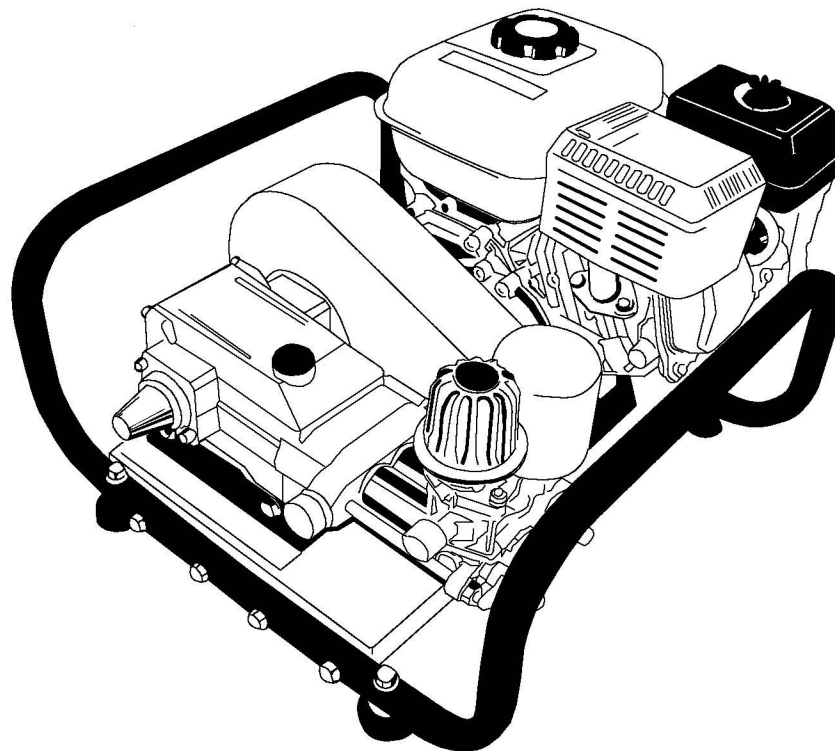


**MARUYAMA**

ILLUSTRATED PARTS LIST

**MS330ECH-2**

PUMP/ENGINE PACKAGE

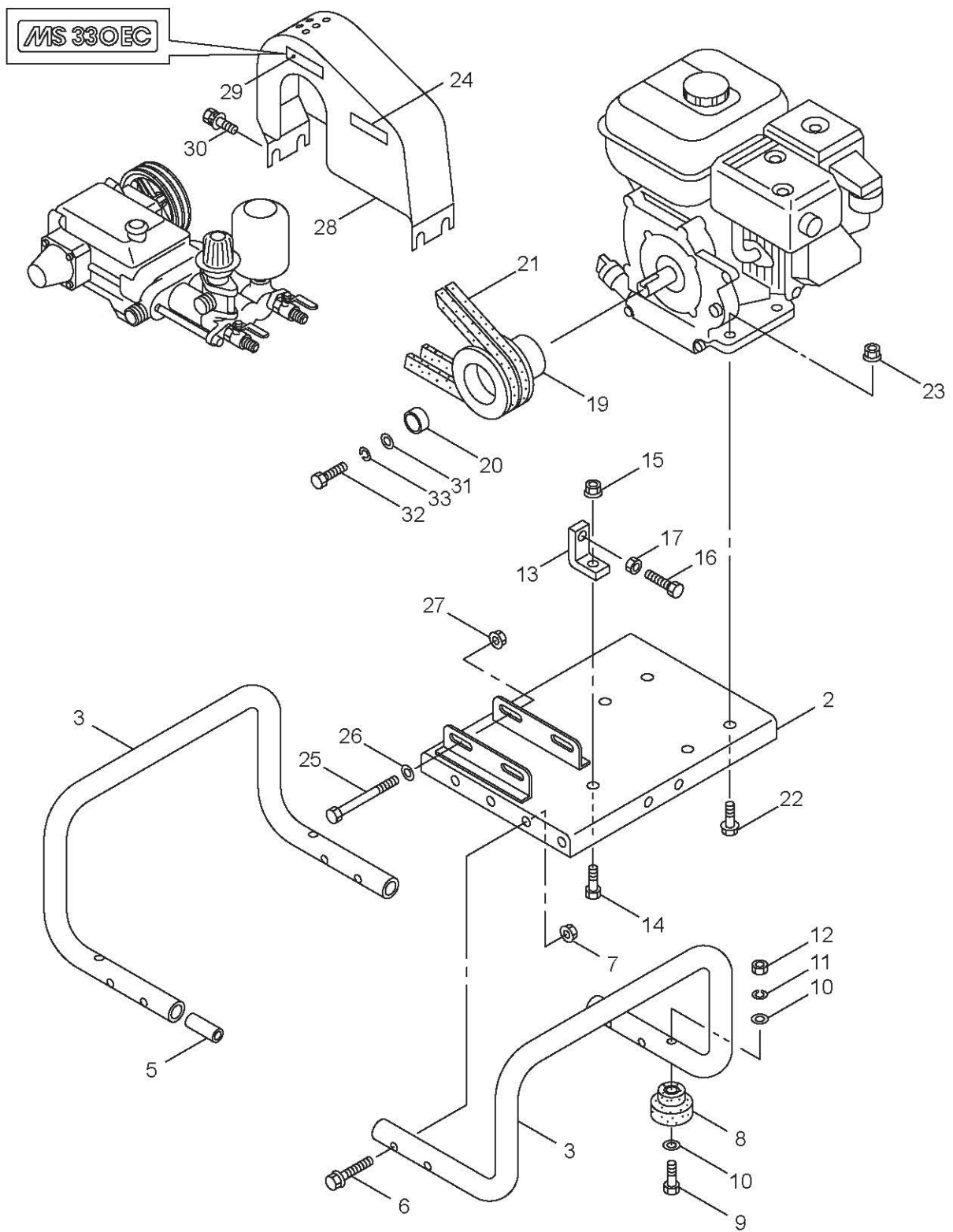


MS330ECH-2  
PUMP/ENGINE PACKAGE  
PART #522784 06/2009



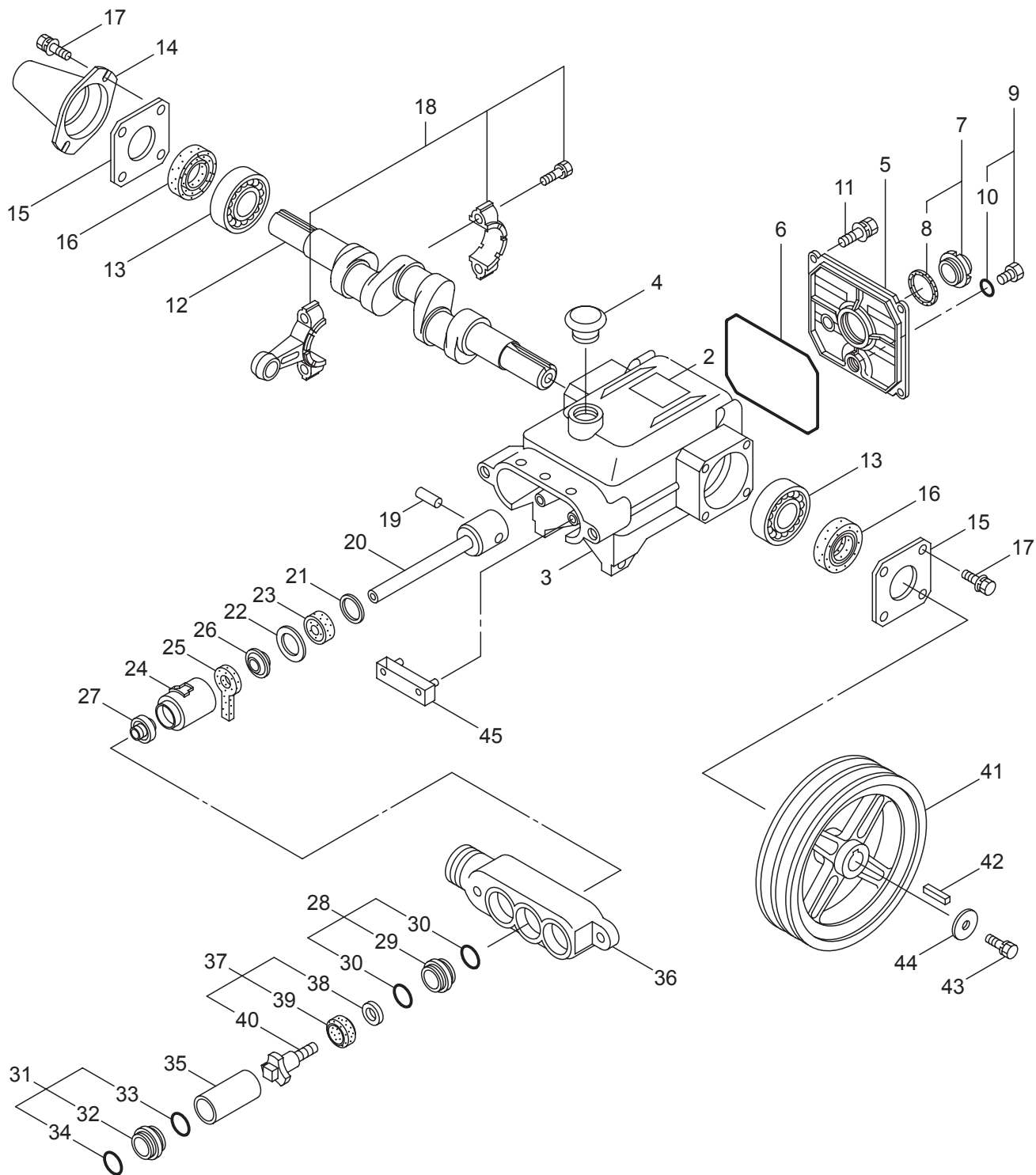
Maruyama. *E x t r a o r d i n a r y .*

1. MS330ECH-2  
MAIN BODY



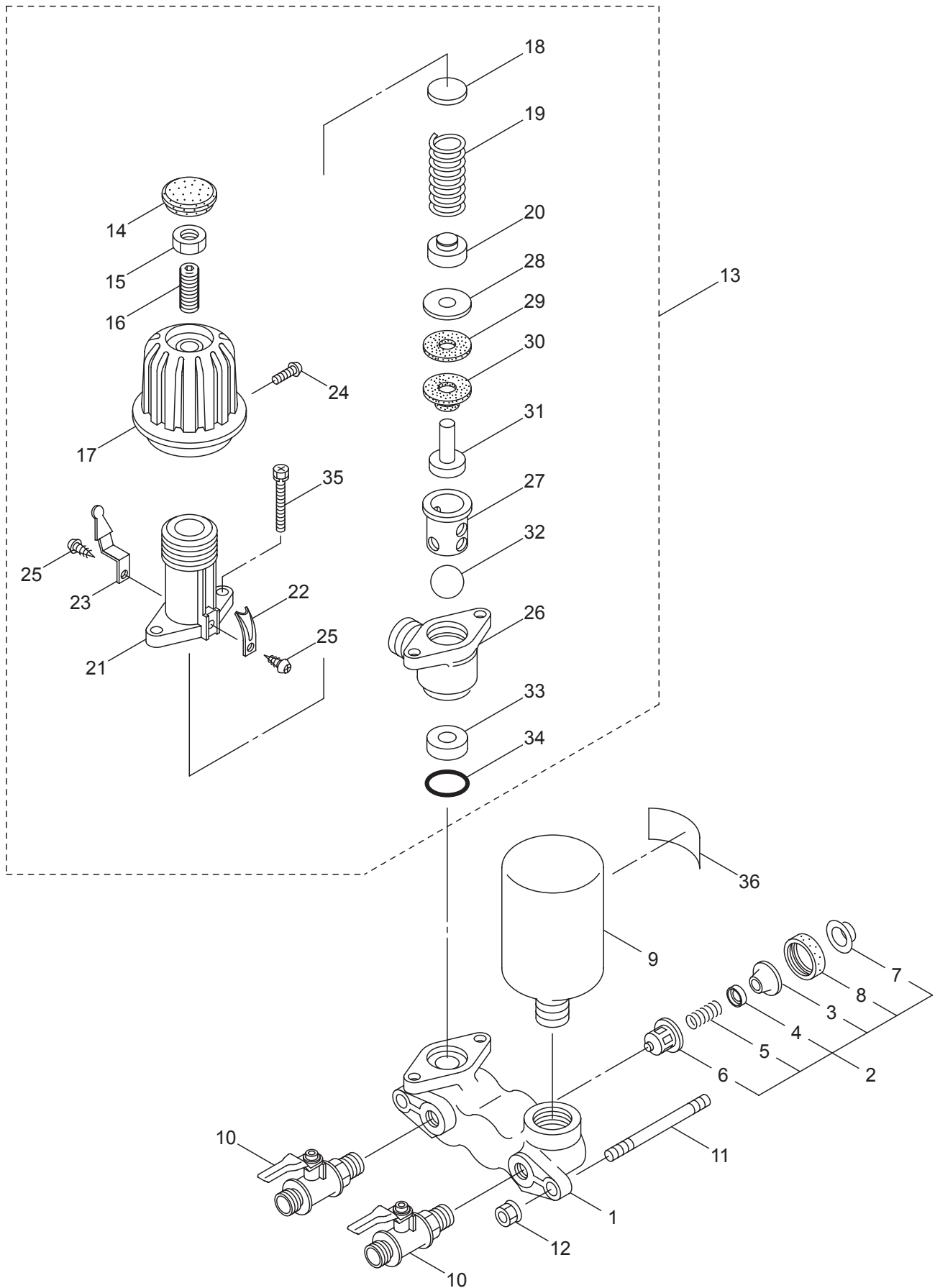
Ref. No.	Part No.	Part Name	Q'ty	Remarks
1-2	543615	Base	1	
1-3	543655	Handle	2	
1-5	549756	Pipe	2	17.9x21.7x56L
1-6	080143	Bolt	8	M8x40
1-7	126201	Nut	8	M8
1-8	544019	Buffer	4	
1-9	080151	Bolt	4	M8x50x22
1-10	127216	Washer	4	M8
1-11	126232	Spring Washer	4	M8
1-12	126521	Nut	4	M8
1-13	549757	Stay	1	
1-14	126529	Bolt	1	M8x20
1-15	126201	Nut	1	M8
1-16	549754	Bolt	1	M8x60
1-17	126521	Nut	1	M8
1-18	543273	Engine	1	GX120K1
1-19	114514	V-Pulley	1	72-Ax2
1-20	549758	Collar	1	25x34x10L
1-21	028862	V-Belt	2	A24
1-22	549532	Bolt	4	M8x35
1-23	126201	Nut	4	M8
1-24	123043	Label	1	
1-25	126200	Bolt	2	M8x115x30
1-26	127216	Washer	2	M8
1-27	126201	Nut	2	M8
1-28	543564	Belt Cover	1	
1-29	542108	Label	1	MS330EC
1-30	125824	Bolt	4	M6x16
1-31	090116	Washer	1	8.5x34x3.2
1-32	080129	Bolt	1	M8x25
1-33	126232	Spring Washer	1	M8

2. MS330ECH-2  
POWER SPRAYER (Crankcase, Suction Valve)



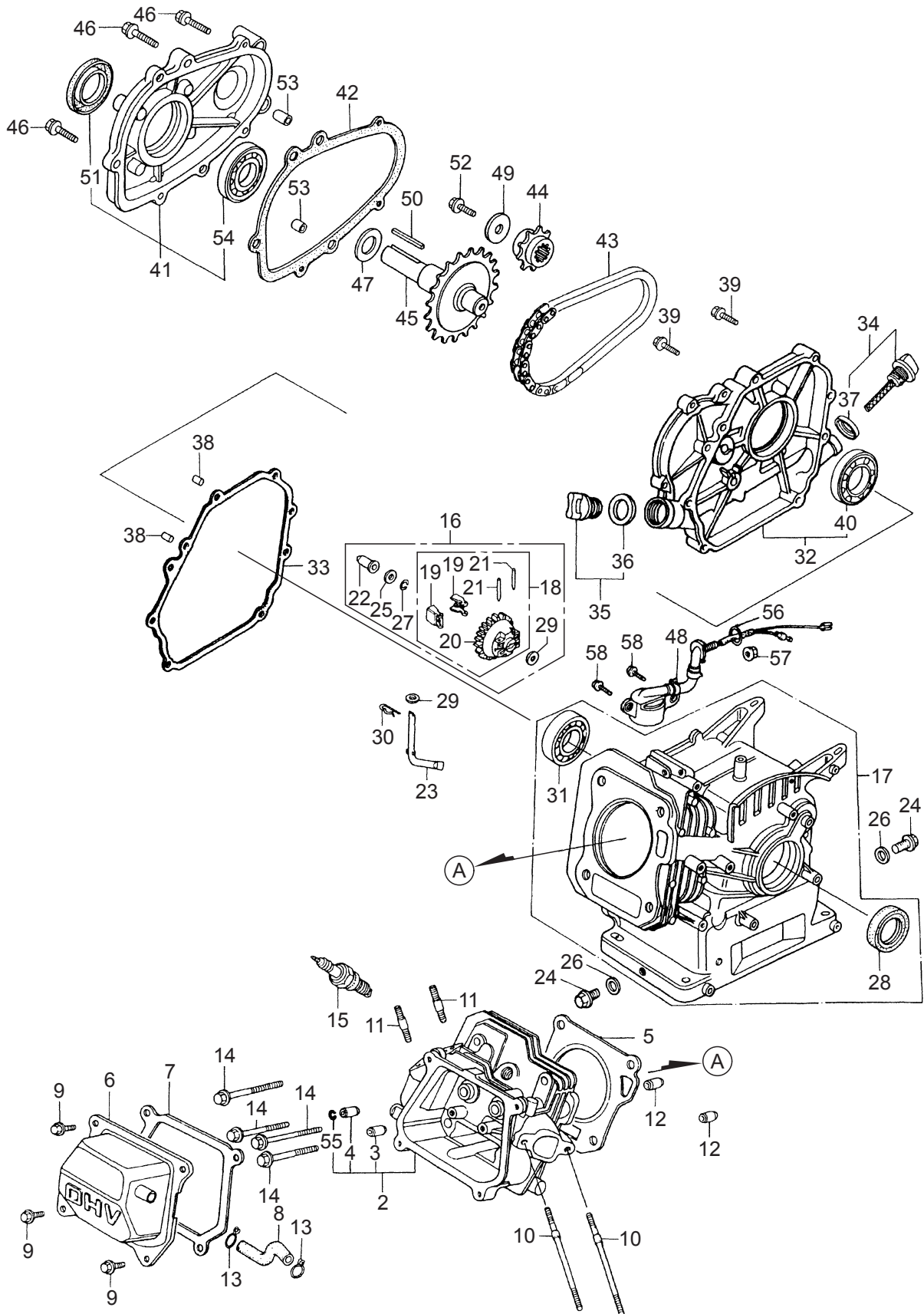
Ref. No.	Part No.	Part Name	Q'ty	Remarks
2-2	119691	Label	1	MS330
2-3	118176	Crankcase	1	
2-4	117420	Oil Filler Cap	1	
2-5	118646	Rear Cover, Crankcase	1	
2-6	014041	O-Ring	1	S100
2-7	092241	Oil Gauge Ass'y	1	Incl.8
2-8	044428	Packing	1	25x34xt2.5
2-9	091376	Drain Plug	1	Incl.10, G1/4
2-10	023170	O-Ring	1	P12.5
2-11	125824	Bolt	4	M6x16
2-12	103921	Crankshaft	1	
2-13	014487	Bearing	2	#6304
2-14	025130	Shaft Protector	1	
2-15	117424	Plate	2	
2-16	117423	Oil Seal	2	TC20528
2-17	125824	Bolt	4	M6x16
2-18	048734	Connecting Rod Ass'y	3	
2-19	016948	Piston Pin	3	9x22L
2-20	118183	Piston Rod	3	
2-21	126259	Washer	3	17x24xT1.2
2-22	126189	Washer	3	20x28xT1.2
2-23	025461	Oil Seal	3	S10.5247
2-24	027710	Seal Retainer	3	
2-25	027711	Felt Packing	3	
2-26	026853	Packing	3	
2-27	100015	Seal	3	
2-28	091109	Adapter Ass'y	3	Incl.29,30
2-29	016957	Adapter	3	
2-30	015862	O-Ring	6	P21
2-31	091108	Adapter Ass'y	3	Incl.32-34
2-32	022931	Adapter	3	
2-33	015862	O-Ring	3	P21
2-34	023172	O-Ring	3	P22
2-35	022929	Cylinder Pipe	3	25x28.5x55L
2-36	027713	Inlet Manifold	1	
2-37	620661	Inlet Valve Ass'y	3	Incl.38-40
2-38	124277	Inlet Valve Seat	3	6.1x20xt2.8
2-39	116121	Piston Packing	3	
2-40	118628	Piston Retainer	3	
2-41	100837	V-Pulley	1	152-Ax2
2-42	014543	Key	1	5x5x25L
2-43	126258	Bolt	1	M8x20
2-44	126198	Washer	1	8.5x30xT3.2
2-45	027712	Oil Pan	1	

3.MS330ECH-2  
 POWER SPRAYER (Pressure Regulator Valve)



Ref. No.	Part No.	Part Name	Q'ty	Remarks
3-1	118409	Discharge Manifold	1	
3-2	105510	Discharge Valve Ass'y	3	Incl.3-8
3-3	105511	Discharge Valve Seat	3	
3-4	022842	Discharge Valve	3	
3-5	022031	Spring	3	
3-6	105512	Retainer	3	
3-7	105513	Packing Ring	3	
3-8	105514	Valve Case	3	
3-9	117813	Air Chamber	1	
3-10	117609	Cock Ass'y	2	PF1/4xPT1/4
3-11	127331	Stud	2	M8x150x11x18
3-12	126201	Nut	2	M8
3-13	123042	Pressure Regulator Valve Ass'y	1	Incl.14-35
3-14	105518	Cap	1	
3-15	126195	Nut	1	M10
3-16	088975	Screw	1	M10x48
3-17	118662	Grip	1	
3-18	126196	Retainer	1	17x2.3
3-19	105520	Spring	1	
3-20	105521	Retainer	1	
3-21	117448	Case	1	
3-22	117440	Plate	1	
3-23	105524	Indicator	1	
3-24	089899	Tapping Screw	2	M4x13
3-25	082744	Screw	2	M4x6
3-26	118237	Body	1	
3-27	012256	Retainer	1	
3-28	012255	Washer	1	6.2x22xt0.6
3-29	101922	Bellows Packing	1	5x22xt1.5, FPM
3-30	060555	Bellows	1	FPM
3-31	016975	Valve Rod	1	
3-32	107238	Valve Ball	1	12.7(1/2)
3-33	117443	Valve Seat	1	
3-34	014179	O-Ring	1	P20
3-35	126197	Bolt	2	M6x55
3-36	123041	Label	1	

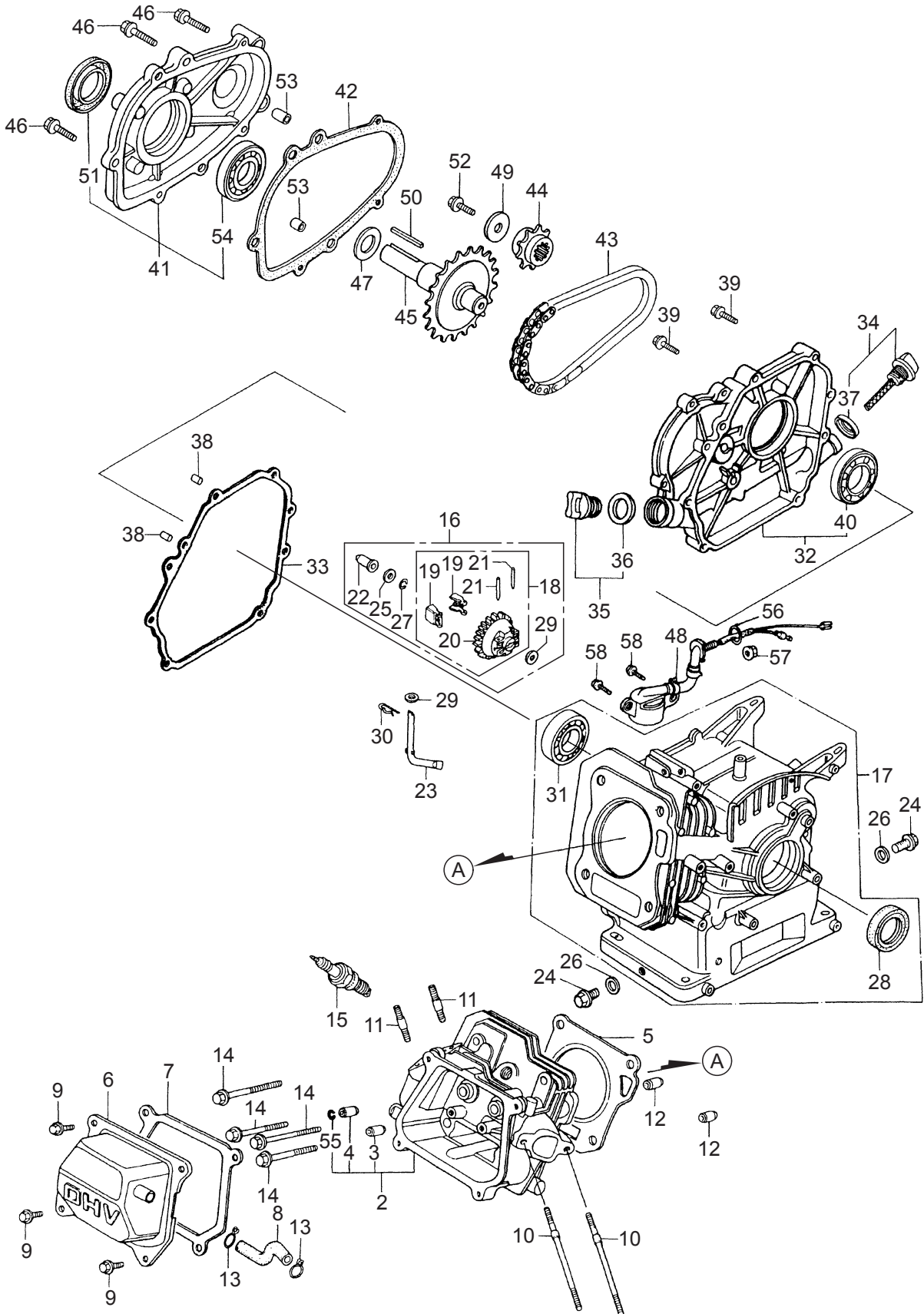
4. MS330ECH-2  
ENGINE (Cylinder Barrel, Cylinder Head)





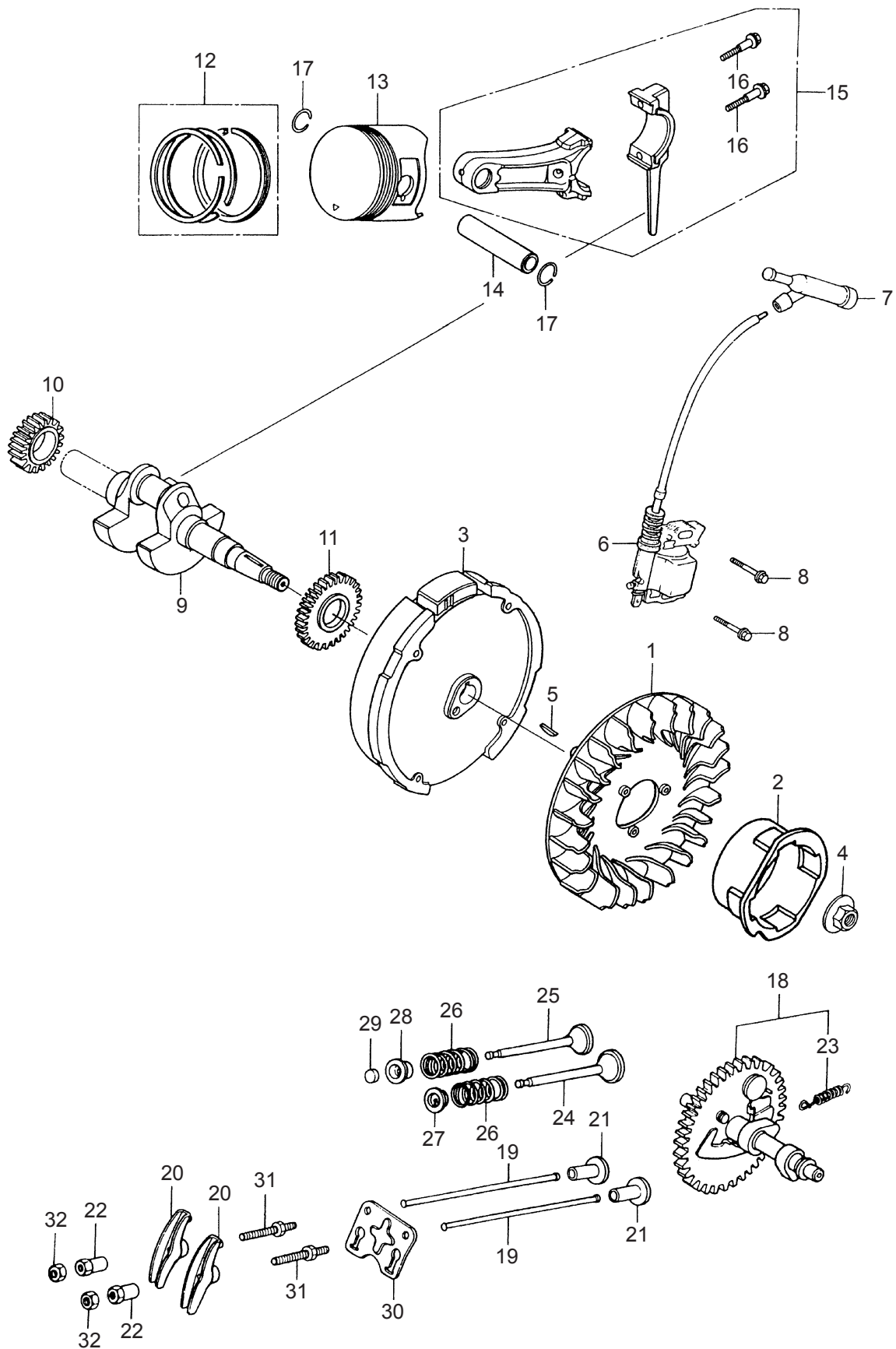
Ref. No.	Part No.	Part Name	Q'ty	Remarks
4-2	620733	Cylinder Head Ass'y	1	Incl.3,4,55 122A1-ZH7-000
4-3	620734	Inlet Valve Guide	1	12204-ZE1-306
4-4	583642	Exhaust Valve Guide	1	12205-ZE1-315
4-5	620735	Cylinder Head Gasket	1	12251-ZH7-800
4-6	625222	Head Cover Ass'y	1	12310-ZE1-010
4-7	583645	Head Cover Packing	1	12391-ZE1-000
4-8	625223	Breather Tube	1	15721-ZH8-000
4-9	990467	Flange Bolt	4	6X12 90013-883-000
4-10	625224	Stud Bolt	2	90043-ZE1-020
4-11	583649	Stud Bolt	2	90047-ZE1-000
4-12	583650	Dowel Pin	2	94301-10160
4-13	583651	Tube Clip	2	95002-80000
4-14	620737	Flange Bolt	4	95723-0805500
4-15	625225	Spark Plug	1	BPR6ES NGK 98079-56846
4-16	583654	Governor Kit	1	Incl.18-22,25,27,29 06165-ZE1-000
4-17	625226	Cylinder Barrel Ass'y	1	Incl.28,31 12000-ZH7-810
4-18	583656	Governor Ass'y	1	Incl.19-21 16510-ZE1-000
4-19	583657	Governor Weight	2	16511-ZE1-000
4-20	583658	Governor Weight Holder	1	16512-ZE1-000
4-21	998195	Governor Weight Pin	2	16513-ZE1-000
4-22	583659	Governor Slider	1	16531-ZE1-000
4-23	583660	Governor Arm Shaft	1	16541-ZE1-000
4-24	998200	Drain Plug Bolt	2	90131-ZE1-000
4-25	620739	Thrust Washer	1	90451-ZE1-000
4-26	998199	Drain Plug Washer	2	90601-ZE1-000
4-27	583662	Governor Holder Clip	1	90602-ZE1-000
4-28	620740	Oil Seal	1	91202-ZE6-003
4-29	990493	Plain Washer	2	94101-06800
4-30	990496	Lock Pin	1	94251-08000
4-31	620741	Radial Ball Bearing	1	91001-878-003
4-32	620742	Crankcase Cover Ass'y	1	Incl.40 11300-ZE0-612
4-33	620743	Case Cover Packing	1	11381-ZE0-000
4-34	620744	Oil Filler Cap Ass'y	1	Incl.37 15600-ZE1-003
4-35	620745	Oil Filler Cap Ass'y	1	Incl.36 15600-ZG4-003
4-36	620747	Oil Filler Cap Packing	1	15625-ZE1-003
4-37	620747	Oil Filler Cap Packing	1	15625-ZE1-003
4-38	990497	Dowel Pin	2	8X14 94301-08140
4-39	998198	Flange Bolt	7	90015-883-000
4-40	620741	Radial Ball Bearing	1	91001-878-003
4-41	583672	Chain Case Cover Ass'y	1	Incl.51,54 11500-ZE1-610
4-42	620748	Chain Case Cover Packing	1	11521-ZH8-800
4-43	620749	Chain	1	14411-ZE0-611
4-44	620760	Drive Sprocket	1	23110-ZE0-610
4-45	620761	P.T.O. Shaft	1	23710-ZE0-613

4. MS330ECH-2  
ENGINE (Cylinder Barrel, Cylinder Head)



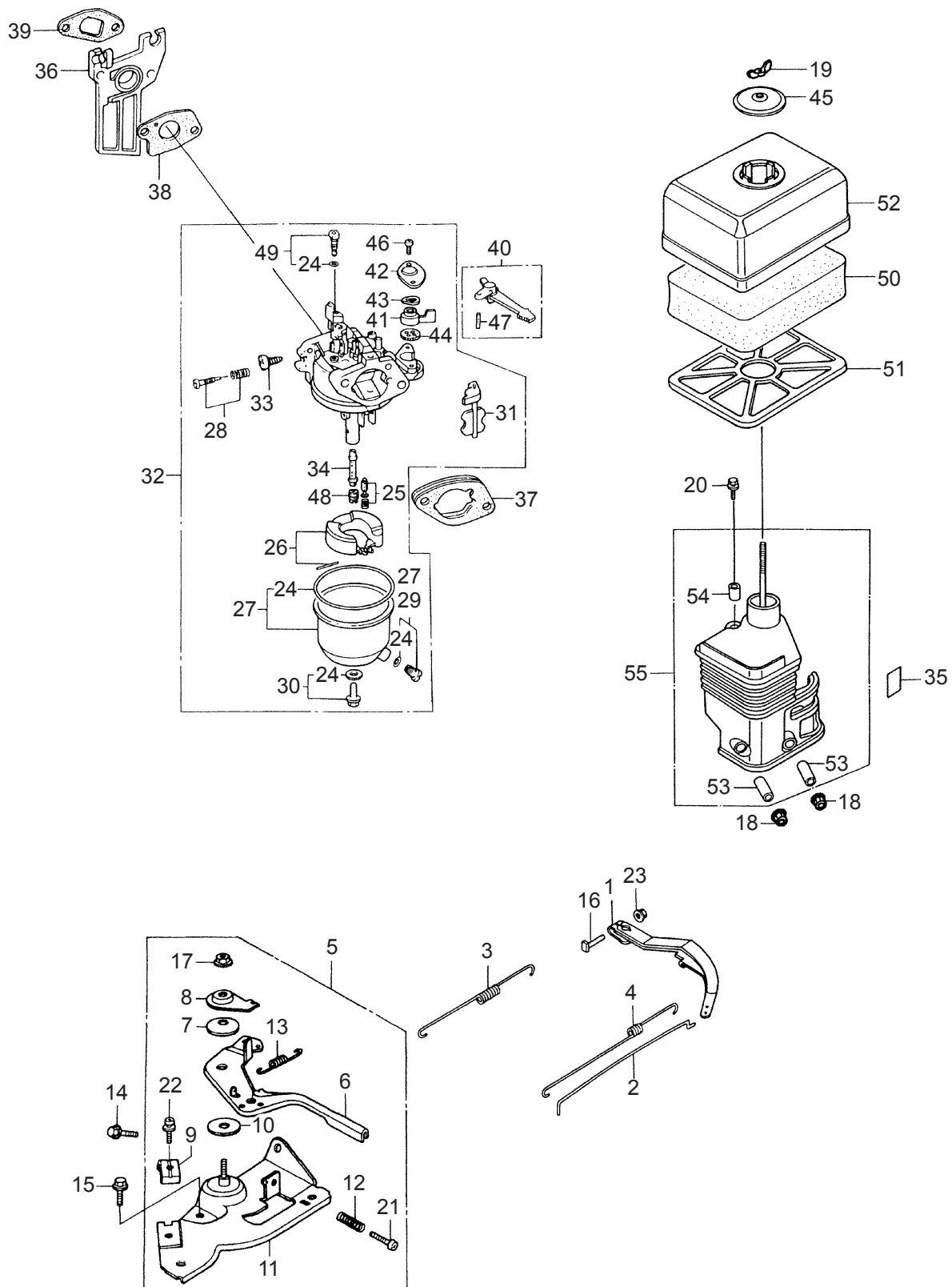
Ref. No.	Part No.	Part Name	Q'ty	Remarks
4-46	998198	Flange Bolt	5	90015-883-000
4-47	583677	Thrust Spring	1	90456-ZE1-000
4-48	625227	Switch Ass'y	1	15510-ZE1-003
4-49	583679	Washer	1	90471-ZE1-610
4-50	620762	Key	1	5x5x33 90741-883-810
4-51	583663	Oil Seal	1	91202-883-005
4-52	620763	Bolt	1	92000-080250A
4-53	990497	Dowel Pin	2	8X14 94301-08140
4-54	583664	Radial Ball Bearing	1	96100-6205000
4-55	620736	Clip	1	12216-ZE5-300
4-56	625228	O-Ring	1	91353-671-004
4-57	625229	Flange Nut	1	94050-10000
4-58	625230	Flange Bolt	2	95701-06012-00

5. MS330ECH-2  
ENGINE (Crankshaft, Ignition Coil, Valve)



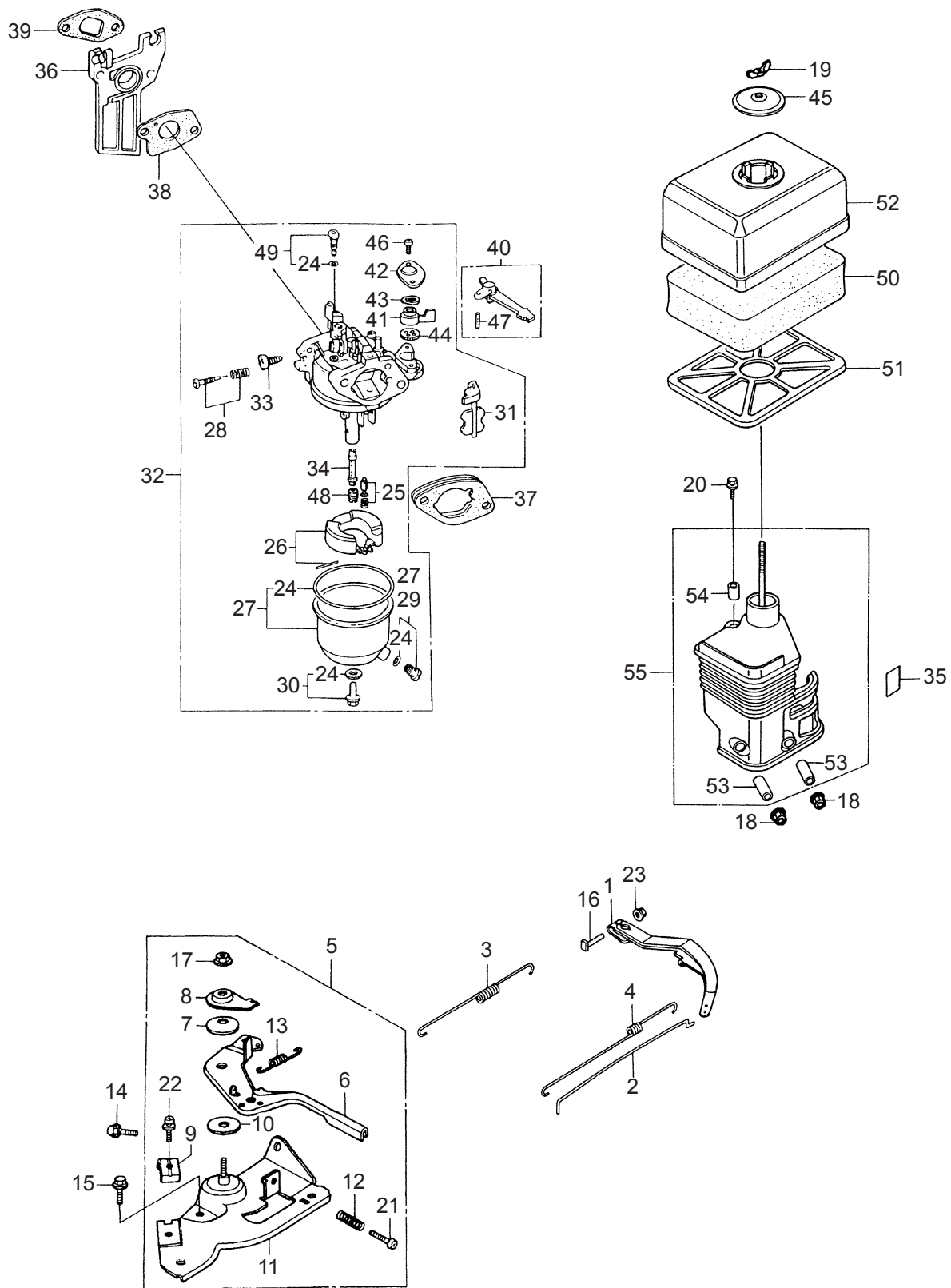
Ref. No.	Part No.	Part Name	Q'ty	Remarks
5-1	620764	Cooling Fan	1	19511-ZE0-000
5-2	620765	Starter Pulley	1	28451-ZH8-003
5-3	625231	Flywheel Ass'y	1	31100-ZE0-010
5-4	583685	Special Nut	1	90201-878-003
5-5	583686	Special Woodruff Key	1	13331-357-000
5-6	625232	Ignition Coil Ass'y	1	30500-ZE1-033
5-7	625233	Cap Ass'y	1	30700-ZE1-013
5-8	998214	Flange Bolt	2	6X25 90121-952-000
5-9	620769	Crankshaft Ass'y	1	13310-ZE0-610
5-10	620770	Timing Gear	1	14311-ZE0-300
5-11	620771	Governor Drive Gear	1	16505-ZE0-300
5-12	620772	Piston Ring Set	1	13010-ZE6-013
5-13	620773	Piston	1	13101-ZH7-000
5-14	620774	Piston Pin	1	13111-ZE0-000
5-15	620775	Connecting Rod Ass'y	1	Incl.16 13200-ZE0-000
5-16	583696	Connecting Rod Bolt	2	90001-ZE1-000
5-17	620776	Piston Pin Clip	2	90551-ZE0-000
5-18	620777	Camshaft Ass'y	1	Incl.23 14100-ZE0-812
5-19	620818	Push Rod	2	14410-ZE0-010
5-20	583700	Valve Rocker Arm	2	14431-ZE1-000
5-21	625234	Valve Lifter	2	14441-ZE1-010
5-22	583702	Rocker Arm Pivot	2	14451-ZE1-003
5-23	583703	Weight Return Spring	1	14568-ZE1-000
5-24	620819	Inlet Valve	1	14711-ZF0-000
5-25	620820	Exhaust Valve	1	14721-ZF0-000
5-26	620821	Valve Spring	2	14751-ZF1-000
5-27	583707	Retainer	1	14771-ZE1-000
5-28	583708	Retainer	1	14773-ZE1-000
5-29	583709	Valve Rotator	1	14781-ZE1-000
5-30	620822	Push Rod Guide Plate	1	14791-ZE0-010
5-31	583711	Pivot Bolt	2	90012-ZE0-010
5-32	583712	Pivot Adjusting Nut	2	90206-ZE1-000

6. MS330ECH-2  
ENGINE (Air Cleaner, Carburetor, Governor)



Ref. No.	Part No.	Part Name	Q'ty	Remarks
6-1	620823	Governor Arm	1	16551-ZE0-010
6-2	620824	Governor Rod	1	16555-ZE0-000
6-3	620825	Governor Spring	1	16561-ZE0-020
6-4	620826	Throttle Return Spring	1	16562-ZE0-020
6-5	620827	Control Ass'y	1	Incl.6-13,17,21,22 16500-ZH7-820
6-6	620828	Control Lever	1	16571-ZH7-000
6-7	998280	Lever Spring	1	16574-ZE1-000
6-8	620829	Control Lever Washer	1	16575-ZH8-000
6-9	990418	Cable Holder	1	16576-891-000
6-10	998278	Control Lever Spacer	1	16578-ZE1-000
6-11	620830	Control Base Comp.	1	16580-ZH7-810
6-12	990419	Control Adjusting Spring	1	16584-883-300
6-13	583721	Cable Return Spring	1	16592-ZE1-810
6-14	583762	Flange Bolt	1	90022-888-010
6-15	990467	Flange Bolt	1	6X12 90013-883-000
6-16	583723	Governor Arm Bolt	1	90015-ZE5-010
6-17	583724	Self Lock Nut	1	90114-SA0-000
6-18	990487	Flange Nut	2	94050-06000
6-19	990471	Wingnut	1	90325-044-000
6-20	583756	Bolt	1	93494-0602008
6-21	620831	Pan Screw	1	93500-050250H
6-22	620832	Pan Screw	1	93500-05016-0A
6-23	990487	Flange Nut	1	94050-06000
6-24	620833	Gasket Set	1	Incl.44 16010-ZE0-025
6-25	998250	Float Valve Set	1	16011-ZE0-005
6-26	583729	Float Set	1	16013-ZE0-005
6-27	583730	Float Chamber Set	1	Incl.29 16015-ZE1-811
6-28	998257	Pilot Screw Set	1	16016-ZE0-005
6-29	998255	Drain Screw Set	1	Incl.24 16024-ZE1-811
6-30	583731	Screw Set	1	16028-ZE0-005
6-31	583732	Choke Set	1	16044-ZE0-005
6-32	625235	Carburetor Ass'y	1	16100-ZH7-W50
6-33	998258	Throttle Stop Screw	1	16124-ZE0-005
6-34	620835	Main Nozzle	1	16166-ZH7-820
6-35	620846	Choke Mark	1	87528-ZE1-810
6-36	620837	Insulator	1	16211-ZE0-000
6-37	583737	Carburetor Spacer Comp.	1	16220-ZE1-020
6-38	625236	Carburetor Packing	1	16221-ZH8-801
6-39	620839	Insulator Packing	1	16212-ZH7-800
6-40	583740	Choke Lever Comp.	1	Incl.47 16610-ZE1-000
6-41	583741	Cock Lever	1	16953-ZE1-811
6-42	998266	Lever Setting Plate	1	16954-ZE1-811
6-43	998265	Cock Lever Spring	1	16956-ZE1-811
6-44	620840	Gasket,Petcock	1	16957-ZE1-812
6-45	583752	Cleaner Cap	1	17421-ZE1-000

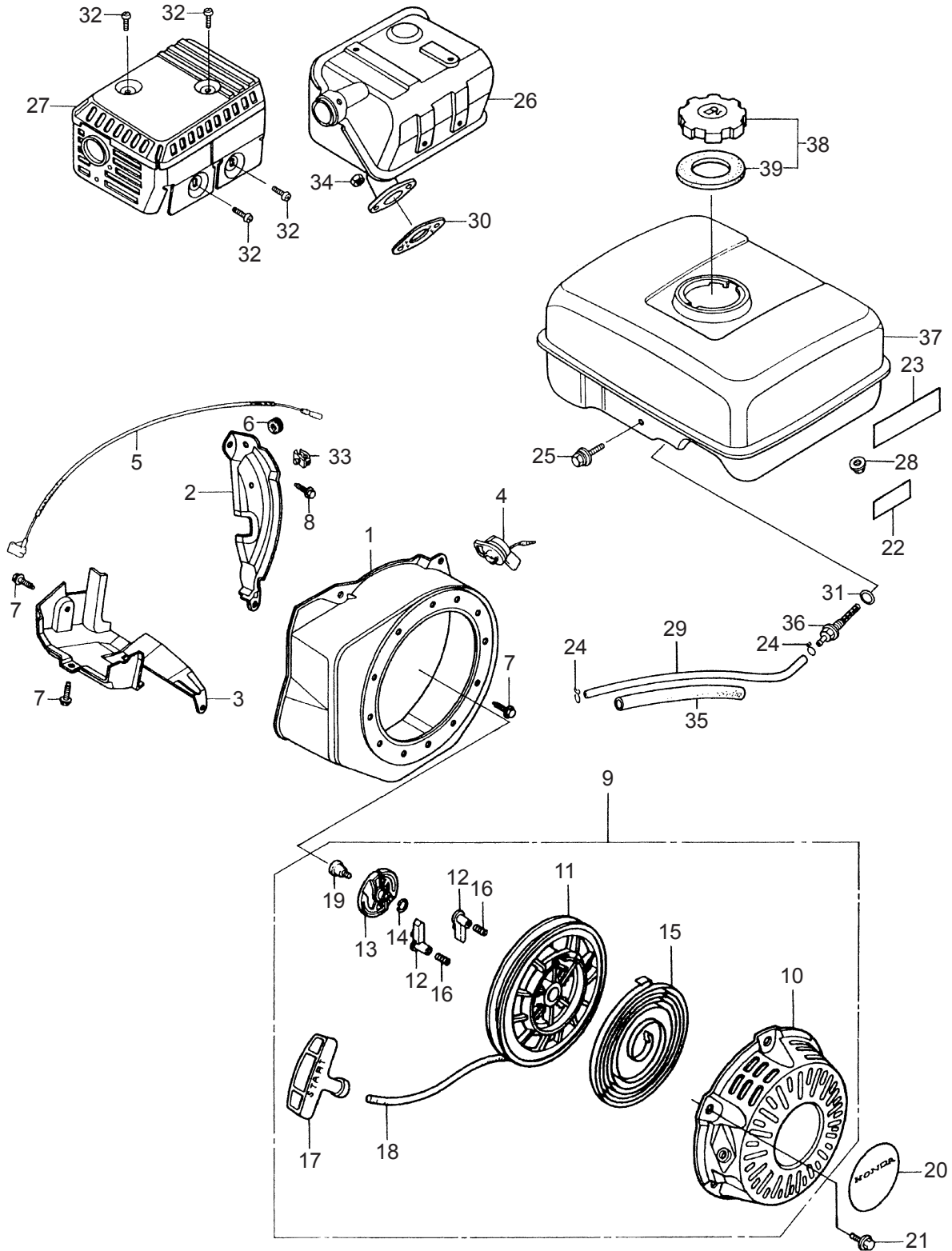
6. MS330ECH-2  
ENGINE (Air Cleaner, Carburetor, Governor)





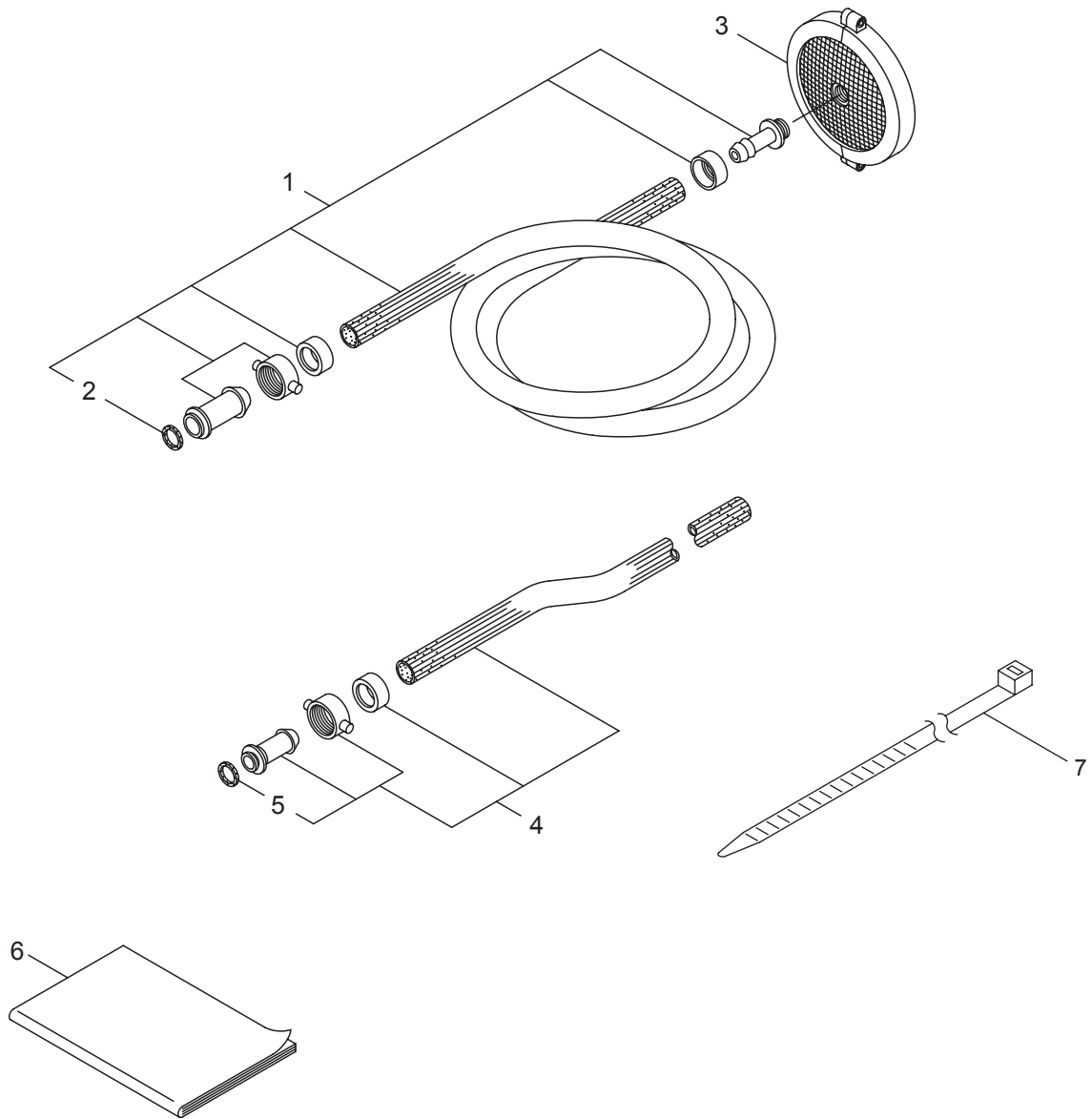
Ref. No.	Part No.	Part Name	Q'ty	Remarks
6-46	620841	Pan Screw	2	93500-030081G
6-47	583744	Spring Pin	1	94305-20122
6-48	625237	Main Jet	1	#55 99101-ZH70550
6-49	998260	Pilot Jet Set	1	Incl.24 #35 99204-ZE0-0350
6-50	583746	Air Cleaner Element	1	17211-ZE1-000
6-51	583747	Air Cleaner Grid	1	17212-ZE1-000
6-52	620843	Air Cleaner Cover	1	17231-ZE0-000
6-53	620844	Air Cleaner Collar	2	17238-ZE0-010
6-54	583750	Air Cleaner Collar B	1	17239-ZE1-000
6-55	620845	Air Cleaner Elbow Comp.	1	Incl.53,54 17410-ZE0-030

7. MS330ECH-2  
ENGINE (Fuel Tank, Recoil Starter, Muffler)



Ref. No.	Part No.	Part Name	Q'ty	Remarks
7-1	620848	Fan Cover Comp.	1	19610-ZE0-000ZA
7-2	625238	Side Plate	1	19612-ZH7-810
7-3	625239	Shroud Comp.	1	19630-ZH7-000
7-4	625240	Stop Switch Ass'y	1	36100-ZH7-003
7-5	620851	Stop Switch Cord	1	36101-ZE1-010
7-6	620852	Grommet	1	11347-371-300
7-7	990467	Flange Bolt	6	6X12 90013-883-000
7-8	583762	Flange Bolt	1	90022-888-010
7-9	620853	Recoil Starter Ass'y	1	Incl.10-19 28400-ZH8-013ZA
7-10	620854	Recoil Starter Case Comp.	1	28410-ZH8-003ZA
7-11	620856	Recoil Starter Reel	1	28420-ZH8-013
7-12	620857	Starter Ratchet	2	28422-ZH8-013
7-13	620858	Ratchet Guide	1	28433-ZH8-003
7-14	620859	Friction Spring	1	28441-ZH8-003
7-15	620860	Recoil Starter Spring	1	28442-ZH8-003
7-16	620861	Return Spring	2	28443-ZH8-003
7-17	620862	Recoil Starter Knob	1	28461-ZH8-003
7-18	620863	Recoil Starter Rope	1	28462-ZH8-003
7-19	620864	Setting Screw	1	90003-ZH8-003
7-20	620865	Emblem	1	87521-ZH7-010
7-21	586568	Flange Bolt	3	95701-06008-00
7-22	625241	Label	1	87532-ZH8-810
7-23	620847	Label	1	87522-ZH9-000
7-24	990499	Tube Clip	2	95002-02080
7-25	583796	Flange Bolt	1	95900-0602500
7-26	620866	Muffler Ass'y	1	18310-ZF1-000
7-27	620867	Muffler Protector	1	18320-ZF1-H01
7-28	990487	Flange Nut	2	94050-06000
7-29	583795	Fuel Tube	1	95001-4514040
7-30	620868	Muffler Gasket	1	18381-ZH8-800
7-31	583794	O-Ring	1	91353-671-004
7-32	583785	Tapping Screw	4	90050-ZE1-000
7-33	625242	Clip	1	90601-ZH7-013
7-34	583787	Nut	2	94001-080000S
7-35	620869	Supporter Rubber	1	16854-ZH8-000
7-36	583789	Fuel Tank Joint	1	16955-ZE1-000
7-37	620870	Fuel Tank Comp.	1	17510-ZE0-020ZA
7-38	620871	Fuel Filler Cap Comp.	1	Incl.39 17620-ZH7-013
7-39	620872	Gasket,Fuel Filler Cap	1	17631-ZH7-003

8. MS330ECH-2  
ACCESSORIES



Ref. No.	Part No.	Part Name	Q'ty	Remarks
8-1	105936	Suction Hose Ass'y	1	Incl.2
8-2	103686	Packing	1	18.5x24xt2
8-3	122017	Suction Strainer Ass'y	1	
8-4	104344	Spill Hose Ass'y	1	Incl.5
8-5	103685	Packing	1	12x18.5xt1.5
8-6	119675	Instruction Manual	1	
8-7	107107	Band	1	



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