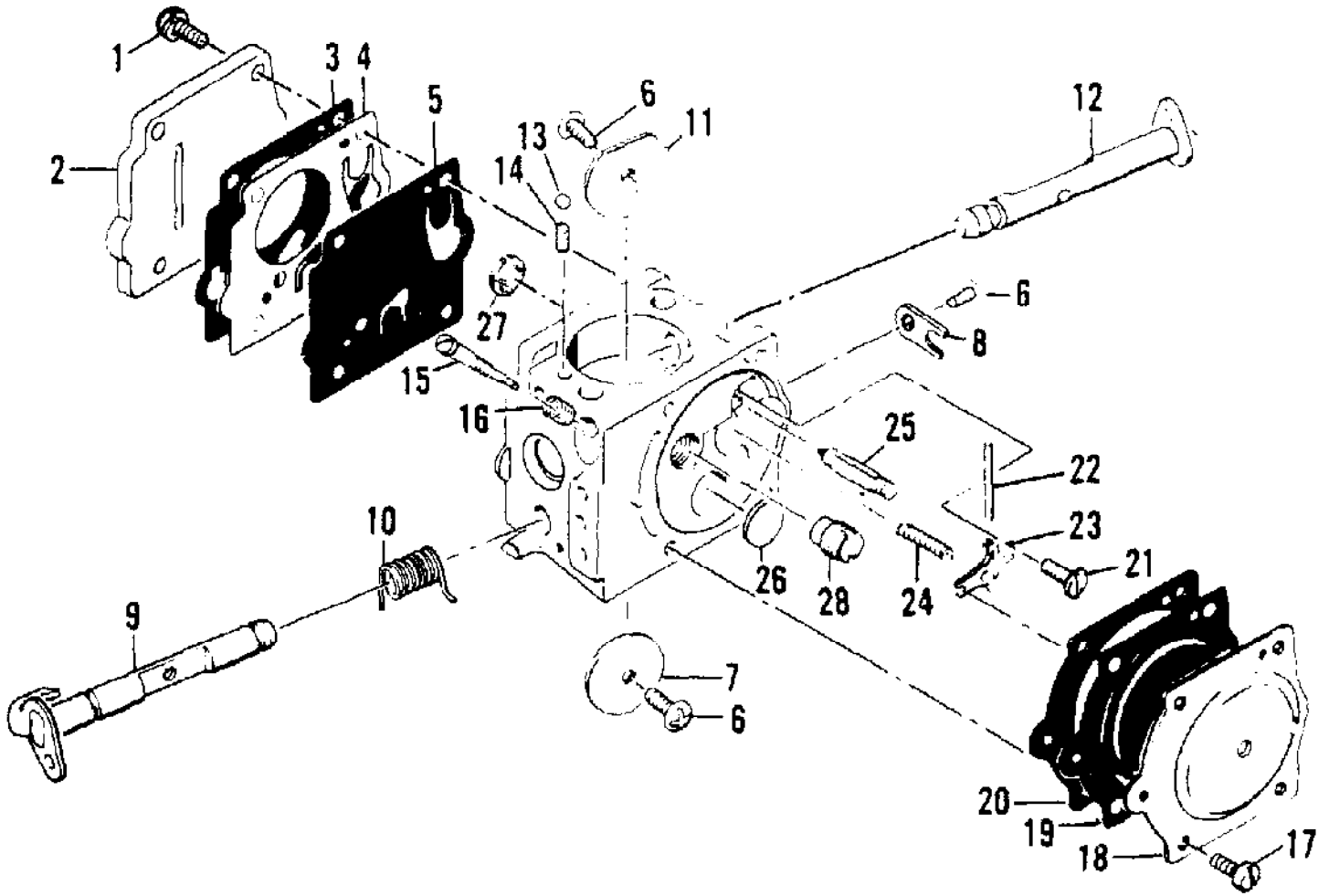
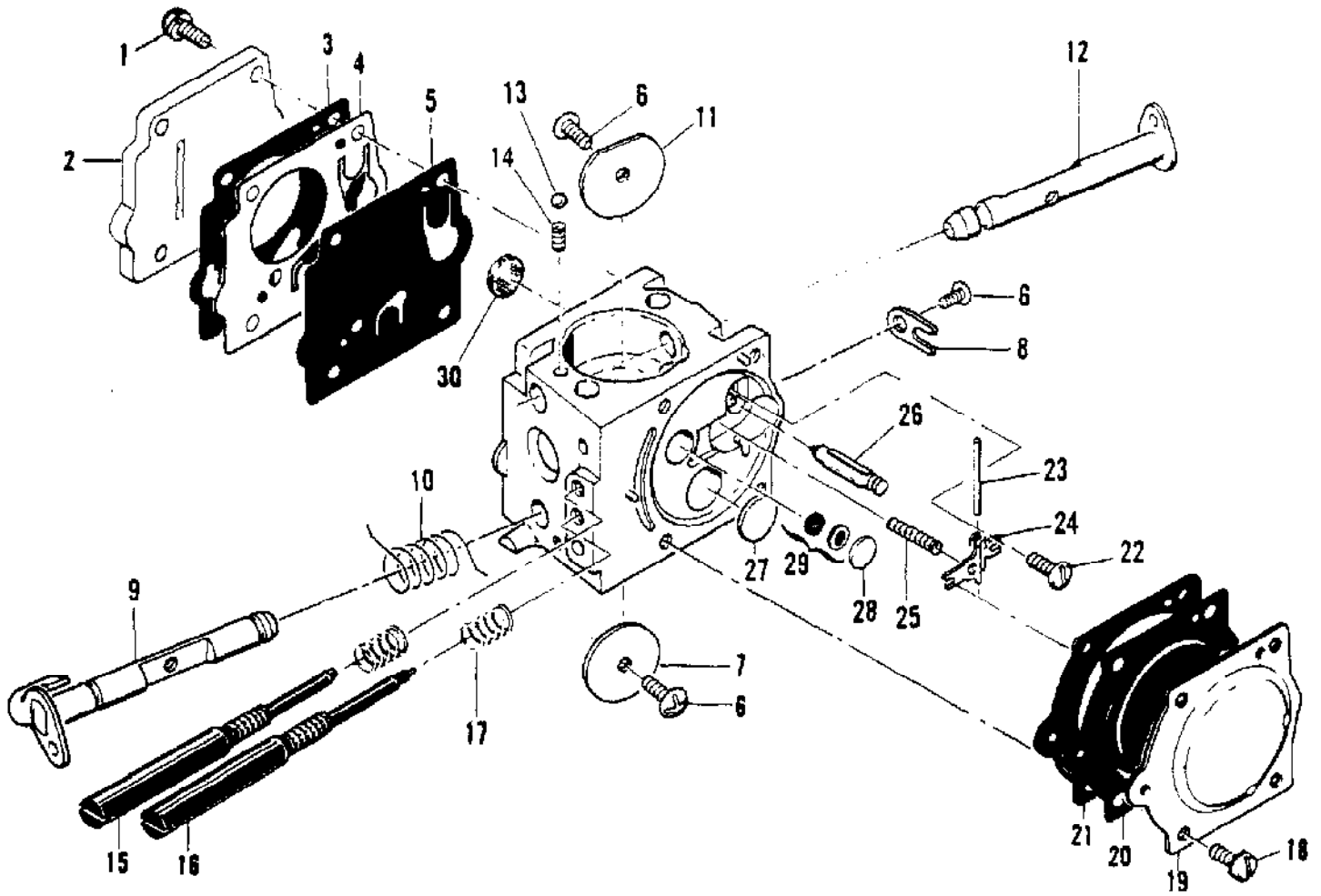


No  
Diagram  
Available  
  
Parts List  
Only

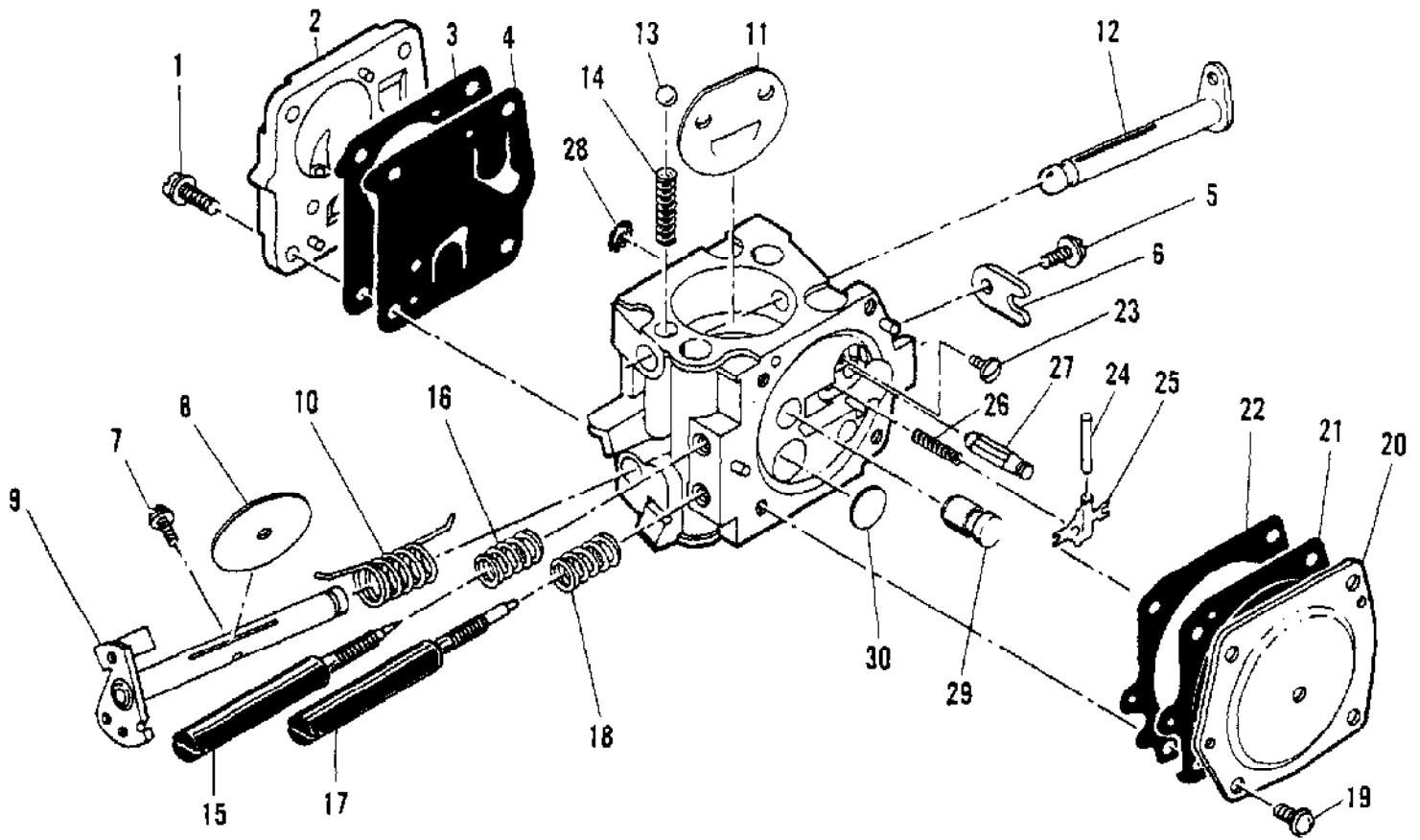
Ref #	Part Number	Qty	Description
	86218		Kit - Preheater
	86209		Kit - Duct, Valve, Guard
	84597		Baffle - Spark arrester
	86943		Kit - Sprocket & Drum 8T .375P
	86342		Kit - Sprocket & Drum 7T .404P
	86419		Guide - Timing
	92455		Rope - Starter (100 ft)
	85968		Guard - Hand
	87839		Adapter - Bar mounting
	89494		Wrench - Clutch retaining
	63432		Spark Plug (standard)
	63097		Spark Plug (hotter)
	65778		Spark Plug (cooler)
	63746		Wrench



Ref #	Part Number	Qty	Description
	89882	1	Carburetor Assembly
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	67486	1	Shaft Assembly - Throttle
10	85981	1	Spring - Throttle return
11	67490	1	Plate - Choke
12	67488	1	Shaft Assembly - Choke
13	100302	1	Ball - Choke friction
14	67504	1	Spring - Choke friction
15	90345	1	Needle - Idle mixture
16	67502	1	Spring - Idle
17	70798	4	Screw - Diaphragm cover
18	83761	1	Cover - Diaphragm
19	67499	1	Diaphragm - Metering
20	67496	1	Gasket - Diaphragm
21	67500	1	Screw - Lever pin
22	67508	1	Pin - Lever
23	67509	1	Lever - Inlet
24	67503	1	Spring - Lever
25	67491	1	Valve - Needle
26	71690	1	Plug - 3/8
27	67507	1	Screen - Fuel
28	90349	1	Jet - High speed (29)
	90350		Jet - High speed (28) Alt.
	90351		Jet - High speed (26) Alt.
	88619		Kit - Gasket
	88620		Kit - Repair

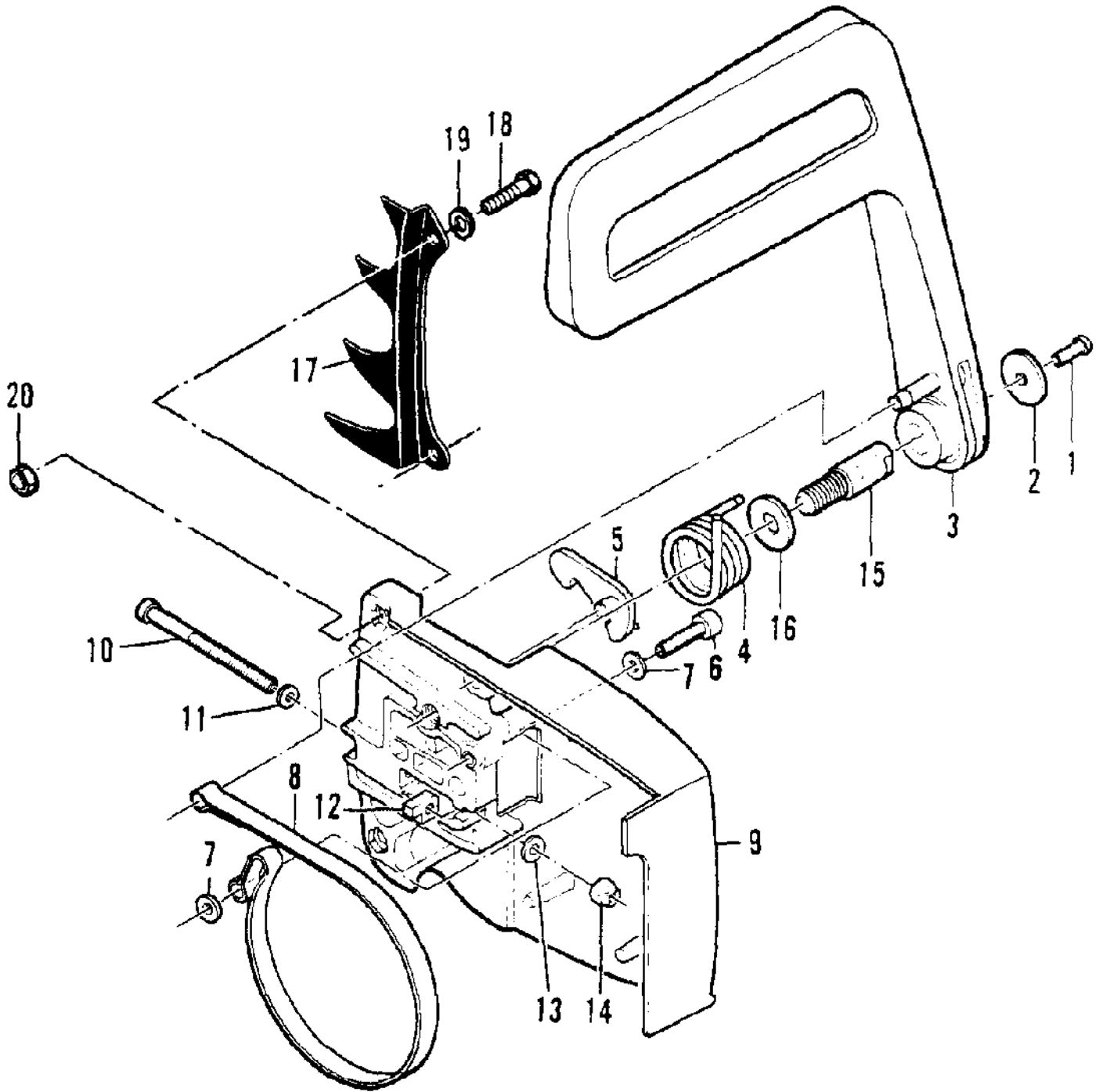


Ref #	Part Number	Qty	Description
	87821	1	Carburetor Asy
1	67501	4	Screw - Pump cover
2	88731	1	Kit - Pump cover
3	88617	1	Gasket - Cover
4	67498	1	Diaphragm - Check valve
5	83114	1	Diaphragm - Fuel pump
6	47690	3	Screw - Plate
7	83762	1	Plate - Throttle
8	67489	1	Clip - Shaft
9	85980	1	Shaft Asy - 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

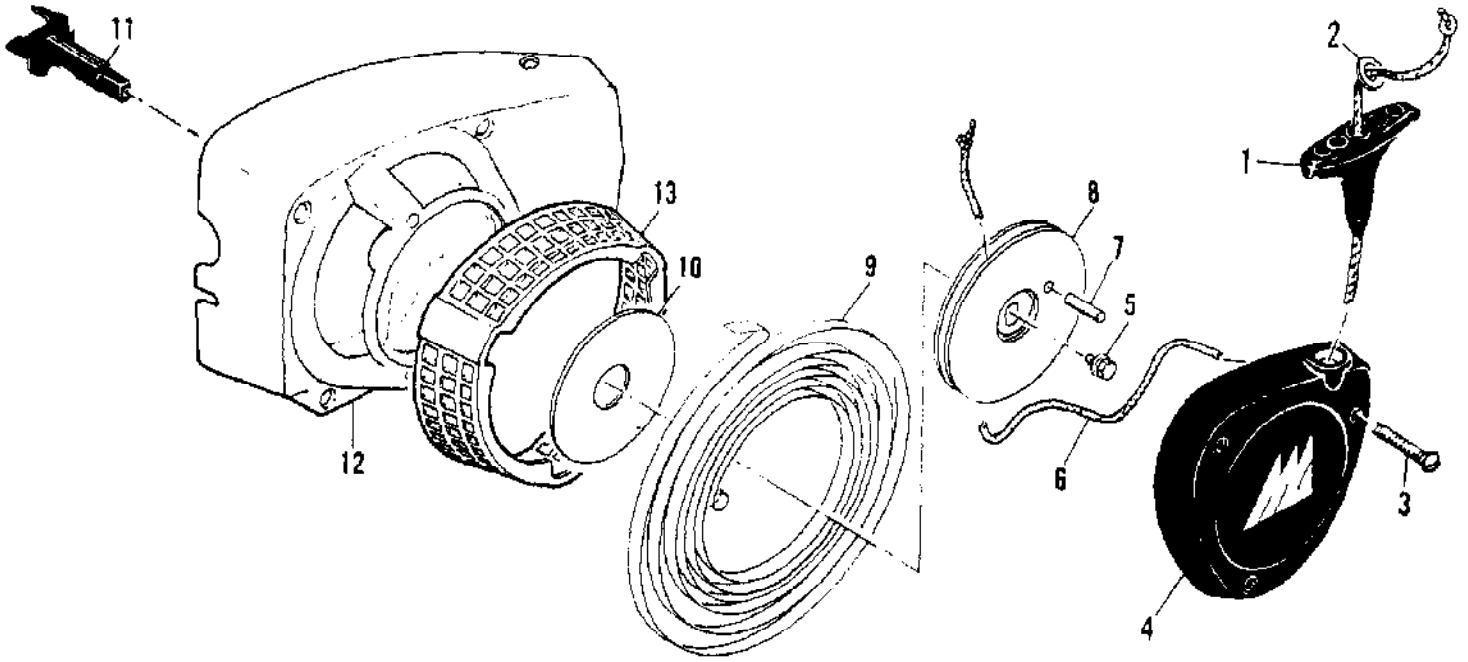


Ref #	Part Number	Qty	Description
	85916	1	Carburetor Asy
1	52933	4	Screw - Pump cover
2	66628	1	Cover - Pump
3	66629	1	Gasket - Cover
4	66630	1	Diaphragm - Fuel pump
5	48780	1	Screw - Clip retainer
6	66646	1	Clip - Throttle shaft
7	48780	1	Screw - Plate
8	51720	1	Plate - Throttle
9	83546	1	Shaft Asy - 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

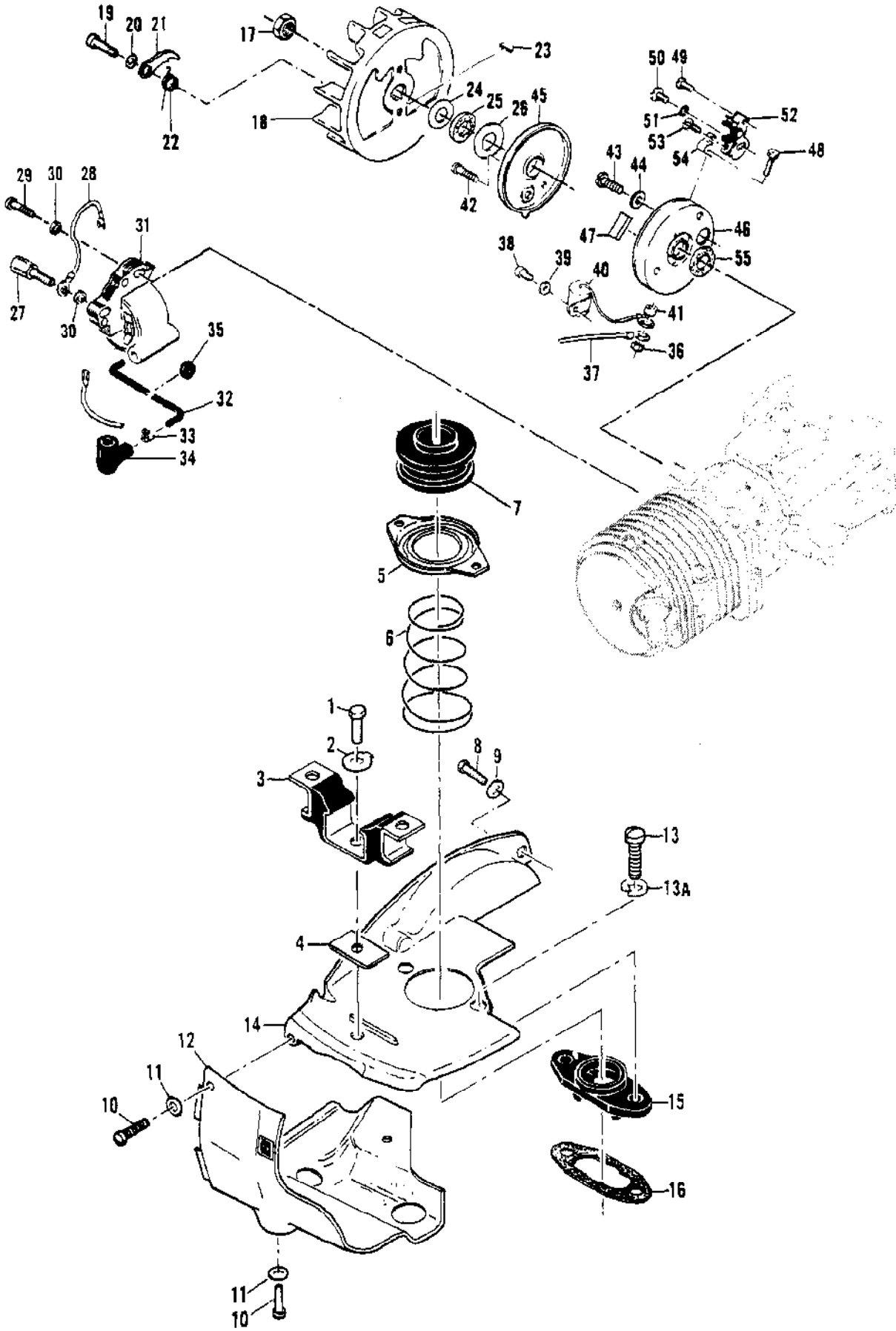




Ref #	Part Number	Qty	Description
	91278	1	CHAIN BRAKE Asy
1	102500	1	Screw - Pan hd 10-24 x 1/2
2	91273	1	Washer - Special
3	91251	1	Lever Asy
4	91239	1	Spring
5	91235A	1	Latch Asy
6	105738	1	Screw - Skt hd 1/4-20 x 7/8
7	91274	2	Washer - Special
8	91238	1	Band
9	91249	1	Housing Asy
10	110527	1	Screw - Fil hd 10-24 x 2-3/4
11	110264	1	Washer - #10
12	61705	1	Nut - Bar adjusting
13	100002	1	Washer - 410
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	24236	2	Washer - Special
20	101191	2	Nut - Hx 10-24

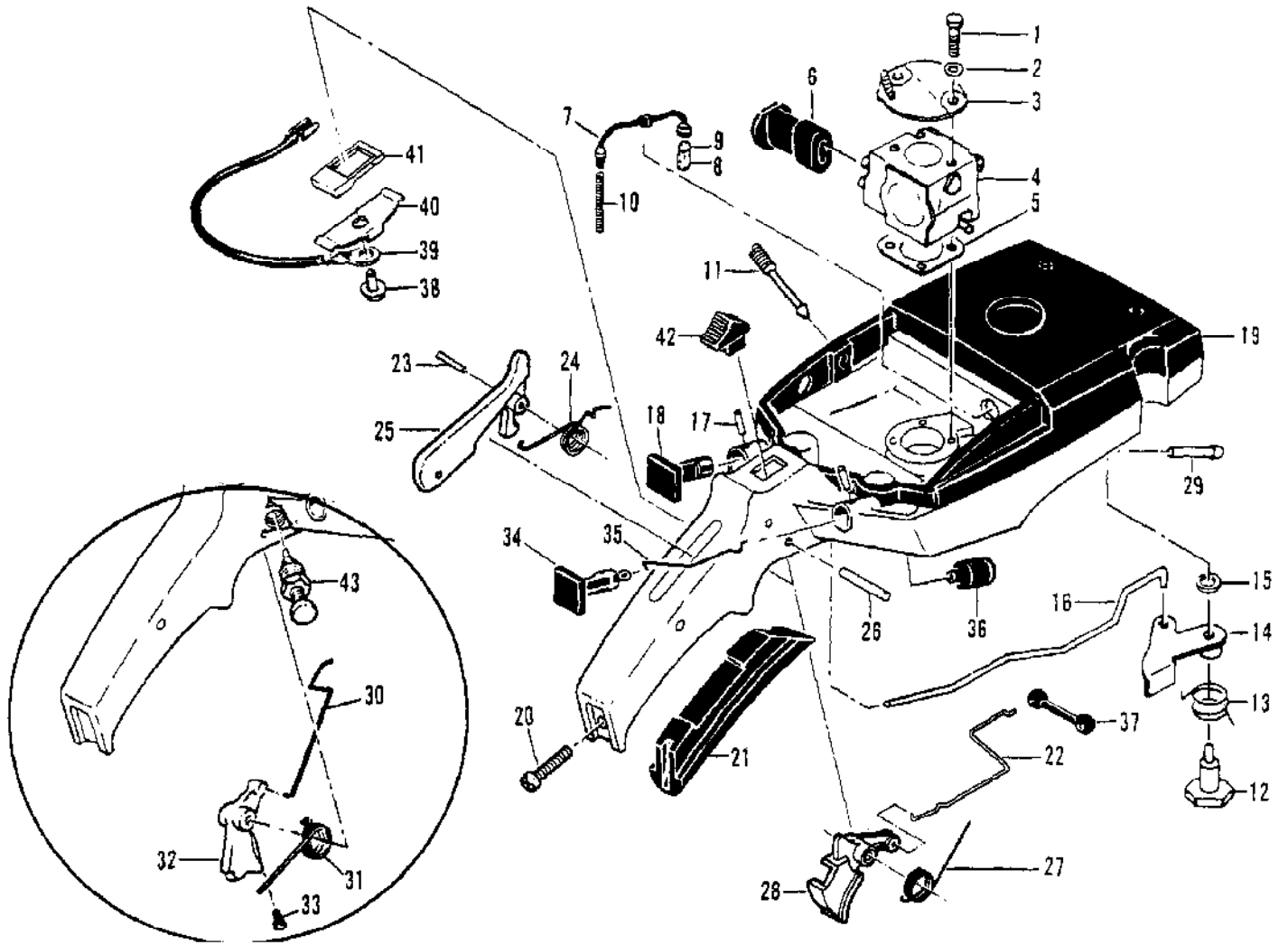


Ref #	Part Number	Qty	Description
1	91255	1	Kit - Starter handle
2	105490	1	Washer
	90921	1	Fan Housing & Starter Assy
3	110646	3	Screw - Oval hd 8-32 x 1-1/8
4	87672	1	Cover Assy - Starter
5	110341	1	Screw - Hex hd 10-24 x 1/2
6	87670	1	Rope - Starter
7	105841	1	Pin - Roll
8	87689	1	Drum - Starter
9	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



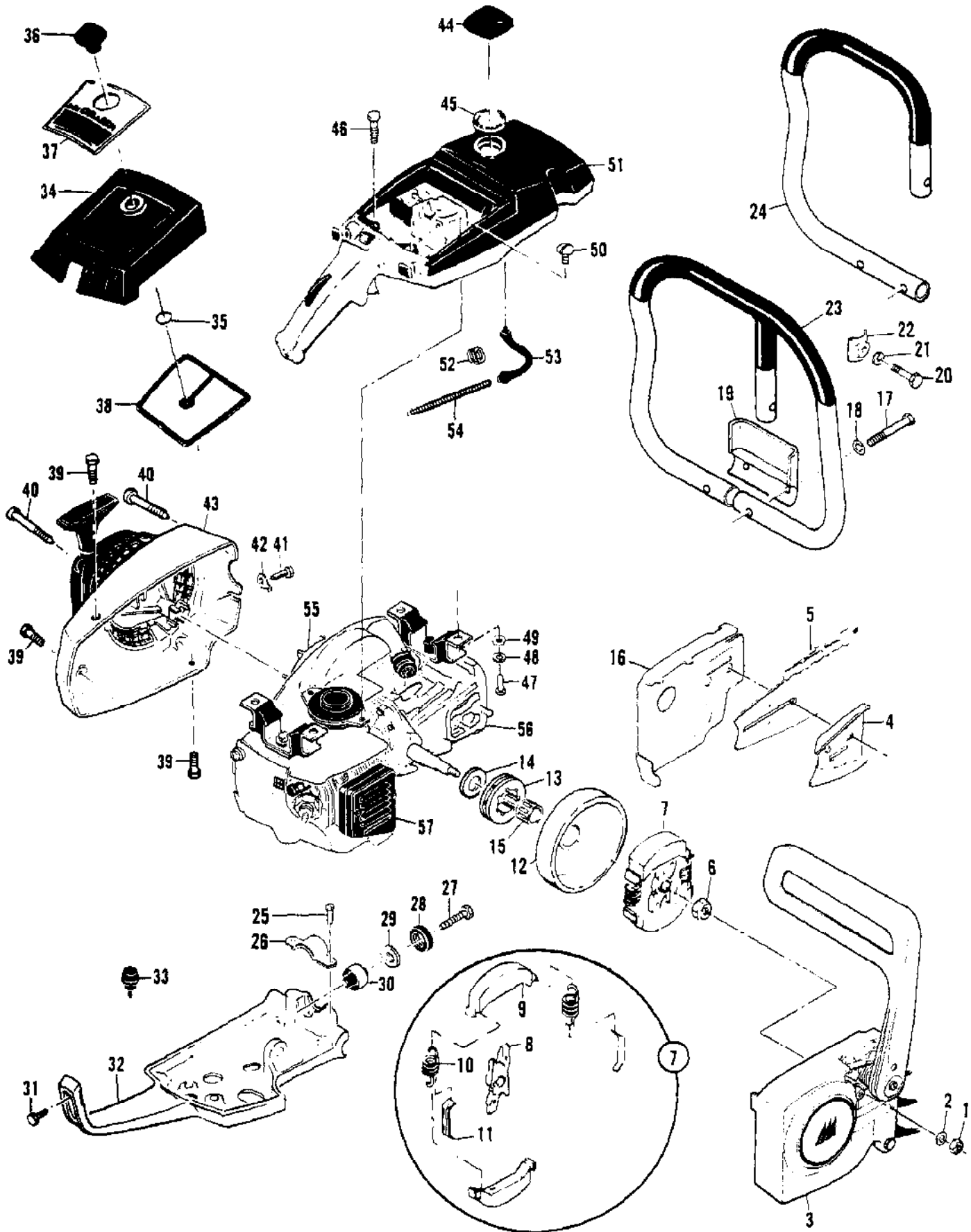
Ref #	Part Number	Qty	Description
1	83811	1	Screw - Special
2	69924	1	Lockplate
3	91578	1	Mount - Rear
4	84619	1	Insulator
5	86175	1	Clamp Asy - Boot
6	86190	1	Spring - Ground
7	88834A	1	Boot - Port
8	110776	1	Screw - Fil hd 8-32 x 3/8
9	100057	1	Lockwasher
10	102500	3	Screw - Pan hd 10-24 x 1/2
11	100002	3	Washer - #10
12	86314A	1	Shroud - Lower
13	104396	2	Screw - Pan hd 10-24 x 3/4
13A	101194	2	Lockwasher - #10
14	88835A	1	Shroud - Upper
15	87844	1	Insulator - Inlet
16	88740	1	Gasket - Insulator
17	110703	1	Nut - Hx 3/8-24
18	86068	1	Flywheel
19	88804	2	Pivot - Pawl
20	83241	2	Washer - Special
21	67546	2	Pawl - Starter
22	67545	2	Spring - Pawl
23	100106	1	Key - Woodruff
24	67057	1	Washer - Thrust
25	67056	1	Seal - Breaker box cover
26	67054	1	Washer - Thrust
27	83512	1	Stud - Special
28	85798	1	Wire Asy - Ground
29	103947	1	Screw-Hx hd 10-24 x 1 (SEMS)
30	100002	2	Washer - #10
31	87246A	1	Coil & Lamination Asy
32	50120	1	Wire Asy - Spark plug
33	55061	1	Connector
34	85758	1	Boot
35	100268	1	Grommet
36	100298	1	Nut - Hx 6-32
37	85796	1	Wire Asy - Primary
38	103672	1	Screw - Fil hd 8-32 x 1/2 (SEMS)
39	100080	1	Washer - #8
40	85358	1	Condenser
41	62365	1	Spacer - Breaker box
42	110584	1	Screw - Pan hd 8-32 x 3/4
	91852	1	Kit - Breaker box & cover
43	110489	1	Screw - Pan hd 6-32 x 7/16
44	91838	1	Washer - Special
45		1	Cover - Breaker box
46		1	Box - Breaker
47	54184	1	Wiper - Cam
48	110346	1	Screw - Hx hd 6-32 x 3/4
49	110811	1	Screw - Pan hd 8-32 x 3/8
50	110969	1	Screw - Hx hd 8-32 x 1/2
51	105976	1	Washer - #8
52	88808	1	Breaker Asy
53	110706	1	Screw - Pan hd 6-32 x 7/16 s/t

Ref #	Part Number	Qty	Description
54	83126	1	Strap - Conduction
55	67051	1	Seal - Breaker box



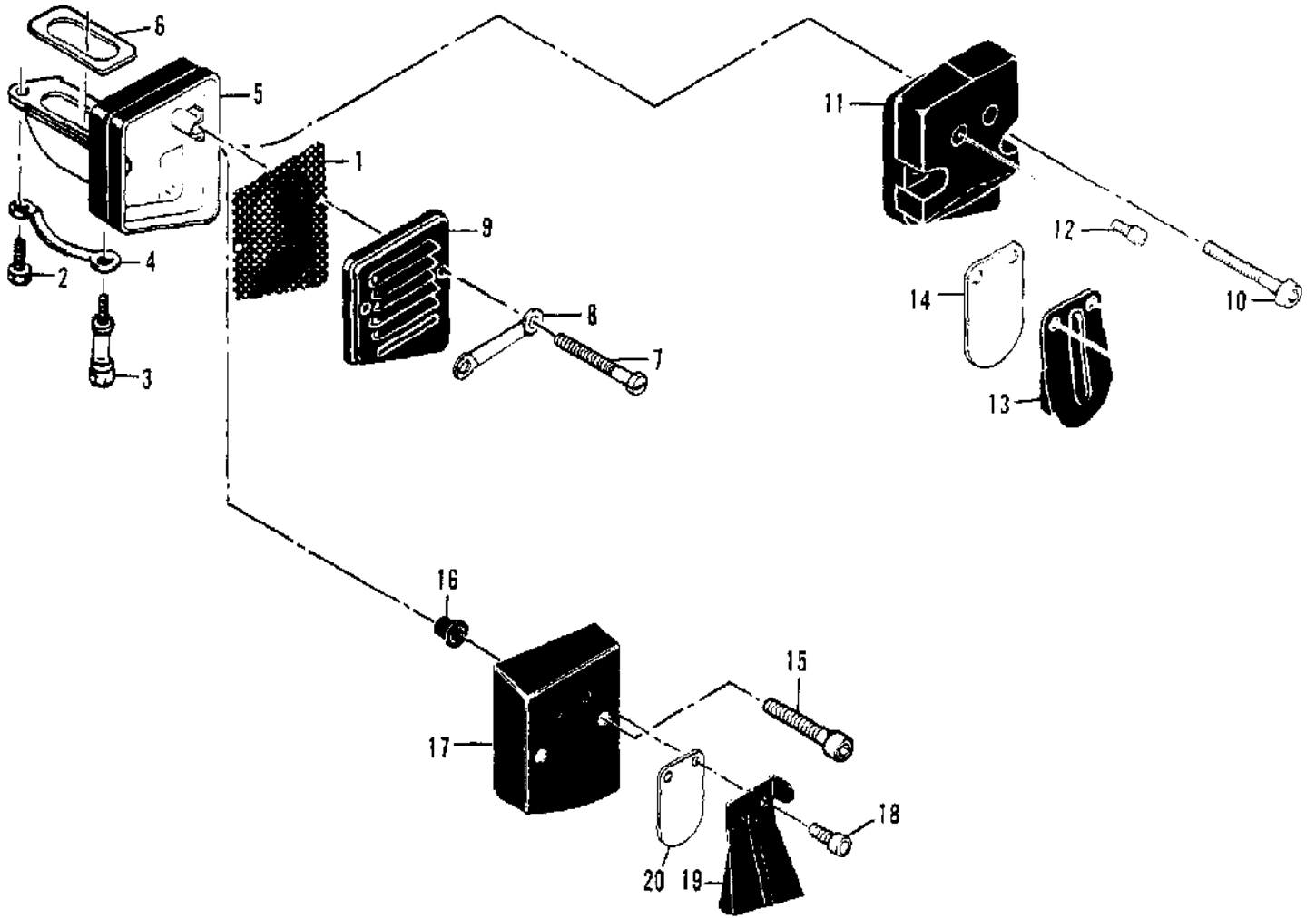


Ref #	Part Number	Qty	Description
1	110894	2	Screw - Hx hd 10-24 x 2-1/8
2	110964	2	Washer
3	83204	1	Bracket Assembly
4			Carburetor Asy See "Carburetor Assembly (Part 1)" illustration & parts list; See "Carburetor Asy (Part 2)" illustration & parts list; See "Carburetor Assembly (Part 3)" illustration & parts list.
5	86189	1	Gasket - Carburetor
6	69629	1	Boot - Carburetor controls
	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	89880A	1	Tank Assembly - Fuel
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	92153	1	Release - Trigger
26	110378	1	Pin - Roll 3/16 x 15/16
27	92152	1	Spring - Trigger
28	92151	1	Trigger - Throttle
29	69600	1	Nipple - Pulse line
30	69632	1	Rod - Throttle
31	87178	1	Spring - Trigger
32	88796	1	Trigger - Throttle
33	110668	1	Screw - Fil hd 8-36 x 5/8
34	69630	1	Button - Choke
35	69631	1	Rod - Choke
36	69597	2	Boot - Control rod
37	69043	1	Snubber - Rod
38	110706	1	Screw - Fil hd 8-18 x 1/2 (SEMS)
39	83661	1	Wire Asy - Stop switch
40	62451	1	Contact - Switch
41	62950A	1	Base - Switch
42	68846	1	Button - Switch
43	85451	1	Latch Asy - Throttle

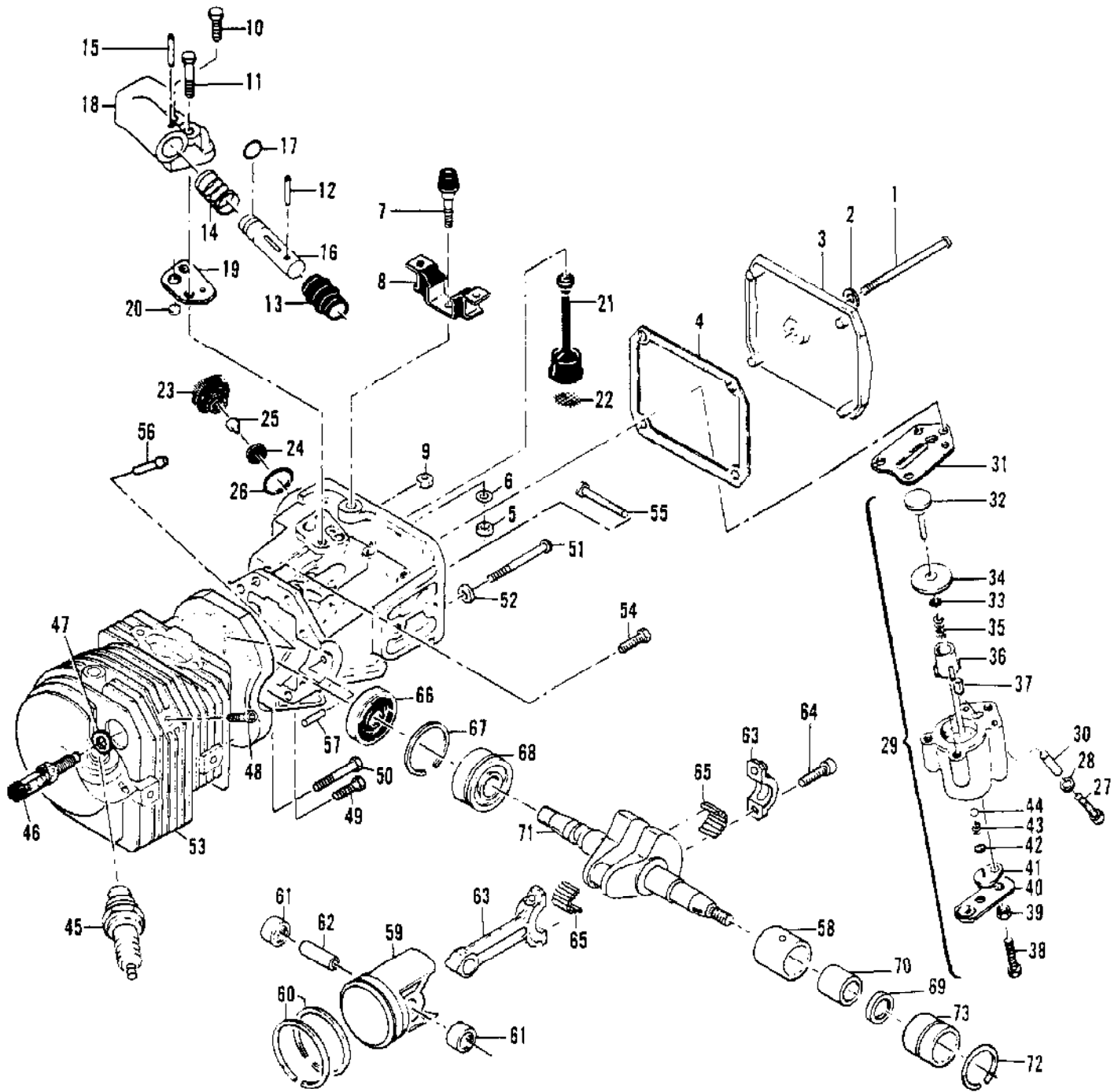


Ref #	Part Number	Qty	Description
1	110961	2	Nut - Hx 5/16-24
2	100440	2	Washer - 5/16
3			CHAIN BRAKE & Spike Asys See "Chain Break & Spike Asy" illustration & parts list
4	64325	1	Plate - Bar protector
5			Bar & Chain
6	86113	1	Nut - Hx 3/8-24 (L.H.)
7	87675	1	Clutch Asy
8	89438	1	Rotor - Clutch
9	67233	2	Shoe - Clutch
10	83223	2	Spring - Clutch
11	64583	2	Retainer - Clutch spring
12	86942	1	Kit - Drum & Sprocket 7 T .375P
13	86344	1	Sprocket
14	86958	1	Washer - Sprocket
15	110330	1	Bearing - Sprocket
16	84978	1	Shield - Sawdust
17	102433	2	Screw - Hx hd 10-24 x 1-5/8
18	101194	2	Lockwasher - #10
19	84798	1	Clamp - Frame
20	102130	1	Screw - Hx hd 1/4-20 x 1-1/2
21	100153	1	Lockwasher - 1/4
22	63484	1	Clamp - Frame
23	91632A	1	Frame & Grip Asy
24	91586	1	Frame & Grip Asy
25	104950	2	Screw - Hx hd 10-24 x 5/8
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	90986	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	91515	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 Asy" 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
50	110807	2	Screw - Pan hd 8-32 x 5/16
51			Fuel Tank Asy See "Fuel Tank Asy" illustration and parts list

Ref #	Part Number	Qty	Description
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 Asys" 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	103353	2	Screw - Hx hd 10-24 x 1-1/2
8	86050	1	Plate - Lock
9	84603	1	Cover - Muffler
10	110440	2	Screw - Skt hd 10-24 x 1-3/4
11	84581A	1	Kit - Cover & .Valve Asy
12	110472	2	Screw - Skt hd 8-32 x 5/16
13	87193	1	Stop - Reed
14	85585	1	Valve - Reed
15	110440	2	Screw - Skt hd 10-24 x 1-3/4
16	92539	2	Bushing - Spacer
17	92538	1	Cover - Cooling
18	110472	2	Screw - Skt hd 8-32 x 5/16
19	92552	1	Stop - Reed
20	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	89114	1	Clamp - Pump
41	62407	1	Cover - Outlet valve
42	106104	1	"O" Ring
43	92844	1	Spring - Outlet valve
44	102809	1	Ball - Outlet valve
45	63432	1	Spark Plug For models 600438B, D, E)
	63097	1	Spark Plug For models 600438A
46	87866	1	Valve - DSP
47	85505	1	Washer - Valve
48	110681	1	Screw - Skt hd 10-24 x 1/4
49	110288	1	Screw - Hx hd 8-32 x 3/4
50	110644	1	Screw - Hx hd 8-32 x 1-1/2
51	62105	4	Screw Asy - Sealing
52	62842	4	Washer - Sealing
53	92450A	1	Kit - Cyl., C'case, Piston
54	110288	2	Screw - Hx hd 8-32 x 3/4



Ref #	Part Number	Qty	Description
55	62065	2	Bolt - Bar mounting
56	69600	1	Nipple - Pulse line
57	110851	1	Pin - Dowel
58	87152	1	Insert - Bearing
59	92518	1	Piston Asy (Identified A)
	92519	1	Piston Asy (Identified B)
	92520	1	Piston Asy (Identified C)
60	87854	1	Ring Set - Piston
61	110590	2	Bearing - Needle
62	69020	1	Pin - Piston
63	85237	1	Connecting Rod Asy
64	61627A	2	Screw - Special
65	85246	1	Roller - (set of 22)
66	61618	1	Seal - Oil
67	63464	1	Ring - Snap
68	63429B	1	Bearing - Ball
69	110260	1	Seal - Oil
70	104357	1	Bearing - Needle
71	86193	1	Crankshaft
72	63699	1	Ring - Bearing insert
73	63701	1	Insert - Bearing