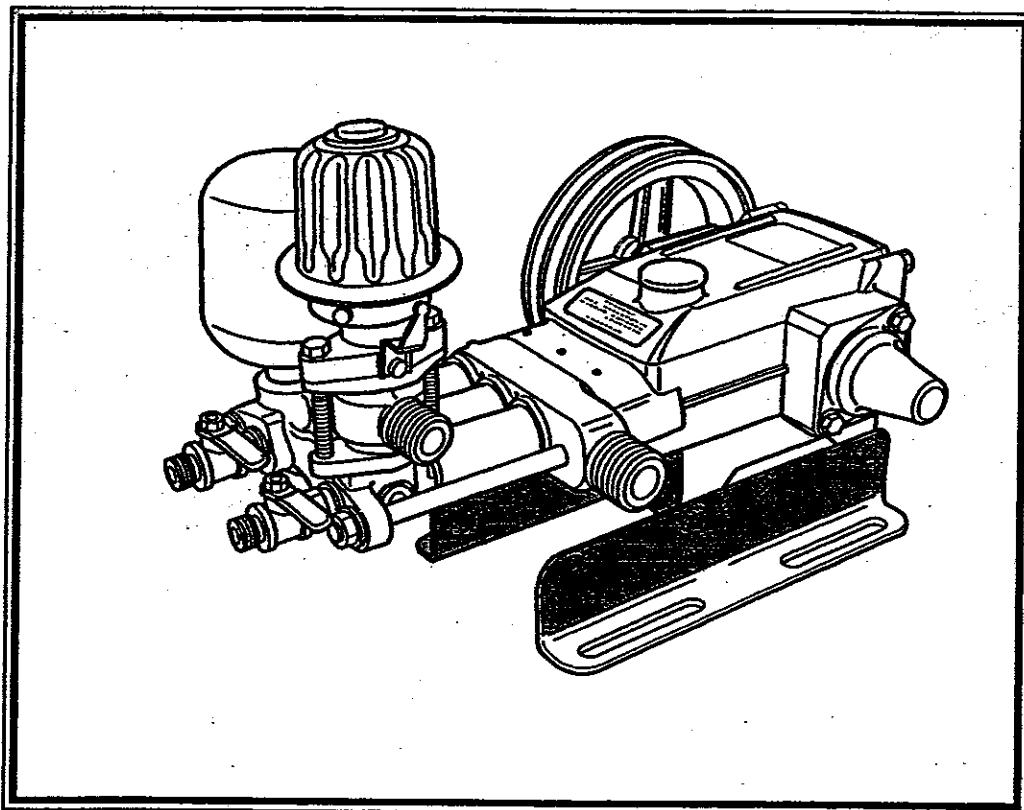




# Illustrated Parts List

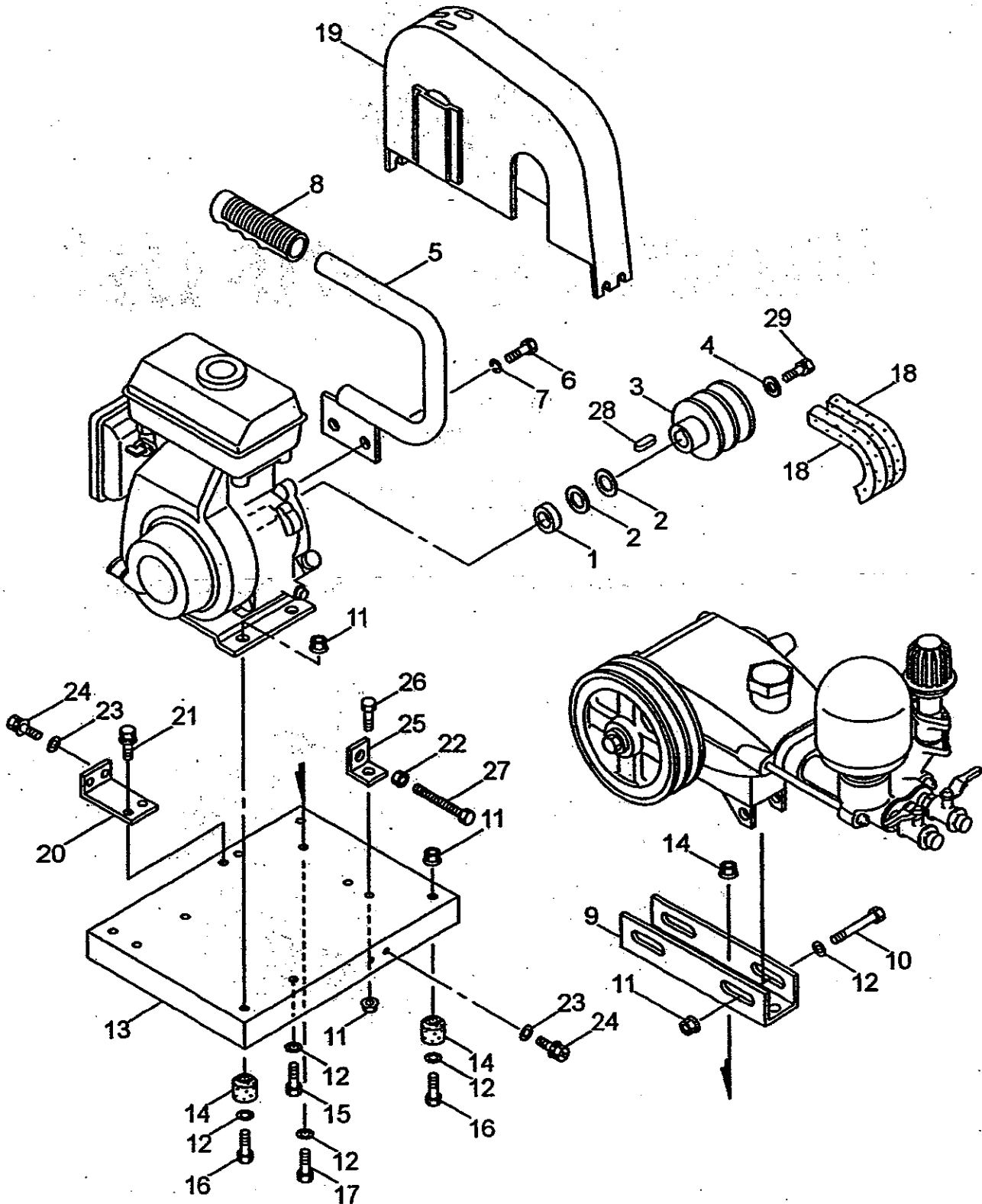
**Models  
MS154EMH**



Date: 5/25/00

Part Number: 845349

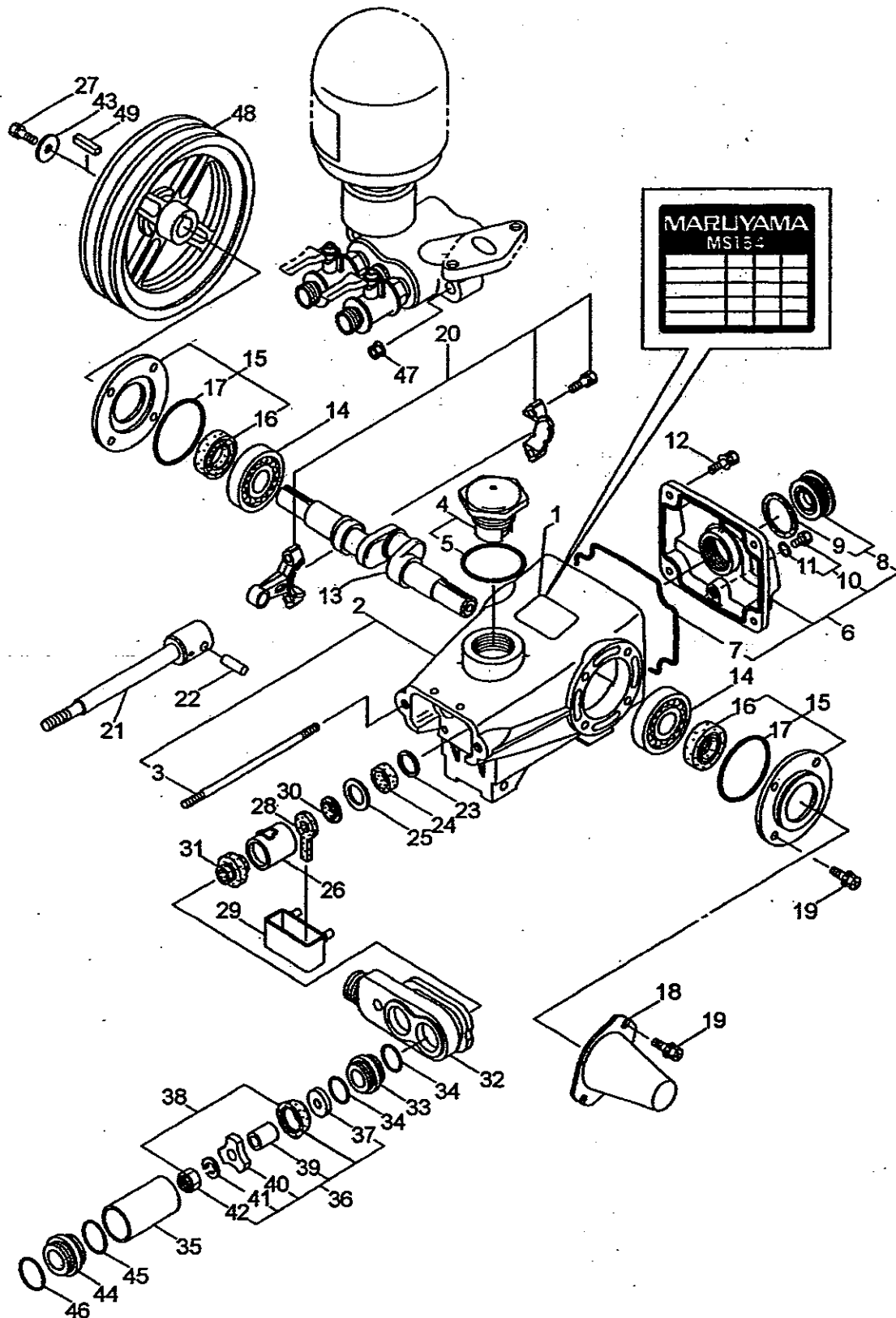
# MAIN BODY



# MAIN BODY

Ref No.	Part No.	Description	Q'ty	Notes
1	113554	Collar	1	16.5X21.7X9L
2	020129	Washer	2	M20
3	544341	V-Pulley	1	
4	022908	Washer	1	602X17X13.2
5	545231	Handle	1	
6	080126	Bolt	2	M8X20
7	015845	Spring Washer	2	M8
8	541775	Grip	1	
9	540585	Rail	1	
10	080190	Hex Bolt	2	M8X70X22
11	101804	Hex Flange Nut	12	M8
12	014065	Washer	11	M8
13	540054	Base	1	
14	107219	Buffer	4	
15	080124	Bolt	3	M8X16
16	080129	Bolt	4	M8X25
17	092521	Bolt	2	M8X20
18	105286	V-Belt	2	A23
19	542333	Belt Cover	1	
20	544352	Stay	1	
21	817004	Bolt	2	M6X12
22	081039	Nut	1	M8
23	013754	Washer	4	M6
24	092519	Bolt	4	M6X16
25	054928	Belt Tension Plate	1	
26	080124	Bolt	1	M8X16
27	080178	Bolt	1	M8X60
28	586693	Key	1	4.78x4.78x38
29	082116	Bolt	1	

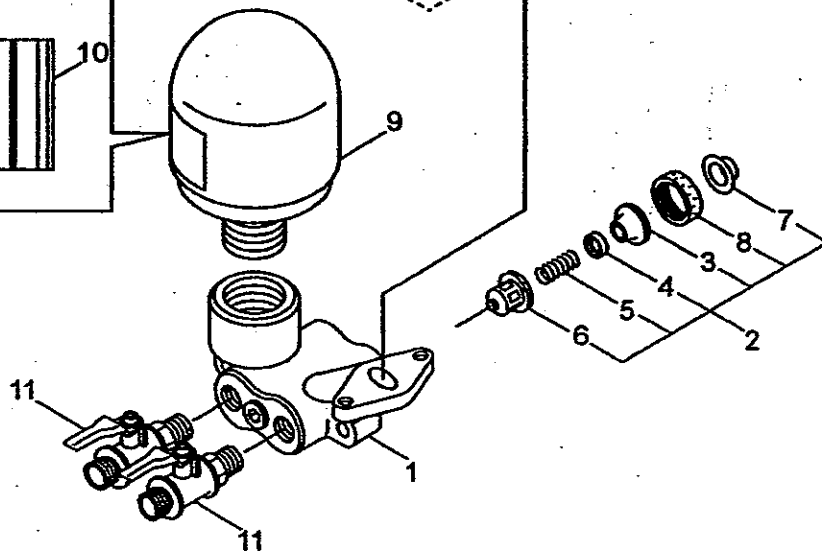
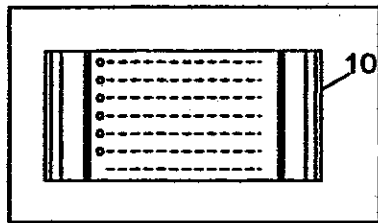
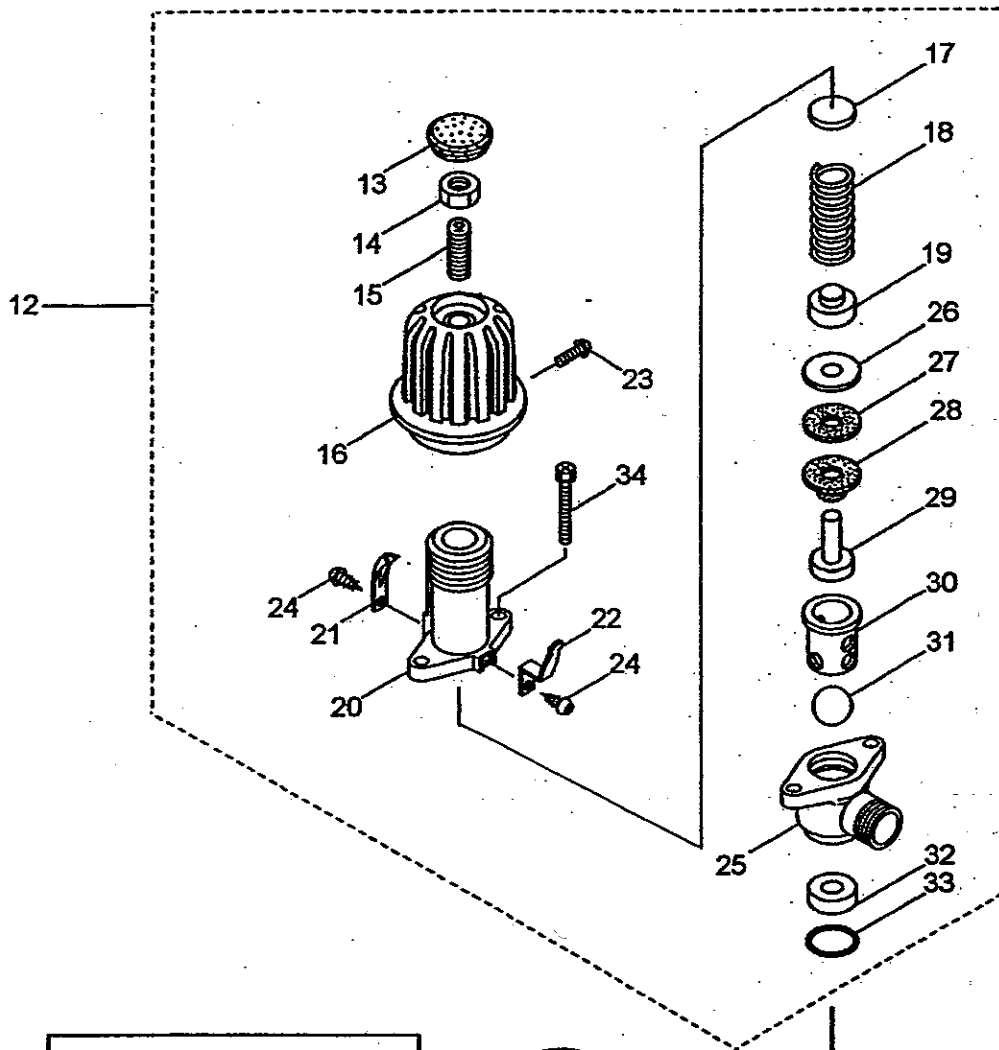
# PUMP ASSEMBLY



# PUMP ASSEMBLY

Ref No.	Part No.	Description	Q'ty	Notes
1	120406	Label	1	MS154
2	120407	Crankcase	1	INCL 3
3	014051	Stud	2	M8X130X16X18
4	091264	Oil Filler Cap	1	INCL 6
5	014177	O-Ring, Oil Filter Cap	1	P35
6	120409	Crankcase Rear Cover Assy.	1	INCL 7-11
7	106963	O-Ring	1	
8	092241	Oil Gauge Assy.	1	INCL 9
9	044428	Packing	1	25X34X12.5
10	091376	Drain Plug	1	INCL 11
11	023170	O-Ring	1	P12.5
12	092519	Bolt	4	M6X16
13	103383	Crankshaft	1	
14	014487	Bearing	2	#6304
15	091581	Oil Seal Case Assy.	2	INCL 16,17
16	024159	Oil Seal	2	D204010
17	026536	O-Ring, Oil Seal Case	2	51.8X1.5
18	025130	Shaft Protector	1	
19	092519	Bolt	8	M6X16
20	116931	Connecting Rod Assy.	2	
21	120417	Piston Rod	2	
22	016948	Piston Pin	2	9X22L
23	020017	Washer	2	17X24X1.2
24	025461	Oil Seal	2	S10.5247
25	026854	Washer	2	20X28X1.2
26	028033	Seal Packing Retainer	2	
27	092521	Bolt	1	M8X20
28	027711	Felt Packing	2	
29	028034	Oil Pan	1	
30	026853	Packing	2	
31	100015	Seal Packing	2	
32	028035	Cylinder Manifold	1	
33	016957	Pipe Receiver	2	
34	015862	O-Ring	4	P21
35	022929	Cylinder Pipe	2	25X28.5X55L
36	629356	Inlet Valve Assy.	2	INCL 37-42
37	014122	Suction Valve Seat	2	6.1X20X12.8
38	632586	Piston Packing Set	2	INCL 39-42
39	027499	Suction Valve Collar	2	6X8.5X10L
40	027500	Piston Retainer	2	
41	015849	Spring Washer	2	M6
42	046365	Nylon Nut	2	M6
43	100836	Washer	1	8.5X30X13.2
44	022931	Pipe Receiver	2	
45	015862	O-Ring	2	P21
46	023172	O-Ring	2	P22
47	101804	Nut	2	M8
48	100837	V-Pulley	1	152-AX2
49	014543	Key	1	5X5X25L

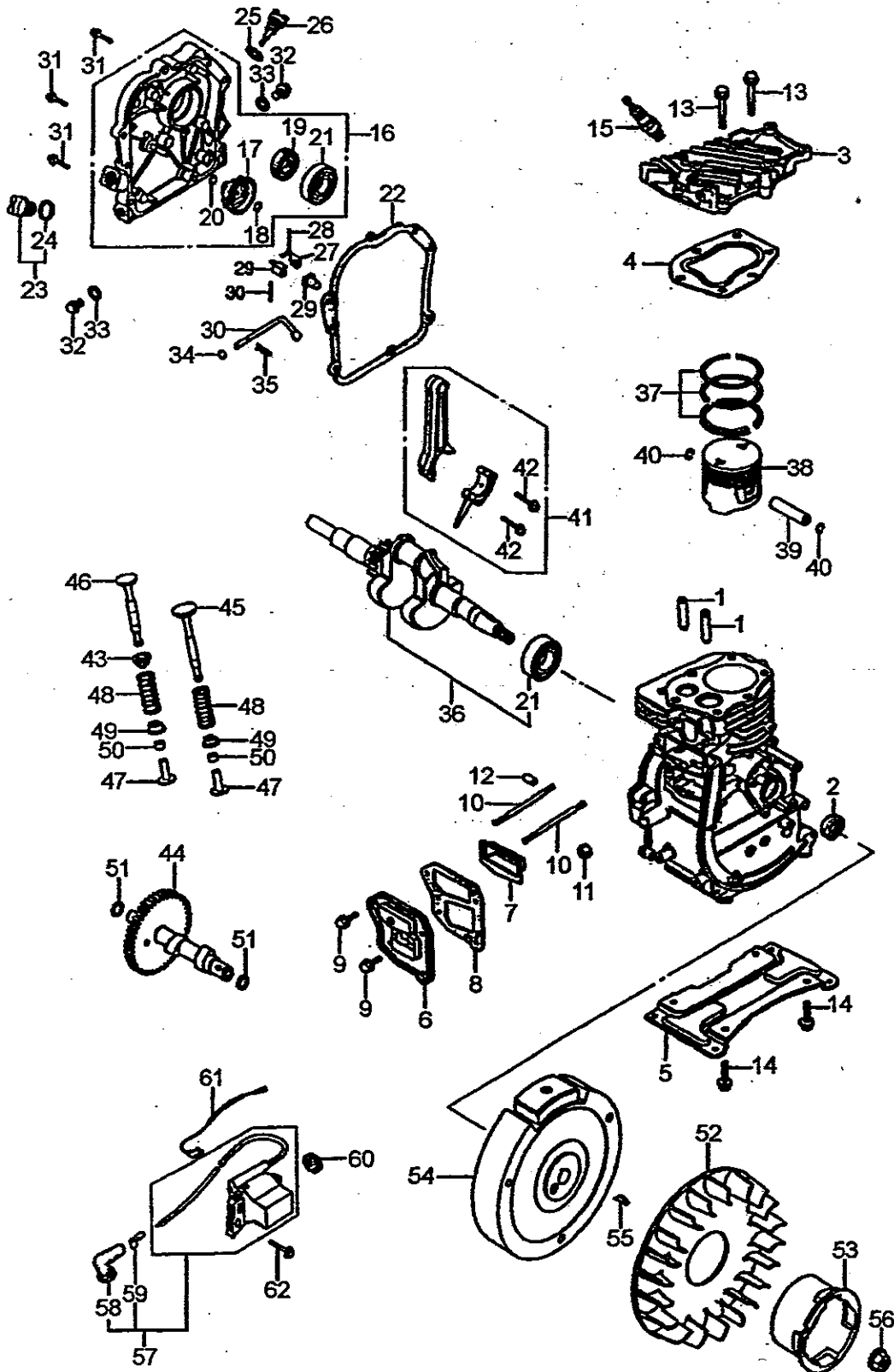
# PRESSURE REGULATOR VALVE & DISCHARGE VALVE



# PRESSURE REGULATOR VALVE & DISCHARGE VALVE

Ref No.	Part No.	Description	Q'ty	Notes
1	120421	Discharge Manifold	1	
2	105510	Discharge Valve Assy	2	INCL.3-8
3	105511	Discharge Valve Seat	2	
4	022842	Discharge Valve	2	
5	022031	Discharge Valve Spring	2	
6	105512	Retainer	2	
7	105513	Packing Ring	2	
8	105514	Valve Case	2	
9	107752	Air Chamber	1	
10	108465	Label	1	
11	117609	Cock Assy.	2	PF1/4XTP1/4
12	118236	Pressure Reg. Valve Assy.	1	INCL. 13-34
13	105518	Cap	1	
14	084015	Nut	1	M10
15	088975	Screw	1	M10X48
16	118662	Grip	1	
17	019917	P R Valve Spring Seat	1	
18	105520	Spring	1	
19	105521	Retainer	1	
20	117448	Case	1	
21	117440	Plate	1	
22	117441	Indicator	1	
23	089899	Tapping Screw	2	M4X13
24	082744	Screw	2	M4X6
25	118237	Body	1	
26	012255	Washer	1	6.2X22X10.6
27	016972	P R Valve Bellows Packing	1	5X22X11.5
28	011451	P R Valve Bellows	1	
29	016975	P R Rod Valve	1	
30	012256	P R Valve Sack	1	
31	107238	Valve Ball	1	12.7(1/2)
32	117443	Valve Seat	1	
33	014179	O-Ring	1	P20
34	118610	Bolt	2	M6X55

# ENGINE (CYLINDER, PISTON, & FLYWHEEL)



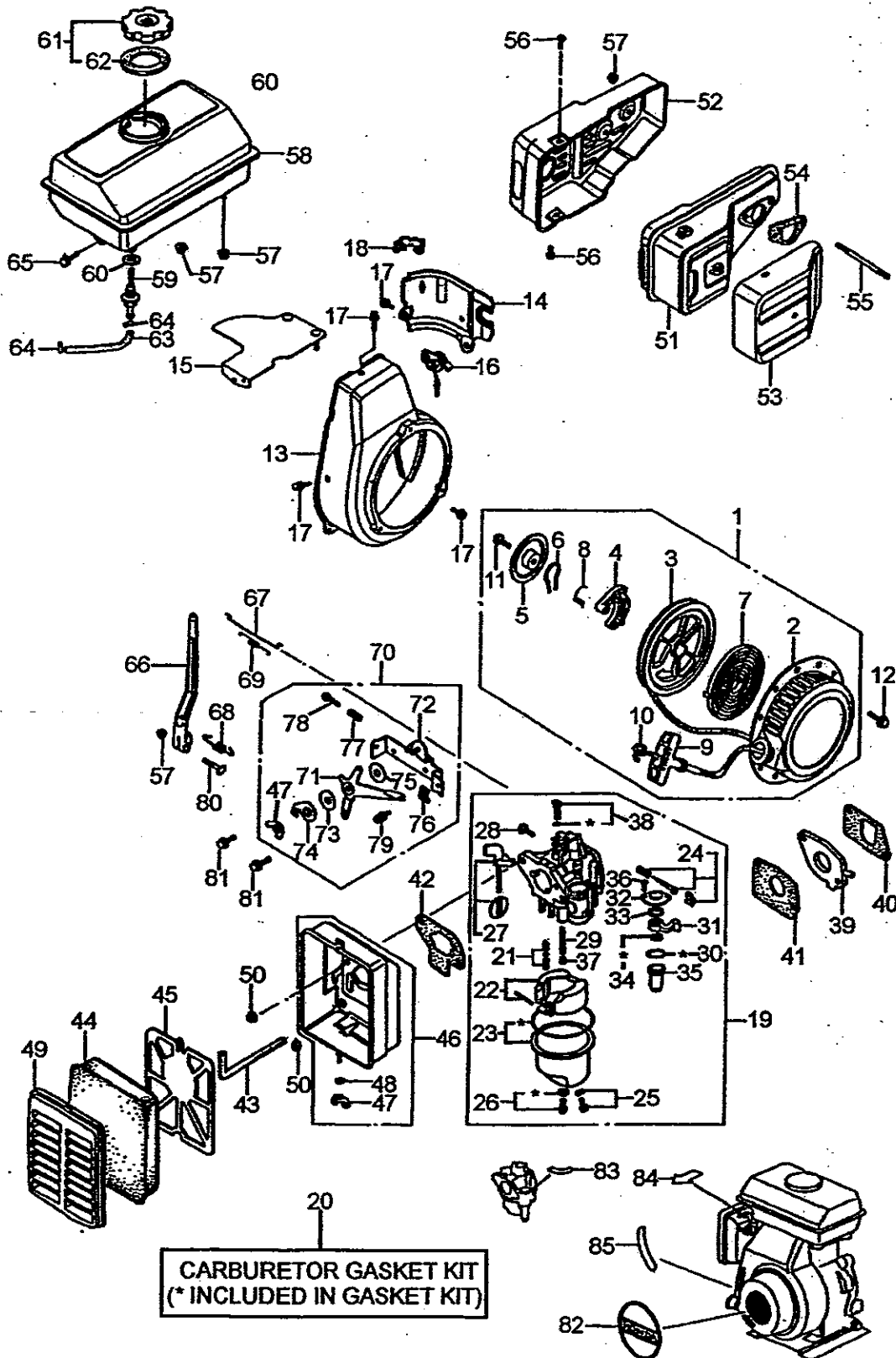


# ENGINE(CYLINDER, PISTON, & FLYWHEEL)

Ref No.	Part No.	Description	Q'ty	Notes
1	586466	Valve Guide	2	
2	991195	Oil Seal	1	
3	632708	Cylinder Head	1	
4	586468	Cylinder Head Gasket	1	
5	998209	Engine Bed	1	
6	998208	Tappet Room Cover	1	
7	998206	Inner Separator Assy	1	
8	622210	Tappet Cover Gasket	1	
9	990464	Bolt	4	
10	990468	Stud Bolt	2	5X80
11	990480	Oil Seal	1	
12	990497	Dowel Pin	2	8X14
13	632709	Flange Bolt	6	
14	622211	Flange Bolt	4	8X18
15	632710	Spark Plug	1	BRMR4A(RCJ8Y)
16	632711	Crankcase Cover Assy.	1	INCL.17-21
17	998194	Governor Weight Hold	1	
18	625895	Governor Holder Clip	1	
19	991195	Oil Seal	1	
20	990493	Plain Washer	1	
21	990507	Bearing	1	#6203
22	622214	Case Cover Gasket	1	
23	626335	Oil Filler Cap Assy.	1	INCL. 24
24	626334	Oil Filler Cap Packing	1	
25	998201	Oil Filler Cap Packing	1	
26	632712	Oil Filler Cap	1	
27	990405	Governor Weight	2	
28	998195	Governor Weight Pin	2	
29	998196	Governor Slider	1	
30	990408	Governor Arm Shaft	1	
31	998198	Flange Bolt	6	
32	998200	Drain Plug Bolt	2	
33	998199	Drain Plug Washer	2	
34	998197	Plain Washer	1	
35	990496	Lock Pin	1	
36	622219	Crankshaft Comp.	1	INCL. 21
37	586528	Piston Ring Set	1	
38	586532	Piston	1	
39	990368	Piston Pin	1	
40	990369	Piston Pin Clip	2	
41	998185	Connecting Rod Assy	1	INCL. 42
42	998186	Connection Rod Bolt	2	
43	632713	Valve Stem Seal	1	
44	586540	Camshaft Comp.	1	
45	632714	Inlet Valve	1	
46	632715	Exhaust Valve	1	
47	632716	Valve Lifter	2	
48	990378	Valve Spring	2	
49	998191	Valve Spring Retainer	2	
50	990380	Tappet Clearance Adjuster	2	3.15
50	990381	Tappet Clearance Adjuster	2	3.25
50	990382	Tappet Clearance Adjuster	2	3.34
50	990383	Tappet Clearance Adjuster	2	3.43
50	990384	Tappet Clearance Adjuster	2	3.52
50	990385	Tappet Clearance Adjuster	2	3.61
50	990386	Tappet Clearance Adjuster	2	3.72
50	990387	Tappet Clearance Adjuster	2	3.82

Ref No.	Part No.	Description	Q'ty	Notes
51	998184	Washer	2	12
52	622216	Cooling Fan	1	
53	632728	Starter Pulley	1	
54	632729	Flywheel Comp.	1	
55	632730	Woodruff Key	1	3X5
56	998219	Flange Nut	1	12
57	622217	Ignition Coil Assy.	1	INCL.58,59
58	622218	Ignition Cap	1	
59	990460	Plug Terminal	1	
60	998213	Hi-Tension Cord Grom	1	
61	998215	Stop Switch Cord	1	
62	998214	Flange Bolt	2	6X25

# ENGINE(FUEL TANK, FAN COVER, STARTER)

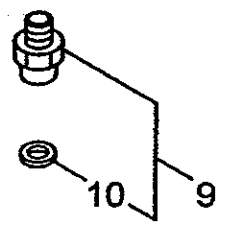
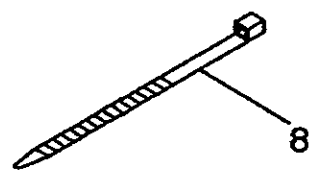
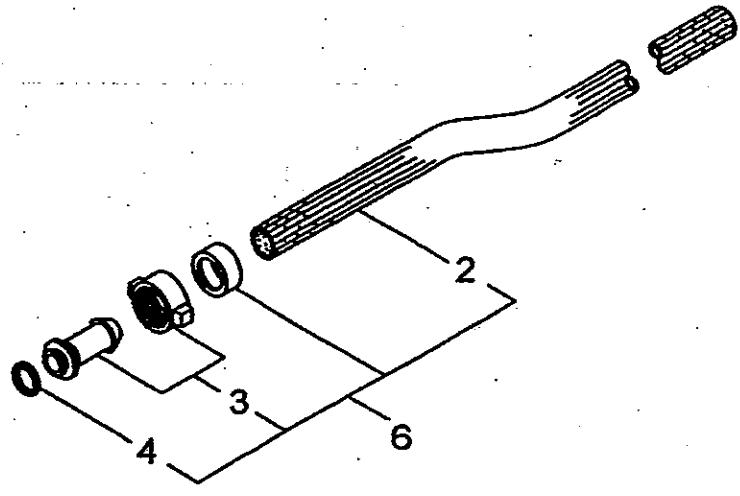
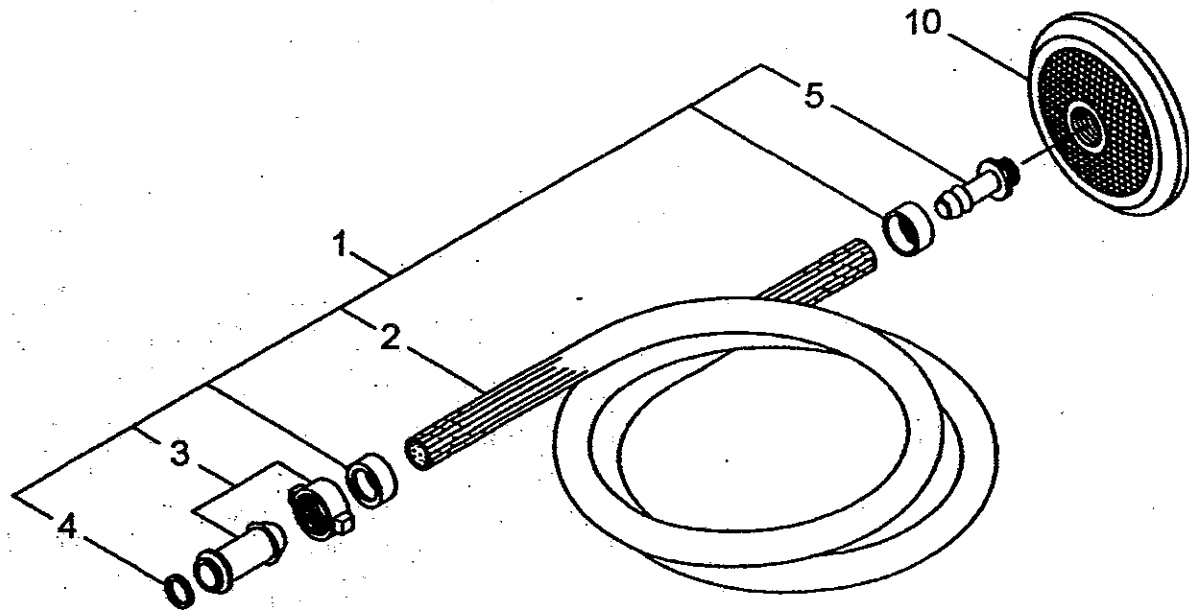


# ENGINE(FUEL TANK,FAN COVER,STARTER)

Ref No.	Part No.	Description	Q'ty	Notes
1	622225	Recoil Starter Assy.	1	INCL. 2-11
2	622226	Recoil Starter Case Comp.	1	
3	622227	Recoil Starter Reel	1	
4	599630	Starter Ratchet	1	
5	990445	Friction Plate	1	
6	990446	Friction Spring	1	
7	599631	Recoil Starter Spring	1	
8	990448	Return Spring	1	
9	620862	Recoil Starter Knob	1	
10	632717	Recoil Starter Rope	1	
11	632718	Bolt	1	6X20
12	626609	Flange Bolt	3	
13	632719	Fan Cover Comp.	1	
14	998222	Shroud	1	
15	632720	Top Cover	1	
16	632721	Engine Stop Switch Assy.	1	
17	990467	Bolt	6	6X12
18	998223	Tube Clip	1	
19	632722	Carburetor Assy.	1	INCL. 21-38
20	622233	Gasket Set	1	
21	998250	Float Valve Set	1	
22	998253	Float Set	1	
23	998254	Float Chamber Set	1	
24	632788	Screw Set	1	
25	998255	Drain Screw Set	1	
26	998256	Screw Set	1	
27	622234	Choke Set	1	
28	998258	Throttle Stop Screw	1	
29	632723	Main Nozzle	1	
30	998262	O-Ring	1	
31	632724	Valve Lever	1	
32	629366	Setting Lever Plate	1	
33	998265	Cock Lever Spring	1	
34	620840	Petcock Gasket	1	
35	998261	Fuel Strainer Cup	1	
36	998267	Screw	2	3X6
37	632725	Main Jet	1	#50
37	632726	Main Jet	1	#52
37	632727	Main Jet	1	#55
38	998260	Pilot Jet Set	1	#35
39	622236	Carburetor Insulator	1	
40	622237	Insulator Gasket	1	
41	622238	Carburetor Gasket	1	
42	622239	Air Cleaner Gasket	1	
43	998274	Breather Tube	1	
44	990422	Air Cleaner Element	1	
45	990423	Air Cleaner Grid	1	
46	998272	Air Cleaner Case Assy	1	INCL. 47,48
47	990471	Wingnut	2	
48	990492	Washer	1	
49	998275	Air Cleaner Cover	1	
50	998273	Flange Nut	2	5

Ref No.	Part No.	Description	Q'ty	Notes
51	998228	Muffler Assy	1	
52	622247	Muffler Protector	1	
53	990433	Muffler Seperator	1	
54	622248	Muffler Gasket	1	
55	998233	Stud Bolt	2	6X50
56	622244	Screw	2	6X6
57	990487	Flange Nut	2	
58	622901	Fuel Tank Comp.	1	
59	583789	Fuel Tank Joint	1	
60	629360	O-Ring	1	
61	627205	Fuel Filler Cap Comp.	1	INCL. 62
62	620872	Fuel Filler Cap Gasket	1	
63	629368	Fuel Hose	1	
64	990499	Tube Clip	2	
65	586670	Flange Bolt	1	
66	998283	Governor Arm	1	
67	998285	Governor Rod	1	
68	998284	Governor Spring	1	
69	998286	Throttle Return Spring	1	
70	622232	Control Assy.	1	INCL. 47,71-79
71	998279	Control Lever	1	
72	998277	Control Base Assy	1	
73	998280	Lever Spring	1	
74	998281	Control Lever Washer	1	
75	998278	Control Lever Spacer	1	
76	990418	Cable Holder	1	
77	990419	Control Adj Spring	1	
78	990484	Screw	1	5X25
79	620832	Pan Screw	1	
80	626007	Governor Arm Bolt	1	
81	990467	Flange Bolt	2	6X12
82	632732	Emblem	1	
83	632733	Choke Mark	1	
84	632734	Choke Mark	1	
85	632735	Throttle Mark	1	

# ACCESSORIES



# ACCESSORIES

Ref No.	Part No.	Description	Q'ty	Notes
1	811358	Suction Hose Assy.	1	INCL 2-5
2	104345	Hose	2	13X19X3000L
3	098009	Hose Coupling	2	PF1/2
4	103685	Packing	2	12X18.5X11.5
5	106637	Hose Coupling	1	PF1
6	103572	Spill Hose Assy.	1	INCL 2-4
7	116682	Suction Strainer Assy.	1	
8	107107	Band	1	
9	091010	Extension	1	INCL 10
10	550090	Packing	1	8X13X11.5



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