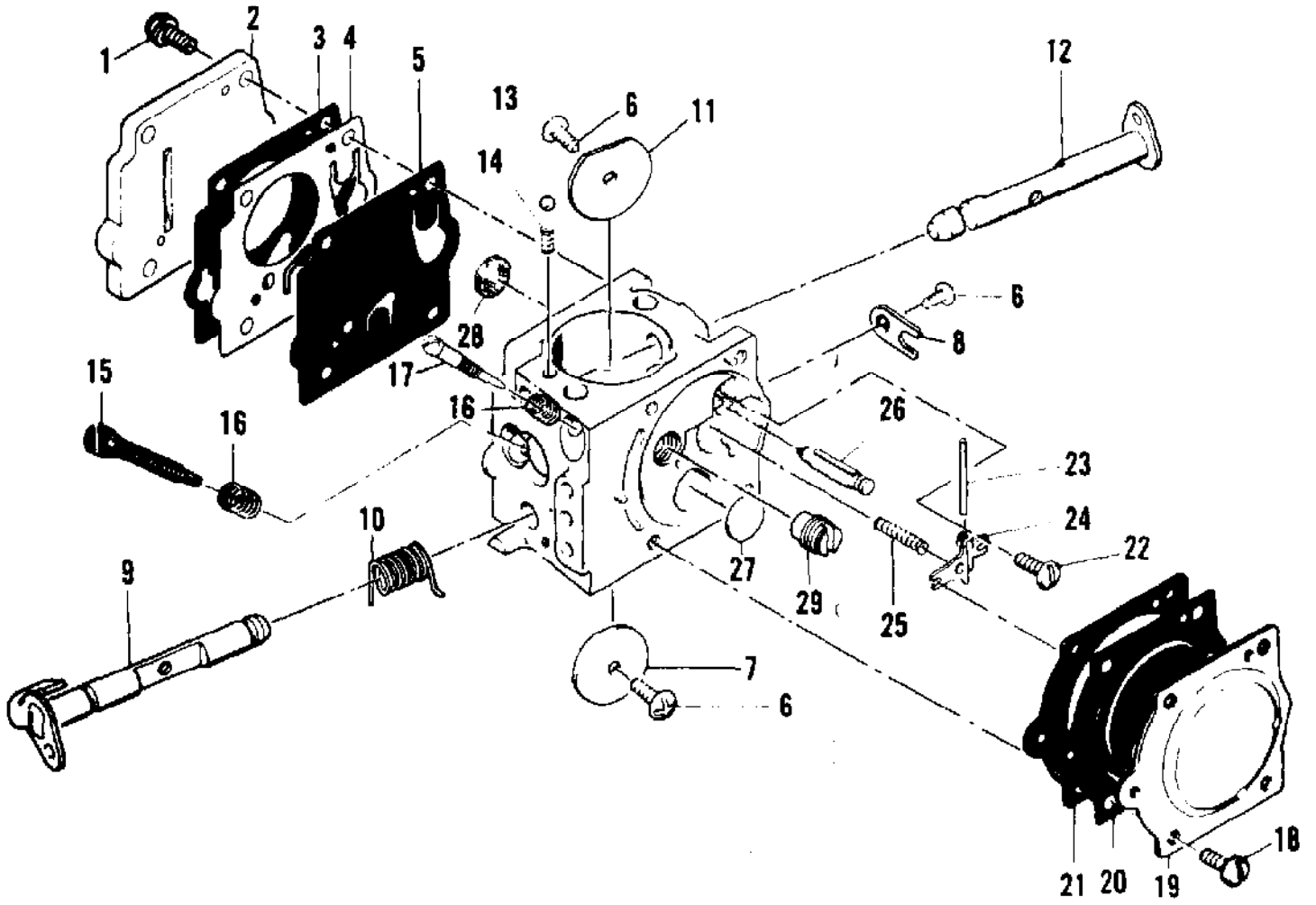
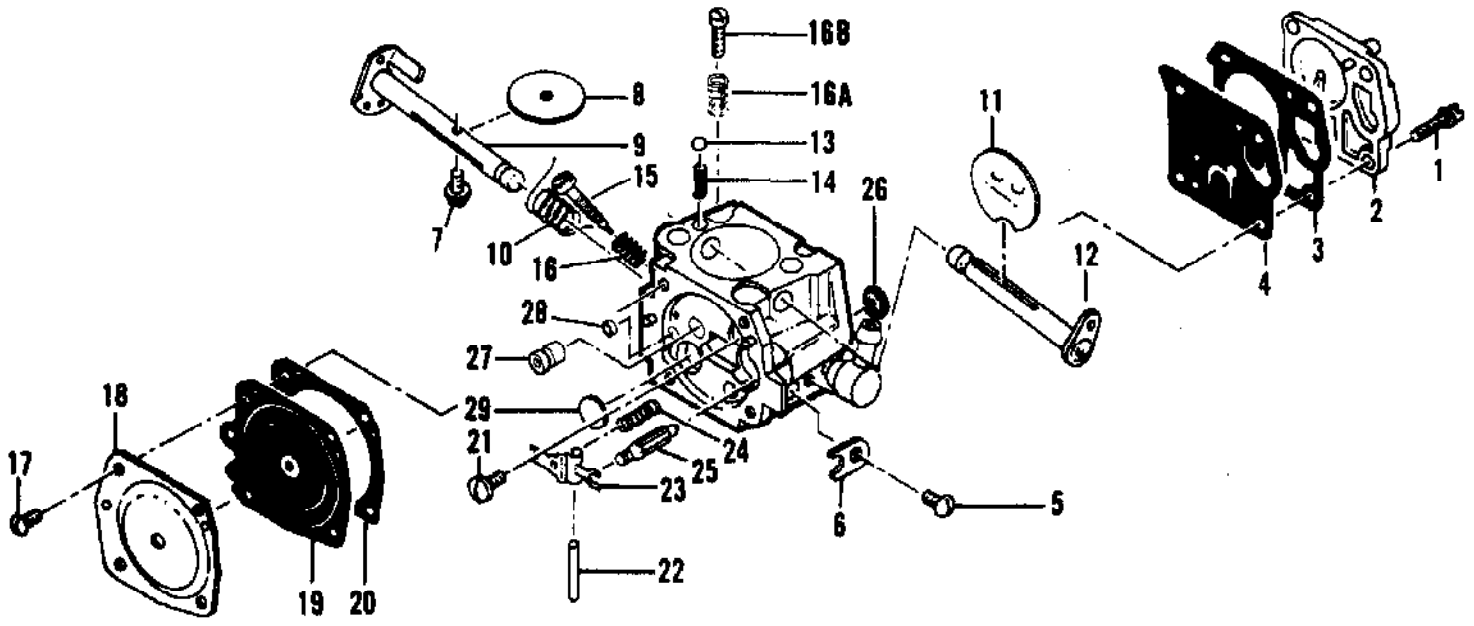


No  
Diagram  
Available  
  
Parts List  
Only

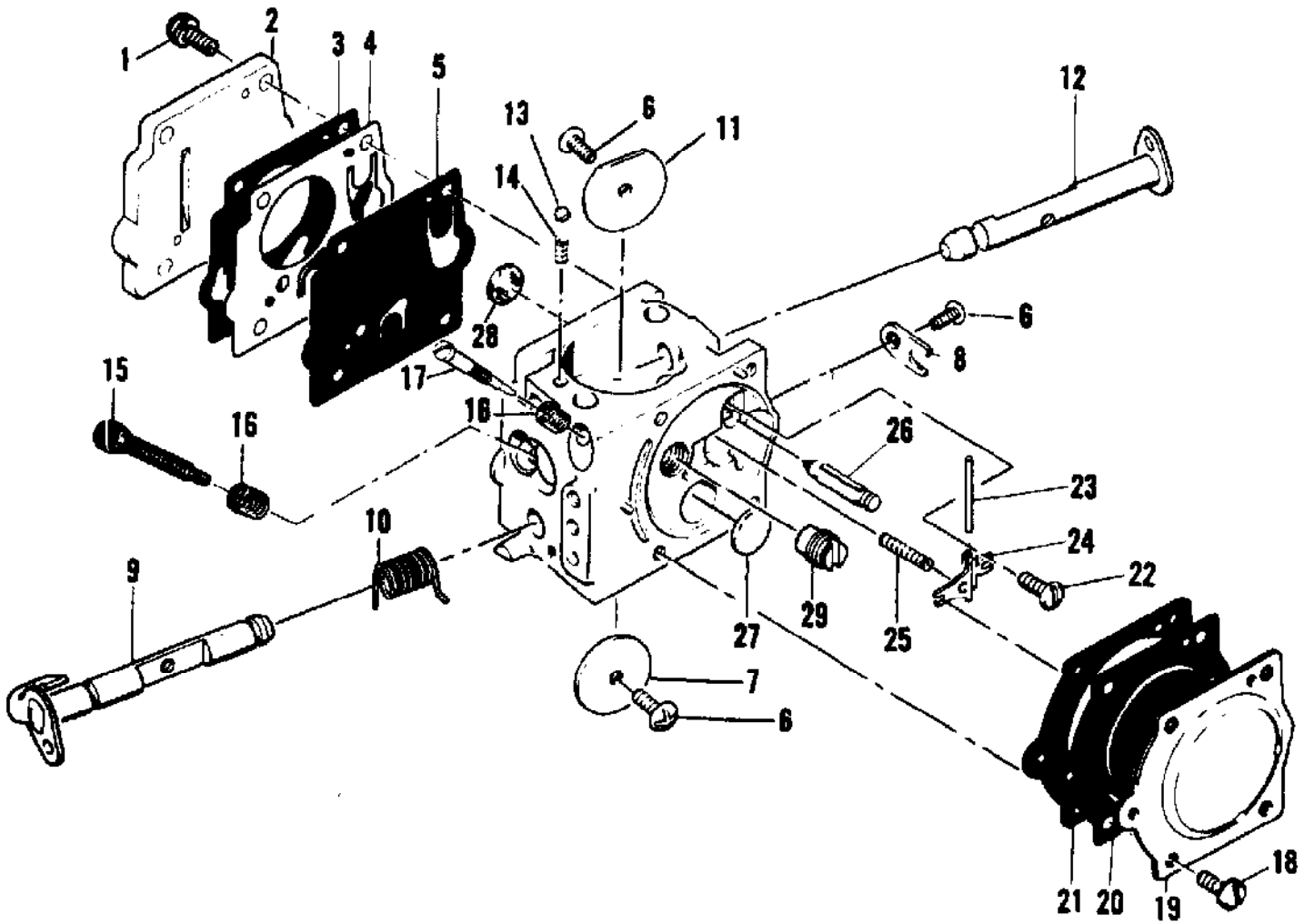
Ref #	Part Number	Qty	Description
	84922		Kit - Spark arrester baffle
	86355		Kit - Preheater
	85488		Guard - Crankshaft seal
	63746		Wrench



Ref #	Part Number	Qty	Description
	89869	1	Carburetor Assy
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 Assy - Throttle
10	85981	1	Spring - Throttle return
11	67490	1	Plate - Choke
12	67488	1	Shaft Assy - Choke
13	100302	1	Ball - Choke friction
14	67504	1	Spring - Choke friction
15	68106	1	Screw - Idle speed
16	67502	2	Spring - Idle
17	90345	1	Needle - Idle mixture
18	70798	4	Screw - Diaphragm cover
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	67507	1	Screen - Fuel
29	90348	1	Jet - H/S (31)
	90349	1	Jet - H/S (28)
	90350		Jet - H/S (26) Alt.
	90351		Jet - H/S (29) Alt.
	88619		Kit - Gasket
	88620		Kit - Repair

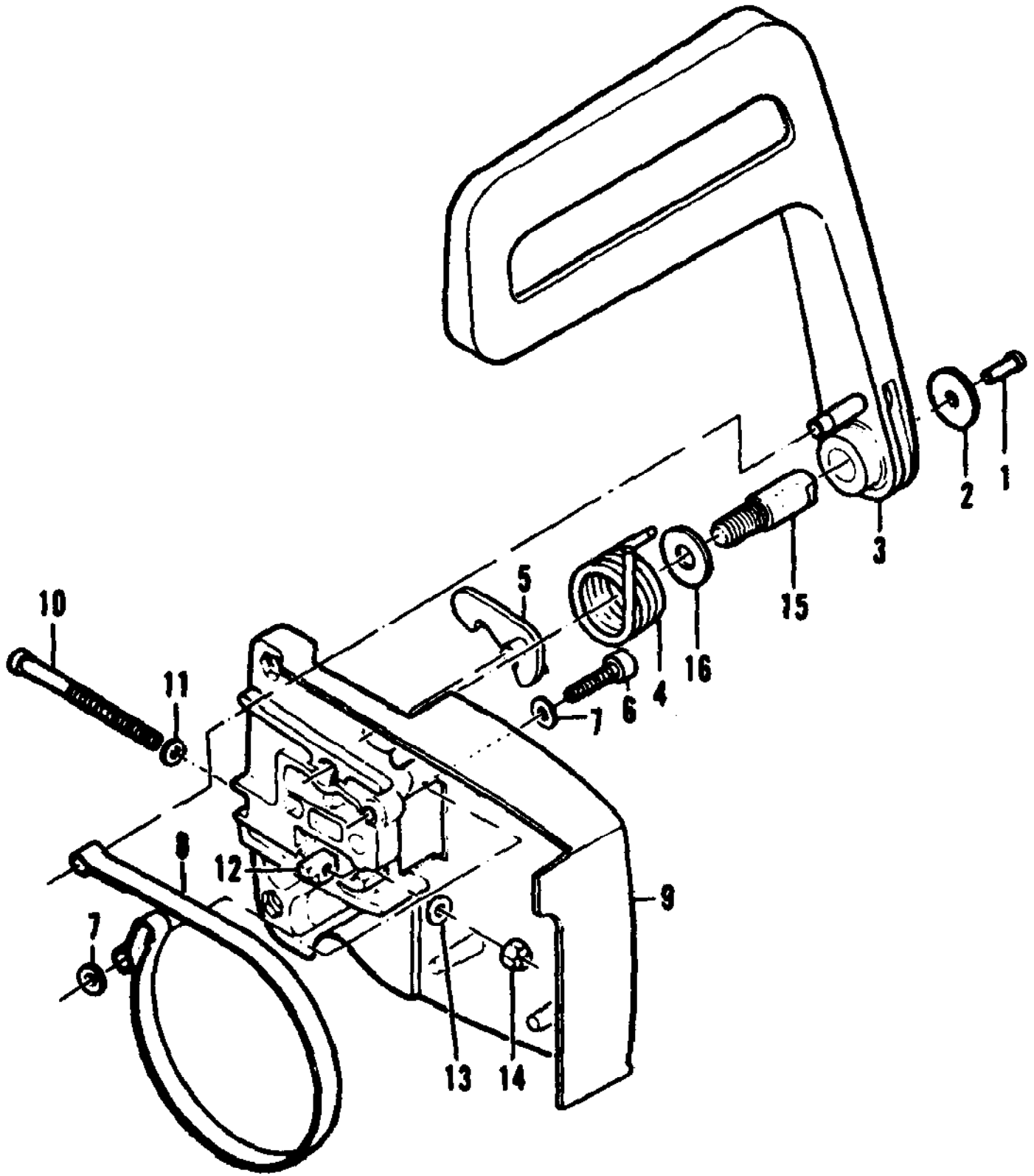


Ref #	Part Number	Qty	Description
	91121	1	Carburetor Assy
1	52933	4	Screw - Pump cover
2	66628	1	Cover - pump
3	66629	1	Gasket - Pump cover
4	66630	1	Diaphragm - Fuel pump
5	48780	1	Screw - Throttle shaft clip
6	66646	1	Clip - Throttle shaft
7	48780	1	Screw - Throttle plate
8	51720	1	Plate - Throttle
9	87922	1	Shaft Assy - Throttle
10	67136	1	Spring - Throttle shaft
11	65856	1	Plate - Choke
12	83725	1	Shaft Assy - Choke
13	100071	1	Ball - Choke friction
14	48759	1	Spring - Choke friction
15	88768	1	Needle - Idle mixture
16	66626	1	Spring - Idle
16A	66626	1	Spring - Idle
16B	66625	1	Screw - Idle speed adjustment
17	51721	4	Screw - Diaphragm cover
18	83724	1	Cover - Diaphragm
19	66632	1	Diaphragm - Metering
20	66633	1	Gasket - Diaphragm
21	66644	1	Screw - Inlet lever pin
22	66636	1	Pin - Inlet lever
23	66638	1	Lever - Inlet
24	66404	1	Spring - Inlet lever
25	66637	1	Needle - Inlet
26	66623	1	Screen - Fuel inlet
27	88771	1	Jet - H/S fuel (029)
	88772		Jet - H/S fuel (028) Alt.
	88781		Jet - H/S fuel (027) Alt.
28	52928	1	Plug - Cup
29	66622	1	Plug - Welch
	88774		Gasket Set
	88775		Repair Kit
	88776		Gasket & Diaphragm Set

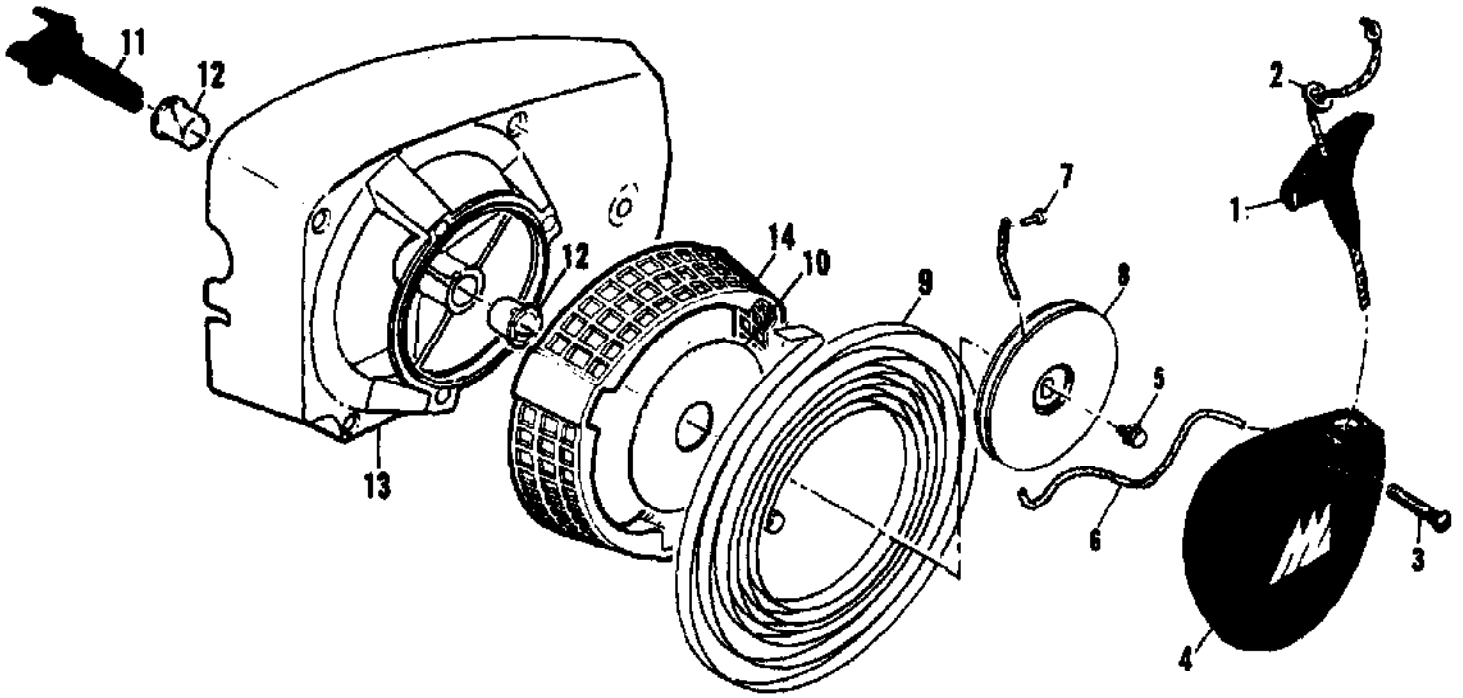


Ref #	Part Number	Qty	Description
	91275	1	Carburetor Assy
1	67501	4	Screw - Pump cover
2	88731	1	Kit - Pump cover
3	88617	1	Gasket - Cover
4	67498	1	Diaphragm - Check valve
5	83114	1	Diaphragm - Fuel pump
6	47690	3	Screw - Plate
7	83762	1	Plate - Throttle
8	67489	1	Clip - Shaft
9	67486	1	Shaft Assy - Throttle
10	85981	1	Spring - Throttle return
11	67490	1	Plate - Choke
12	67488	1	Shaft Assy - Choke
13	100302	1	Ball - Choke friction
14	67504	1	Spring - Choke friction
15	68106	1	Screw - Idle speed
16	67502	2	Spring - Idle
17	90345	1	Needle - Idle mixture
18	70798	4	Screw - Diaphragm cover
19	83761	1	Cover - Diaphragm
20	67499	1	Diaphragm - Metering
21	67496	1	Gasket - Diaphragm
22	67500	1	Screw - Lever
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	67507	1	Screen - Fuel
29	90350	1	Jet - H/S fuel (28)
	90351		Jet - H/S fuel (26) Alt
	90349		Jet - H/S fuel (29) Alt
	88619		Kit - Gasket
	88620		Kit - Repair

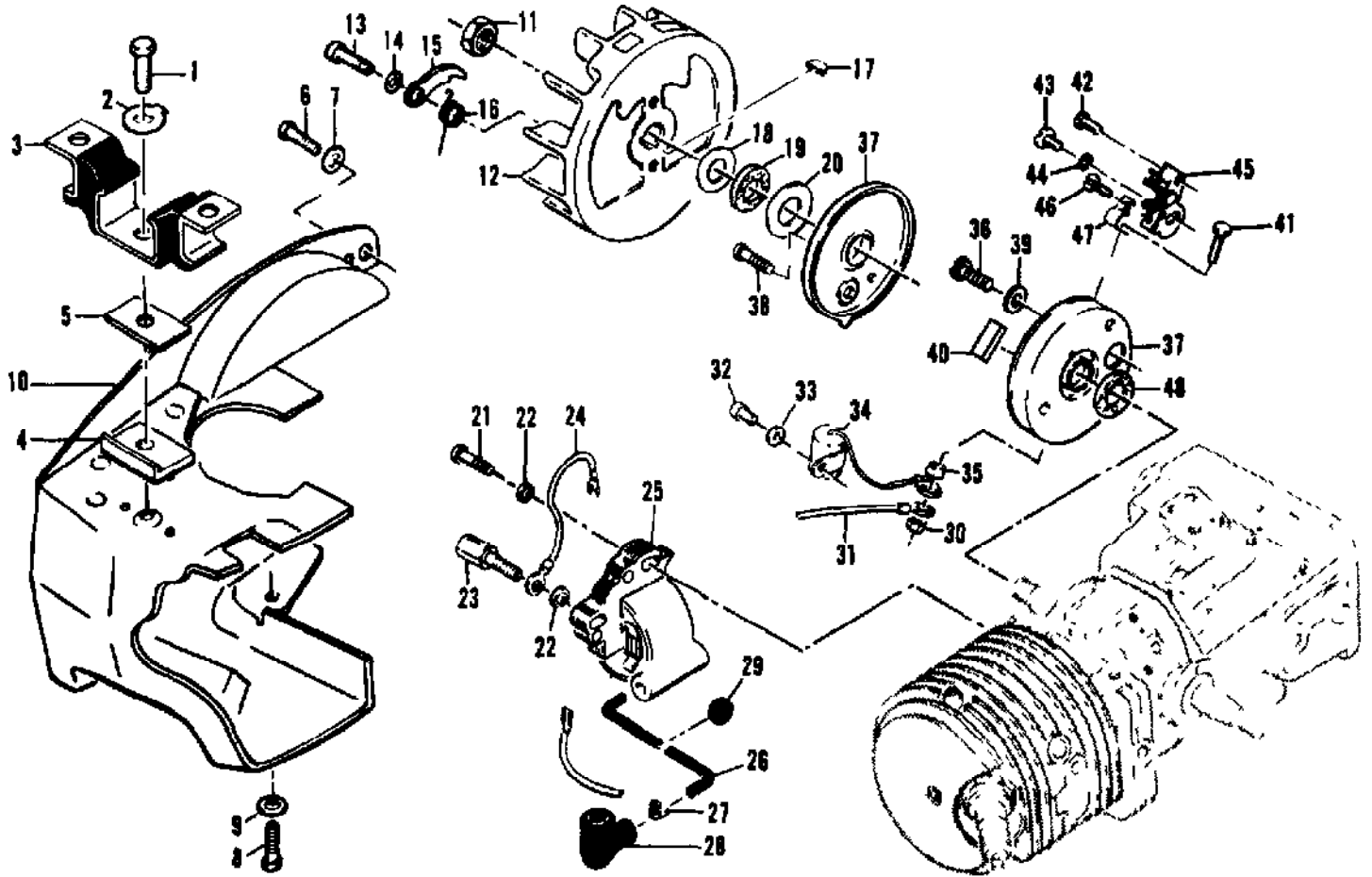




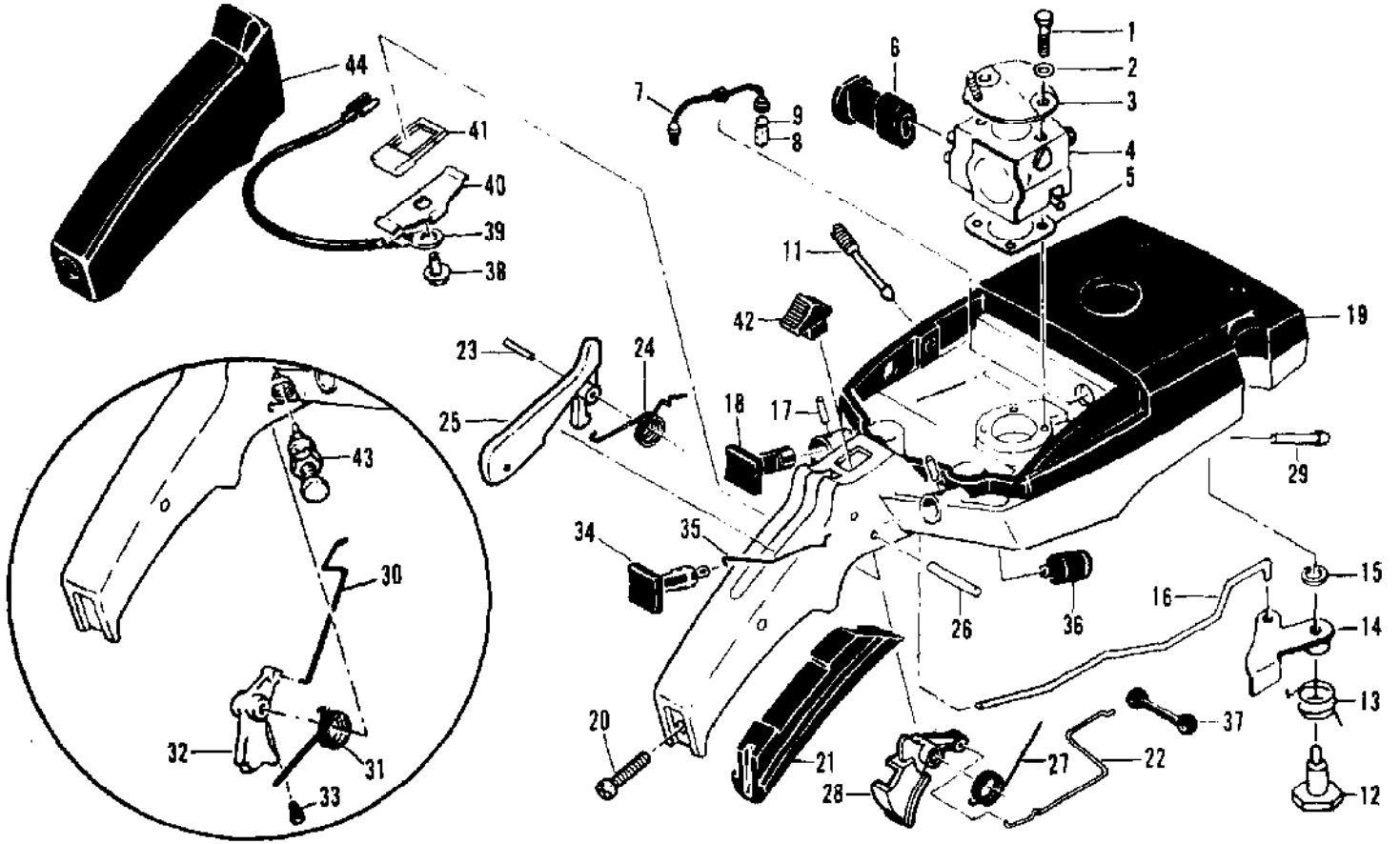
Ref #	Part Number	Qty	Description
	91278	1	Chain Brake Assy
1	102500	1	Screw - Pan hd 10-24 x 1/2
2	91273	1	Washer - Special
3	91251A	1	Lever Assy
4	91239	1	Spring
5	91235A	1	Latch Assy
6	105738	1	Screw - Skt hd 1/4-20 x 7/8
7	91274	2	Washer - Special
8	91238	1	Band
9	91249	1	Housing Assy
10	110527	1	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 - Hex 10-24
15	91246	1	Pin - Lever pivot
16	91245	1	Washer - Thrust



Ref #	Part Number	Qty	Description
1	91255	1	Kit - Starter handle
2	105490	1	Washer - Starter handle
	87667	1	Fan Housing & Starter Asy
3	110646	3	Screw - Oval hd 8-32 x 1-1/8
4	87672	1	Cover - Starter
5	110341	1	Screw - Hx hd 10-24 x 1/2
6	68162	1	Rope - Starter
7	110470	1	Rivet - Rope
8	85122	1	Drum - Starter
9	87680	1	Spring - Rewind
10	86053	1	Shield - Spring
11	83748	1	Shaft - Starter
12	57535	2	Bushing - Starter
13	87693	1	Kit - Fan housing
14	87674	1	Guard - Sawdust

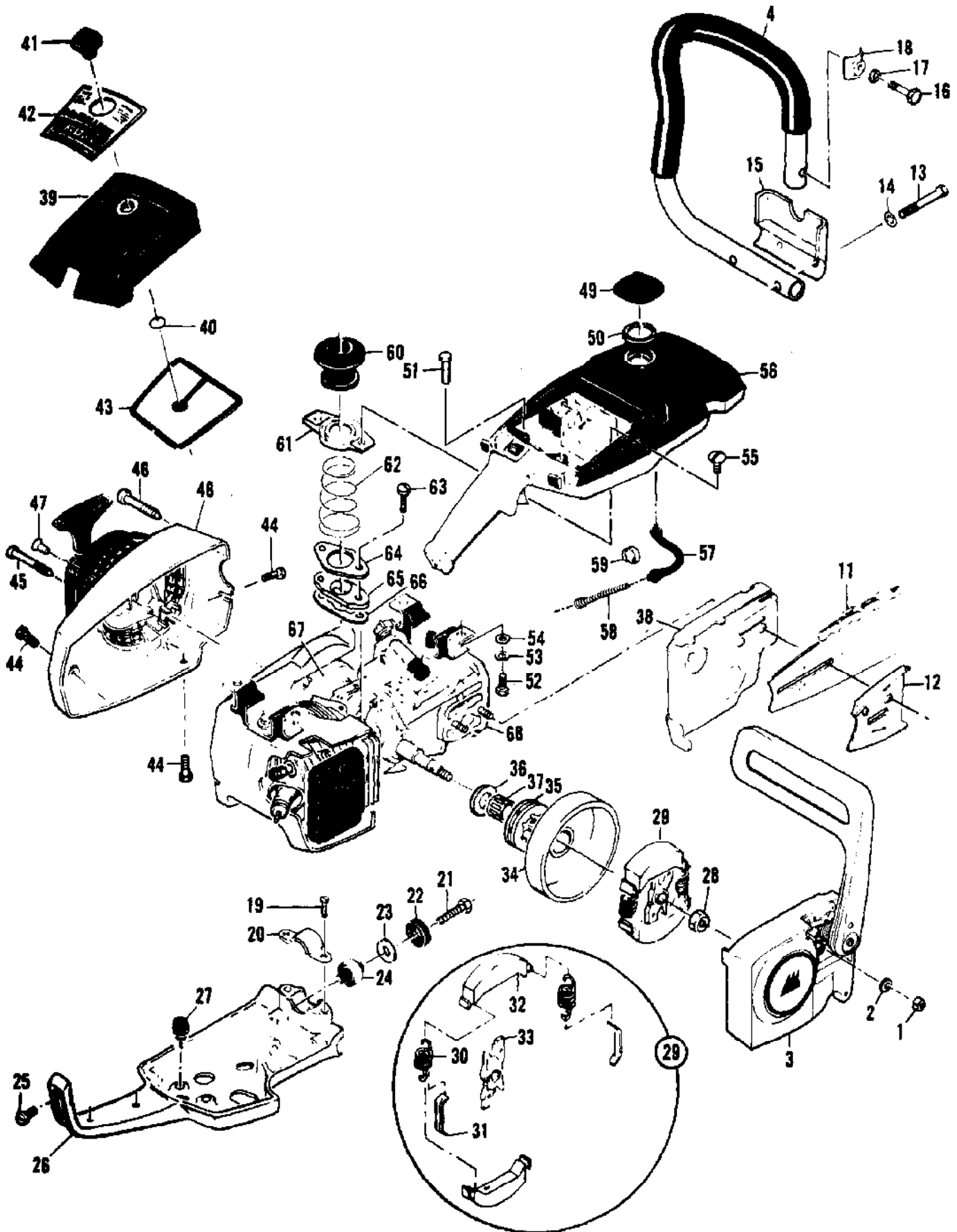


Ref #	Part Number	Qty	Description
1	83811	1	Screw-Special
2	69924	1	Plate-Lock
3	91578	1	Mount-Rear
4	83693	1	Kit-Rear mount adaptor
5	84619	1	Insulator-Rear mount
6	110776	1	Screw- Fil hd 8-32 x 3/8
7	100057	1	Washer-Lock #8
8	110640	1	Screw-Hx hd 12-24 x 5/8
9	110106	1	Washer #12
10	85747A	1	Shroud Asy
11	110703	1	Nut-Hx 3/8-24
12	86068	1	Flywheel Asy
13	88804	2	Screw-Pawl pivot
14	83241	2	Washer-Special
15	67546	2	Pawl-Starter
16	67545	2	Spring-Pawl
17	100106	1	Key-Woodruff
18	67057	1	Washer-Thrust
19	67056	1	Seal-Breaker box cover
20	67054	1	Washer-Thrust
21	110127	1	Screw-Hx hd 10-24 x 7/8 (SEMS)
22	100002	2	Washer #10
23	83512	1	Stud-Special
24	85798	1	Wire Asy-Ground
25	87246A	1	Coil & Lamination Asy
26	50120	1	Wire Asy-Spark plug
27	55061	1	Connector
28	85758	1	Boot
29	100268	1	Grommet
30	100298	1	Nut-Hx 6-32
31	85796	1	Wire Asy-Primary
32	110338	1	Screw-Fil hd 8-32 x 1/2
33	100080	1	Washer-#8
34	85358	1	Condenser
35	62365	1	Spacer-Breaker box
36	110584	1	Screw-Pan hd 8-32 x 3/4
37	91852	1	Kit-Breaker Box & Cover
38	110489	1	Screw-Pan hd 6-32 x 7/16
39	91838	1	Washer
40	54184	1	Wiper-Cam
41	110346	1	Screw-Hx hd 6-32 x 3/4
42	110811	1	Screw-Pan hd 8-32 x 3/8
43	110969	1	Screw-Hx hd 8-32 x 1/2
44	105976	1	Washer #8
45	88808	1	Breaker Asy
46	110706	1	Screw-Pan hd 6-32 x 7/16 s/t
47	83126	1	Strap-Conduction
48	67051	1	Seal-Breaker box



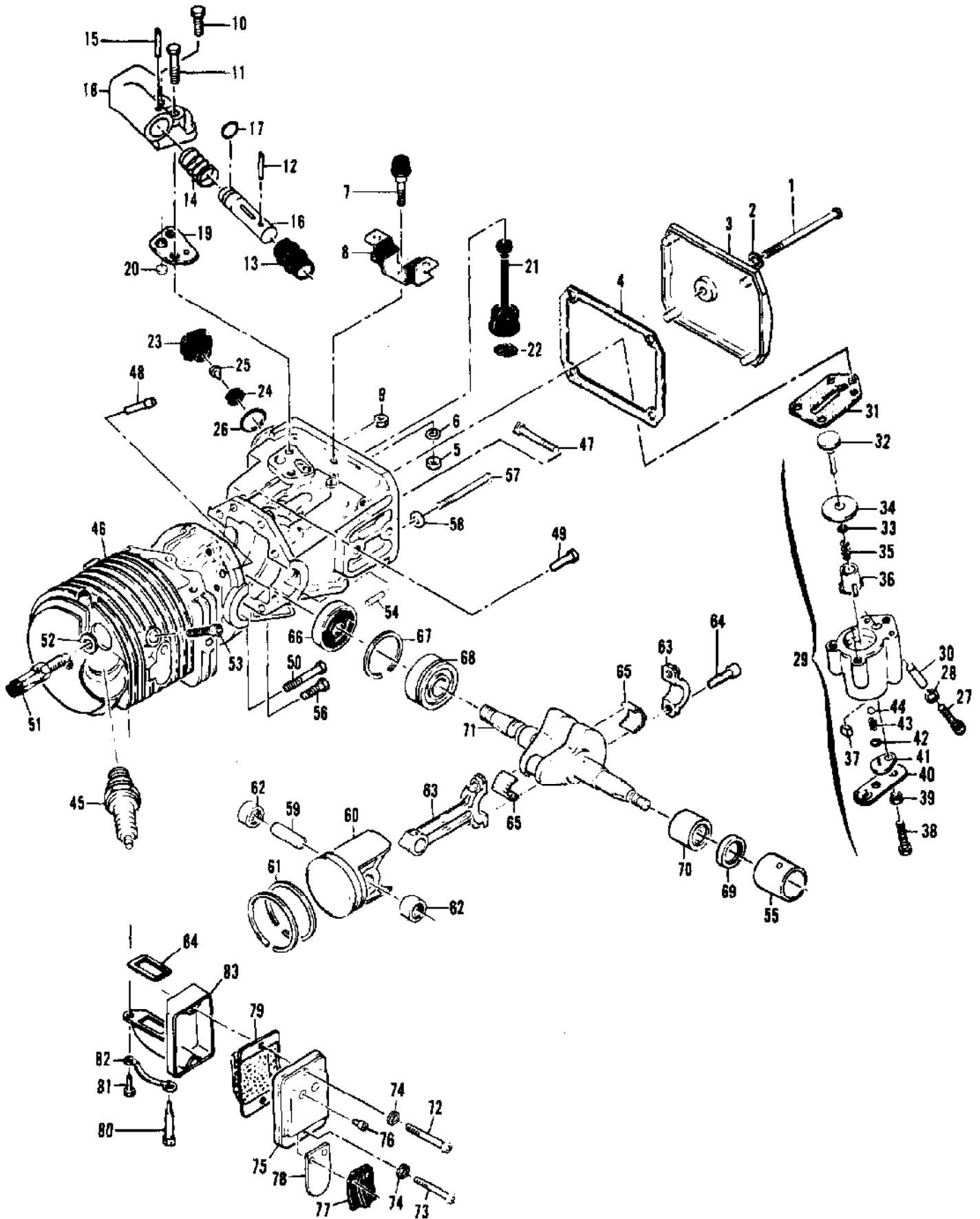
Ref #	Part Number	Qty	Description
1	110894	2	Screw-Hx hd 10-24 x 2-1/8
2	110964	2	Washer
3	83204	1	Bracket Assembly
4			Carburetor Asy See "Carburetor Assemblies (Part 2 and Part 3)" illustrations and parts lists.
5	86189	1	Gasket - Carburetor
6	69629	1	Boot - Carburetor controls
6	85901	1	Boot - Carburetor controls
7	64848	1	Hose Assembly - Fuel
8	63932	1	Filter - Fuel
9	100440	1	Washer
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/Control Assy
19	87893A	1	Tank Assy - Fuel
20	105722		Screw - Fil hd 3/4-20 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		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		Contact - Switch
41	62950A	1	Base - Switch
42	68846	1	Button - Switch
43	85451	1	Latch Asy - Throttle
44	91583	1	Grip - Handle





Ref #	Part Number	Qty	Description
1	110961	2	Nut - Hx 5/16-24
2	100440	2	Washer - 5/16
3			CHAIN BRAKE Asy See "Chain Brake Assembly" illustration and parts list.
4	91586	1	Frame & Grip
11			Bar & Chain Asy
12	64325		Plate - Bar protector
13	102433	2	Screw - Hx hd 10-24 x 1-5/8
14	101194	2	Lockwasher - #10
15	84798	1	Clamp - Frame
16	102130	1	Screw - Hx hd 1/4-20 x 1-1/2
17	100153	1	Lockwasher - 1/4"
18	63484	1	Clamp - Frame
19	104950	2	Screw - Hx hd 10-24 x 5/8 (SEMS)
20	83819	1	Clamp - Lower mount
21	110679	1	Screw - Hx hd 1/4-20 x 2
22	84661	1	Grommet
23	110845	1	Washer - 1/4
24	85898	1	Mount - Lower
25	105722	1	Screw - Fil hd 1/4-20 x 1-3/8
26	90986	1	Brace - Frame
27	89403	2	Bumper
28	86113	1	Nut - Hx 3/8-24 L.H.
29	87675	1	Clutch Asy
30	83223	2	Spring - Clutch
31	64583	2	Retainer - Spring
32	67233	2	Shoe - Clutch
33	89438	1	Rotor - Clutch
34	86948	1	Drum - Clutch
35	86943	1	Sprocket - 8T .375
36	86958	1	Washer - Sprocket
37	110330	1	Bearing - Sprocket
38	84978		Guard - Sawdust
39	84700	1	Cover Asy - Air cleaner
40	110565	1	Ring - Retaining
41	68529	1	Knob - Cover
42	91587	1	Nameplate
43	85387	1	Filter Asy - Air
44	110741	3	Screw - Pan hd 10-24 x 1/2
45	87871	1	Screw - Special
46	85242	1	Screw - Special
46	87871	1	Screw - Special
47	110667	1	Rivet
48			Fan Housing & Starter See "Fan Housing & Starter Assembly" illustration and parts list.
49	89322	1	Cap - Fuel
50	69767	1	Gasket - Fuel cap
51	110746	2	Screw - Hx hd 10-24 x 1/2
52	102861	2	Screw - Hx hd 1/4-20 x 5/8
53	100153	2	Lockwasher - 1/4
54	100005	2	Washer - 1/4
55	110807	2	Screw - Pan hd 8-32 x 5/16
56			Fuel Tank Asy See "Fuel Tank Assembly" illustration and parts list.

Ref #	Part Number	Qty	Description
57	69598	1	Line - Pulse
58	61944	1	Spring
59	87826	1	Clamp - Pulse line
60	87841	1	Boot - Port
60	88834A	1	Boot - Port
61	83122	1	Clamp Asy - Boot
61	86175	1	Clamp Asy - Boot
62	86190	1	Spring - Ground
63	104396	2	Screw - Pan hd 10-24 x 3/4
64	69759A	1	Clamp - Boot
65	87844	1	Insulator - Inlet
66	88740	1	Gasket - Insulator
67			Flywheel & Ignition System See "Flywheel & Ignition System Assembly" illustration and parts list.
68			Powerhead & Oiler Asys See "Powerhead & Oiler Assembly" illustration and parts list.



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 - Pan hd 8-32 x 5/8
11	105245	1	Screw - Fil hd 8-32 x 1 (SEMS)
	91507	1	Kit - Manual Oiler
12	105673	1	Pin - Roll 8/32 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		"O" Ring
18	91218	1	Body - Oil pump
19	91669	1	Gasket - Oil pump
20	91668	1	Valve - Oiler
21	91672	1	Hose Asy - Oil
22	51506	1	Screen - Hose
23	87270	1	Cap Asy - Oil
24	87269	1	Retainer
25	86402	1	Valve - Check
26	101148		"O" Ring
27	110865	1	Screw - Hx hd 10-24 x 7/8
28	100003	1	Washer - #10
29	89115A	1	Pump Asy - Pulse
30	91774	1	Sleeve - Pulse Pump
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 - Valve
45	63432	1	Spark Plug
46	87737A	1	Cyl/Crankcase Asy
47	62065	2	Bolt - Bar mounting
48	69600	1	Nipple - Pulse line
49	110288	2	Screw - Hx hd 8-32 x 3/4
50	110618	1	Screw - Hx hd 8-32 x 1-3/8
51	87866	1	Valve - DSP
52	85505	1	Washer - Valve
53	110681	1	Screw - Skt hd 10-24 x 1/4
54	110851	1	pin - Dowel

Ref #	Part Number	Qty	Description
55	87152	1	Insert - Bearing
56	110288	1	Screw - Hx hd 8-32 x 3/4
57	62105	4	Screw Asy - Sealing
58	62842	4	Washer - Sealing
59	87710	1	Pin - Piston
60	87713	1	Piston Asy
61	87716	1	Ring Set - Piston
62	110590	2	Bearing - Needle
63	85352	1	Connecting Rod Asy
64	61627A	2	Screw - Special
65	63225	1	Roller (Set of 20)
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	87699	1	Crankshaft
72	101563	1	Screw - Skt hd 10-24 x 1-1/2
73	104534	1	Screw - Skt hd 10-24 x 1-13/32
74	24236	2	Washer - Special
75	87683	1	Cover - Valve Asy
76	110472	2	Screw - Skt hd 8-32 x 5/16
77	87286	1	Stop - Reed
78	87682	1	Valve - Reed
79	85152	1	Baffle - Muffler
80	68187	1	Screw - Special
81	110529	1	Screw - Hx hd 10-24 x 1/2
82	67922	1	Lockplate
83	87663	1	Body & Duct Asy
84	84007	1	Gasket - Muffler
	87151		Needle Insert Bearing Asy