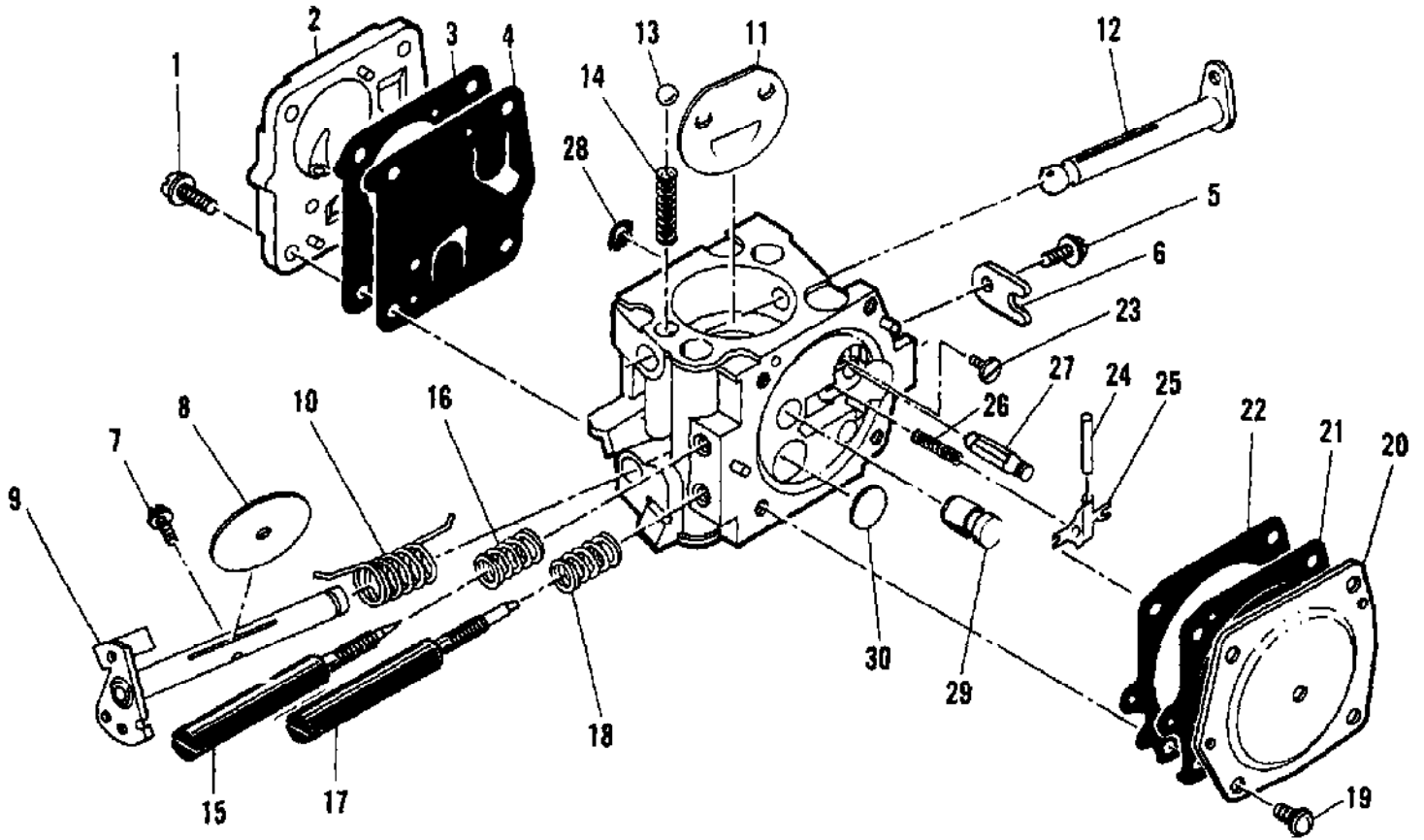


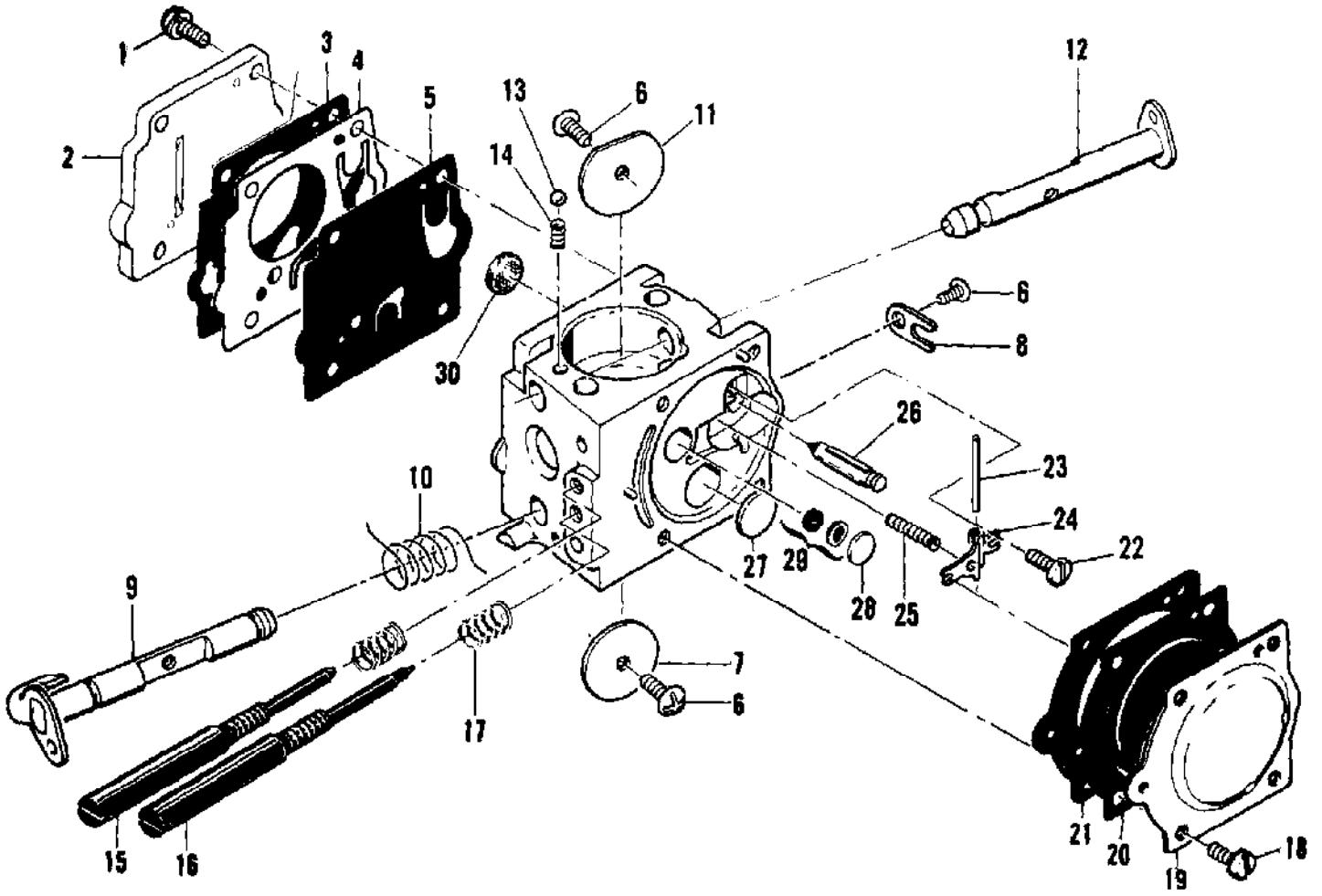
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Diagram
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Parts List
Only

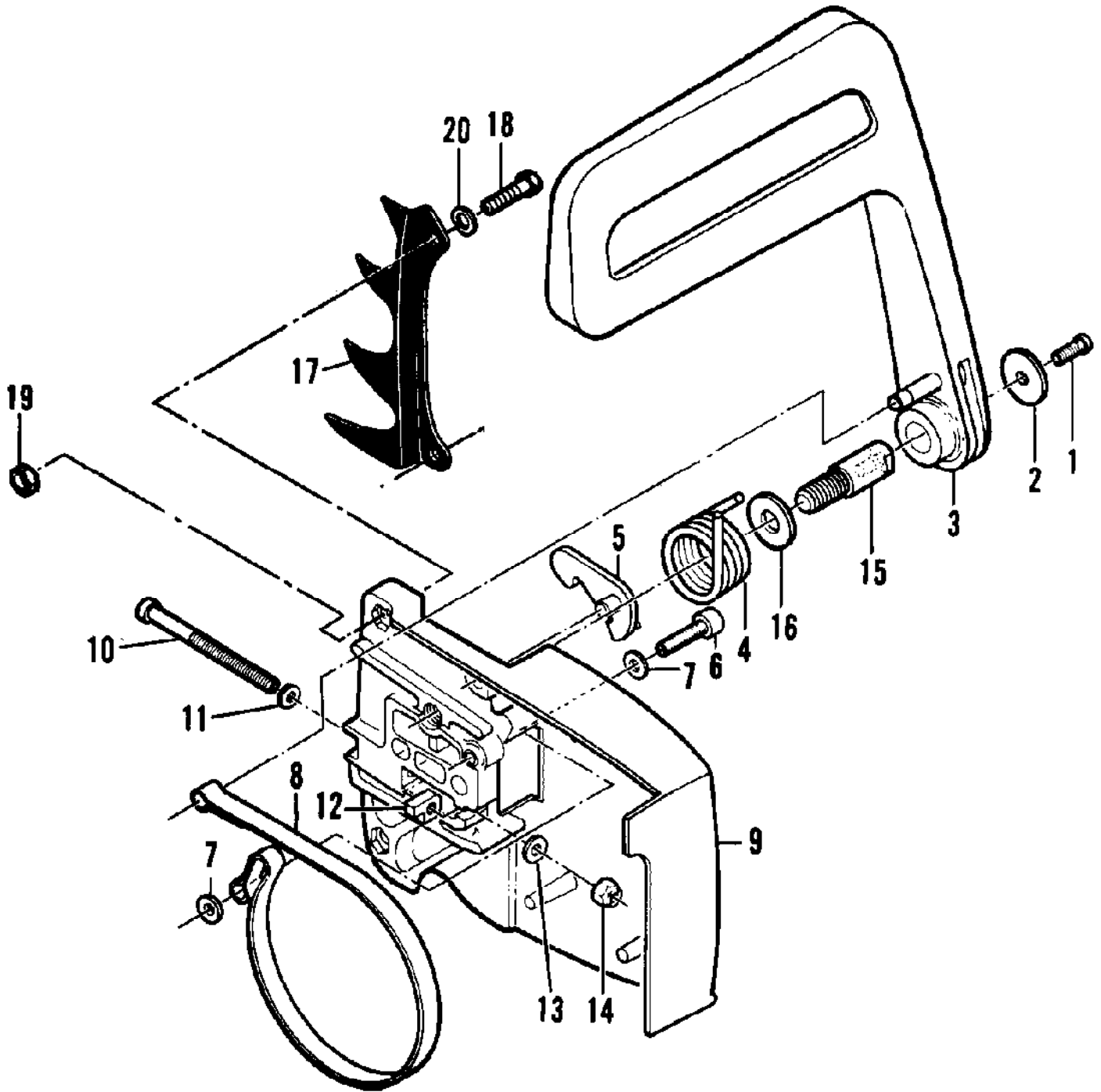
Ref #	Part Number	Qty	Description
	86218		Kit-Preheater
	86209		Kit-Duct, Valve, Guard
	84597		Baffle-Spark arrester
	86943		Kit-Sprocket & Drum 8T .375P
	86344		Kit-Sprocket & Drum 7T .404P
	92455		Rope-Starter (100 ft)
	85968		Guard-Hand
	87839		Adapter-Bar mounting
	91226		Wrench-Clutch retaining
	63432		Spark Plug (standard)
	63097		Spark Plug (hotter)
	63746		Scrench



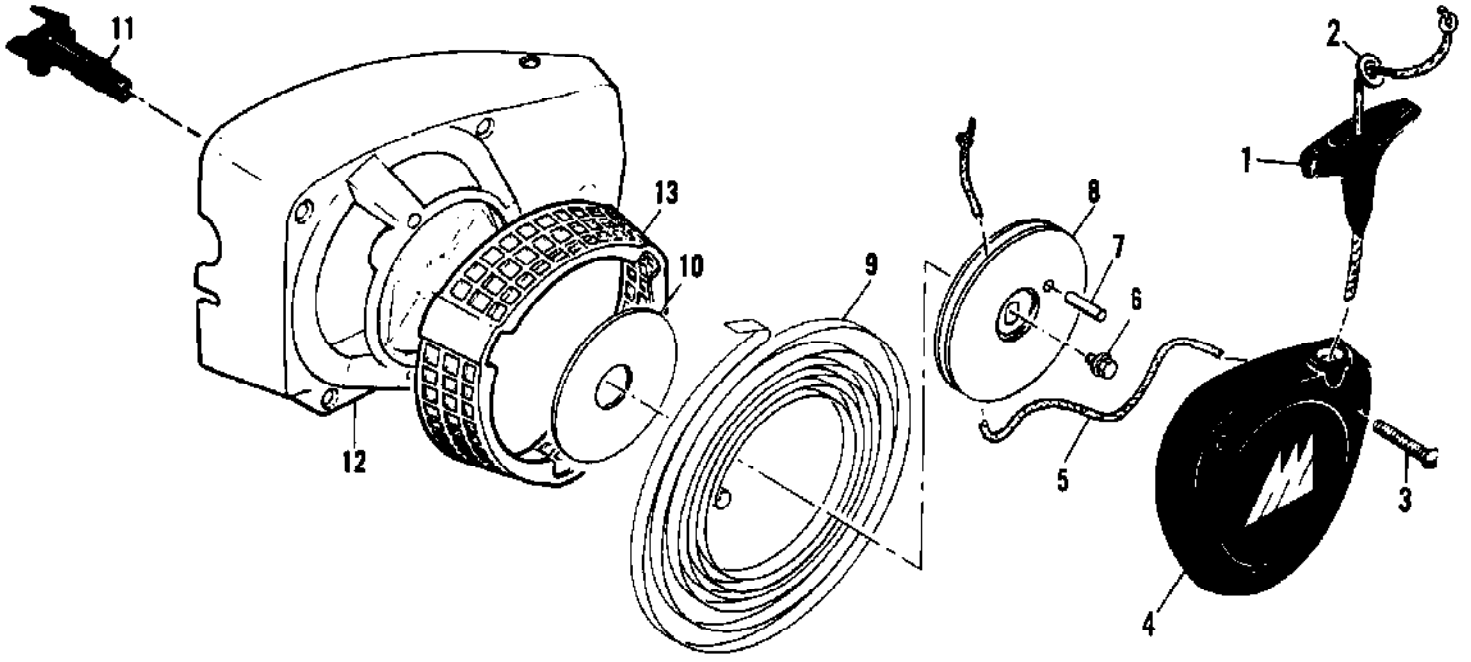
Ref #	Part Number	Qty	Description
	85916	1	Carburetor Asy - HS 111A This is one of two carburetors used alternately on models with serial number prefix 10-, and 11-.
1	52933	4	Screw - Pump cover
2	66628	1	Cover - Pump
3	66629	1	Gasket - Cover
4	66630	1	Diaphragm - Fuel pump
5	48780	1	Screw - Clip retainer
6	66646	1	Clip - Throttle shaft
7	48780	1	Screw - Plate
8	51720	1	Plate - Throttle
9	83546	1	Shaft Asy - Throttle
10	67136	1	Spring - Throttle return
11	65856	1	Plate - Choke
12	83725	1	Shaft Asy - Choke
13	100071	1	Ball - Choke friction
14	52930	1	Spring - Choke friction
15	86169	1	Needle - High speed
16	52936	1	Spring - High Speed needle
17	86170	1	Needle - Idle
18	67133	1	Spring - Idle needle
19	51721	4	Screw - Diaphragm cover
20	83724	1	Cover - Diaphragm
21	66632	1	Diaphragm - Metering
22	66633	1	Gasket - Diaphragm
23	83479	1	Screw - Lever pin
24	66636	1	Pin - Lever
25	66638	1	Lever - Metering
26	66404	1	Spring - Lever
27	66637	1	Valve - Needle
28	66623	1	Screen - Fuel inlet
29	83729	1	Check Valve - Nozzle
30	66622	1	Plug - Welch



Ref #	Part Number	Qty	Description
	87821	1	Carburetor Asy - SDC 38A
1	67501	4	Screw - Pump cover
2	88731	1	Kit - Pump cover
3	88617	1	Gasket - Cover
4	67498	1	Diaphragm - Check valve
5	83114	1	Diaphragm - Fuel pump
6	47690	3	Screw - Plate
7	83762	1	Plate - Throttle
8	67489	1	Clip - Shaft
9	85980	1	Shaft Asy - Throttle
10	85981	1	Spring - Throttle return
11	67490	1	Plate - Choke
12	67488	1	Shaft Asy - Choke
13	100302	1	Ball - Choke friction
14	67504	1	Spring - Choke friction
15	85979	1	Needle - High Speed
16	85982	1	Needle - Idle
17	67502	2	Spring - Needle
18	70798	4	Screw - Diaphragm
19	83761	1	Cover - Diaphragm
20	67499	1	Diaphragm - Metering
21	67496	1	Gasket - Diaphragm
22	67500	1	Screw - Lever pin
23	67508	1	Pin - Lever
24	67509	1	Lever - Inlet
25	67503	1	Spring - Lever
26	67491	1	Valve - Needle
27	71690	1	Plug - 3/8
28	69506	1	Plug - 5/16
29	83758	1	Kit - Valve & Seat Asy
30	67507	1	Screen - Fuel
	67482		Gasket Kit
	85987		Repair Kit

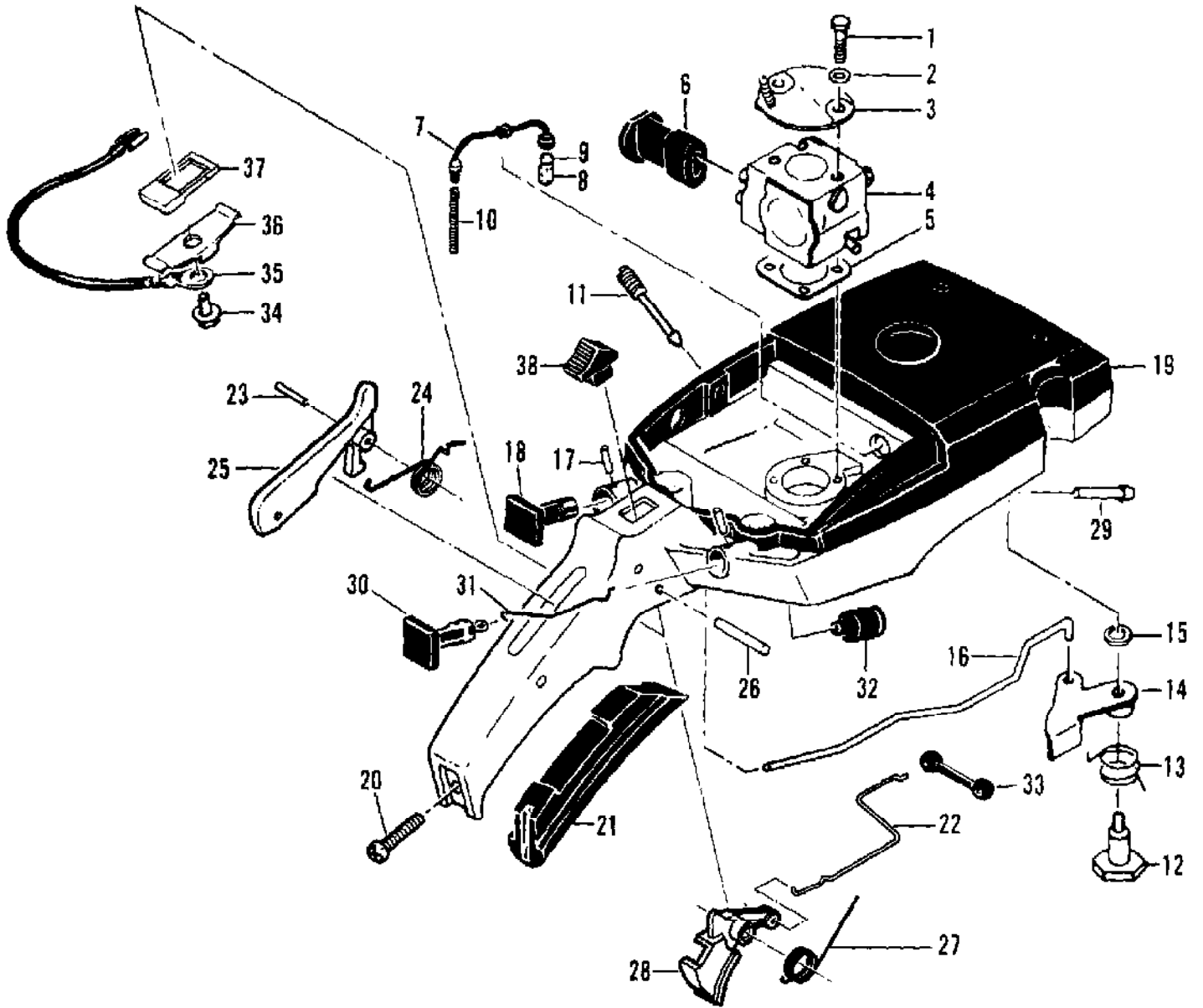


Ref #	Part Number	Qty	Description
	91278	1	CHAIN BRAKE Asy
1	102500	1	Screw - Pan hd 10-24 x 1/2
2	91273	1	Washer - Special
3	91251A	1	Lever Asy
4	91239	1	Spring
5	91235A	1	Latch Asy
6	105738	1	Screw - Skt hd 1/4-20 x 7/8
7	91274	2	Washer - Special
8	91238	1	Band
9	91249	1	Housing Asy
10	110527	1	Screw - Fil hd 10-24 x 2-3/4
11	110264	1	Washer - #10
12	61705	1	Nut - Bar adjusting
13	100002	1	Washer - #10
14	102067	1	Nut - Hx 10-24
15	91246	1	Pin - Lever pivot
16	91245	1	Washer - Thrust
17	86330	1	Kit - Spike
18	102388	2	Screw - Hx hd 10-24 x 5/8
19	101191	2	Nut - Hx 10-24
20	24236	2	Washer - Special

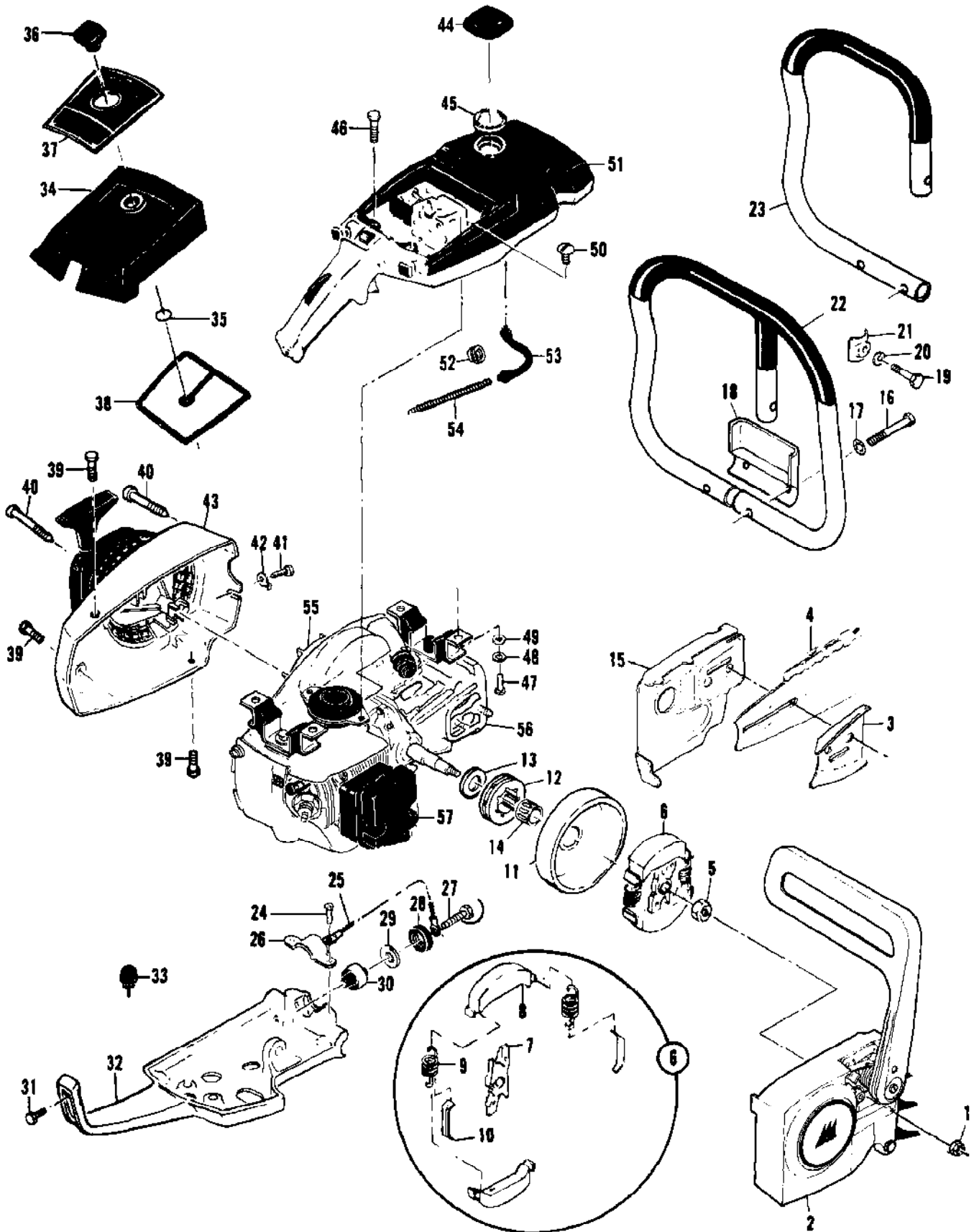


Ref #	Part Number	Qty	Description
1	91255	1	Kit - Starter handle
2	105490	1	Washer
	90921	1	Fan Housing & Starter Asy
3	110646	3	Screw - Oval hd 8-32 x 1-1/8
4	87672	1	Cover Asy - Starter
5	87670	1	Rope - Starter
6	110341	1	Screw - Hex hd 10-24 x 1/2
7	105841	1	Pin - Roll
8	87689	1	Drum - Starter
9	87680	1	Spring - Rewind
10	86053	1	Shield - Spring
11	83748	1	Shaft - Starter
12	87693	1	Kit - Fan housing
13	87674	1	Guard - Sawdust

Ref #	Part Number	Qty	Description
1	83811	1	Screw-Special
2	69924	1	Lockplate
3	91578A	1	Mount Rear
4	84619	1	Insulator
5	86175	1	Clamp Asy-Boot
6	88834A	1	Boot-Port
7	110776	1	Screw-Fil hd 8-32 x 3/8
8	100057	1	Lockwasher - #8
9	102500	2	Screw-Pan hd 10-24 X 1/2
10	100002	2	Washer-#10
11	92815	1	Shroud-Lower
12	104396	2	Screw-Pan hd 10-24 X 3/4
13	101194	2	Lockwasher #10
14	88835A	1	Shroud-Upper
15	87844	1	Insulator-Inlet
16	88740	1	Gasket-Insulator
17	110703	1	Nut-Hex 3/8-24
18	92886	1	Flywheel Asy
19	88804	2	Screw-Special
20	83241	2	Washer-Special
21	67546	2	Pawl-Starter
22	67545	2	Spring-Pawl
23	100106	1	Key-Woodruff
24	92846	1	Module Asy-Stator
25	92848	1	Wire Asy-Primary
26	92889	1	Stud-Fan Housing Mounting
27	100002	2	Washer #10
28	103947	1	Screw-Hx 10-24 x 1.0
29	93273	1	Tie Cable
30	92847	1	Transformer Asy
31	110973	1	Clip-Guide .375
32	100268	2	Grommet
33	92890	2	Spacer-Transformer
34	110749	2	Screw-Hx W 10-24 x 1.12
35	100002	2	Washer #10

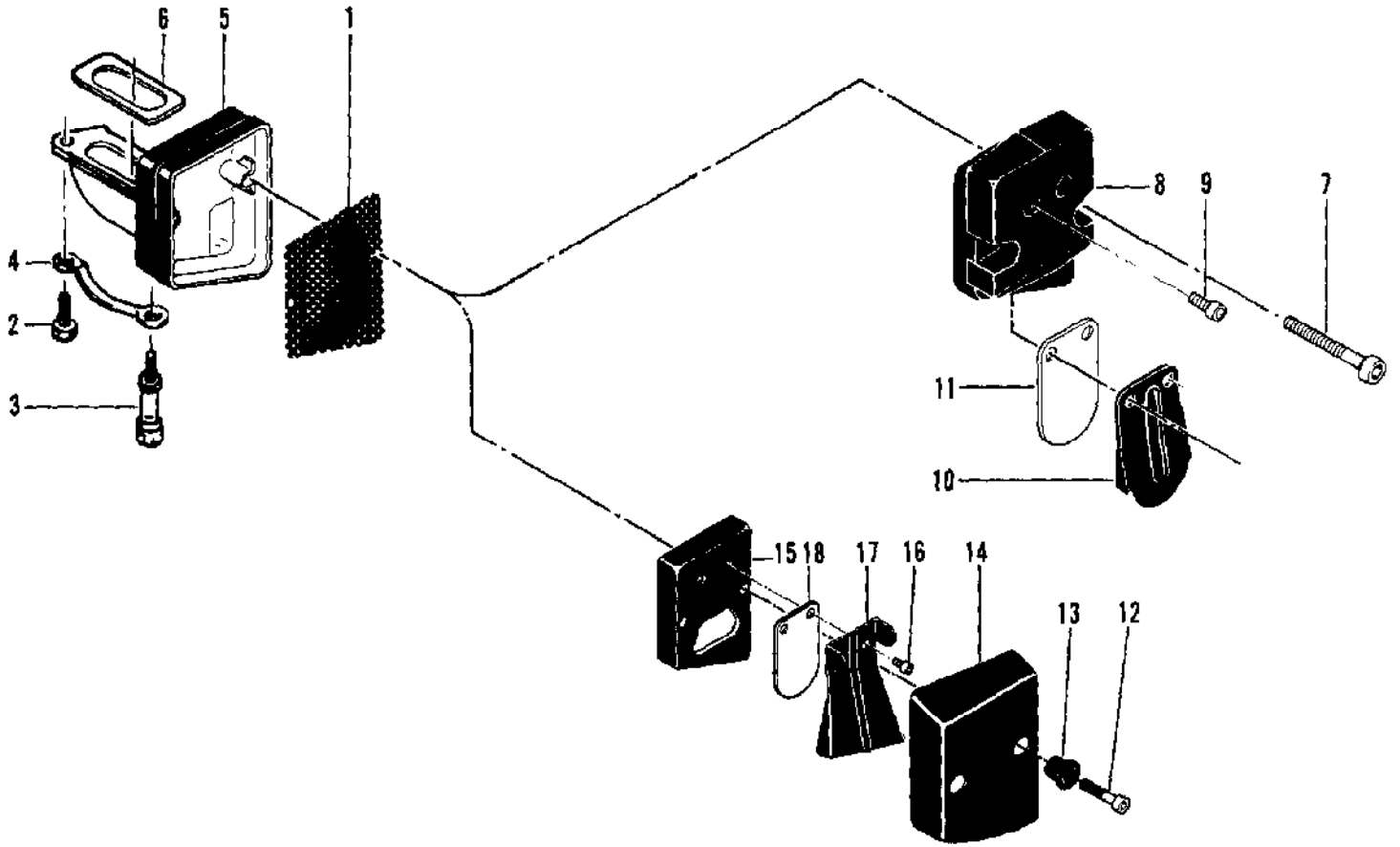


Ref #	Part Number	Qty	Description
1	110894	2	Screw - Hx hd 10-24 x 2-1/8
2	110964	2	Washer
3	83204	1	Bracket Assembly
4			Carburetor Asy See "Carburetor Assembly (SDC 38A)" and "Carburetor Assembly (HS 111A)" illustrations and parts lists.
5	86189	1	Gasket - Carburetor
6	69629	1	Boot - Carburetor controls
6	85901	1	Boot - Carburetor controls
7	64848	1	Hose Assembly - Fuel
8	63932	1	Filter - Fuel
9	100440	1	Washer
10	67944	1	Spring - Hose
11	86273	1	Screw - Idle speed
12	69594	1	Pivot - Oiler lever
13	69781	1	Spring - Oiler lever
14	69825	1	Lever Assembly - Oiler
15	105048	1	Washer - 3/16
16	69802	1	Rod - Oiler
17	105673	2	Pin - Roll 3/32 x 9/16
18	63044	1	Button - Oiler
19	87888A	1	Tank Assembly - Fuel
20	105722	1	Screw - Fil hd 1/4-20 x 1-3/8
21	89400	1	Insert - Handle grip
22	92155	1	Rod - Throttle
23	105654	1	Pin - Roll 1/8 x 7/8
24	92154	1	Spring - Trigger release
25	92153A	1	Release - Trigger
26	110378	1	Pin - Roll 3/16 x 15/16
27	92152	1	Spring - Trigger
28	92151A	1	Trigger - Throttle
29	69600	1	Nipple - Pulse line
30	69630	1	Button - Choke
31	69631	1	Rod - Choke
32	69597	2	Boot - Control rod
33	69043	1	Snubber - Rod
34	110706	1	Screw - Fil hd 8-18 x 1/2 (SEMS)
35	92888	1	Wire Asy - Stop switch
36	62451	1	Contact - Switch
37	62950A	1	Base - Switch
38	68846	1	Button - Switch
	87821		Carburetor Asy
	85916		Carburetor Asy

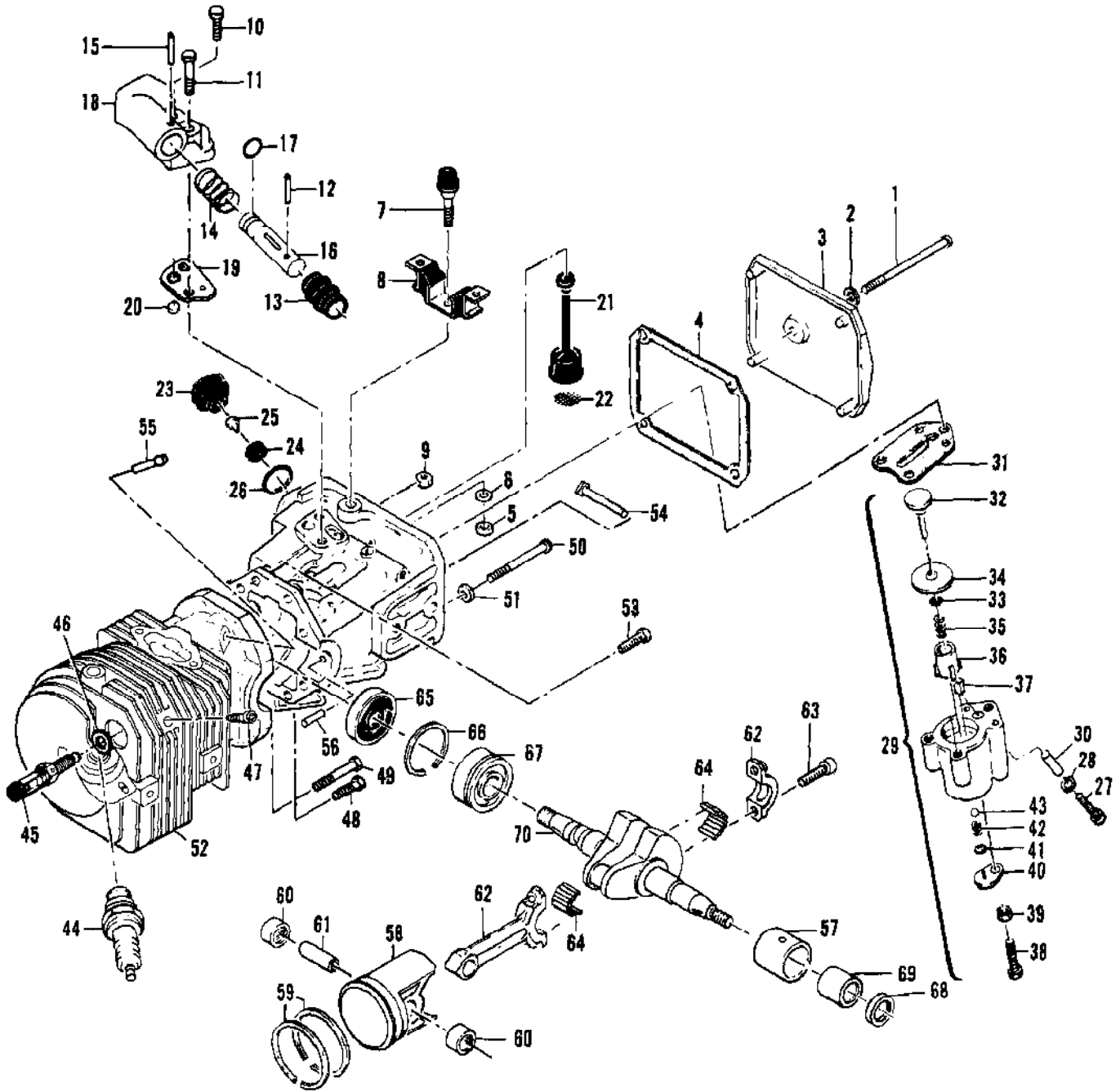


Ref #	Part Number	Qty	Description
1	110961	2	Nut - Hx 5/16-24
2			CHAIN BRAKE & Spike Asys See "Chain Brake & Spike Assembly" illustration and parts list.
3	64325	1	Plate - Bar protector
4			Bar & Chain
5	86113	1	Nut - Hx 3/8-24 (L.H.)
6	87675	1	Clutch Asy
7	89438	1	Rotor - Clutch
8	67233	2	Shoe - Clutch
9	83223	2	Spring - Clutch
10	64583	2	Retainer - Clutch spring
11	86942	1	Kit - Drum & Sprocket 7 T .375P
12	86344	1	Sprocket
13	86958	1	Washer - Sprocket
14	110971	1	Bearing - Sprocket
15	84978	1	Shield - Sawdust
16	102433	2	Screw - Hx hd 10-24 x 1-5/8
17	101194	2	Lockwasher - #10
18	84798	1	Clamp - Frame
19	102130	1	Screw - Hx hd 1/4-20 x 1-1/2
20	100153	1	Lockwasher - 1/4
21	63484	1	Clamp - Frame
22	91632A	1	Frame & Grip Asy Used on models 600439A, 600439D, 600439J, with serial number prefix 10-, 11.
23	91586	1	Frame Cr, Grip Asy Used on models 600439B, 600439E, with serial number prefix 11.
24	104950	2	Screw - Hx hd 10-24 x 5/8
25	83828	1	Wire Asy - Ground
26	83819	1	Clamp - Lower mount
27	110679	1	Screw - Hx hd 1/4-20 x 2
28	84661	1	Grommet
29	110845	1	Washer - 1/4
30	85898	1	Mount - Lower
31	105722	1	Screw - Fil hd 1/4-20 x 1-3/8
32	92816	1	Brace - Frame
33	89403	2	Bumper
34	85850A	1	Cover Asy - Air cleaner
35	110565	1	Ring - Retaining
36	68529	1	Knob - Cover
37	91689A	1	Nameplate
38	85387	1	Filter - Air
39	110741	3	Screw - Pan hd 10-24 x 1/2
40	87871	3	Screw - Special
41	102762	1	Screw - Hx hd 10-24 x 1/2
42	69890	1	Lockplate
43			Fan Housing & Starter Asy See "Fan Housing & Starter Assembly" illustration and parts list.
44	89322	1	Cap Asy - Fuel
45	69767	1	Gasket
46	110746	2	Screw - Hx hd 10-24 x 1/2
47	102861	2	Screw - Hx hd 1/4-20 x 5/8
48	100153	2	Lockwasher - 1/4
49	100005	2	Washer - 1/4

Ref #	Part Number	Qty	Description
50	110807	2	Screw - Pan hd 8-32 x 5/16
51			Fuel Tank Asy See "Fuel Tank Assembly" illustration and parts list.
52	87826	2	Clamp - Hose
53	69598	1	Line - Pulse
54	67944	1	Spring - Hose
55			Flywheel & Ignition System See "Flywheel & Ignition System" illustration and parts list.
56			Powerhead & Oiler Asys See "Powerhead & Oiler Assembly" illustration and parts list.
57			Muffler Asy See "Muffler Assembly" illustration and parts list.



Ref #	Part Number	Qty	Description
1	84580	1	Baffle-Muffler
2	110529	1	Screw-Hx hd 10-24 x 1/2
3	84578	1	Screw-Special
4	84579	1	Plate-Lock
5	84572	1	Body & Duct Asy
6	84577	1	Gasket-Muffler
7	110440	2	Screw-Skt hd 10-24 x 1-3/4
8	84581A	1	Kit-Cover & Valve Asy
9	110472	2	Screw-Skt hd 8-32 x 5/16
10	87193	1	Stop-Reed
11	85585	1	Valve-Reed
12	110440	2	Screw-Skt hd 10-24 x 1-3/4
13	92539	2	Bushing-Spacer
14	92538	1	Cover-Cooling
15	92551	1	Cover/Valve Asy
16	110472	2	Screw-Skt hd 8-32 x 5/16
17	92552	1	Stop-Reed
18	85585	1	Valve-Reed



Ref #	Part Number	Qty	Description
1	110291	1	Screw - Pan hd 10-24 x 2-5/8
2	110921	1	Washer - Sealing
3	86304	1	Cover - Oil tank
4	86306	1	Gasket - Cover
5	101143	1	Nut - Hx 1/4-20
6	102523	1	Washer - 1/4
7	69832	1	Bumper - Front
8	91582	1	Mount - Front
9	100955	1	Nut - Hx 8-32
10	110670	1	Screw - Fil hd 8-32 x 1/2
11	105245	1	Screw - Fil hd 8-32 x 1 (SEMS)
12	105673	1	Pin - Roll 3/32 x 9/16
13	69586	1	Boot - Plunger
14	69585	1	Spring - Plunger
15	101556	1	Pin - Roll 1/8 x 5/8
16	91219	1	Plunger - Pump
17	105614	1	"O" Ring
18	91218	1	Body - Oil pump
19	91669	1	Gasket - Oil pump
20	91668	1	Valve - Oiler
21	91672	1	Hose - Oil
22	51506	1	Screen - Hose
23	87270	1	Cap - Oil tank
24	87269	1	Retainer - Valve
25	86402	1	Valve
26	101148	1	"O" Ring
27	110865	1	Screw - Skt hd 10-24 x 7/8
28	100003	1	Washer - #10
29	89115A	1	Pump Asy - Pulse
30	91774	1	Sleeve
31	92818	1	Seal - Pulse pump
32	60260A	1	Piston Asy - Pump
33	105603	1	"O" Ring
34	86182	1	Ring - Piston
35	60259	1	Spring - Piston
36	62227	1	Sleeve - Adjustment
37	91259	1	Pad - Oil pump
38	110386	1	Screw - Hx hd 8-32 x 1
39	100251	1	Nut-Hx 8-32
40	62407	1	Cover-Outlet valve
41	106104	1	"O" Ring
42	92844	1	Spring-Outlet valve
43	102809	1	Ball-Outlet valve
44	63432	1	Spark Plug Used on models 600439A, 600439A, 600439A, with serial number prefix 10-, and 11-.
	93017	1	Spark Plug Used on models 600439E, with serial number prefix 11-.
45	87866	1	Valve-Dsp
46	85505	1	Washer-Valve
47	110681	1	Screw-Skt hd 10-24 x 1/4
48	110963	1	Screw-Hx hd 8-32 x 1.0 W
49	110644	1	Screw-Hx hd 8-32 x 1-1/2
50	62105	4	Screw Asy-Sealing

Ref #	Part Number	Qty	Description
51	62842	4	Washer-Sealing
52	93265	1	Kit-Cyl., C'case, Piston
53	110288	2	Screw-Hx hd 8-32 x 3/4
54	62065	2	Bolt-Bar mounting
55	69600	1	Nipple-Pulse line
56	110851	1	Pin-Dowel
57	87152	1	Insert-Bearing
58	92518	1	Piston Asy (Identified A)
	92519	1	Piston Asy (Identified B)
	92520	1	Piston Asy (Identified C)
59	87854	1	Ring Set-Piston
60	110590	2	Bearing-Needle
61	69020	1	Pin-Piston
62	85237	1	Connecting Rod Asy
63	61627A	2	Screw-Special
64	85246	1	Roller-(set of 22)
65	61618	1	Seal-Oil
66	63464	1	Ring-Snap
67	63429B	1	Bearing-Ball
68	110260	1	Seal-Oil
69	104357	1	Bearing-Needle
70	92885	1	Crankshaft
	87151		Needle Insert/Bearing Asy