

Illustrated Parts List

McCULLOCH

1-40

CHAIN SAW

(#50557 1-40 NOV. 1959⁽²⁾)

McCULLOCH CORPORATION

6101 West Century Blvd., Los Angeles 45, Calif.

ILLUSTRATIONS

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The following pages contain an illustrated parts list for the 1-40 Chain Saw. Due to small differences between saws, it is important that the Serial Number of your saw be included whenever spare parts are ordered. This will assure receiving the proper parts from your dealer.

NOTE: A complete parts price list is available upon request.

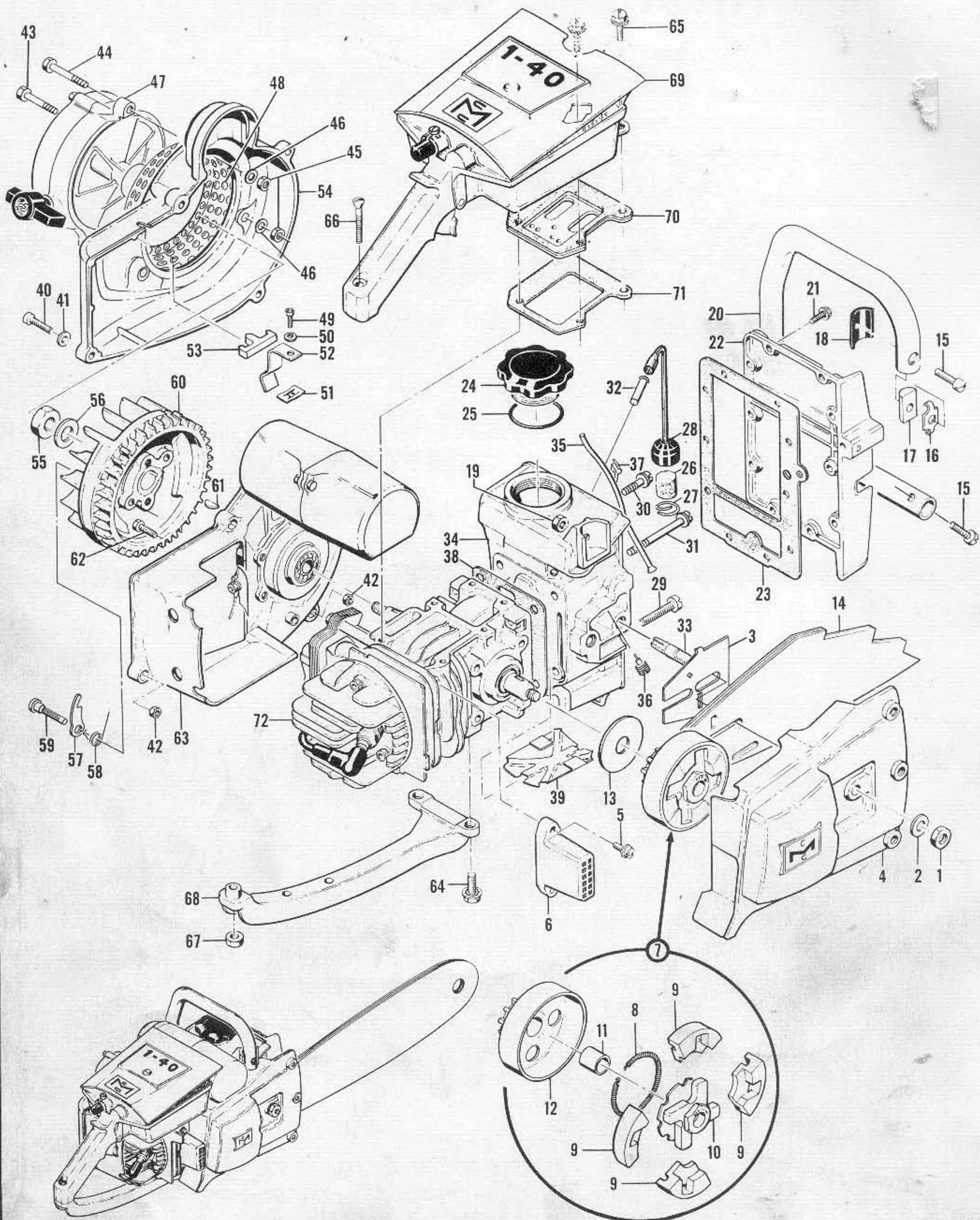


Figure 1. Engine Exploded View - General

FIGURE 1 ENGINE EXPLODED VIEW—GENERAL

Index No.	Part Number	Nomenclature	Units Per Assy
1	103729	Nut - Hex 3/8-24	2
2	100006	Washer - Plain 3/8	2
3	50352 -	Cover - Bar	1
4	50072B	Guard - Clutch	1
5	102388 -	Screw - 10-24 x 5/8 in. lg	2
6	50115	Pipe - Exhaust	1
7	No Number	Clutch Sprocket and Drum and Bearing Assy	1
	50060	Clutch Assy	1
8	51468	. Spring - Shoe	1
9	51464A	. Shoe - Clutch	4
10	50144	. Rotor Assy - Clutch	1
	50129	Sprocket, Drum and Bearing Assy	1
11	50128	. Bushing	1
12	51775A	. Sprocket and Drum Assy	1
13	50132	Washer - Sprocket Assy	1
14	No Number	Bar and Chain Assy (See figure 5)	1
15	100416	Screw - Fil hd 1/4-20 x 1 in. lg	3
16	50064	Washer - Square	3
17	50063	Saddle	3
18	50062	Insulator	3
19	101143	Nut - Hex 1/4-20	3
20	50061A -	Frame	1
21	103464	Screw - Hex hd 10-24 x 3/4 in. lg (SEMS)	10
22	50114A	Cover - Fuel tank	1
23	50034B	Gasket - Fuel tank	1
24	36200 -	Cap Assy - Fuel	1
25	101348	"O" ring	1
26	50124A	Filter	1
27	50440	Retainer - Fuel filter	1
28	50082	Hose - Flex	1
29	36151B	Screw - Blade adjusting	1
30	50340	Screw Assy - Sealing	3
31	50569	Screw Assy - Sealing	1
	50647	Fuel Tank Assy	1
32	28042	. Nipple - Fuel hose	1
33	50051	. Stud - Mounting	2
34		. Fuel Tank (Order Fuel Tank Assy #50647)	1
35	50501	. Tube - Vent	1
36	50505A -	. Orifice Assy - Fuel vent	1
37	104230	. Speednut	1
38	50141A -	Gasket - Bottom	1
39	50497	Pickup - Condensate oil	1
40	102761	Screw - Fil hd 10-24 x 7/8 in. lg	4
41	102189	Washer - Plain	4
42	101191	Nut - Hex 10-24	2
43	102760	Screw - Hex hd 10-24 x 1.00 in. lg	2
44	102764	Screw - Hex hd 10-24 x 1.25 in. lg	1
45	101191	Nut - Hex 10-24	3
46	102189	Washer - No. 10	3
47	50529	Starter Assy (See figure 2)	1
48	50581	Guard - Sawdust	1
	50029B	Fan Housing Assy	1
49	101454	. Screw - Pan head #8 x 3/8 in. lg	1
50	100080	. Washer - No. 8	1
51	102399	. Speednut	1
52	50818	. Spring - Switch	1
53	50817	. Button - Switch	1
54		. Housing - Fan (Order Fan Housing Assy #50029B)	1
55	101179	Nut - Hex 7/16	1
56	101270	Washer - Special	1
	No Number	Flywheel and Pawl Assembly	1
57	24093	Pawl - Starter	2
58	50582	Spring - Pawl	2
59	36144	Pin - Pawl	2
60	50003A	Flywheel Assy	1
61	100199	Key - Woodruff No. 3	1
62	55494 -	Screw - Hex hd 10-24 x 3/4 in. lg	6
63	No Number	Crankcase Cover Assy (See figure 2)	1
64	100882	Screw - Hex hd 1/4-20 x 3/4 in. lg	2
65	102289 -	Screw - Hex hd 10-24 x 3/4 in. lg	2
66	104155	Screw - Oval hd 10-24 x 1-1/2 in. lg	1
67	101191	Nut - Hex 10-24	1
68	50041	Brace - Handle	1
69	No Number	Air Box and Carburetor Assy (See figure 3)	1
70		Reed Plate Assy (See figure 3)	1
71	50032	Insulator - Reed plate (Reed plate and engine)	1
72	No Number	Powerhead Assy	1

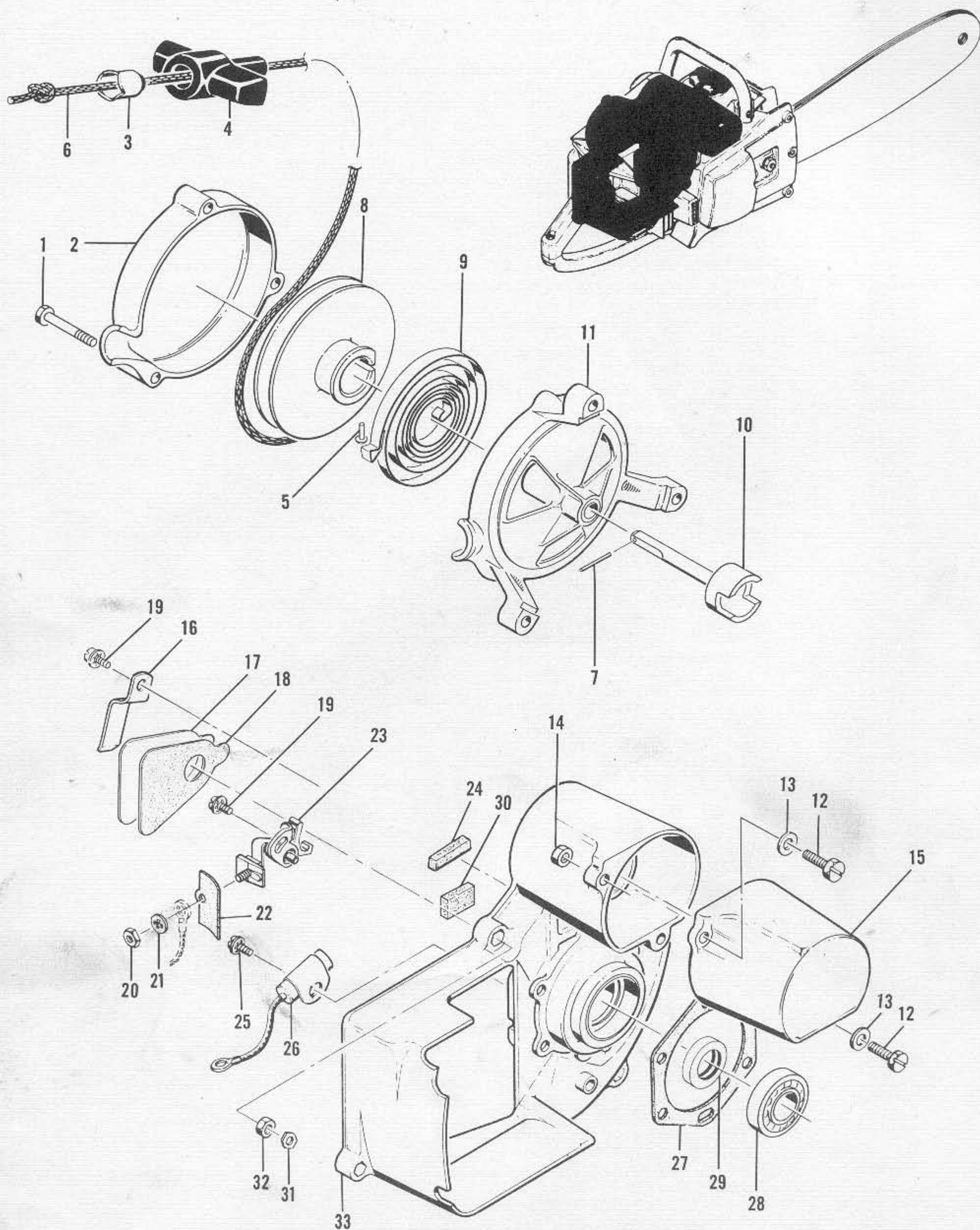


Figure 2. Starter and Crankcase Cover Assembly

FIGURE 2. STARTER AND CRANKCASE COVER ASSEMBLIES

Index No.	Part Number	Nomenclature	Units Per Assy
	50529	Starter Assy	1
1	103725	. Screw - 10-24 x 1.00 (SEMS)	3
2	50552	. Cover - Starter	1
3	24818	. Cup - Starter handle	1
4	24822	. Handle - Starter	1
5	101136	. Rivet	1
6	28716	. Rope - Starter	1
7	103047	. Pin	1
8	51848C	. Drum - Starter	1
9	51665	. Spring - Rewind	1
10	50549	. Shaft - Starter	1
11	50547	. Base - Starter	1
12	102761	Screw - Hex hd 10-24 x 7/8 in. lg	2
13	102189	Washer - Plain	2
14	101191	Nut - Hex 10-24	2
15	50522	Cover Cup	1
16	50671	Retainer - Breaker box cover	1
17	50588	Cover - Breaker box	1
18	50589	Gasket - Breaker box	1
19	103672	Screw - 8-32 x 1/2 in. lg (SEMS)	2
20	100251	Nut - 8-32	1
21	100057	Lockwasher - No. 8 internal	1
22	50381	Insulator - Breaker terminal	1
23	50076A	Breaker Assy	1
24	50664	Felt - Breaker box	1
25	103672	Screw - 8-32 x 1/2 in. lg (SEMS)	1
26	50074	Condenser	1
27	51240	Gasket - Crankcase	1
28	100824	Bearing - Ball	1
	50515	Cover - Crankcase Assy	1
29	50663	. Seal - Oil	1
30	54184	. Wiper - Felt	1
31	28935	. Retainer - Nut	3
32	101191	. Nut - Hex 10-24	3
33		. Cover - Crankcase (Order Crankcase Cover Assy #50515)	1

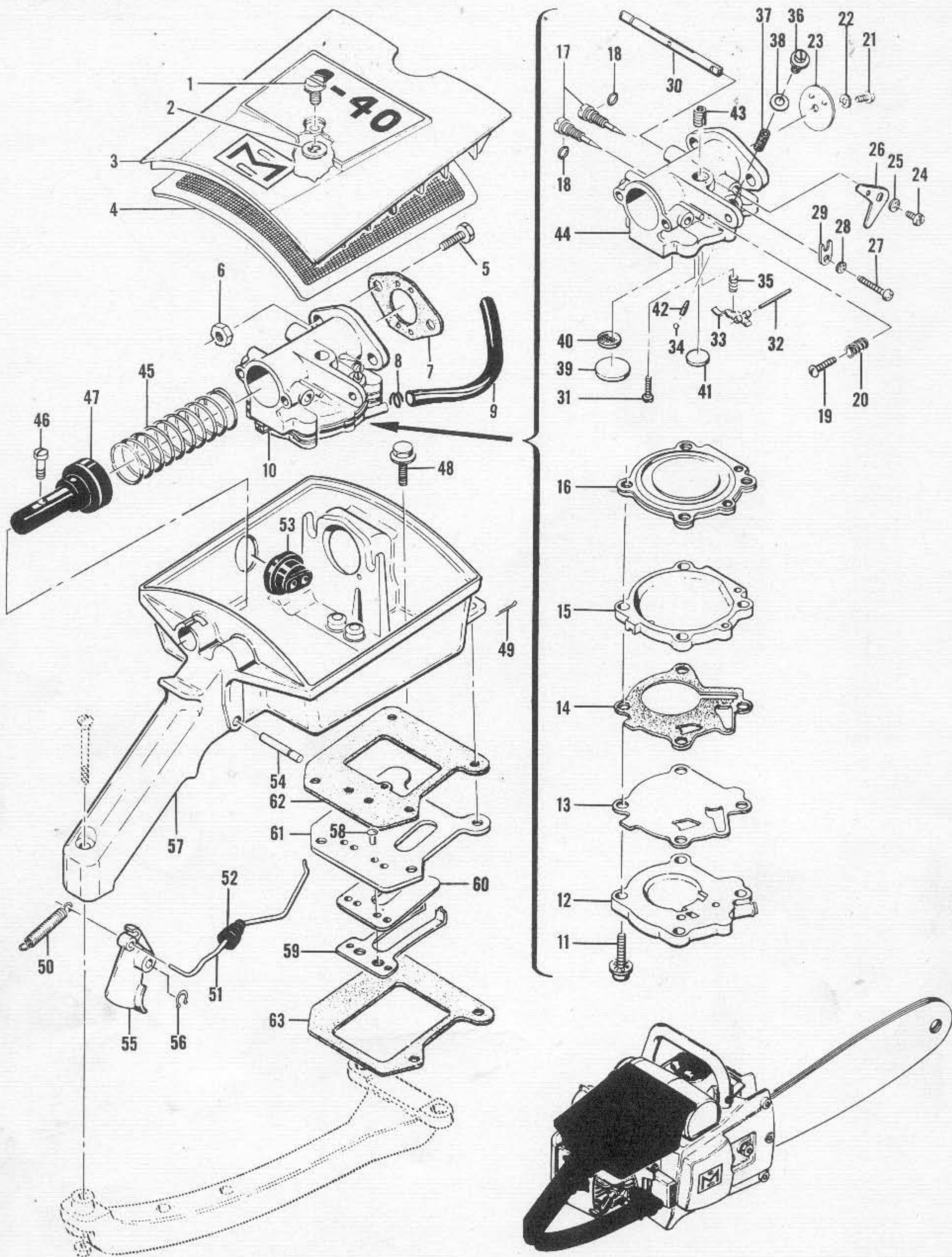


Figure 3. Air Box and McCulloch Carburetor Assembly

FIGURE 3 AIR BOX AND McCULLOCH CARBURETOR ASSEMBLY

Index No.	Part Number	Nomenclature	Units Per Assy
	50822	Cover Assy - Cleaner	1
1	51351	. Screw - Special	1
2	103741	. Speednut	1
3		. Cover - Air cleaner (Order Cover Assy #50822)	1
4	55498	- Screen - Air cleaner	1
5	100882	Screw - Hex hd 1/4-20 x 3/4 in. lg	2
6	103242	Nut - Hex 1/4-20	2
7	50123A	Gasket - Carburetor	1
8	50742	Clamp - Fuel hose	2
9	50097	Hose - Fuel	1
10	50070C	McCulloch Carburetor & Fuel Pump Assy	1
11	104138	. Screw - Hex hd (SEMS) 10-24 x 0.88 in. lg	4
12	55171A	. Body - Fuel pump.....	1
13	55070	. Diaphragm - Fuel pump	1
14	55069A	. Gasket - Fuel pump	1
15	55068A	. Plate Diaphragm	1
16	55067	. Diaphragm	1
17	55090	. Needle - Metering	2
18	104001	. "O" ring	2
19	55397	. Screw - Rd hd 8-36 x 0.94 in. lg	1
20	51705	. Spring - Idle screw	1
21	104000	. Screw - Pan hd 4-40 x 1/4 in. lg	1
22	103540	. Lockwasher - Internal	1
23	55085	. Plate - Butterfly	1
24	104000	. Screw - Pan hd 4-40 x 1/4 in. lg	1
25	103540	. Lockwasher - Internal	1
26	50701	. Arm - Throttle shaft	1
27	102219	. Screw - Fil hd 8-32 x 1/4 in. lg	1
28	100252	. Lockwasher - No. 8	1
29	55082	. Clip - Throttle shaft	1
30	50493	. Shaft - Throttle	1
	50494	. Body Assy - Carburetor	1
31	104164	. . Screw - Pan head 4-40 x 1/4 in. lg	1
32	55065	. . Pin - Inlet lever	1
33	55066	. . Lever - Inlet control	1
34	100302	. . Ball - 1/8 in. dia	1
35	55084	. . Spring - Inlet lever	1
36	55360	. . Plug - Filter.....	1
37	55348	. . Filter - Fuel.....	1
38	50126	. . Gasket	1
39	104145	. . Plug - Expansion 3/4".....	1
40	55063	. . Filter - Carburetor	1
41	102758	. . Plug - Expansion 1/2".....	1
42	55343	. . Seat - Ball check	1
43	101616	. . Insert - Tap lock 1/4-20	1
44		. . Carburetor Body (Order Carburetor Assy #50494)	
45	50147A	Spring - Choke	1
46	50776	Screw - Self tapping	1
47	50148B	- Button - Choke	1
48	104138	Screw - 10-24 x 7/8 in. lg (SEMS)	2
	50087A	Airbox Assy	1
49	100010	. Pin - Cotter	1
50	36499	. Spring - Throttle	1
51	50590	. Rod - Throttle	1
52	51561	- Grommet - Throttle	1
53	50089	. Grommet - Carburetor controls	1
54	50507	. Pin	1
55	50091B	. Trigger	1
56	104231	. Retainer.....	1
57		. Box Air (Order Air Box Assy #50087A)	1
	50747A	- Reed Plate Assy	1

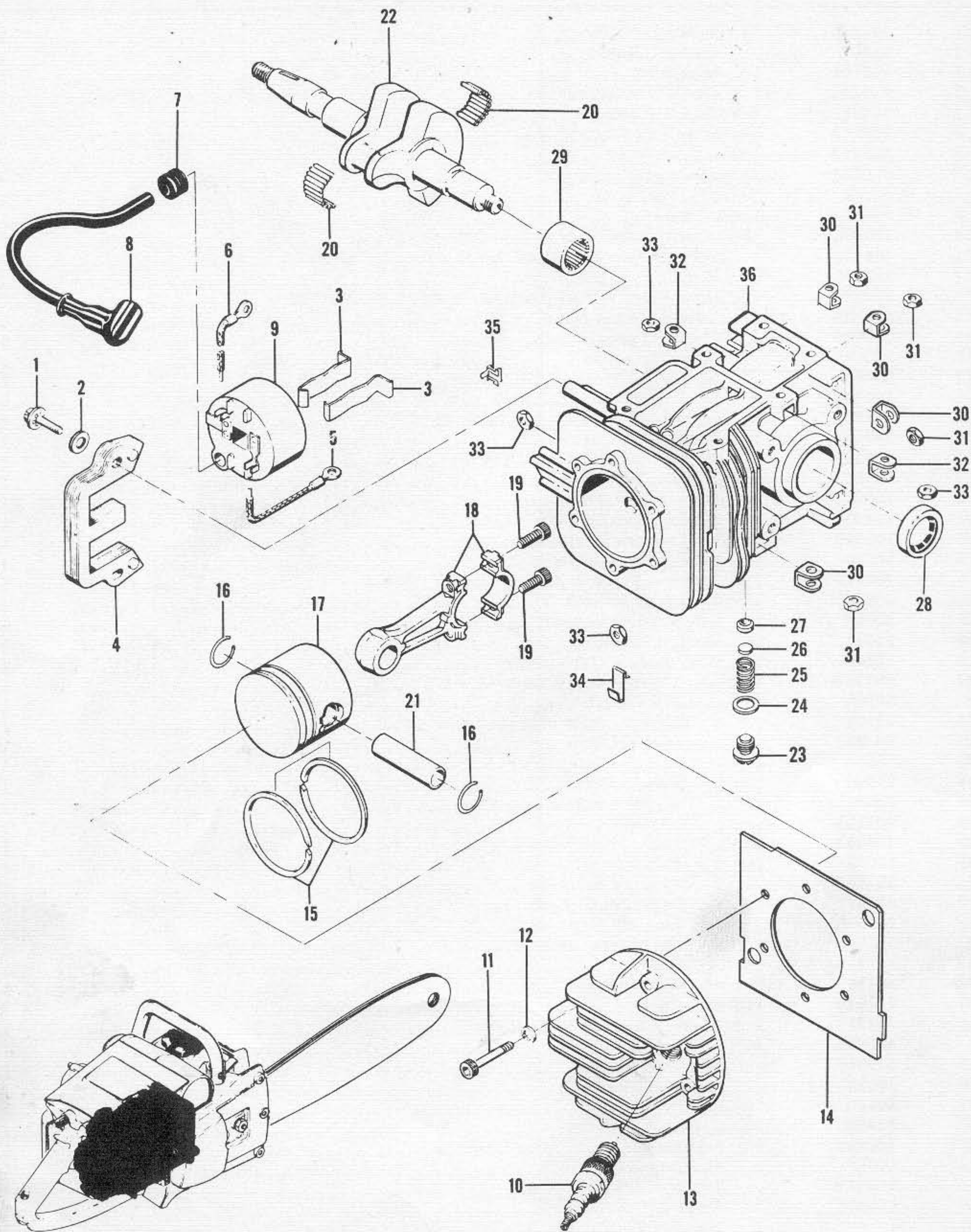


Figure 4. Powerhead Assembly

Index No.	Part Number	Nomenclature	Units Per Assy
58	104348	Rivet	2
59	51810A	Guard - Reed	1
60	51809A	Reed	1
61	50748A	Plate - Reed	1
62	50026B	Gasket - Air box	1
63	50032A	Insulator - Reed plate	1

FIGURE 4 POWERHEAD ASSEMBLY

Index No.	Part Number	Nomenclature	Units Per Assy
1	104138	Screw - Fil hd 10-24 x 7/8 in. lg (SEMS)	2
2	102189	Washer - Plain	2
3	51253	Retainer - Coil	2
4	51251	Lamination Assy	1
	50121	Coil and Terminal Assy	1
5	101883	Wire Assy - Ground	1
6	50137	Wire Assy - Primary	1
7	100268	Grommet	1
8	50120	Wire Assy - Spark plug	1
9		Coil Assy (Order Coil and Terminal Assy #50121)	1
10		Plug - Spark 14MM	1
11	101563	Screw - Socket hd 10-24 x 1.25 in. lg	6
12	24236	Washer - Plain #10	6
13	55146	Head - Cylinder	1
14	55012B	Gasket - Cylinder head	1
	50206	Piston Assy	1
15	55123	Ring - Piston (Set of 2 rings - chrome top ring)	1
16	50133	Ring - Retaining	2
17		Piston (Order Piston Assy #50206)	1
18	55009	Connecting Rod Assy	1
19	101356	Screw - Socket hd 10-32 x .75	2
20	102742	Roller - Needle	24
21	50207A	Pin - Piston	1
22	50659	Crankshaft	1
	50733	Cylinder Assy - Crankcase	1
23	50092B	Body - Valve	1
24	50126	Gasket - Valve	1
25	50173A	Spring - Valve	1
26	50174	Disk - Valve	1
27	50171	Seat - Valve	1
28	104128	Seal - Oil	1
29	104129	Bearing - Needle	1
30	18556A	Retainer - Nut	6
31	101143	Nut - Hex 1/4-20	6
32	28053	Retainer - Nut	2
33	101326	Nut - Hex 10-24	8
34	57063	Retainer - Nut	4
35	104255	Retainer - Nut	2
36		Cylinder - Crankcase Assy (Order Cylinder Assy #50733)	1

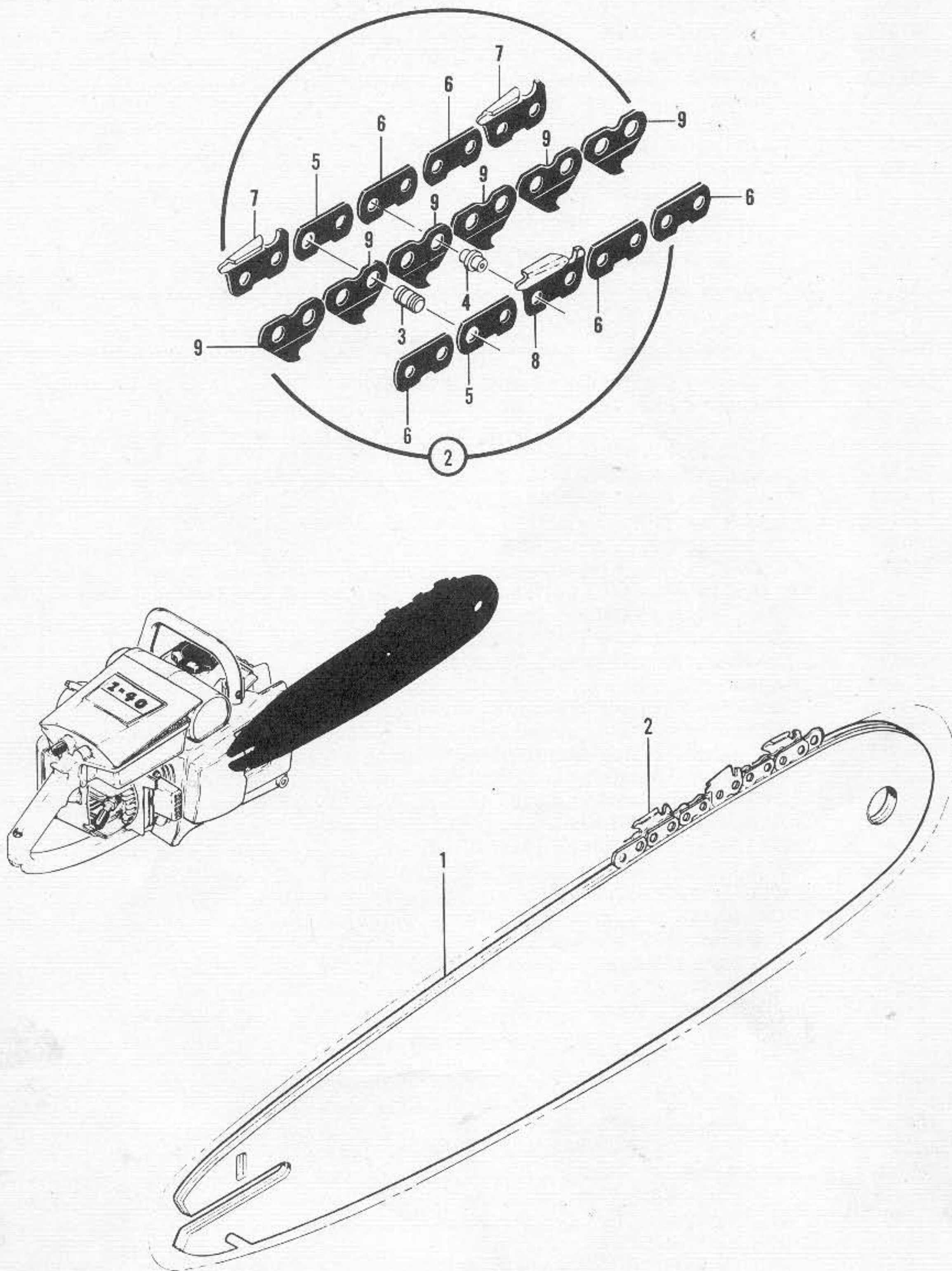


Figure 5. Bar and Chain Assembly

FIGURE 5. BAR AND CHAIN ASSEMBLY

Index No.	Part Number	Nomenclature	Units Per Assy
1	50361	Bar - Flame Hardened - .185 inch wide - 12''	1
	51403B	Bar - Hard Faced - .185 inch wide - 12''	1
	52551	Bar - Flame Hardened - .185 inch wide - 18''	1
	51405A	Bar - Hard Faced - .185 inch wide - 18''	1
	51407A	Bar - Hard Faced - .185 inch wide - 24''	1
	50607	Laminated Bar - Flame Hardened - 12''	
	50606	Laminated Bar - Hard Faced - 12''	
	50347	Laminated Bar - Flame Hardened - 18''	
	50346	Laminated Bar - Hard Faced - 18''	
	50348	Laminated Bar - Hard Faced - 24''	
2		Typical McCulloch "P" Series Chain Assy	
3	.	Master Pin	
4	.	Rivet	
5	.	Master Side Link	
6	.	Side Link	
7	.	Cutter - Left side	
8	.	Cutter - Right side	
9	.	Center Link	

TOOLS AND ACCESSORIES

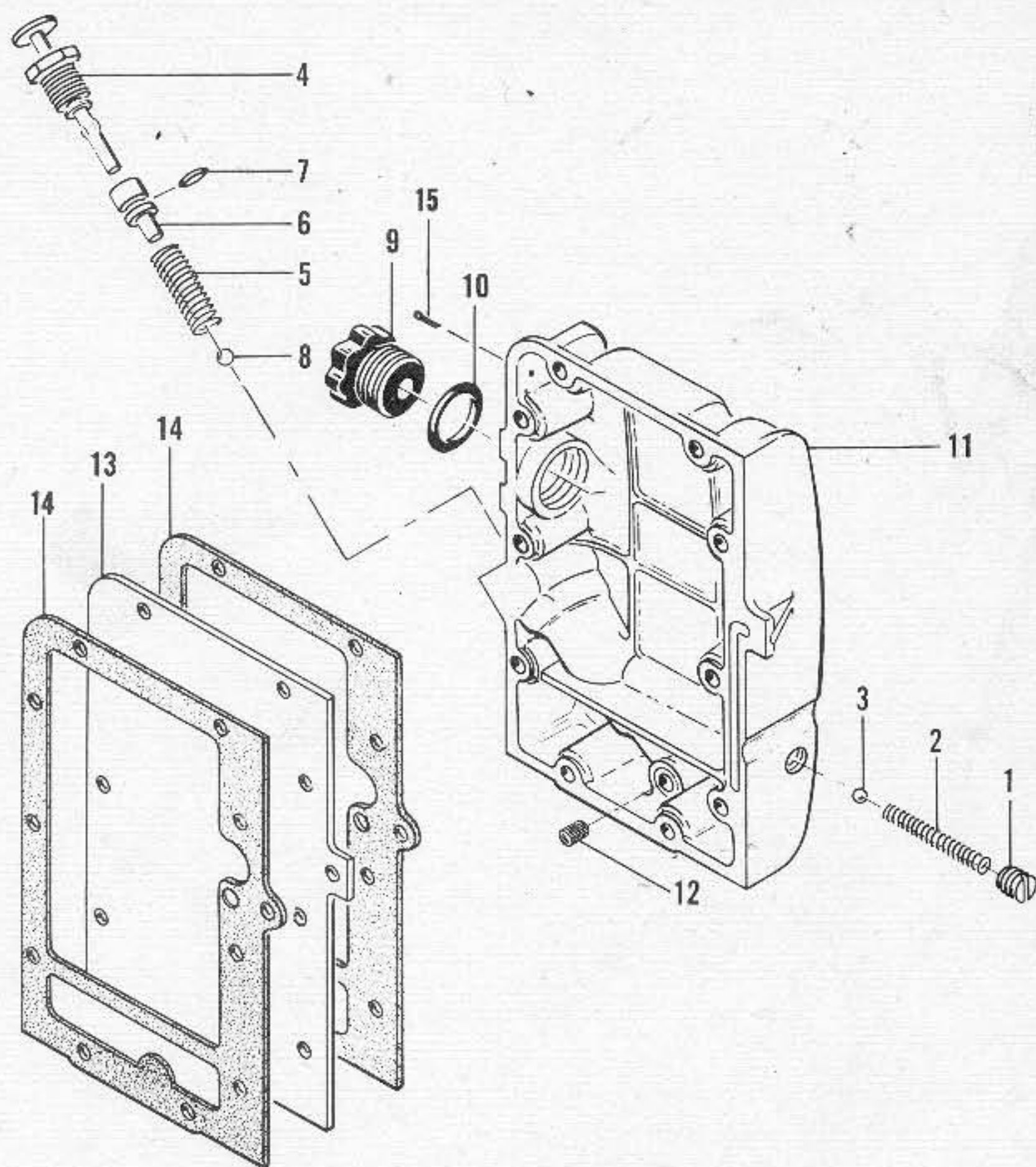
Part Number	Nomenclature
*51445	Wrench and Screwdriver Combination
*50564	Operation and Maintenance Manual
*50557	Illustrated Parts List
51443	Spike
36248	Wrench - Spark plug
18413A	Feeler Gauge
102094	Chain Grinding Fixture
102449	McCulloch Yellow Paint (12 oz spray bomb type)
102057	McCulloch Oil (1 quart)
102664	McCulloch Oil (12 oz can)
103736	File - Round 7/32 in. diameter
104003	File - Round 3/16 in. diameter
50823	Gasket Set
56224	Chain Breaker - Rivet Spinner
56250	Depth Gauge - .025 - .040
56251	Depth Gauge - .045 - .060

*Indicates items furnished with each saw

OVERSIZE PISTON ASSEMBLY

Part Number	Nomenclature	
50134	Piston Assembly .020 oversize	1
55125	. Ring - Piston .020 oversize (Set of two rings)	1
50133	. Ring - Retaining	2

MODEL 1-40 SUPER DUTY OILER ADDENDUM



Super Duty Oiler

Index No.	Part Number	Nomenclature	Units Per Assy
	50431B	Super Duty Oiler	1
1	101864	. Plug	1
2	36101	. Spring	1
3	100549	. Ball - Outlet	1
4	52432	. Plunger and Plug Assy	1
	52167	. Plug	1
	102189	. Washer	1
	36127	. Plunger Assy	1
5	52433	. Spring - Oiler	1
6	36126	. Piston - Oiler	1
7	101056	. O ring	1
8	100549	. Ball - Outlet	1
9	52388	. Cap - Oil filler	1
10	101148	. Gasket - "O" ring	1
11		. Tank - Oil (Order Oiler #50431B)	
12	50473	. Screen - Oil inlet.....	1
13	50430	. Plate - Fuel and oil separator	1
14	50034B	. Gasket - Oil tank	2
15	100010	. Pin -- Cotter	1

FIGURE 3 AIR BOX AND TILLOTSON CARBURETOR ASSEMBLY

ADDENDUM TO PAGES 6 and 7 OF ILLUSTRATED PARTS LIST MODEL 1-40

Index No.	Part Number	Nomenclature	Units Per Assy
1	50674	Nut - Air cleaner attachment	1
2	50822	Cover Assy - Air cleaner	1
3	55498 -	Screen - Air cleaner	1
4	102121 -	Screw - Hex hd 1/4-20 x 7/8 in. lg	2
5	103242	Nut - Hex 1/4-20	2
6	50742	Clamp - Fuel hose	2
7	50097	Hose - Fuel	1
8	50687	Tillotson Carburetor Assy	1
9	*50799	. Screw - Idle speed regulating	1
10	*51705	. Spring - Idle speed regulating screw	1
11	50785	. Stud - Air cleaner attachment	1
12	50786	. Gasket - Air cleaner attachment stud	1
13	*50797	. Screw - Fuel strainer cover retaining	1
14	50798	. Gasket - Fuel strainer cover retaining	1
15	50796	. Cover - Fuel strainer.....	1
16	51704	. Gasket - Fuel strainer cover	1
17	*50795	. Element - Fuel strainer	1
18	51597	. Screw and Lockwasher - Fuel pump body	6
19	50794	. Body - Fuel pump	1
20	51595	. Diaphragm - Fuel pump	1
21	*51594	. Gasket - Fuel pump	1
22	51592	. Cover - Diaphragm	1
23	*51590	. Diaphragm	1
24	51591	. Gasket - Diaphragm	1
25	51589	. Drain Screw - Diaphragm chamber	1
26	*51702	. Screw - Idle adjustment	1
27	*51712	. Screw - Main adjustment	1
28	51703	. Seal Ring	2
29	51721	. Screw and Lockwasher - Choke shutter	1
30	51587	. Shutter - Choke	1
31	51719 -	. Screw - Choke lever retaining	1
32	50805 -	. Lockwasher - Choke lever retaining	1
33	51546 -	. Lever - Choke	1
34	50789	. Shaft and Lever - Choke	1
35	*50826	. Spring - Choke shaft return	1
36	51717	. Screw - Throttle shaft clip	1
37	100252	. Lockwasher - Throttle shaft clip	1
38	51716	. Clip - Throttle shaft.....	1
39	*51721	. Screw and Lockwasher - Throttle shutter	1
40	51720	. Shutter - Throttle	1
41	51719	. Screw - Throttle governor lever	1
42	*50805	. Lockwasher - Throttle governor lever.....	1
43	50804	. Lever - Throttle governor	1
44	50803	. Throttle Shaft and Lever	1
45	*51707	. Seat and Gasket	1
46	51708	. Gasket - Inlet seat	1
47	*51710 -	. Screw - Inlet control lever pinion	1
48	*51709	. Lever - Inlet control	1
49	51711	. Spring - Inlet tension	1
	50779	. Carburetor Body Assy (For service)	1
50	51715	. Bushing - Throttle shaft	2
51	*51582 -	. Plug - Body channel cup	1
52	*51583	. Plug - Body channel welch	1
53	*51584	. Plug - Body channel welch	1
54		. Carburetor Body (Order Carburetor Body Assy #50779)	1
55	50123A	Gasket	1
56	50686	Adapter	1
57	51161A	Gasket	1
	*50806	Gasket and Packing Set	1
	50807	Repair Parts Kit	1
58	50776	Screw - Self tapping	1
59	50777A -	Button - Choke	1
60	50692	Rod - Choke	1

*Indicates contents of Repair Parts Kit.

Index No.	Part Number	Nomenclature	Units Per Assy
61	104138	Screw - 10-24 x 7/8 in. lg (SEMS)	2
	50699	Airbox Assy	1
62	100010	. Pin - Cotter	1
63	36499	. Spring - Throttle	1
64	50684	. Rod - Throttle	1
65	51561	. Grommet - Throttle	1
66	102808	. Rivet	1
67	51396	. Cover Assy	1
68	50507	. Pin	1
69	50091B	. Trigger	1
70	104231	. Retainer	1
71		. Box - Air	1
	50747A	Reed Plate Assy.....	1
72	104348	. Rivet	2
73	51810A	. Guard - Reed	1
74	51809A	. Reed	1
75	50748A	. Plate - Reed	1
76	50026B	Gasket - Air box	1
77	50032A	Insulator - Reed plate	1

