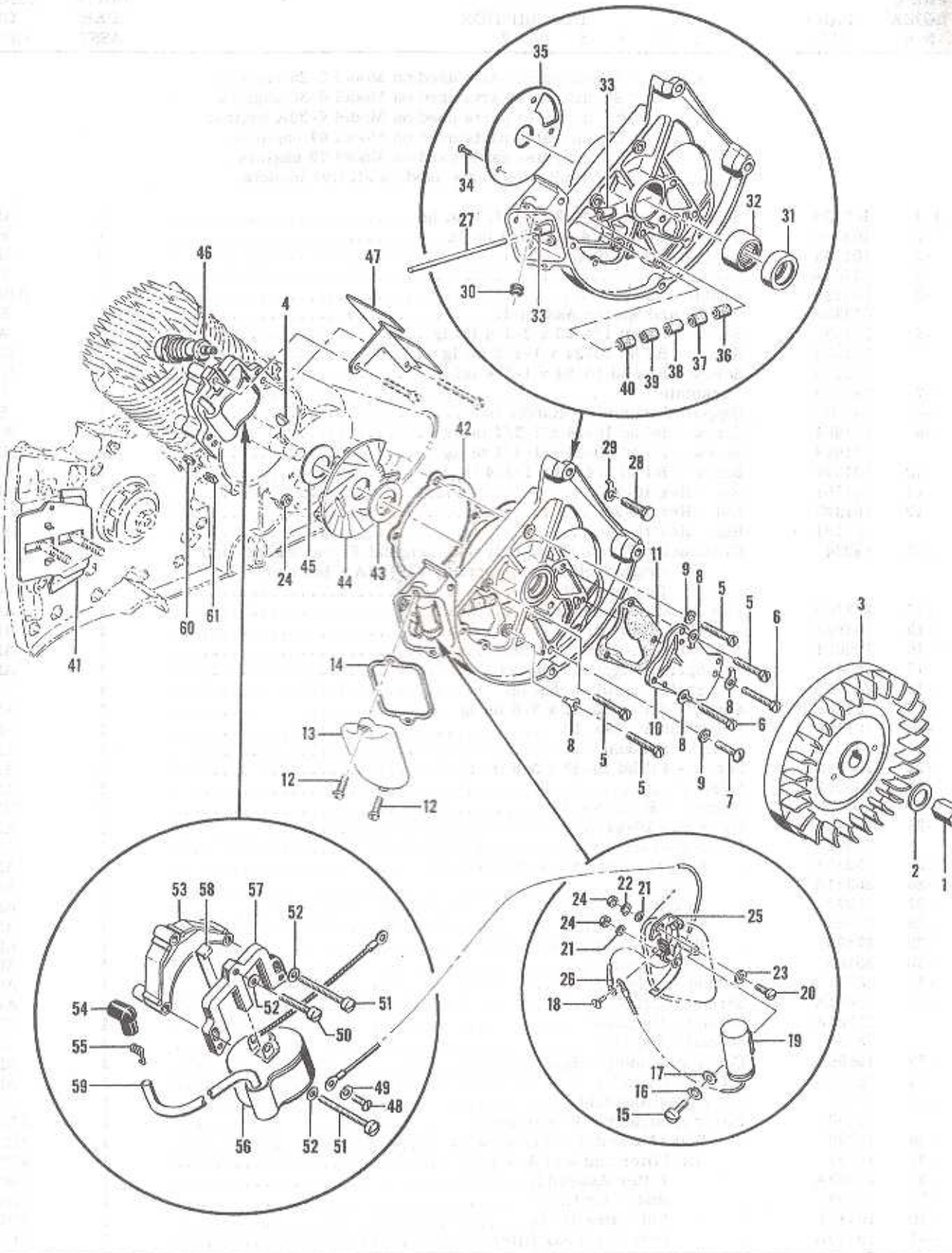


Figure 2. Ignition System, Flywheel, Crankcase Cover and Rotary Valve

FIGURE 1. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
1-43	28629	Cap	1	BCDE
-44	28639	Screen Assembly	1	BCDE
-45	28635	Tube Assembly	1	BCDE
-46	28636	Clamp	1	BCDE
-47	28622	Duct	1	BCDE
-48	28903	Gasket - Air cleaner cover	1	CDE
		Model 73 Air Passage Sealing Units	1	E
-49	101191	Nut - Hex 10-32	1	E
-50	28898	Bolt	1	E
-51	28897	Plate	1	E
-52	28896	Filter	1	E
-53	101271	Fuel Line	1	A
	19649A	Hose - Fuel delivery	1	BCDE
-54		Ignition System, Flywheel, Crankcase Cover and Rotary Valve (See figure 2)	1	All
-55		Cylinder, Piston and Gearcase (Model 3-25 only) (See figure 3) ..	1	A
		Cylinder, Piston and Gearcase (See figure 4)	1	BCDE
-56		Crankcase and Bar Adjusting Lockplate (Model 3-25 only) (See figure 5)	1	A
		Crankcase and Bar Adjusting Lockplate (See figure 6)	1	BCDE
-57		Fuel Tank (See figure 7)	1	All
-58		Starter and Clutch Assembly (See figure 8)	1	All
-59		Model 3-25 Carburetor (See figure 10)	1	A
		Model 4-30, 4-30A, 47 and 73 Carburetors (See figure 9)	1	BCDE

FIGURE 2. IGNITION SYSTEM, FLYWHEEL, CRANKCASE COVER AND ROTARY VALVE.

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
Code: "A" indicates parts used on Model 3-25 engines. "B" indicates parts used on Model 4-30 engines. "C" indicates parts used on Model 4-30A engines. "D" indicates parts used on Model 47 engines. "E" indicates parts used on Model 73 engines. "All" indicates parts used on all five models.				
2-1	19521	Nut - Crankshaft	1	All
-2	101270	Washer	1	AB
	101271	Washer	1	CDE
-3	28345	Flywheel Assembly	1	All
-4	100199	Key - Woodruff No. 404	1	All
-5	102126	Screw - Fil hd 10-24 x 1 in. lg	4	A
	102290	Screw - Hex hd 10-24 x 1-1/8 in. lg	4	B
	102760	Screw - Hex hd 10-24 x 1 in. lg	4	CDE
-6	101978	Screw - Fil hd 10-24 x 1-1/8 in. lg	2	A
	102290	Screw - Hex hd 10-24 x 1-1/8 in. lg	2	BCDE
-7	101190	Screw - Rd hd 10-24 x 5/8 in. lg	1	A
	102289	Screw - Hex hd 10-24 x 3/4 in. lg	1	BCDE
-8	28052	Lockplate	4	BCDE
-9	100002	Washer	2	BCDE
-10	19115	Cover - Venturi	1	A
	28115	Cover - Venturi	1	BD
	28773A	Cover - Venturi	1	C
	28756	Cover - Venturi	1	E
-11	19116	Gasket - Venturi cover	1	A
	28116	Gasket - Venturi cover	1	BD
	28774	Gasket - Venturi cover	1	CE
-12	101965	Screw - Fil hd 10-24 x 7/8 in. lg	2	All
-13	19454A	Cover - Breaker	1	All
-14	19088A	Gasket - Breaker cover	1	All
-15	100696	Screw - Fil hd 8-32 x 5/8 in. lg	1	All
-16	100459	Lockwasher - No. 8	1	BCDE

FIGURE 2. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
2-17	100080	Washer - Plain	1	BCDE
-18	103934	Screw - Rd hd 6-32 x 1/4 in. lg	1	All
-19	100075	Condenser	1	All
-20	101991	Screw - Fil hd 10-24 x 1/2 in. lg	1	A
	24626	Screw	1	BCDE
-21	100003	Washer - Plain No. 10	3	CD
	100002	Washer	3	ABE
-22	100436	Lockwasher	1	A
-23	100007	Washer	1	BCDE
-24	101326	Nut - Hex 10-24	3	CD
	101191	Nut - Hex 10-24	2	A
	101191	Nut - Hex 10-24	3	BE
-25	19894A	Breaker Point Assembly	1	All
-26	100768	Wire - Switch	1	All
-27	19087	Push Rod - Breaker	1	All
-28	102128	Screw - Hex hd 1/4-20 x 1-1/4 in. lg	1	CDE
-29	36306	Lockplate	1	CDE
	19078A	Cover Assembly - Crankcase	1	A
	28318	Cover Assembly - Crankcase (Not available - Order Cover and Bearing Assembly #47575)	1	CE
	28078	Cover Assembly - Crankcase	1	BD
-30	100283	. Grommet - Rubber	1	AB
	28322	. Grommet - Rubber	1	CDE
-31	101304	. Oil Seal	1	All
-32	100247	. Bearing	1	A
	102445	. Bearing	1	BCDE
	28319	. Cover and Wearplate Assembly (Not available - Order Cover and Bearing Assembly #47575)	1	C
	28062	. Cover and Bearing Assembly - Crankcase	1	BD
	28759	. Cover - Crankcase (Not available - Order Cover and Bearing Assembly #47575)	1	E
-33	24317	. . Bushing - Push rod	2	AB
	28565	. . Bushing - Push rod	2	CDE
-34	102217	. . Rivet (Code "A": Not supplied with Cover Assembly #19078A - Order separately)	3	ABCD
-35	19809	. . Wearplate - Crankcase (Code "A": Not supplied with Cover Assembly #19078A - Order separately) ..	1	ABD
	28601	. . Plate - Wear	1	CE
Replacement Cover and Bearing Assembly #47575				
	47575	Cover and Bearing Assembly	1	CE
-30	28322	. Grommet - Rubber	1	CE
-31	101304	. Oil Seal	1	CE
-32	102445	. Bearing	1	CE
-33	28565	. Bushing - Push rod	2	CE
-36	24321	Washer - Felt	1	All
-37	24321	Washer - Felt	1	ABCD
-38	24321	Washer - Felt	1	ABD
-39	24321	Washer - Felt	2	A
-40	28092	Washer - Felt	1	BD
-41	28066A	Protector - Crankcase	1	BCDE
-42	19079	Gasket - Crankcase cover	1	A
	28079A	Gasket - Crankcase cover (Used with blow-by type filters)	1	BCDE
	28079B	Gasket - Crankcase cover (Used with Snorkel Air Filter)	Alternate	BCDE
-43	101214	Washer	1	All
-44	19010	Rotary Valve	1	A
	28103	Rotary Valve Assembly	1	BD
	28313	Valve Assembly - Rotary	1	CE
-45	11032	Spring - Valve	1	All
-46		Spark Plug and Gasket - 14 mm	1	All
-47	28162	Air Deflector	1	B

FIGURE 2. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
2-48	103934	Screw - Rd hd 6-32 x 1/4 in. lg							1	All
-49	100252	Lockwasher							1	A
-50	101969	Screw - Fil hd 10-24 x 1-1/2 in. lg							1	ABD
	101965	Screw - Fil hd 10-24 x 7/8 in. lg							1	CE
-51	101970	Screw - Fil hd 10-24 x 2 in. lg							2	ABD
	101965	Screw - Fil hd 10-24 x 7/8 in. lg							2	CE
-52	102189	Washer							3	D
-53	19405	Bridge							1	ABD
	36307	Cover Assembly - Spark plug							1	All
-54	102555	. Cover - Spark plug							1	All
-55	102556	. Connector - Spark plug spring							1	All
-56	19593C	Coil Assembly							1	All
-57	19032	Lamination Assembly							1	All
-58	19034	Retainer - Lamination							2	All
-59	102839	Wire - Spark plug							1	All
-60	101191	Nut - Hex 10-24							1	All
-61	28053	Retainer - Nut							1	BCDE

FIGURE 3. CYLINDER, PISTON AND GEARCASE (MODEL 3-25 ENGINES ONLY).

FIG. & INDEX NO.	PART NO.	1	2	3	4	DESCRIPTION				UNITS PER ASSY	USABLE ON CODE
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Code: "A" indicates parts used on Model 3-25 engines.

3-1	101885	Screw - Hex hd 1/4-28 x 7/8 in. lg	4	A
-2	100004	Washer - Plain 1/4 in.	4	A
-3	100640	Nut - Lock 1/4-28	4	A
-4	18556A	Retainer - Nut	2	A
-5	19021	Cylinder	1	A
-6	19026	Gasket - Cylinder	1	A
	19020A	Piston Assembly (Not available - Order replacement Piston Assembly #19931A)	1	A
-7	47253	. Ring Set	1	A
-8	24336	. Ring - Retaining	2	A
-9		. Piston (Not available - Order Piston Assembly #19931A)...	1	A

Replacement Piston Assembly #19931A

	19931A	Piston Assembly	1	A
-7	51747	Ring Set (Top chrome ring)	1	A
-8	24336	Ring - Retaining	2	A
-9		Piston (Not available - Order Piston Assembly #19931A)...	1	A

-10	19018	Pin - Piston	1	A
-11	19016A	Connecting Rod Assembly	1	A
-12	19535	. Bushing - Connecting rod.....	1	A
-13	101205	. Screw - Socket hd 10-32 x 3/4 in. lg	2	A
-14	19822	. Cage Assembly - Bearing (3 pieces)	1	A
-15	101035	. Needle - Roller	15	A
-16		. Rod - Connecting (Not available - Order Connecting Rod Assembly #19016A)	1	A
-17	102101	Screw - Hex hd 10-24 x 7/8 in. lg	3	A
-18	28051	Lockplate	1	A
-19	101992	Screw - Rd hd 10-24 x 7/8 in. lg	5	A
-20	101999	Screw - Rd hd 1/4-20 x 2-3/4 in. lg	1	A
-21	100289	Washer	1	A
-22	101989	Screw - Rd hd 10-24 x 1/2 in. lg	2	A
-23	101995	Screw	1	A
-24	100002	Washer	3	A
-25	101191	Nut - Hex 10-24	6	A

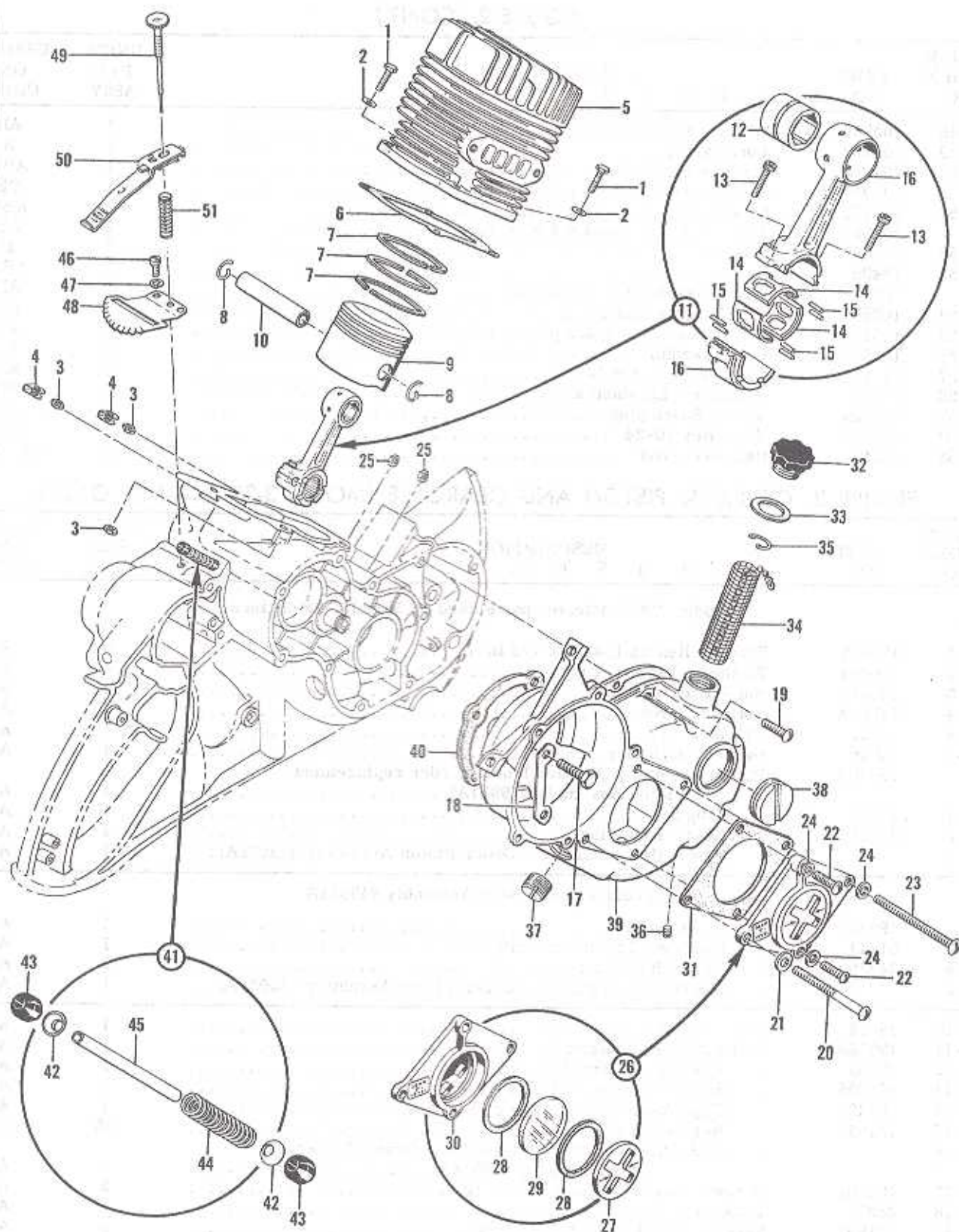


Figure 3. Cylinder, Piston and Gearcase (Model 3-25 Engines Only)

FIGURE 3. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
3-27	19856	.	Face Plate						1	A
-28	19878	.	Gasket						2	A
-29	19857	.	Window - Gearcase						1	A
-30		.	Cover (Not available - Order Cover Assembly #19084A)						1	A
-31	19063		Gasket - Gear case cover						1	A
-32	19734		Cap - Oil filler						1	A
-33	23055		Gasket - Cap						1	A
-34	19067		Screen - Oil filler						1	A
-35	19690		Ring - Retaining						1	A
-36	100161		Plug - Pipe 1/8-27						1	A
-37	101190		Plug - Pipe 1/2-14						1	A
-38	101780		Plug - Pipe 3/4-14						1	A
-39	19315		Gear Case Assembly						1	A
-40	19120		Gasket						1	A
-41	19523		Tube Assembly						1	A
-42	19286	.	Washer						2	A
-43	19285	.	Seal - Pump						2	A
-44	19287	.	Spring						1	A
-45	19258	.	Tube						1	A
-46	101988		Screw - Fil hd 10-24 x 3/8 in. lg						2	A
-47	101194		Lockwasher						2	A
-48	19250		Detent						1	A
-49	19361		Needle Valve Assembly						1	A
-50	19368		Lever Assembly						1	A
-51	19367		Spring - Main jet						1	A

FIGURE 4. CYLINDER, PISTON AND GEARCASE.

FIG. & INDEX NO.	PART NO.	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
Code: "B" indicates parts used on Model 4-30 engines.										
"C" indicates parts used on Model 4-30A engines.										
"D" indicates parts used on Model 47 engines.										
"E" indicates parts used on Model 73 engines.										
4-1	101885		Screw - Hex hd 1/4-28 x 7/8 in. lg						3	BD
	103154		Screw - Hex hd 1/4-28 x 15/16 in. lg						3	C
	103486		Bolt - Hex hd 1/4-28 x 1 in. lg						3	E
-2	101885		Screw - Hex hd 1/4-28 x 7/8 in. lg						1	BD
	103154		Screw - Hex hd 1/4-28 x 15/16 in. lg						1	C
-3	100004		Washer - Plain 1/4 in.						3	B
	100311		Washer - Plain 1/4 in. SAE						3	E
-4	100311		Washer - Plain 1/4 in. SAE						1	E
-5	28341A		Lockplate						2	CD
-6	24545		Lockplate						1	B
	100246		Lockwasher						1	E
-7	100640		Nut - Lock 1/4-28						3	BCDE
-8	18556A		Retainer - Nut						2	BCDE
-9	100248		Nut - Hex 1/4-28						1	E
-10	19021		Cylinder						1	D
	28260		Cylinder Assembly						1	C
	28779		Cylinder Assembly						1	E
	28021		Cylinder Assembly (Not available - Order Cylinder Assembly #28339)						1	B
-11	101597	.	Screw - Socket hd 10-24 x 1 in. lg						6	B
-12	24236	.	Washer						6	B
-13	101191	.	Nut - Hex 10-24						7	B
-14	28024	.	Head - Cylinder						1	B
-15	28025	.	Gasket - Head						1	B
-16		.	Cylinder (Not available - Order Cylinder Assembly #28339) .						1	B

3-25, 4-30 SERIES ENGINES

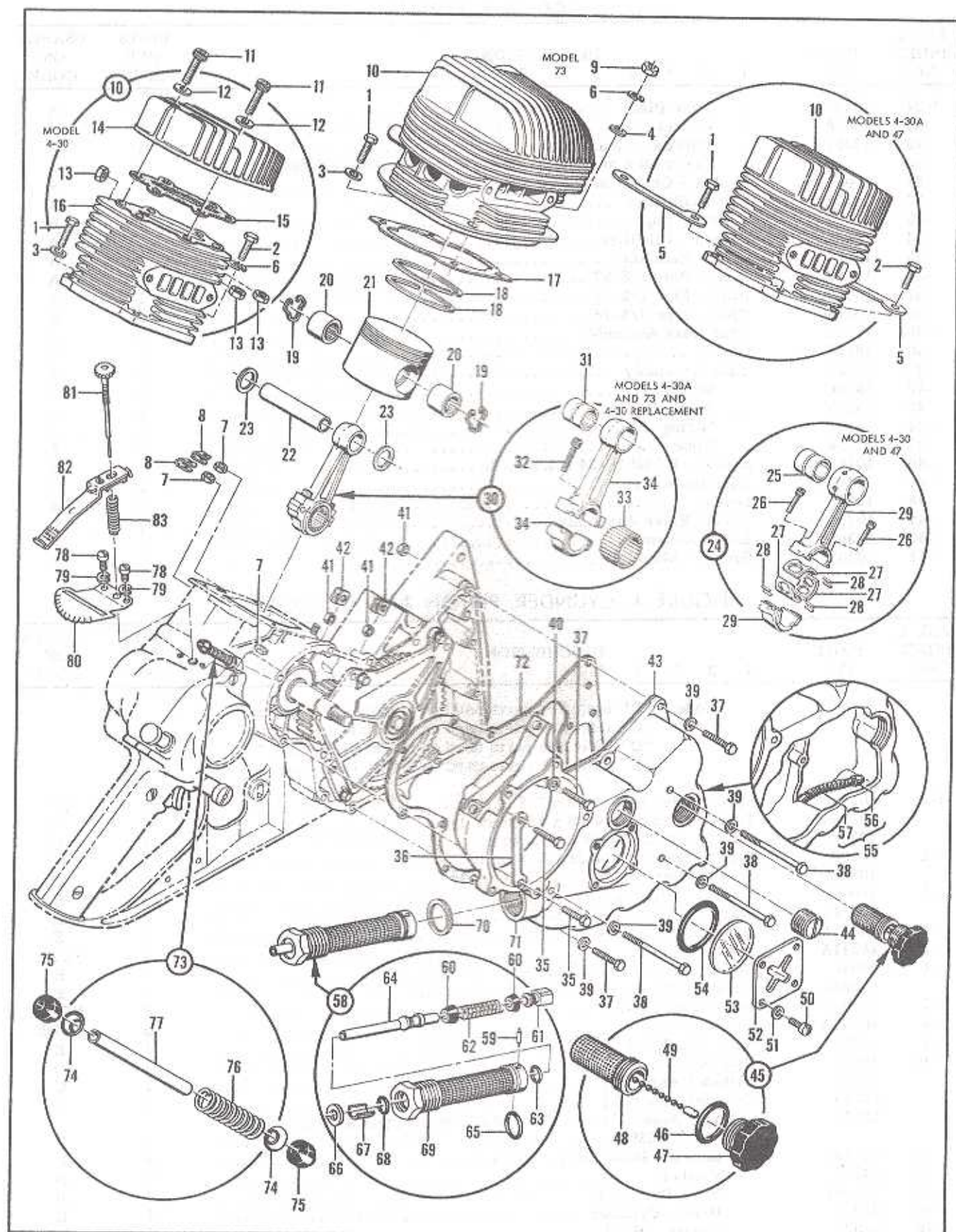


Figure 4. Cylinder, Piston and Gearcase

FIGURE 4. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1	2	3 4 5 6 7		
Replacement Cylinder Assembly #28339				
4-10	28339	Cylinder Assembly (This is a one-piece head)	1	B
-17	19026	Gasket - Cylinder	1	BCD
	28521A	Gasket - Cylinder	1	E
	28020A	Piston Assembly (Not available - Order Piston Assembly #28353A used on Code "C". Requires Connecting Rod Assembly #28016B)	1	B
	28353A	Piston Assembly	1	C
	19931A	Piston Assembly	1	D
	28885	Piston Assembly (Not available - Order Piston Assembly #47580) ..	1	E
-18	28886	. Ring Set (Top chrome ring)	1	BC
	51747	. Ring Set (Top chrome ring)	1	D
	28809	. Ring Set (Top chrome ring)	1	E
-19	24336	. Ring - Retaining	2	BCD
	28597	. Ring - Retaining	2	E
-20	103475	. Bearing - Needle	2	E
-21		. Piston (Not available - Order correct Piston Assembly)	1	BCDE
Replacement Piston Assembly #47580				
	47580	Piston Assembly	1	E
-18	28809	. Ring Set	1	E
-20	103475	. Bearing - Needle	1	E
-21		. Piston (Not available - Order Piston Assembly #47580)	1	E
-22	28018	Pin - Piston	1	BC
	19018	Pin - Piston	1	D
	28744	Pin - Piston	1	E
-23	28057	Washer - Thrust	2	C
	28743	Washer - Piston pin	2	E
-24	28016	Connecting Rod Assembly (Not available - Order Connecting Rod Assembly #28016B)	1	B
	19016A	Connecting Rod Assembly	1	D
-25	100300	. Bearing - Needle	2	B
	19535	. Bushing - Connecting rod	1	D
-26	101205	. Screw - Socket hd 10-32 x 3/4 in. lg	2	BD
-27	19822	. Cage Assembly - Bearing (3 pieces)	1	BD
-28	101035	. Needle - Roller	15	BD
-29		. Rod - Connecting (Not available - Order correct Connecting Rod Assembly)	1	BD
-30	28016A	Connecting Rod Assembly	1	C
	28795A	Connecting Rod Assembly	1	E
-31	100300	. Bearing - Needle	2	C
-32	101205	. Screw - Socket hd 10-32 x 3/4 in. lg	2	CE
-33	100226	. Roller - Needle	24	CE
-34		. Rod - Connecting (Not available - Order correct Connecting Rod Assembly)	1	CE
Replacement Connecting Rod Assembly #28016B				
-30	28016B	Connecting Rod Assembly (Must be used with Piston Assembly #28353A)	1	B
-31	100300	. Bearing - Needle	2	B
-32	101205	. Screw - Socket hd 10-32 x 3/4 in. lg	2	B
-33	100226	. Roller - Needle	24	B
-34		. Rod - Connecting (Not available - Order Connecting Rod Assembly #28016B)	1	B
-35	102101	Screw - Hex hd 10-24 x 7/8 in. lg	3	BCDE
-36	28051	Lockplate	1	BCDE

3-25, 4-30 SERIES ENGINES

FIGURE 4. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
4-37	102291	Screw - Hex hd 10-24 x 1 in. lg	10	BCDE
-38	102320	Screw - Hex hd 10-24 x 2-1/2 in. lg	3	BCDE
-39	100002	Washer	14	BC
	100002	Washer	13	D
	100003	Washer - Plain No. 10	13	E
-40	100289	Washer	1	BCDE
-41	101326	Nut - Hex 10-24	15	BCDE
-42	28053	Retainer - Nut	2	BCDE
-43	28046A	Gear Case Assembly	1	BCD
	28710	Gear Case Assembly	1	E
-44	101190	Plug - Pipe	1	BCDE
-45	28026	Screen and Cap Assembly	1	BCDE
-46	101148	Gasket - "O" ring	1	BCDE
-47	52388	Cap - Oil filler	1	BCDE
-48	28027	Screen Assembly	1	BCDE
-49	28056	Chain Assembly	1	BCDE
-50	101991	Screw - Fil hd 10-24 x 1/2 in. lg	4	BCDE
-51	101194	Lockwasher - No. 10	4	BCDE
-52	28074	Face Plate Assembly	1	BCDE
-53	19857	Window - Gear case	1	BCDE
-54	102098	"O" Ring	1	BCDE
-55	28022A	Hose Assembly - Oil	1	BCDE
-56	19132	Weight	1	BCDE
-57	28007	Hose - Oil	1	BCDE
-58	24055A	Oil Pump Assembly	1	BCDE
-59	24106	Pin - Pump	1	BCDE
-60	24104	Cup - Packing	2	BCDE
-61	24105A	Plug - Pump	1	BCDE
-62	28215	Spring	1	BCDE
-63	101258	Packing - "O" ring	1	BCDE
-64	24103A	Plunger - Pump	1	BCDE
-65	101218	"O" Ring	1	BCDE
-66	100950	Washer - Pump	1	BCDE
-67	24108	Seal - Pump	1	BCDE
-68	101056	"O" Ring	1	BCDE
-69	24193	Body Assembly - Pump	1	BCDE
-70	24120	Gasket - Oil pump	1	BCDE
-71	28017C	Gear case	1	BCD
	28702A	Gear case	1	E
-72	28120	Gasket - Gear case	1	BCDE
-73	19523	Tube Assembly	1	BCDE
-74	19286	Washer	2	BCDE
-75	19285	Seal - Pump	2	BCDE
-76	19287	Spring	1	BCDE
-77	19258	Tube	1	BCDE
-78	101988	Screw - Fil hd 10-24 x 3/8 in. lg	2	BCDE
-79	101194	Lockwasher - No. 10	2	BCDE
-80	19250	Detent	1	BCDE
-81	19361	Needle Valve Assembly	1	BCDE
-82	19368	Lever Assembly	1	BCDE
-83	19367	Spring - Main jet	1	BCDE

FIGURE 5. CRANKCASE AND BAR ADJUSTING LOCKPLATE, MODEL 3-25 ONLY.

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
Code: "A" indicates parts used on Model 3-25 engines.				
5-1	101977	Screw - Fil hd 1/4-20 x 3/4 in. lg	2	A
-2	101143	Nut - Hex 1/4-20	2	A
-3	19752	Spike	1	A
-4	100682	Nut - Hex 5/16-24	3	A
-5	100007	Washer	2	A
-6	19682	Lockplate Assembly - Adjusting	1	A
-7	100010	. Pin - Cotter 0.06 x 1/2 in. lg	1	A
-8	102022	. Nut - 5/16-24	1	A
-9	24260	. Washer - Spring	1	A
-10	102193	. Screw - Lock plain adjusting	1	A
-11	100007	. Washer	1	A
-12	19708	. Nut - Adjusting	1	A
-13	19681	. Body - Lockplate	1	A
-14	101179	Nut - Hex 7/16-20	1	A
-15	19733A	Shroud - Sprocket	1	A
-16		Sprocket	1	A
-17	100256	Key	1	A
-18	19278	Shroud - Sprocket	1	A
-19	19162	Shield - Dirt	1	A
-20	101278	Bearing - Ball	1	A
-21	19013	Shaft Gear	1	A
-22	101277	Bearing - Ball	1	A
-23	19094	Spacer - Bearing	1	A
-24	100501	Snap Ring	1	A
-25	19140A	Thrust Washer	1	A
	19379	Gear Assembly - Idler (Not available - Order Gear Assembly #19889)	1	A
-26	19754	. Bushing - Idler gear	1	A
-27		. Gear - Idler (Not available - Order Gear Assembly #19889) ..	1	A
Replacement Idler Gear Assembly #19889				
Note: Idler gear shaft #19888 (Figure 5, No. 78) must be used with this gear assembly.				
-28	101269	Retaining Ring	1	A
	19889	Gear Assembly - Idler	1	A
-29	102271	. Snap Ring	1	A
-30	102339	. Bearing	1	A
-31		. Gear - Idler (Not available - Order Idler Gear Assembly #19889)	1	A
-32	100564	Oil Seal	1	A
-33	28327	Sleeve - Venturi small	1	A
-34	19845	Spring	1	A
-35	19844	Sleeve - Venturi	1	A
-36	19846	Spring	1	A
-37	19877	Throttle Gate	1	A
-38	101072	Screw - Oval hd 10-24 x 3/4 in. lg	1	A
-39	101060	Screw - Oval hd 10-24 x 1 in. lg	2	A
-40	101191	Nut - Hex 10-24	2	A
-41	19431A	Screw - Idle	1	A
-42	11361A	Spring	1	A
-43	100002	Washer	1	A
-44	19412	Gasket	1	A
-45	101426	Snap Ring	1	A
-46	100183	Washer	1	A
-47	19119	Oil Rod	1	A
-48	19157	Plunger	1	A
-49	19414	Cover Assembly - Filter	1	A
-50	100954	. Groove Pin	1	A

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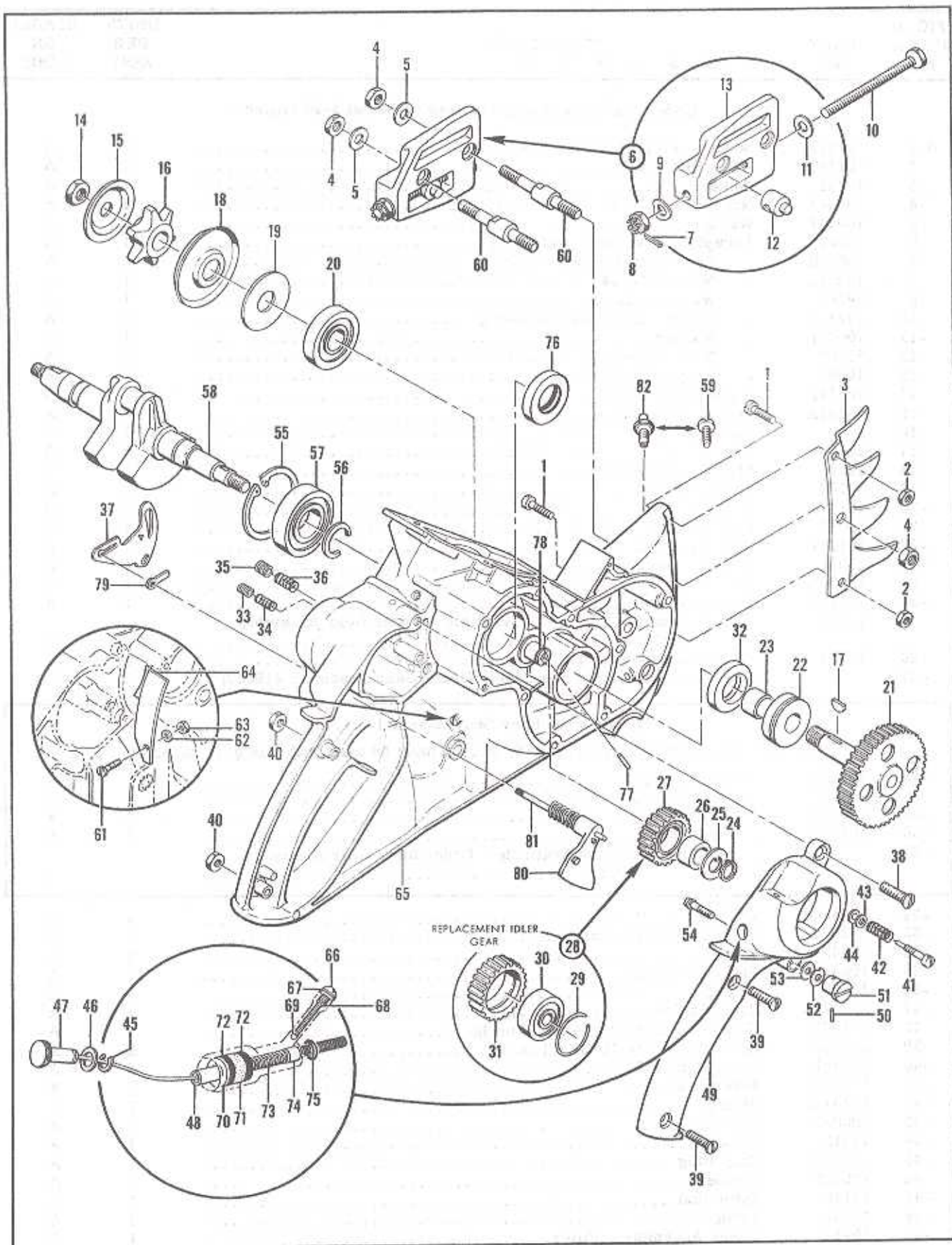


Figure 5. Crankcase and Bar Adjusting Lockplate, (Model 3-25 Engine Only)

FIGURE 5. (CONT)

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	UNITS PER ASSY	USABLE ON CODE
5-51	19288	.	Knob - Throttle stop						1	A
-52	19289	.	Washer - Spring						1	A
-53	100002	.	Washer						1	A
-54	19279	.	Shaft - Throttle stop						1	A
-55	100684	.	Snap Ring						1	A
-56	101173	.	Retaining Ring						1	A
-57	100683	.	Bearing - Ball						1	A
-58	19025B	.	Crankshaft						1	A
-59	100590	.	Screw - Set (Replaces Oiler Nozzle #28054 when bow saw attachment is used)						1	A
-60	19416A	.	Key - Saw bar						2	A
-61	100297	.	Screw - Fil hd 10-24 x 3/8 in. lg						1	A
-62	100002	.	Washer						1	A
-63	101191	.	Nut - Hex 10-24						1	A
-64	19727B	.	Chain Guard						1	A
-65	19520C	.	Crankcase Assembly						1	A
-66	101204	.	Screw - Rd hd 1/4-20 x 1/4 in. lg						1	A
-67	100153	.	Lockwasher - 1/4 in.						1	A
-68	19804	.	Spring - Oiler valve						1	A
-69	100549	.	Ball						1	A
-70	19158	.	Guide - Spring case						1	A
-71	19159	.	Seal - Felt						1	A
-72	101246	.	Oil Seal						2	A
-73	19236	.	Spring						1	A
-74	19117	.	Valve Assembly						1	A
-75	100939	.	"O" Ring						1	A
-76	100564	.	Oil Seal						1	A
-77	101222	.	Groove Pin						1	A
-78	19888	.	Shaft - Idler Gear (Use with Idler Gear Assembly #19889 and Retaining Ring #101269)						1	A
-79	19118	.	Key						1	A
-80	19014	.	Trigger Assembly						1	A
-81	19185	.	Spring - Trigger						1	A
-82	28054	.	Nozzle - Oiler						1	A

FIGURE 6. CRANKCASE AND BAR ADJUSTING LOCKPLATE.

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	UNITS PER ASSY	USABLE ON CODE
Code: "B" indicates parts used on Model 4-30 engines. "C" indicates parts used on Model 4-30A engines. "D" indicates parts used on Model 47 engines. "E" indicates parts used on Model 73 engines.										
6-1	101977	.	Screw - Fil hd 1/4-20 x 3/4 in. lg						2	BCDE
-2	101143	.	Nut - Hex 1/4-20						2	BCDE
-3	19752	.	Spike						1	BCDE
-4	100682	.	Nut - Hex 5/16-24						3	BCDE
-5	100440	.	Washer - 5/16 in.						2	BCDE
-6	19682	.	Lockplate Assembly - Adjusting						1	BCDE
-7	100010	.	Pin - Cotter 0.06 x 1/2 in. lg						1	BCDE
-8	102022	.	Nut - 5/16-24						1	BCDE
-9	24260	.	Washer - Spring						1	BCDE
-10	102193	.	Screw - Lock plain adjusting						1	BCDE
-11	100007	.	Washer						1	BCDE
-12	19708	.	Nut - Adjusting						1	BCDE
-13	19681	.	Body - Lockplate						1	BCDE
-14	102101	.	Screw - Hex hd 10-24 x 7/8 in. lg						3	BCDE

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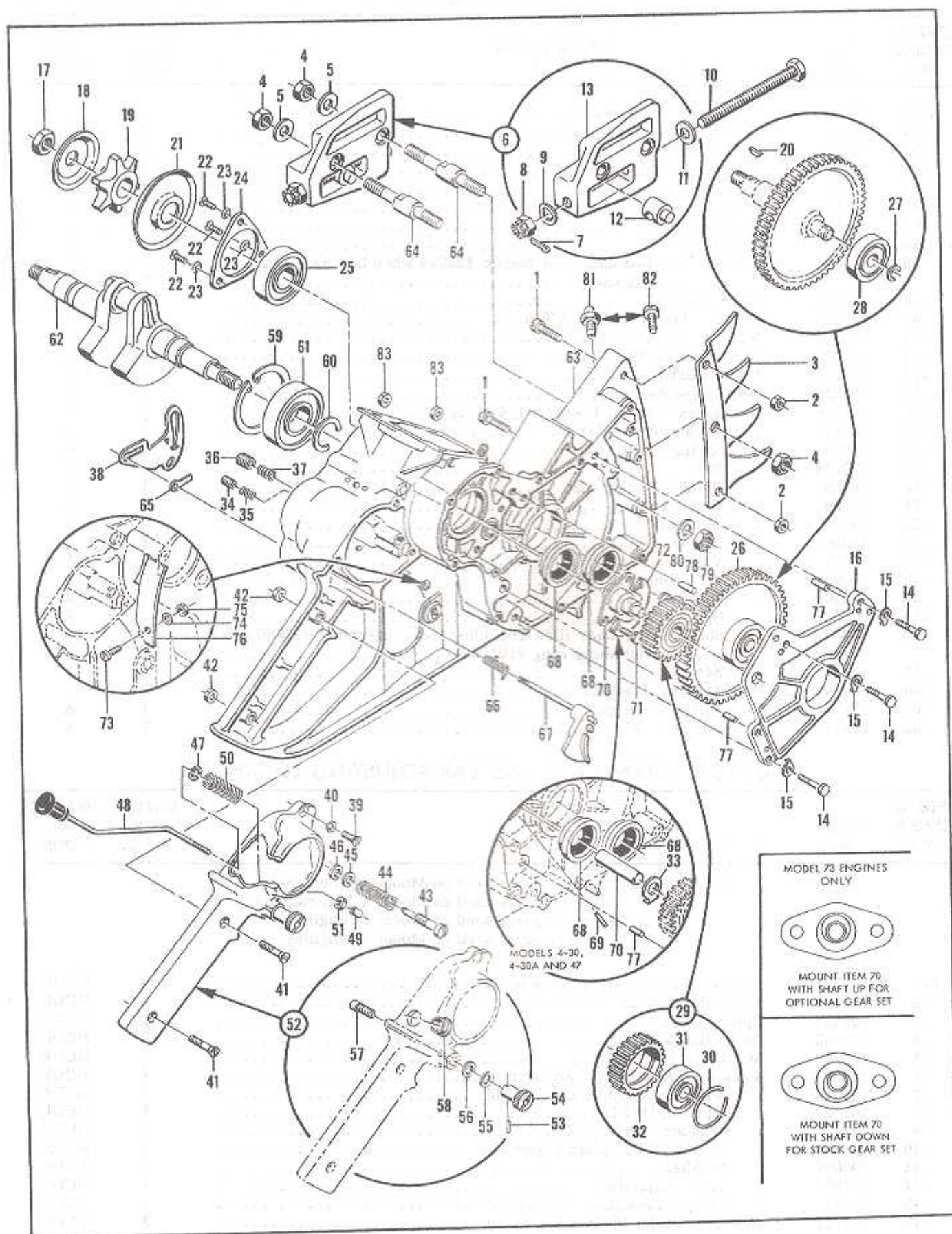


Figure 6. Crankcase and Bar Adjusting Lockplate

FIGURE 6. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
6-15	28052	Lockplate	3	BCDE
-16	28003	Plate - Shaft support	1	B
	28003A	Plate - Shaft support	1	CD
	28720	Plate - Shaft support	1	E
-17	101179	Nut - Hex 7/16-20	1	BCDE
-18	19733A	Shroud - Sprocket	1	BCDE
-19		Sprocket (Order for size of chain to be used)	1	BCDE
-20	100256	Key	1	BCDE
-21	19278	Shroud - Sprocket	1	BCDE
-22	100852	Screw - Flat hd 10-24 x 1/2 in. lg	3	BCDE
-23	102395	Lockwasher - Countersunk	3	BCDE
-24	28040	Plate - Sprocket bearing retainer	1	BCDE
-25	102084	Bearing	1	BCD
-26	28008	Gear Assembly - Sprocket shaft	1	E
	28575	Shaft Assembly - Sprocket	1	BCDE
-27	101794	. Ring - Retaining	1	BCD
-28	101376	. Bearing - Ball	1	E
-29	28006A	Gear Assembly - Idler	1	BCD
	28781	Gear Assembly - Idler	1	E
-30	102701	. Ring - Retainer	1	BCD
	28033	. Ring - Retainer	1	E
-31	102702	. Bearing	1	BCD
	102083	. Bearing	1	E
-32	28012A	. Gear - Idler	1	BCD
	28780	. Gear - Idler	1	E
-33	28034	Thrust Washer	1	BCD
-34	28327	Sleeve - Venturi small	1	BCDE
-35	19845	Spring	1	BCDE
-36	19844	Sleeve - Venturi	1	B
	28326	Sleeve - Venturi large	1	CDE
-37	19846	Spring	1	BCDE
-38	28087A	Throttle Gate	1	B
	47205A	Throttle Gate	1	CDE
-39	101072	Screw - Oval hd 10-24 x 3/4 in. lg	1	BCDE
-40	102395	Lockwasher - Countersunk	1	BCDE
-41	101060	Screw - Oval hd 10-24 x 1 in. lg	2	BCDE
-42	101191	Nut - Hex 10-24	2	BCDE
-43	*19413A	Screw - Idle	1	B
	*28329	Screw - Idle	1	CDE
-44	*11361A	Spring	1	B
	*28331	Spring - Idle screw	1	CDE
-45	19412	Gasket - Idle screw	1	B
	28330	Gasket - Idle screw	1	CDE
-46	100002	Washer	1	B
	100004	Washer - Plain 1/4 in.	1	CD
	100005	Washer - Plain	1	E
-47	101426	Snap Ring	1	BCDE
-48	28013	Oil Pump Push Rod Assembly	1	BCDE
-49	24584	Sleeve - Push rod	1	BCDE
-50	24313	Spring - Push rod	1	BCDE
-51	100722	Nut - Stop 6-32	1	BCDE
-52	28014A	Cover Assembly - Air filter	1	BCDE
-53	100954	. Pin - Groove	1	BCDE
-54	19288	. Knob - Throttle stop	1	BCDE
-55	19289	. Washer - Spring	1	BCDE
-56	100003	. Washer - Plain No. 10	1	BCDE
-57	19279	. Shaft - Throttle stop	1	BCDE
-58	28057	. Sleeve - Push rod	1	BCDE
-59	100684	Snap Ring	1	BCDE
-60	101173	Retaining Ring	1	BCDE

*When Carburetor Assembly #47393 is used on these models, the idle screw and spring must be replaced by a 1/4-28 x 1 inch long Fillister head screw.

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FIGURE 6. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
6-61	100683	Ball Bearing	1	BCDE
-62	19025B	Crankshaft	1	BCD
	28820	Crankshaft	1	E
-63	28023	Crankcase Assembly (Not available - Order Crankcase Assembly #28925C)	1	B
	*28334A	Crankcase Assembly (Not available - Order Crankcase Assembly #28925C)	1	CD
	**28708B	Crankcase Assembly (Not available - Order Crankcase Assembly #47403)	1	E
-64	19416A	Key - Saw bar	2	BCDE
-65	28118	Key - Throttle shaft	1	BCDE
-66	19185	Spring - Trigger	1	BCDE
-67	28067	Trigger Assembly	1	BCDE
-68	102939	Seal - Oil	2	BCDE
-69	102838	Pin - Groove	1	BCD
-70	28041A	Shaft - Idler gear	1	E
	28717	Shaft - Idler gear	1	E
-71	28667	Screw - Idler shaft	2	E
-72	28662	Lockplate	2	E
-73	100297	Screw - Fil hd 10-24 x 3/8 in. lg	1	BCDE
-74	100002	Washer	1	BCD
	100003	Washer - Plain No. 10	1	E
-75	101191	Nut - Hex 10-24	1	BCDE
-76	19727B	Guard - Chain	1	BCDE
-77	102110	Pin - Dowel	2	BCDE
-78	102110	Pin - Dowel	1	E
-79	100682	Nut - Hex 5/16-24	1	CDE
-80	100440	Washer - 5/16	1	CDE
-81	28054	Nozzle - Oilier	1	BCDE

Replacement Crankcase Assemblies #28925C, #28927 and #47403

-63	28925C	Crankcase Assembly	1	BCD
	28927	Crankcase Assembly (Not available - Order Crankcase Assembly #47403)	1	E
	47403	Crankcase Assembly	1	E
-43 ***	28329	Screw - Idle	1	BCD
	103295	Screw - Fil hd 1/4-28 x 3/4 in. lg	1	E
-44 ***	28331	Spring - Idle screw	1	BCD
-45	28330	Gasket - Idle screw	1	BCD
-46	100005	Washer - Plain	1	BCD
-64	19416A	Key - Saw bar	2	BCDE
-65	28118	Key - Throttle shaft	1	BCDE
-66	19185	Spring - Trigger	2	BCDE
-67	28067	Trigger Assembly	1	BCDE
-68	102939	Seal - Oil	2	BCDE
-70	28717	Shaft - Idler gear	1	BCDE
-71	28667	Screw - Idler shaft	2	BCDE
-72	28662	Lockplate	2	BCD
	28662	Lockplate	1	E
-73	103469	Screw - Hex hd 10-24 x 3/8 in. lg	1	BCDE
-74	100003	Washer - Plain No. 10	1	BCDE
-75	101191	Nut - Hex 10-24	1	BCDE
-76	19727B	Guard - Chain	1	BCDE
-77	102110	Pin - Dowel	2	BCDE

*Also used on Model 4-30 engines as service replacement for a time.

**Model 73 engines also used Crankcase Assembly #28927 as a service replacement.

***When Carburetor Assembly #47393 is used on these models, the idle screw and spring must be replaced by a 1/4-28 x 1 inch long Fillister head screw.

FIGURE 6. (CONT)

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	UNITS PER ASSY	USABLE ON CODE
6-78	102110	.	Pin - Dowel						1	BCDE
-79	100682	.	Nut - Hex 5/16-24						2	BCDE
-80	100440	.	Washer - 5/16						2	BCDE
-81	28054	.	Nozzle - Oiler						1	BCDE
	100010	.	Pin - Cotter						1	BCDE
-82	100590	.	Screw - Set (Replaces Oiler Nozzle #28054 when bow saw or plunge bow attachment is used)						1	BCDE
-83	101191	.	Nut - Hex 10-24						2	BCDE

FIGURE 7. FUEL TANK.

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	UNITS PER ASSY	USABLE ON CODE
Code: "A" indicates parts used on Model 3-25 engines. "B" indicates parts used on Model 4-30 engines. "C" indicates parts used on Model 4-30A engines. "D" indicates parts used on Model 47 engines. "E" indicates parts used on Model 73 engines. "All" indicates parts used on all five model engines.										
7-	19084	.	Fuel Tank Assembly (Not available - Order Fuel Tank Assembly #19955B also used on Model 47 engines)						1	A ¹
	28025	.	Fuel Tank Assembly (Not available - Order Fuel Tank Assembly #28328A also used on Model 4-30A engines)						1	B ¹
	19955B	.	Fuel Tank Assembly						1	A ² D
	28328A	.	Fuel Tank and Pickup Assembly						1	B ² C
	28571A	.	Fuel Tank Assembly						1	E
-1	19082C	.	Top - Fuel tank						1	A ¹ A ² D
	28064A	.	Top - Fuel tank						1	B ¹ B ² C
	28572A	.	Top Assembly - Fuel tank						1	E
-2	19083A	.	Bottom - Fuel tank						1	A ¹ A ² D
	28253A	.	Bottom - Fuel tank						1	B ¹ B ² C
	28704A	.	Bottom - Fuel tank						1	E
-3	101385	.	Screw - Oval hd 10-24 x 7/8 in. lg						2	A ² B ¹ B ² CD
-4	100243	.	Screw - Fil hd 10-24 x 5/8 in. lg						11	A ² B ¹ B ² CD
	100243	.	Screw - Fil hd 10-24 x 5/8 in. lg						8	E
-5	101991	.	Screw - Fil hd 10-24 x 1/2 in. lg						3	A ² D
	100243	.	Screw - Fil hd 10-24 x 5/8 in. lg						3	B ¹ B ² C
-6	100240	.	Lockwasher						14	A ² B ¹ B ² CD
	100240	.	Lockwasher						8	E
-7	19685A	.	Gasket						1	A ¹ A ² B ¹ B ² CD
	28530	.	Gasket						1	E
-8	102270	.	Rollpin - Fuel tank						1	A ¹ B ¹
	103081	.	Pin - Fuel tank 1/4 in. groove						1	E
-9	19661	.	Filter - Fuel tank bottom						1	A ¹
	28091	.	Filter - Fuel tank bottom						1	A ² B ¹ B ² CDE

Swivel Type Fuel Pickup Assemblies

	19787	.	Swivel and Weight Assembly						1	A ¹ B ¹
-10	19139	.	Swivel Assembly						1	A ¹ B ¹
-11	19133	.	Tube						1	A ¹ B ¹
-12	19132	.	Weight						1	A ¹ B ¹
-13	28803	.	Pickup Assembly - Felt fuel						1	All
-14	28806	.	Spring - Fuel pick up						2	All
-15	28804	.	Cap - Fuel pick up						1	All

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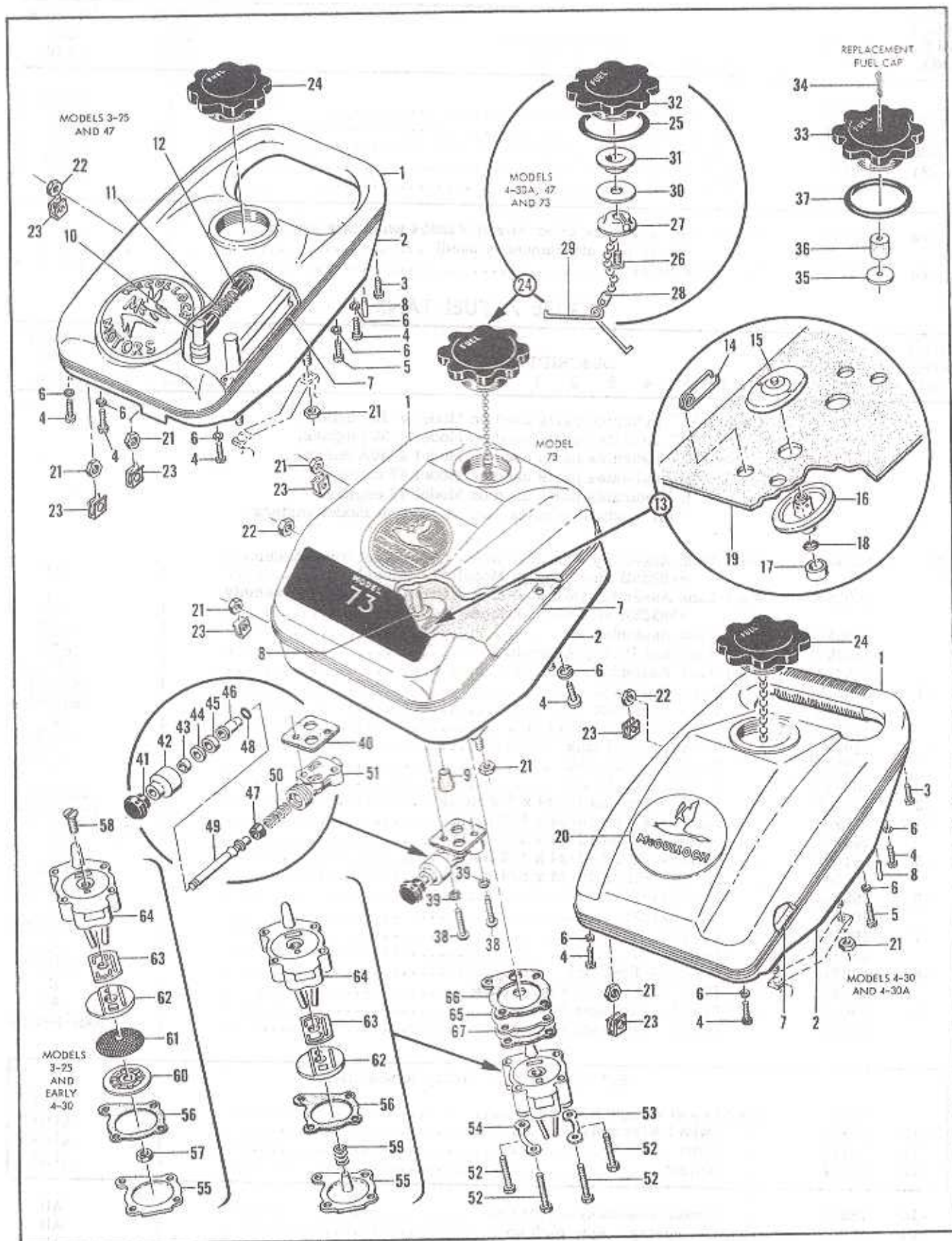


Figure 7. Fuel Tank

FIGURE 7. (CONT)

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
7-16	28805	.	.	.	.	.	.	.	Body - Fuel pick up	1	All
-17	28269	.	.	.	.	.	.	.	Retainer	1	All
-18	101056	.	.	.	.	.	.	.	"O" Ring	1	All
-19	28268A	.	.	.	.	.	.	.	Wick - Fuel pick up	1	All
-20	28084	.	.	.	.	.	.	.	Medallion	1	BCE
-21	101143	.	.	.	.	.	.	.	Nut - Hex 1/4-20	4	All
-22	101326	.	.	.	.	.	.	.	Nut - Hex 10-24	1	All
-23	28053	.	.	.	.	.	.	.	Retainer - Nut	2	All
-24	19701	.	.	.	.	.	.	.	Fuel Cap and Gasket Assembly (Not available - Order Fuel Cap Assembly #52136A)	1	AB
	19701A	.	.	.	.	.	.	.	Fuel Cap and Gasket Assembly (Not available - Order Fuel Cap Assembly #52136A)	1	CDE
-25	101348	.	.	.	.	.	.	.	"O" Ring	1	All
-26	102816	.	.	.	.	.	.	.	Screw - Rd hd 10-24 x 3/8 in. lg	1	CDE
-27	19915	.	.	.	.	.	.	.	Washer - Fuel cap	1	CDE
-28	101161	.	.	.	.	.	.	.	Chain - Cap	1	CDE
-29	18191A	.	.	.	.	.	.	.	Retainer - Fuel cap	1	CDE
-30	19916	.	.	.	.	.	.	.	Disc - Fuel cap	1	CDE
-31	19928	.	.	.	.	.	.	.	Washer - Fuel cap	1	CDE
-32	19918	.	.	.	.	.	.	.	Cap - Fuel (Not available - Order Fuel Cap Assembly #52137A)	1	CDE
Replacement Fuel Cap Assembly #52136A											
	52136A	.	.	.	.	.	.	.	Fuel Cap Assembly	1	All
-33	52137A	.	.	.	.	.	.	.	Cap - Fuel	1	All
-34	100731	.	.	.	.	.	.	.	Pin - Cotter	1	All
-35	102206	.	.	.	.	.	.	.	Washer - Plain	1	All
-36	50379	.	.	.	.	.	.	.	Filter	1	All
-37	101348	.	.	.	.	.	.	.	"O" Ring	1	All
-38	101992	.	.	.	.	.	.	.	Screw - Rd hd 10-24 x 7/8 in. lg	2	All
-39	100240	.	.	.	.	.	.	.	Lockwasher	2	All
	19397B	.	.	.	.	.	.	.	Primer and Gasket Assembly	1	All
-40	19396A	.	.	.	.	.	.	.	Gasket - Primer	1	All
-41	19970A	.	.	.	.	.	.	.	Button - Primer	1	All
-42	19969	.	.	.	.	.	.	.	Packing Nut - Primer	1	All
-43	19968	.	.	.	.	.	.	.	Seal - Felt	1	All
-44	102523	.	.	.	.	.	.	.	Washer	1	All
-45	19967	.	.	.	.	.	.	.	Packing - Primer	1	All
-46	19966	.	.	.	.	.	.	.	Sleeve - Primer	1	All
-47	24104	.	.	.	.	.	.	.	Cup - Packing	1	All
-48	101258	.	.	.	.	.	.	.	"O" Ring	1	All
-49	19965	.	.	.	.	.	.	.	Plunger - Primer	1	All
-50	11086	.	.	.	.	.	.	.	Spring	1	All
-51	19962A	.	.	.	.	.	.	.	Body Assembly - Primer	1	All
-52	102291	.	.	.	.	.	.	.	Screw - Hex hd 10-24 x 1 in. lg	4	All
-53	28210	.	.	.	.	.	.	.	Lockplate	1	All
-54	28211	.	.	.	.	.	.	.	Lockplate	1	All
	19262A	.	.	.	.	.	.	.	Pump Assembly - Fuel	1	A
	19960	.	.	.	.	.	.	.	Pump Assembly - Fuel (Not available - Order Fuel Pump Assembly #19960B)	1	B ¹
	19960B	.	.	.	.	.	.	.	Pump Assembly - Fuel	1	B ² CDE
-55		.	.	.	.	.	.	.	Cover - Fuel pump (Order #28650 Cover, #28574 Spring and #28652A Body)	1	B ¹
	28650	.	.	.	.	.	.	.	Cover - Fuel pump	1	All
-56	19255	.	.	.	.	.	.	.	Gasket - Cover	1	All
-57	100703	.	.	.	.	.	.	.	Nut - Hex 10-32	1	AB ¹
-58	100625	.	.	.	.	.	.	.	Screw - Flat hd 10-32 x 1/2 in. lg	1	AB ¹
-59	28574	.	.	.	.	.	.	.	Spring - Pump	1	B ² CDE
-60	19815	.	.	.	.	.	.	.	Keeper	1	AB ¹

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FIGURE 7. (CONT)

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
7-61	19256	.							Screen	1	AB ¹
-62	19645A	.							Retainer - Valve	1	All
-63	19257	.							Valve	1	All
-64	19261B	.							Body - Fuel pump	1	A
		.							Body - Fuel pump (Order #28650 Cover, #28574 Spring and #28652A Body)	1	B ¹
	28652A	.							Body - Fuel pump	1	B ² CDE
-65	19534A	.							Diaphragm Assembly	1	All
-66	19513	.							Gasket - Fuel pump	1	All
-67	19513	.							Gasket - Fuel pump	1	E

FIGURE 8. STARTER AND CLUTCH ASSEMBLY.

FIG. & INDEX NO.	PART NO.	1	2	3	4	5	6	7	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
Code: "A" indicates parts used on Model 3-25 engines. "B" indicates parts used on Model 4-30 engines. "C" indicates parts used on Model 4-30A engines. "D" indicates parts used on Model 47 engines. "E" indicates parts used on Model 73 engines. "All" indicates parts used on all five model engines.											
8-1	101975	.							Screw - Fil hd 10-24 x 2-1/2 in. lg	3	AB
	102320	.							Screw - Hex hd 10-24 x 2-1/2 in. lg	3	CDE
-2	101602	.							Screw - Fil hd 10-24 x 4 in. lg	1	A
	101970	.							Screw - Fil hd 10-24 x 2 in. lg	1	B
	103124	.							Screw - Hex hd 10-24 x 2 in. lg	1	CD
	103356	.							Screw - Hex hd 10-24 x 2-1/8 in. lg	1	E
-3	101194	.							Lockwasher - No. 10	1	All
-4	100002	.							Washer	3	ABCD
	100003	.							Washer - Plain No. 10	3	E
-5	101974	.							Screw - Fil hd 10-24 x 1-1/2 in. lg	1	All
-6	100002	.							Washer	1	AB
-7	101326	.							Nut - Hex 10-24	4	All
-8	19550	.							Starter Assembly (Not available - Order Starter Assembly #19550A)	1	ABCD
	19550A	.							Starter Assembly	1	E
-9	101989	.							Screw - Rd hd 10-24 x 1/2 in. lg	1	All
-10	101191	.							Nut - Hex 10-24	1	All
-11	19551A	.							Cover - Starter	1	All
-12	101795	.							Ring - Retaining	1	All
-13	24488	.							Washer	1	All
	19422	.							Rope Assembly	1	ABCD
-14	18840A	.							Plug - Starter handle	1	ABCD
-15	36395	.							Anchor - Long	1	ABCD
-16	101871	.							Washer - Plain	1	ABCD
-17	18849B	.							Handle	1	ABCD
-18	19110	.							Rope - Starter	1	ABCD
-19	19401	.							Anchor - Rope	1	ABCD
-20	24818	.							Cup - Starter handle	1	E
-21	24822	.							Handle - Starter	1	E
-22	28716	.							Rope - Starter assembly	1	E
-23	28842	.							Spring - Rewind	1	All
-24	19549	.							Spring - Starter clutch	1	All
-25	19568	.							Washer	1	All
-26	19545	.							Housing Assembly - Starter	1	All
-27	28741	.							Retainer - Starter spring	1	E
-28	19547	.							Shaft - Starter	1	All
-29	19548	.							Bushing - Starter housing	1	All

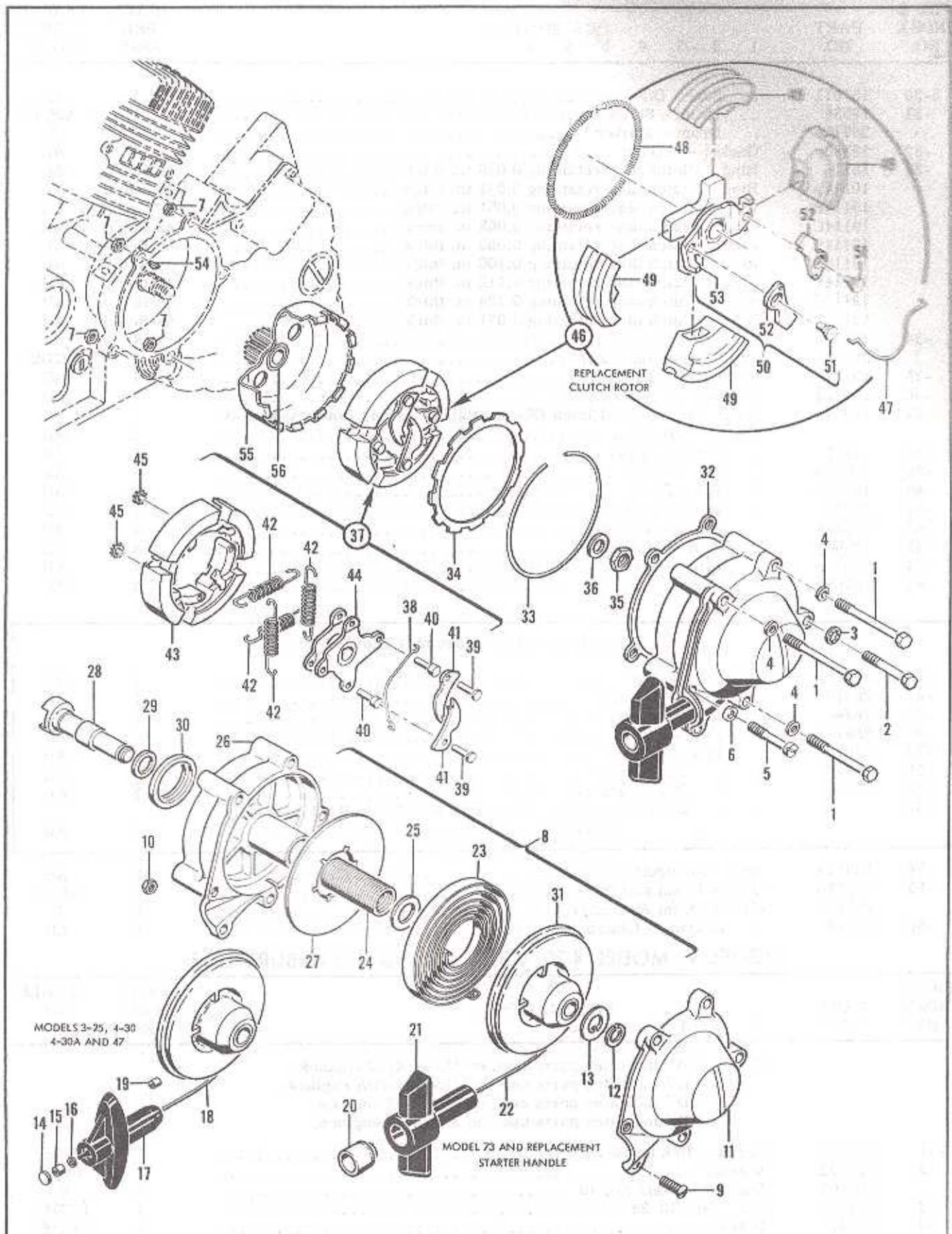


Figure 8. Starter and Clutch Assembly

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FIGURE 8. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
8-30	101611	.	Seal - Oil						1	All
-31	19538	.	Drum - Starter						1	ABCD
	28715	.	Drum - Starter						1	E
-32	19180	.	Gasket - Starter						1	All
-33	19114	.	Ring - Clutch disc retaining 0.080 in. thick						As Req'd	All
	19114A	.	Ring - Clutch disc retaining 0.041 in. thick						As Req'd	All
	19114B	.	Ring - Clutch disc retaining 0.051 in. thick						As Req'd	All
	19114C	.	Ring - Clutch disc retaining 0.063 in. thick						As Req'd	All
	19114D	.	Ring - Clutch disc retaining 0.090 in. thick						As Req'd	All
	19114E	.	Ring - Clutch disc retaining 0.100 in. thick						As Req'd	All
	19114F	.	Ring - Clutch disc retaining 0.112 in. thick						As Req'd	All
	19114G	.	Ring - Clutch disc retaining 0.124 in. thick						As Req'd	All
	19114H	.	Ring - Clutch disc retaining 0.071 in. thick						As Req'd	All
-34	19050	.	Disc						1	A
	28113	.	Disc - Friction clutch						1	BCDE
-35	101179	.	Nut - Hex 7/16-20						1	All
-36	101093	.	Washer						1	All
-37	19074	.	Rotor Assembly - Clutch (Not available - Order Rotor Assembly #28918A)						1	All
-38	19755	.	Spring - Pawl						1	All
-39	19072A	.	Pin - Pivot						2	All
-40	19572A	.	Pin - Pivot						2	All
-41	19046	.	Pawl - Starter						2	All
-42	19124A	.	Spring - Clutch						4	All
-43	19068	.	Shoe - Clutch						4	All
-44	19075A	.	Spider Assembly - Clutch						1	All
-45	102692	.	Washer						4	All

Replacement Rotor Assembly #28918A

-46	28918A	.	Rotor Assembly						1	All
-47	28910	.	Spring - Clutch						1	All
-48	28766	.	Spring - Pawl						1	All
-49	28915A	.	Shoe - Clutch						4	All
-50	28919A	.	Pawl Assembly						1	All
-51	28917	.	Pin - Pivot						2	All
-52	28765	.	Pawl - Starter						2	All
-53		.	Clutch Assembly (Not available - Order Pawl Assembly #28918A)						1	All

-54	100199	.	Key - Woodruff No. 404						1	All
-55	28072A	.	Clutch Drum and Pinion Assembly						1	ABCD
	28531A	.	Clutch Drum Assembly						1	E
-56	19071	.	Bearing - Clutch						1	All

FIGURE 9. MODEL 4-30, 4-30A, 47 AND 73 CARBURETORS.

FIG. & INDEX NO.	PART NO.	DESCRIPTION							UNITS PER ASSY	USABLE ON CODE
		1	2	3	4	5	6	7		
Code: "B" indicates parts used on Model 4-30 engines.										
"C" indicates parts used on Model 4-30A engines.										
"D" indicates parts used on Model 47 engines.										
"E" indicates parts used on Model 73 engines.										
9-1	102101	.	Screw - Hex hd 10-24 x 7/8 in. lg						1	BCDE
-2	100002	.	Washer						1	BCD
	100003	.	Washer - Plain No. 10						1	E
-3	101191	.	Nut - Hex 10-24						1	BCDE
-4	19239	.	Screw						1	BCDE

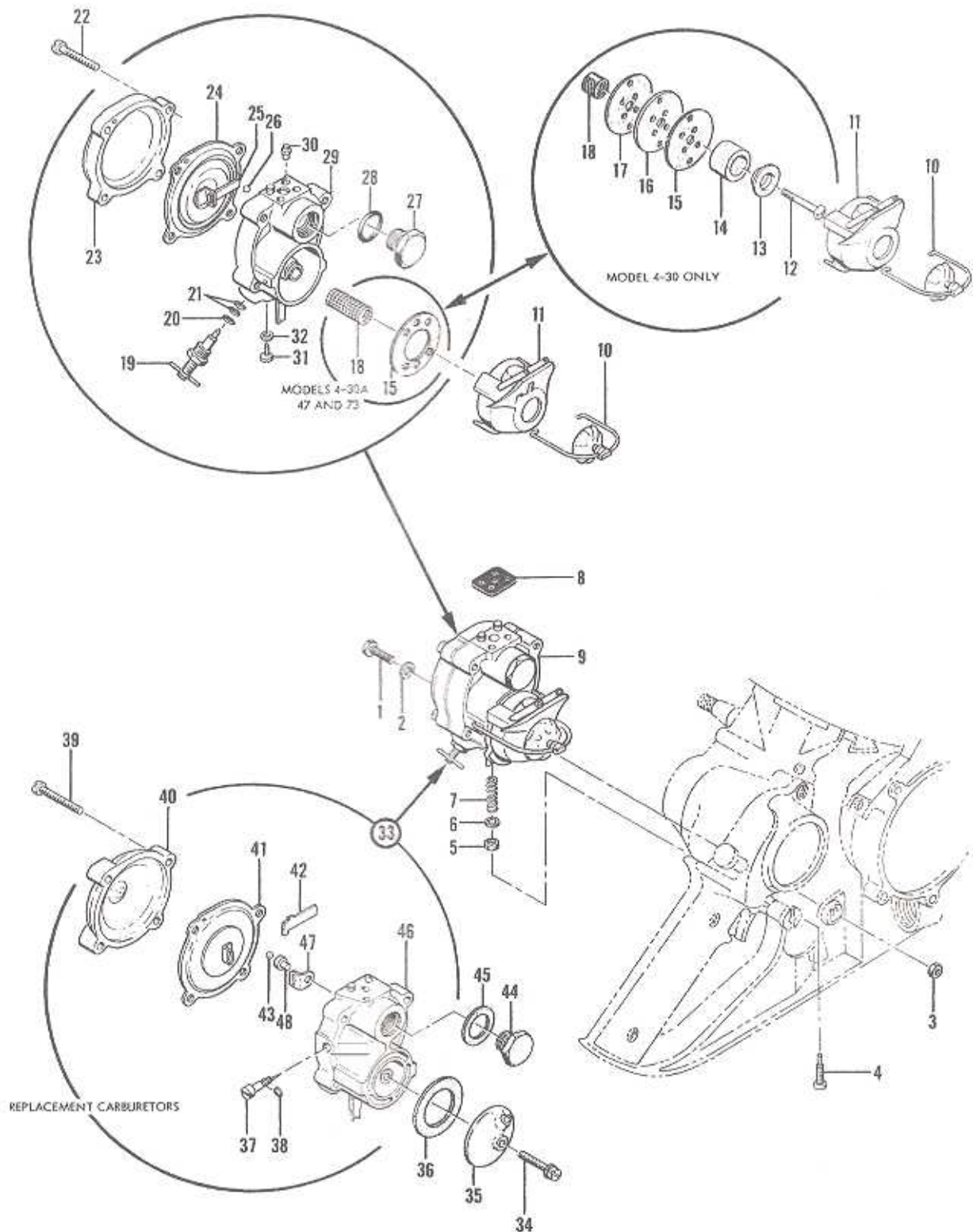


Figure 9. Model 4-30, 4-30A, 47 and 73 Carburetors

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FIGURE 9. (CONT)

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
9-5	101075	Nut - Hex 10-32	1	BCDE
-6	100296	Lockwasher - No. 6	1	BCDE
-7	19183	Spring	1	BCDE
-8	19697	Gasket - Carburetor to crankcase	1	BCDE
-9	19662	Carburetor Assembly (Not available - Order Carburetor Assembly #47393)	1	B
	19662C	Carburetor Assembly (Not available - Order Carburetor Assembly #47393)	1	CDE
-10	19605	Bail Assembly	1	BCDE
-11	28558A	Bowl Assembly - Sediment	1	BCDE
-12	19840	Screw - Fuel filter	1	B
-13	19602A	Cap - Filter	1	B
-14	19603	Filter - Fuel	1	B
-15	19842	Gasket - Fuel filter bowl	1	B
	28539	Gasket - Bowl	1	CDE
-16	19841	Plate	1	B
-17	19842	Gasket - Fuel filter bowl	1	B
-18	19598A	Filter - Diaphragm	1	B
	28538	Screen - Fuel	1	CDE
-19	19782A	Needle Valve Assembly	1	BCDE
-20	101758	Packing - "O" ring	1	B
	19899	Packing - Needle	1	CDE
-21	19899	Packing - Needle	2	CDE
-22	101965	Screw - Fil hd 10-24 x 7/8 in. lg	4	BCDE
-23	19615A	Cover - Carburetor	1	BCDE
-24	28696A	Diaphragm and Gasket Assembly	1	BCDE
-25	19626	Lever - Diaphragm	1	BCDE
-26	100302	Ball	1	BCDE
-27	19670	Body Assembly - Shut off valve	1	BCDE
-28	19673	Washer - Body	1	BCDE
-29	19630A	Body Assembly - Carburetor	1	B
	19630C	Body Assembly - Carburetor	1	CDE
-30	19769	Jet - Idler fuel	1	B
	28602	Orifice Assembly - Carburetor	1	CDE
-31	103934	Screw - Rd hd 6-32 x 1/4 in. lg	1	BCDE
-32	101838	Gasket	1	BCDE

Replacement Carburetor Assemblies #47559A* and #47393

-33	47559A	Carburetor Assembly (Not available - Order Carburetor Assembly #47393)	1	BCDE
	47393	Carburetor Assembly	1	BCDE
-34	100258	Screw - Rd hd 10-24 x 1 in. lg	1	BCDE
-35	28952	Inlet Assembly	1	BCDE
-36	28954	Seal Inlet Assembly	1	BCDE
-37	47557	Screw - Idle adjustment (Includes "O" Ring #102155)	1	BCDE
-38	102155	"O" Ring	1	BCDE
-39	101965	Screw - Fil hd 10-24 x 7/8 in. lg	4	BCDE
-40	19615A	Cover - Carburetor	1	BCDE
-41	28696A	Diaphragm and Gasket Assembly	1	BCDE
-42	19626	Lever - Diaphragm	1	BCDE
-43	100302	Ball	1	BCDE
-44	19670	Body Assembly - Shut off valve	1	BCDE
-45	19673	Washer	1	BCDE
-46	28949A	Body Assembly - Carburetor	1	BCDE
-47	19625	Hinge - Diaphragm	1	BCDE
-48	28737	Seat Assembly - Check valve	1	BCDE

*Carburetor Assembly #47559A was an earlier replacement carburetor on the listed engines. Parts are same for both replacement carburetors.

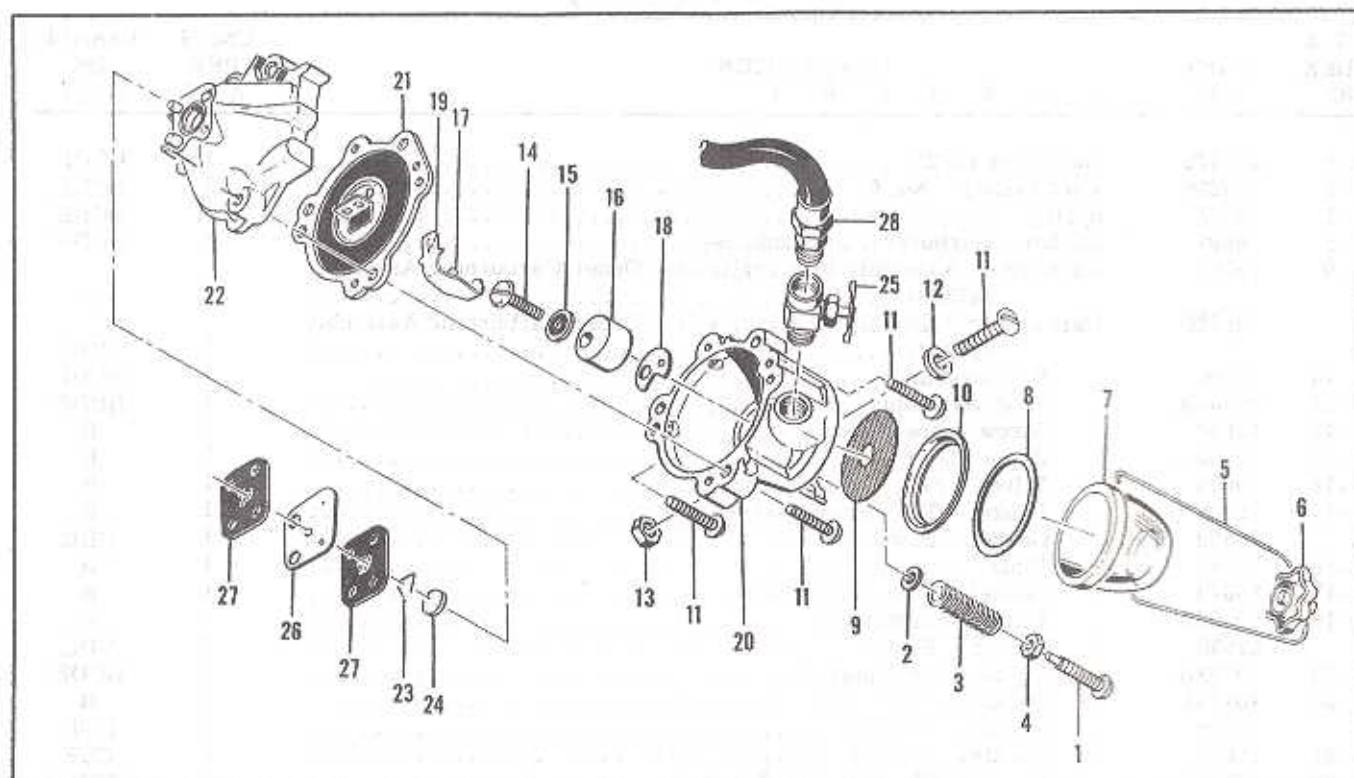


Figure 10. Model 3-25 Carburetor

FIGURE 10. MODEL 3-25 CARBURETOR.

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
Code: "A" indicates parts used on Model 3-25 engines.				
10-1	19239	Screw	1	A
-2	100296	Washer - No. 6	1	A
-3	19183	Spring	1	A
-4	101075	Nut - Hex 10-32	1	A
-5	19386	Bail Assembly	1	A
-6	19388	. Cup Nut Assembly	1	A
-7	17167A	Bowl	1	A
-8	17168A	Gasket	1	A
-9	19805	Filter - Sediment bowl	1	A
-10	19808	Retainer - Filter	1	A
	19214	Carburetor	1	A
-11	101992	. Screw - Rd hd 10-24 x 7/8 in. lg	4	A
-12	100352	. Washer	1	A
-13	101191	. Nut - Hex 10-24	1	A
-14	101904	. Screw - Pan hd 10-24 x 3/4 in. lg	1	A
-15		. Washer - Lock-O-Seal	1	A
-16	19486B	. Ball Seat Assembly	1	A
-17	100302	. Ball	1	A
-18	19487	. Gasket - Ball seat	1	A
-19	19148A	. Hook and Pin Assembly	1	A
-20	19489	. Body - Diaphragm chamber	1	A
-21	19164	. Diaphragm Assembly	1	A
-22	19178	. Cover Assembly	1	A
-23	19268	. Retaining Ring	1	A
-24	19267	. Valve - Check	1	A
-25	101437	Valve - Shut-off	1	A
-26	19155	Plate - Orifice	1	A
-27	19697	Gasket - Carburetor to crankcase	2	A
-28	101271	Fuel Line	1	A

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The information contained in this Master Illustrated Parts List is based on original Illustrated Parts Lists, Engineering Records and the Master Parts Price List and is accurate to the best of our knowledge. Additions and changes will be covered in special lists to be issued periodically to distributors and dealers. The Master Illustrated Parts List will be revised and reissued annually if necessary.

This Master Illustrated Parts List carries all the available parts for servicing and repairing the listed chain saw engines. When assemblies are no longer sold but parts are available for repair of the assemblies, the individual parts are listed under the no-longer available assembly and the replacement assembly is carried in parenthesis directly after the name of the part. Replacement assemblies when used in the production of other models appear in sequence in the various lists. When the replacement assembly was not used in the production of other models, the replacement assembly and its parts are boxed.

Each chain saw model is given a code letter. Whenever the code letter appears in the right hand column, the part is used on the engines of the model for which the code letter stands. When a part is used on all models covered in the Master Illustrated Parts List, the word "All" appears in the right-hand column instead of the code letters. When a model uses two different assemblies to do the same thing, earlier engines using the first assembly are coded as (for example) "A¹" and the later engines with the second assembly are coded "A²".

Names of parts have been checked and made to agree with the names given in the Master Parts Price List except in a very few cases where additional nomenclature was required.

The illustrations of the individual parts do not necessarily picture all the differences between parts with the same item number because the illustrations would be too complicated for use if they did. Instead, the illustration shows a representative part for each item number.