



OPTIONAL ATTACHMENTS & ACCESSORIES

Accessories

90090	Driveshaft Assembly S/N: 05005929 - 05999999
99946400020	Power Pruner 5 Foot Orange Extension

Attachments

99946400040	Hedger Accessory
99946400050	Power Pruner Circle Saw Accessory
99946400060	Hedge Clipper Attachment

Guide Bars

1080373301	Guide Bar - 8" (.050" Ga)
1100373901	Guide Bar - 10" (.043" Ga)
1101373901	Guide Bar - 10" (.050" Ga)
1102373901	Guide Bar - 10" (.050" Ga) -- Intenz
1120374401	Guide Bar - 12" (.050" Ga)
1121374401	Guide Bar - 12" (.050" Ga)
1122374401	Guide Bar - 12" (.050" Ga) -- Intenz

Sawing Chains

1907039	Sawing Chain - 10" (.043" Ga) -- Micro-Lite
1907044	Sawing Chain - 12" (.043" Ga) -- Micro-Lite
1917033	Sawing Chain - 8" (.050" Ga) -- Low Profile
1917039	Sawing Chain - 10" (.050" Ga) -- Low Profile
1917044	Sawing Chain - 12" (.050" Ga) -- Low Profile

Maintenance and Repair Kits

90093	Gear Case/Oiler Assembly
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PARTS CATALOG

PPT-230 Power Pruner

22.8cc

SERIAL NUMBERS

S/N: 05001001 - 05999999

ECHO, INCORPORATED

400 Oakwood Road Lake Zurich, Illinois 60047 USA

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Table of Contents

Click Any Diagram Description Below To View That Diagram.

PPT-230 S/N: 05001001 - 05999999

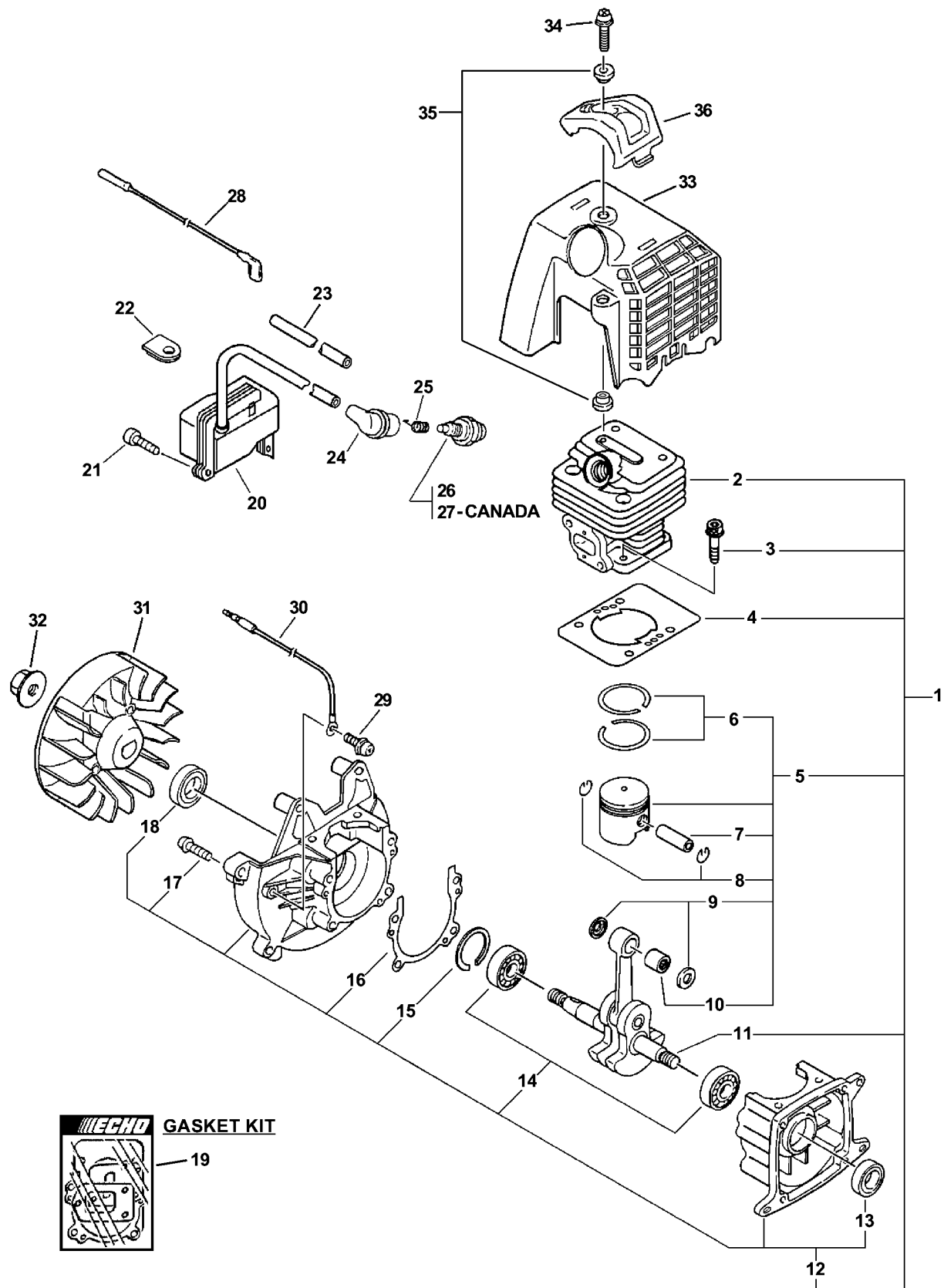
Engine, Short Block, Ignition, Cylinder Cover.....	4
Fancase, Clutch, Fuel System, Starter.....	6
Intake.....	8
Carburetor -- RB-K66B S/N: 05001001 - 05006451.....	10
Carburetor -- RB-K70 S/N: 05006452 - 05008076.....	12
Carburetor -- RB-K70A S/N: 05008077 - 05999999.....	14
Exhaust.....	16
Gear Case, Auto-Oiler, Bar and Chain.....	18
Main Pipe, Throttle Cable, Stop Switch S/N: 03002774-05999999.....	20
Driveshaft, Connector S/N: 05001001 - 05005928.....	22
Driveshaft, Connector S/N: 05005929 - 05010282.....	24
Driveshaft, Connector S/N: 05010283 - 05999999.....	26
Main Pipe -- Upper.....	28
RePower Tune-Up Kit.....	30
Part Number Index.....	32
Part Description Index.....	33



Service Publications

This Section Lists Important Service Publications Relating To The Models Included In This Manual.

Literature Type	Literature Title
Parts Bulletin	02-05 -- Power Pruner Identification Guide
Parts Bulletin	03-02R3 -- Lower Drive Shaft Improvements
Parts Bulletin	04-09R1 -- Replacement Drive Shaft Assembly
Parts Bulletin	04-12 -- Lower Drive Shaft Improvements
Parts Manual	PPT 230 S/N: 05001001 - 05999999
Service Bulletin	02-02R2 -- Emission Adjustment Carburetor RB-K65, 66, 67A
Service Bulletin	03-06R3 -- Emission: Adjustment Carburetor RB-K70
Service Bulletin	04-08 -- High Speed Needle Adjustment Carburetor RB-K70A
Service Bulletin	04-18R1 -- BPM-8Y Spark Plug Required Use Procedure
Service Bulletin	04-22R1 -- Lower Replacement Flex Cable
Service Bulletin	05-01 -- Power Pruner Upper Driveshaft
Service Bulletin	07-06 -- Emission Engine Compression Range Test Chart



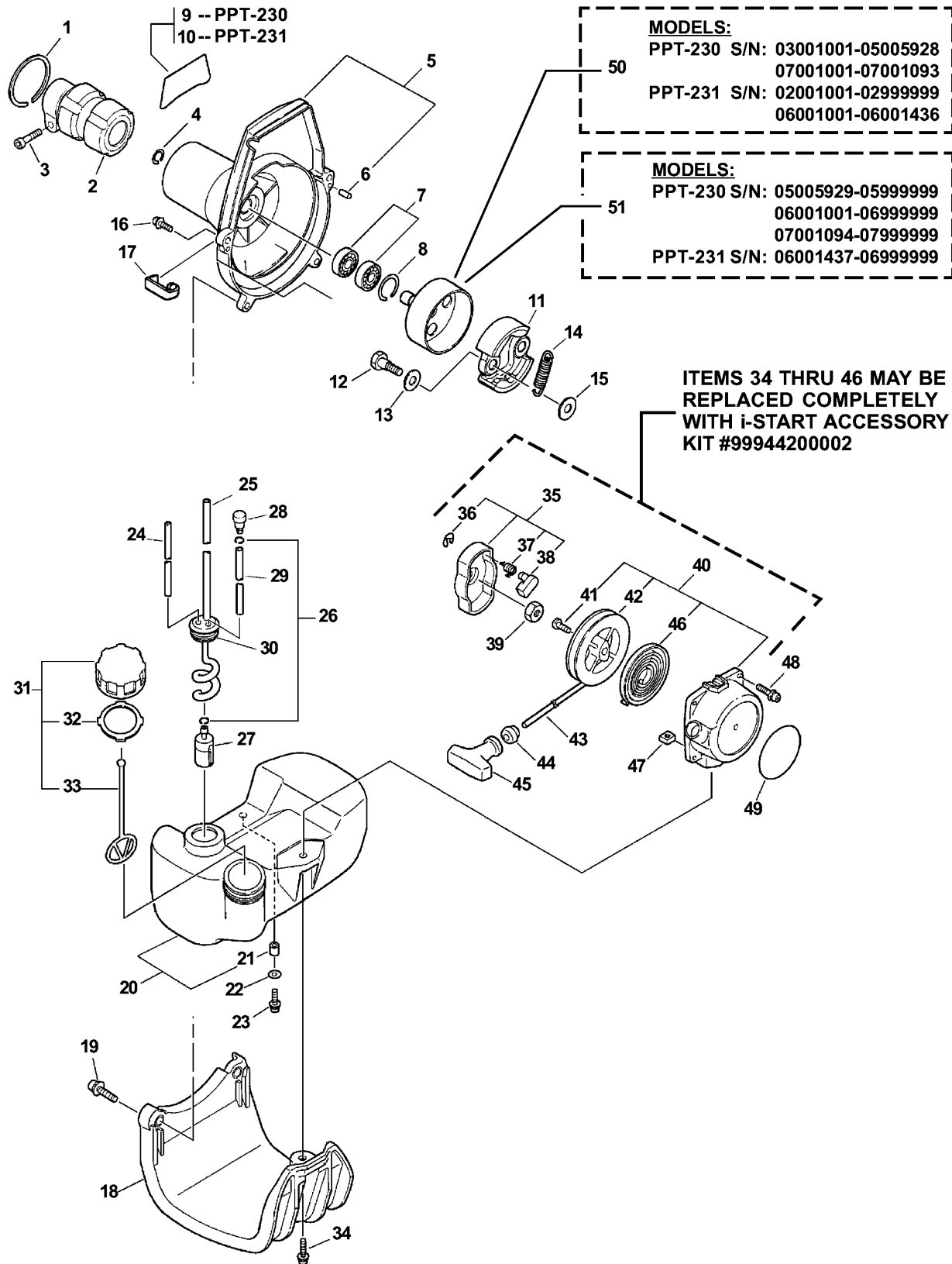
PPT-230 Power Pruner

Engine, Short Block, Ignition, Cylinder Cover

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	SB1061	1	SHORT BLOCK	INCLUDES ITEMS 2-18
2	A130000341	1	CYLINDER	
3	90016205022	4	SCREW 5X22	
4	V100000060	1	GASKET, CYLINDER ¹	
5	P021001101	1	PISTON KIT	INCLUDES ITEMS 6-9
6	A101000000	2	RING, PISTON	
7	10001311520	1	PIN, PISTON	
8	10001504630	2	CIRCLIP, PISTON PIN	
9	10001411520	2	SPACER, PISTON PIN	
10	V553000010	1	BEARING, NEEDLE	
11	A011000042	1	CRANKSHAFT ASY	
12	P021000940	1	CRANKCASE KIT	INCLUDES ITEMS 13-18
13	10021305530	1	OIL SEAL	
14	90080036001	2	BEARING, BALL 6001	
15	90070200028	1	CIRCLIP 28	
16	10024255930	1	GASKET, CRANKCASE ¹	
17	90016205025	4	SCREW 5X25	
18	10021228230	1	OIL SEAL	
19	P021003900	1	GASKET KIT	
20	A411000110	1	COIL, IGNITION	
21	90016205016	2	SCREW 5X16	
22	15611240630	1	GROMMET	
23	V475002200	1	TUBE, INSULATOR	
24	15901203433	1	CAP, SPARK PLUG	
25	15901103432	1	TERMINAL, SPARK PLUG CAP	
26	15901019830	1	SPARK PLUG -- BPM-8Y	
27	A425000000	1	SPARK PLUG -- BPMR-8Y	CANADA MODELS
28	16201056430	1	LEAD, GROUND	
29	90024205010	1	SCREW 5X10	
30	16201452930	1	LEAD, GROUND	
31	A409000130	1	FLYWHEEL	
32	90051500008	1	FLANGE NUT 8	
33	A160000060	1	COVER, ENGINE -- ORANGE	
34	9111005016	1	SCREW 5X16	
35	V353000020	2	COLLAR 5	
36	A162000000	1	GUARD, TOP	

Footnotes

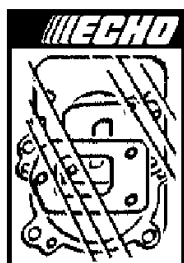
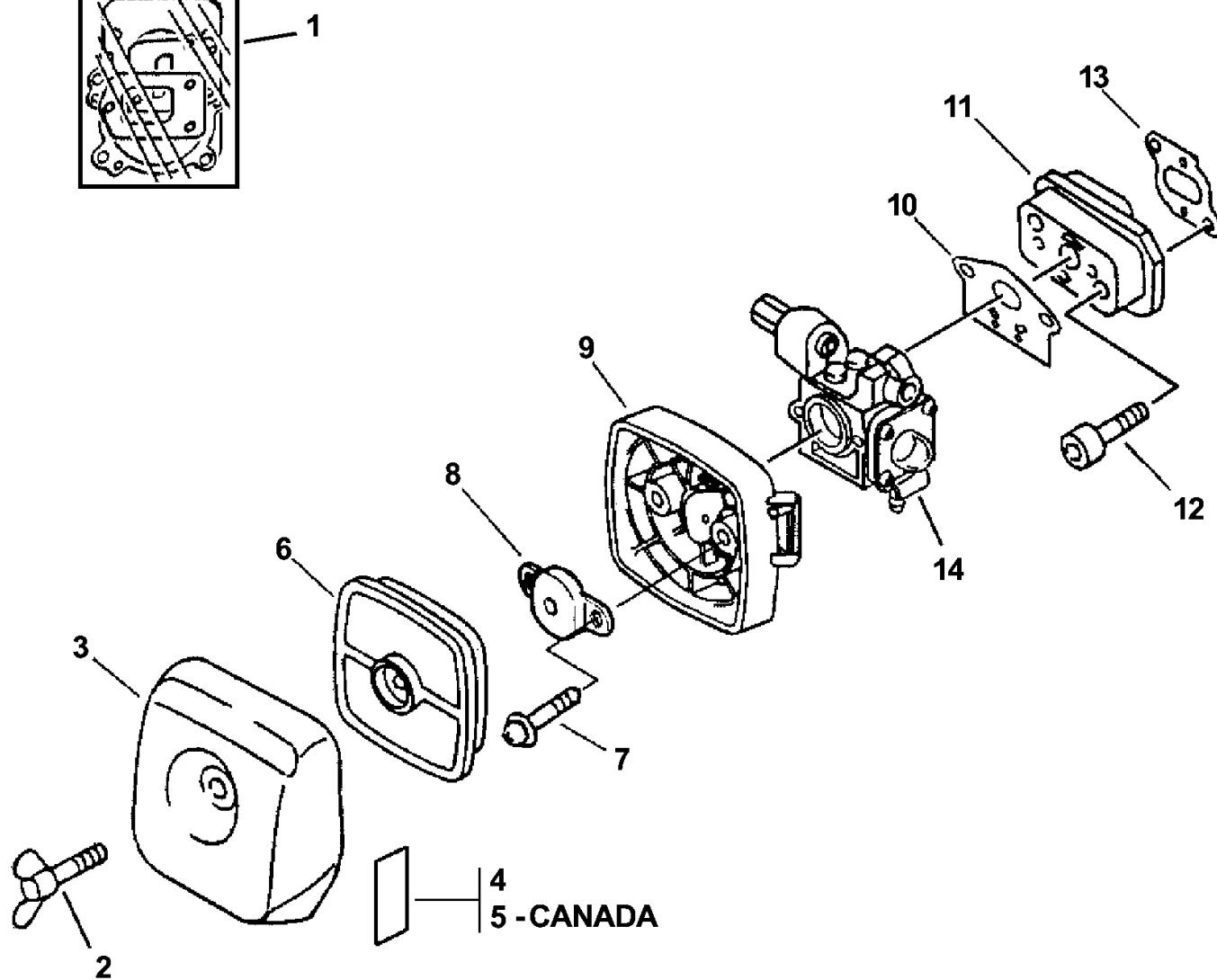
1: Also Included In GASKET KIT



PPT-230 Power Pruner

Fancase, Clutch, Fuel System, Starter

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	90070200042	1	CIRCLIP 42	
2	61092255931	1	FIXTURE, MAIN PIPE	
3	90016205028	1	SCREW 5X28	
4	90070100012	1	CIRCLIP 12	
5	A172000120	1	COVER, FAN	INCLUDES ITEM 6
6	V622000020	2	DOWEL PIN - 4X7.8mm	
7	90080796001	2	BEARING, BALL - 6001	
8	90070200028	1	CIRCLIP 28	
9	X503000980	1	LABEL - MODEL -- PPT-230	
10	X503001680	1	LABEL - MODEL -- PPT-231	
11	A553000010	2	SHOE, CLUTCH	
12	17504656030	2	SHAFT, CLUTCH	
13	17504956030	2	WAVE, WASHER	
14	V451000090	1	SPRING, CLUTCH	
15	17504805530	2	WASHER	
16	90016205018	2	SCREW 5X18	
17	17811106230	1	CLIP	
18	30511057733	1	STAND	
19	90016205022	2	SCREW 5X22	
20	A350000111	1	TANK, FUEL	INCLUDES ITEM 21
21	13104528230	2	SPACER	
22	90060300005	2	WASHER 5	
23	90016205016	2	SCREW 5X16	
24	13201256030	1	PIPE, RETURN - 3X6X80mm	REPOWER BULK OPTION: 90017
25	13201052030	1	PIPE, FUEL - 3X6X170mm	REPOWER BULK OPTION: 90015
26	13201326630	2	CLIP	
27	13120519830	1	FILTER, FUEL	
28	A356000030	1	VENT ASY	
29	V471000110	1	PIPE, VENT - 3X6X115mm	REPOWER BULK OPTION: 90015
30	13211555930	1	GROMMET, FUEL	
31	13100455530	1	CAP ASY	INCLUDES ITEM 32-33
32	13101655830	1	GASKET, CAP	
33	13105156030	1	CONNECTOR, CAP	
34	90024405020	1	SCREW 5X20	
35	A052000030	1	STARTER PAWL ASY	INCLUDES ITEMS 36-38
36	90070000004	1	E-RING 4	
37	17723440630	1	SPRING, RETURN	
38	17721840630	1	PAWL, STARTER	
39	90050200008	1	NUT 8	
40	17720055931	1	STARTER ASY	INCLUDES ITEMS 41-46
41	17723644330	1	SCREW	
42	17721540630	1	DRUM, STARTER	
43	17722603930	1	ROPE, STARTER - 3.5X850mm	REPOWER BULK OPTION: 99944445000
44	17722742030	1	GUIDE, ROPE	
45	17722827030	1	GRIP, STARTER	
46	17722040630	1	SPRING, REWIND	
47	90056500005	1	NUT	
48	9112604012	4	BOLT 4X12	
49	X502000190	1	LABEL, ECHO	
50	A556000030	1	DRUM, CLUTCH	
51	A556000280	1	DRUM, CLUTCH	

**GASKET KIT**

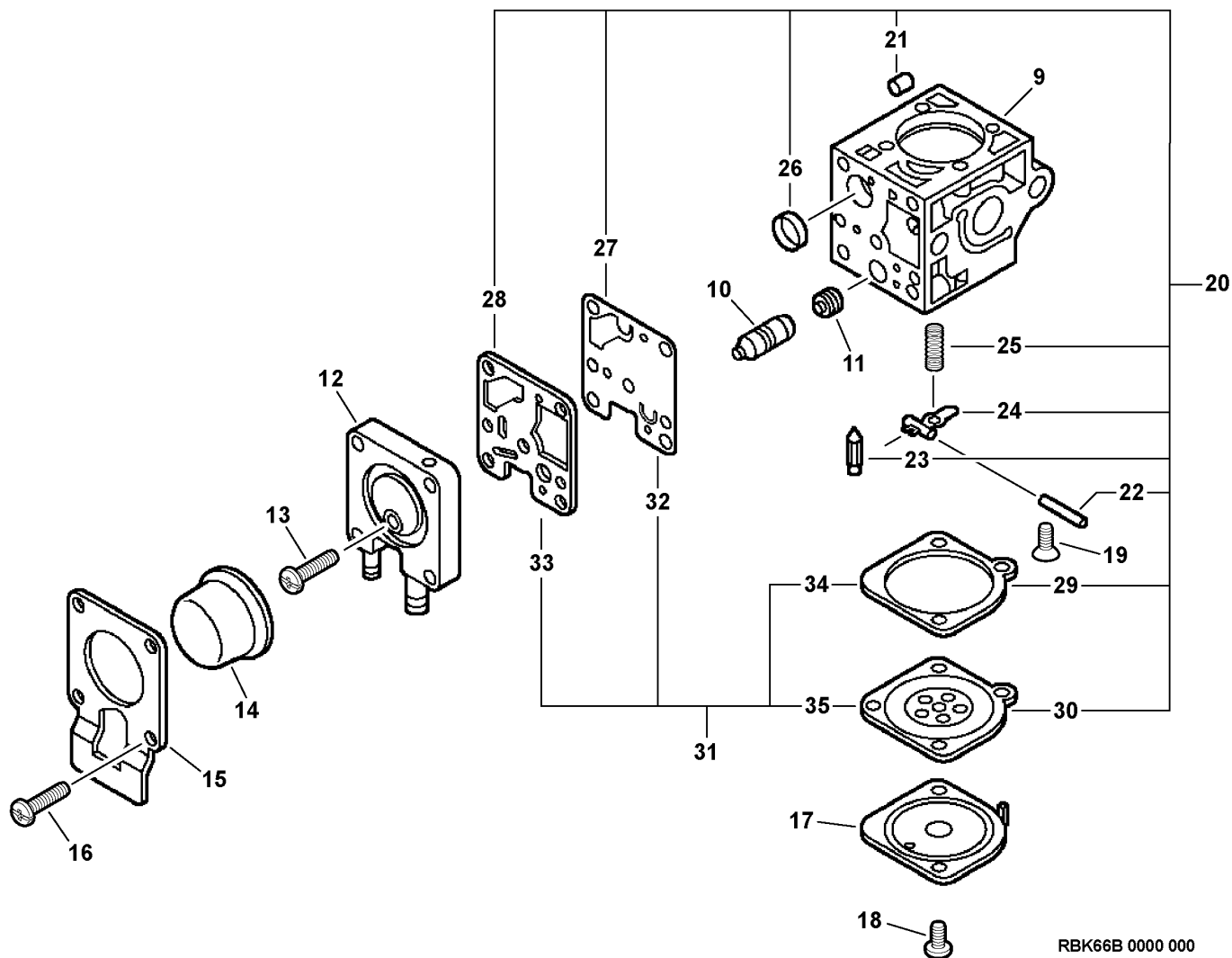
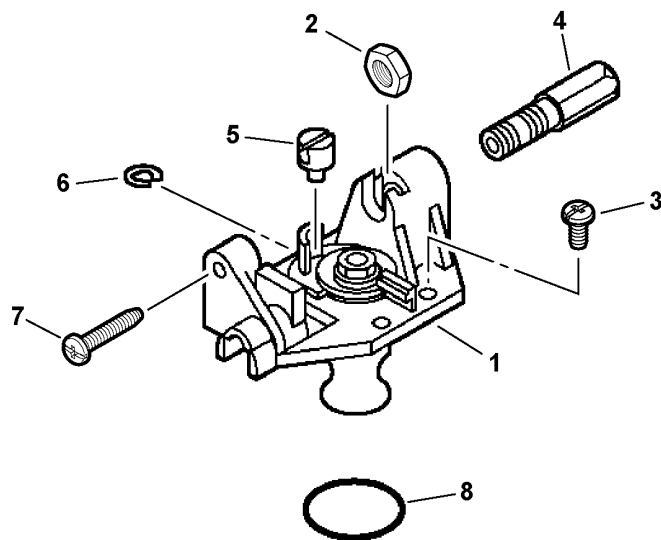
PPT-230 Power Pruner

Intake

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	P021003900	1	GASKET KIT	
2	21041752730	1	BOLT, WING	
3	13031305863	1	LID, AIR CLEANER -- BLACK	
4	89012152730	1	LABEL - CHOKE	
5	89033252730	1	LABEL - CHOKE	CANADA MODELS
6	13031054130	1	FILTER, AIR	
7	90024205060	2	SCREW 5X60	
8	12901152730	1	PLATE, PREVENT	
9	P021004480	1	CASE, AIR CLEANER -- BLACK	
10	13001013410	1	GASKET, INTAKE ¹	
11	13001756431	1	INSULATOR	
12	90016205025	2	SCREW 5X25	
13	13001055930	1	GASKET, INTAKE ¹	
14	-----	1	CARBURETOR	SEE CARBURETOR DIAGRAMS FOR MODEL APPLICATIONS AND SERIAL NUMBERS

Footnotes

1: Also Included In GASKET KIT

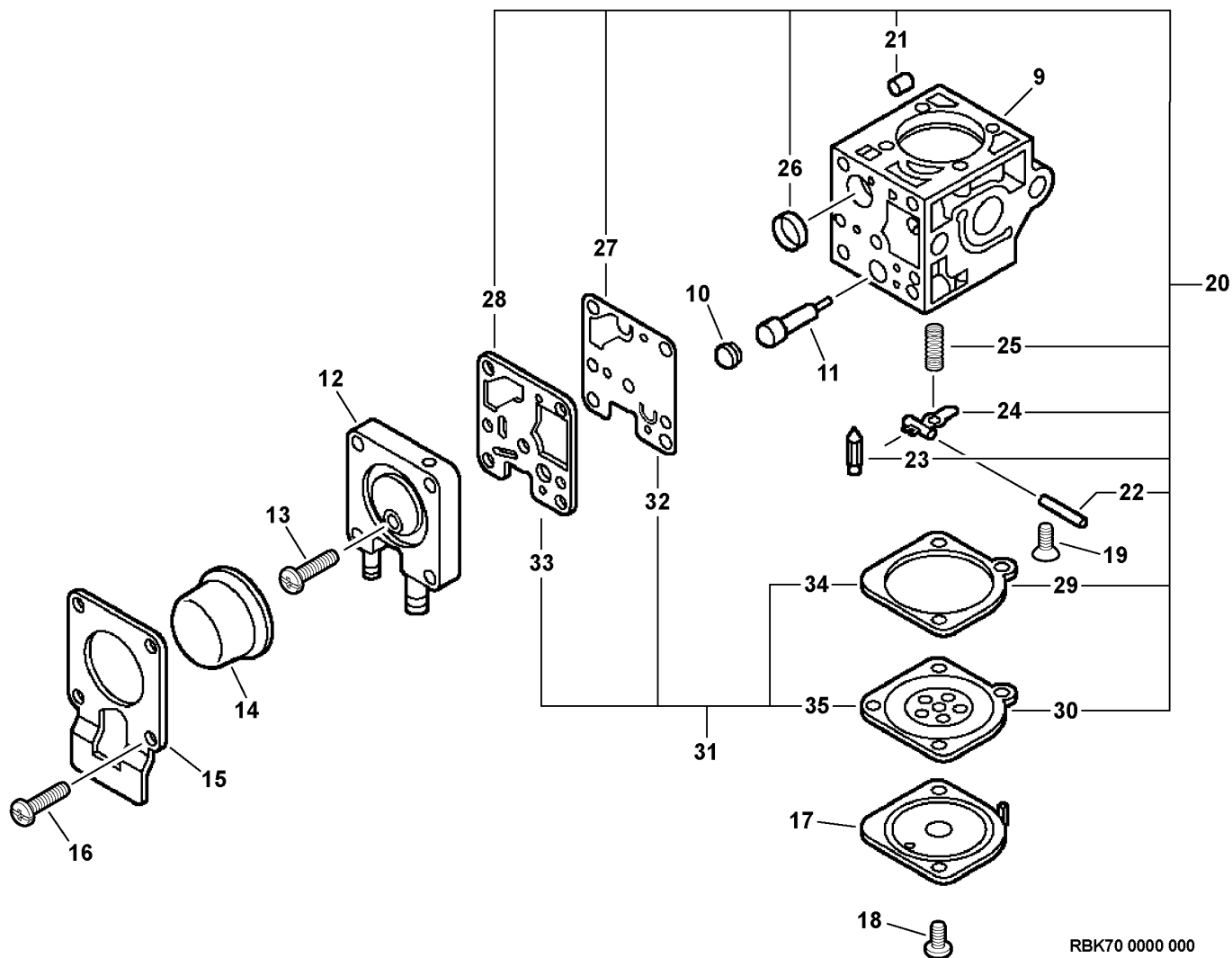
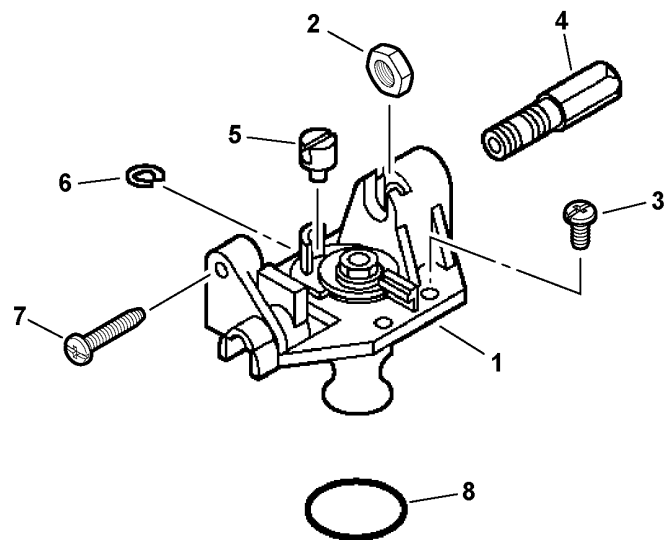


RBK66B 0000 000

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	A021000382	1	CARBURETOR -- RB-K66B	
1	P005000690	1	ROTOR COVER ASY	
2	P005000120	1	NUT, CABLE	
3	12534413931	3	SCREW, ROTOR COVER ASY	
4	P005000700	1	SCREW, CABLE ADJUST	
5	P005000180	1	SWIVEL	
6	P005000190	1	E-RING	
7	P005000100	1	SCREW, THROTTLE ADJUST	
8	P005000280	1	O-RING	
9	-----	1	BODY, CARBURETOR ¹	
10	P005000370	1	PLUG KIT	
11	P005000570	1	JET	
12	P005000930	1	PURGE BASE ASY	
13	P005000270	1	SCREW, PURGE BASE ASY	
14	12538108660	1	BULB, PURGE	
15	P005000250	1	RETAINER, PURGE BULB	
16	12531061830	4	SCREW, PURGE BULB RETAINER	
17	12534252130	1	COVER, DIAPHRAGM	
18	12534452130	2	SCREW, DIAPHRAGM COVER	
19	12533942030	1	SCREW, METERING LEVER PIN	
20	P005000950	1	REPAIR KIT	INCLUDES ITEMS 21-30
21	P005001000	1	ROLLER, GUIDE	
22	-----	1	PIN, METERING LEVER	
23	-----	1	VALVE, INLET NEEDLE	
24	-----	1	LEVER, METERING	
25	-----	1	SPRING, METERING LEVER	
26	-----	1	STRAINER	
27	-----	1	DIAPHRAGM, PUMP	
28	-----	1	GASKET, PUMP	
29	-----	1	GASKET, METERING	
30	-----	1	DIAPHRAGM, METERING	
31	P005000550	1	DIAPHRAGM/GASKET KIT	INCLUDES ITEMS 32-35
32	-----	1	DIAPHRAGM, PUMP	
33	-----	1	GASKET, PUMP	
34	-----	1	GASKET, METERING	
35	-----	1	DIAPHRAGM, METERING	

Footnotes

1: NOT AVAILABLE SEPARATELY

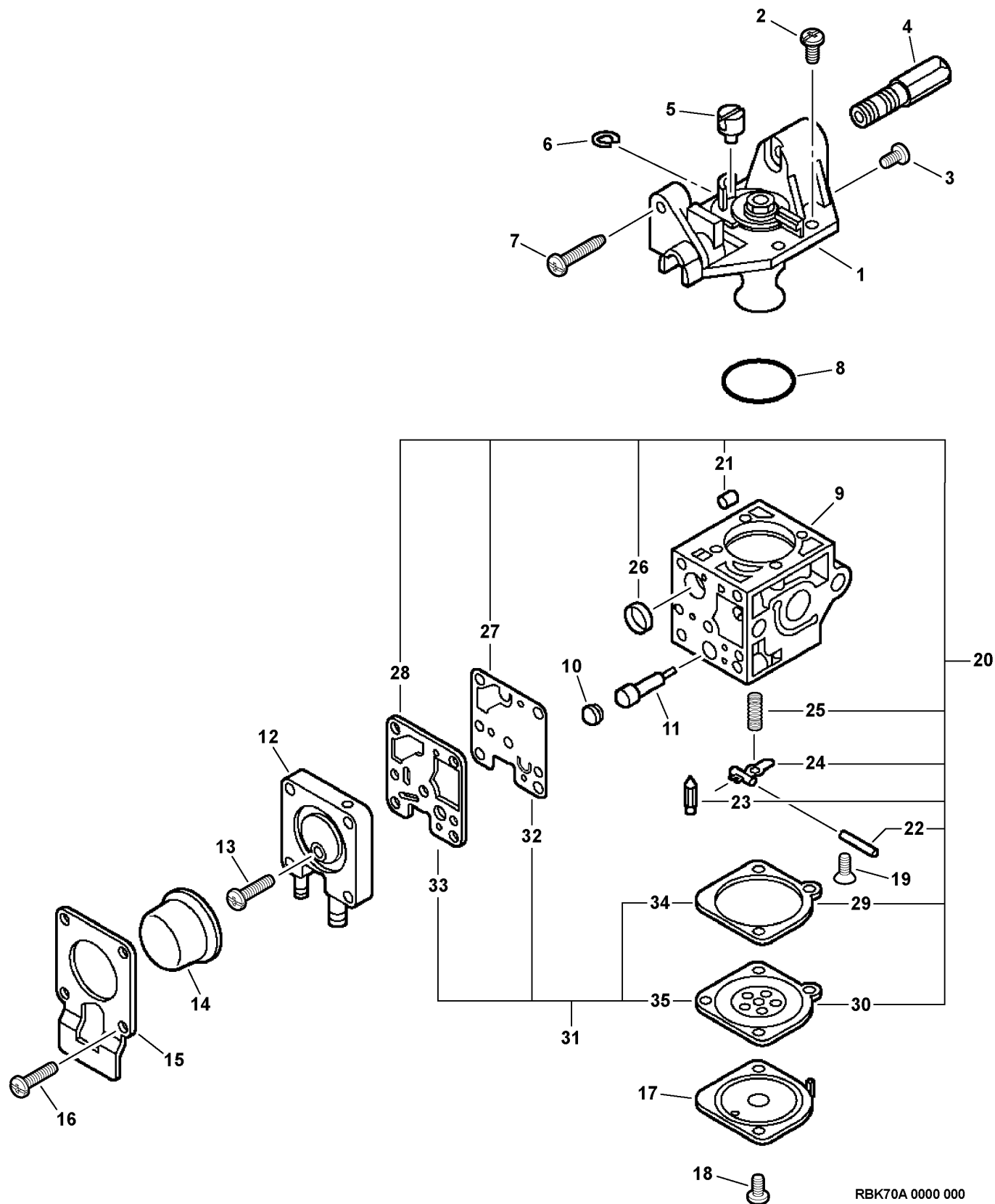


RBK70 0000 000

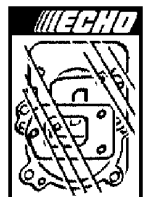
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	A021000720	1	CARBURETOR -- RB-K70	
1	P005001230	1	ROTOR COVER ASY	
2	P005000120	1	NUT, CABLE	
3	12534413931	3	SCREW, ROTOR COVER ASY	
4	P005000700	1	SCREW, CABLE ADJUST	
5	P005001240	1	SWIVEL	
6	P005000190	1	E-RING	
7	P005000100	1	SCREW, THROTTLE ADJUST	
8	P005000280	1	O-RING	
9	-----	1	BODY, CARBURETOR ¹	
10	P005001270	1	PLUG	
11	P005001260	1	NEEDLE - HIGH SPEED	
12	P005000930	1	PURGE BASE ASY	
13	P005000270	1	SCREW, PURGE BASE ASY	
14	12538108660	1	BULB, PURGE	
15	P005000250	1	RETAINER, PURGE BULB	
16	12531061830	4	SCREW, PURGE BULB RETAINER	
17	12534252130	1	COVER, DIAPHRAGM	
18	12534452130	2	SCREW, DIAPHRAGM COVER	
19	12533942030	1	SCREW, METERING LEVER PIN	
20	P005000950	1	REPAIR KIT	INCLUDES ITEMS 21-30
21	P005001000	1	ROLLER, GUIDE	
22	-----	1	PIN, METERING LEVER	
23	-----	1	VALVE, INLET NEEDLE	
24	-----	1	LEVER, METERING	
25	-----	1	SPRING	
26	-----	1	STRAINER	
27	-----	1	DIAPHRAGM, PUMP	
28	-----	1	GASKET, PUMP	
29	-----	1	GASKET, METERING	
30	-----	1	DIAPHRAGM, METERING	
31	P005000550	1	DIAPHRAGM/GASKET KIT	INCLUDES ITEMS 32-35
32	-----	1	DIAPHRAGM, PUMP	
33	-----	1	GASKET, PUMP	
34	-----	1	GASKET, METERING	
35	-----	1	DIAPHRAGM, METERING	

Footnotes

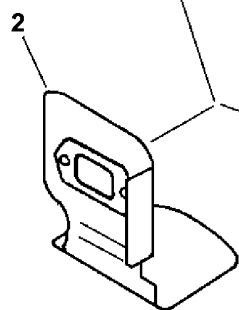
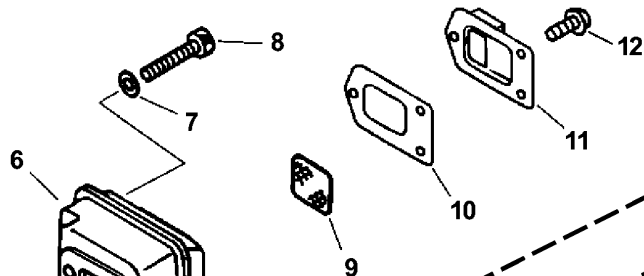
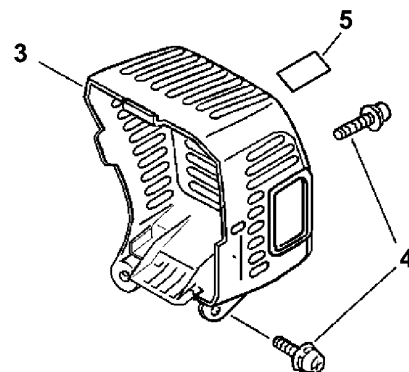
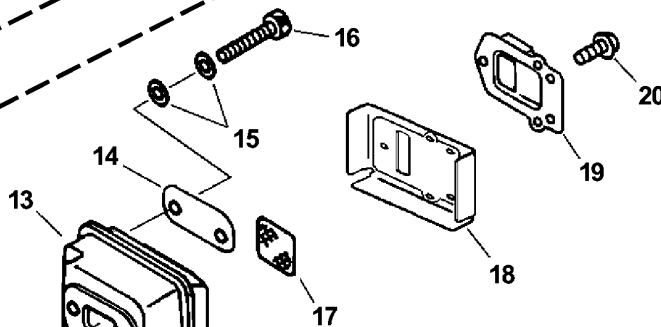
1: NOT AVAILABLE SEPARATELY



ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	A021000721	1	CARBURETOR -- RB-K70A	
1	P005001620	1	ROTOR COVER ASY	
2	12534413931	3	SCREW, ROTOR COVER ASY	
3	12534452130	1	SCREW, ROTOR COVER	
4	P005001330	1	SCREW, CABLE ADJUST	
5	P005001240	1	SWIVEL	
6	P005000190	1	E-RING	
7	P005000100	1	SCREW, THROTTLE ADJUST	
8	P005000280	1	O-RING	
9	-----	1	BODY, CARBURETOR	NOT AVAILABLE SEPARATELY
10	P005001270	1	PLUG	
11	P005001260	1	NEEDLE - HIGH SPEED	
12	P005000930	1	PURGE BASE ASY	
13	P005000270	1	SCREW, PURGE BASE ASY	
14	12538108660	1	BULB, PURGE	
15	P005000250	1	RETAINER, PURGE BULB	
16	12531061830	4	SCREW, PURGE BULB RETAINER	
17	12534252130	1	COVER, DIAPHRAGM	
18	12534452130	3	SCREW, DIAPHRAGM COVER	
19	12533942030	1	SCREW, METERING LEVER PIN	
20	P005000950	1	REPAIR KIT	INCLUDES ITEMS 21-30
21	P005001000	1	ROLLER, GUIDE	
22	-----	1	PIN, METERING LEVER	
23	-----	1	VALVE, INLET NEEDLE	
24	-----	1	LEVER, METERING	
25	-----	1	SPRING, METERING LEVER	
26	-----	1	STRAINER	
27	-----	1	DIAPHRAGM, PUMP	
28	-----	1	GASKET, PUMP	
29	-----	1	GASKET, METERING	
30	-----	1	DIAPHRAGM, METERING	
31	P005000550	1	DIAPHRAGM/GASKET KIT	INCLUDES ITEMS 32-35
32	-----	1	DIAPHRAGM, PUMP	
33	-----	1	GASKET, PUMP	
34	-----	1	GASKET, METERING	
35	-----	1	DIAPHRAGM, METERING	

**GASKET KIT**

1

S/N: 05001001-05999999 & 07001001-07001400**S/N: 06001001-06999999 & 07001401-07999999**

PPT-230 Power Pruner

Exhaust

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	P021003900	1	GASKET KIT	
2	V104000061	1	SHIELD, EXHAUST ¹	
3	A320000002	1	COVER, MUFFLER	
4	90010605012	2	SCREW 5X12	
5	89016006361	1	LABEL - CAUTION -- HOT	
6	14580642030	1	MUFFLER	
7	90060000005	2	WASHER 5	
8	90010505055	2	SCREW 5X55	
9	14586240630	1	SCREEN, MUFFLER	
10	14586642031	1	GASKET, EXHAUST	
11	A313000350	1	GUIDE, EXHAUST	
12	9136704010	3	SCREW 4X10	
13	A300000141	1	MUFFLER	
14	V150000371	1	PLATE, EYE	
15	V347000000	4	WASHER, CONICAL	
16	90010505055	2	SCREW 5X55	
17	14586240630	1	SCREEN, MUFFLER	
18	V104000360	1	GASKET, EXHAUST	
19	A313000130	1	GUIDE, EXHAUST	
20	9136704010	5	SCREW 4X10	

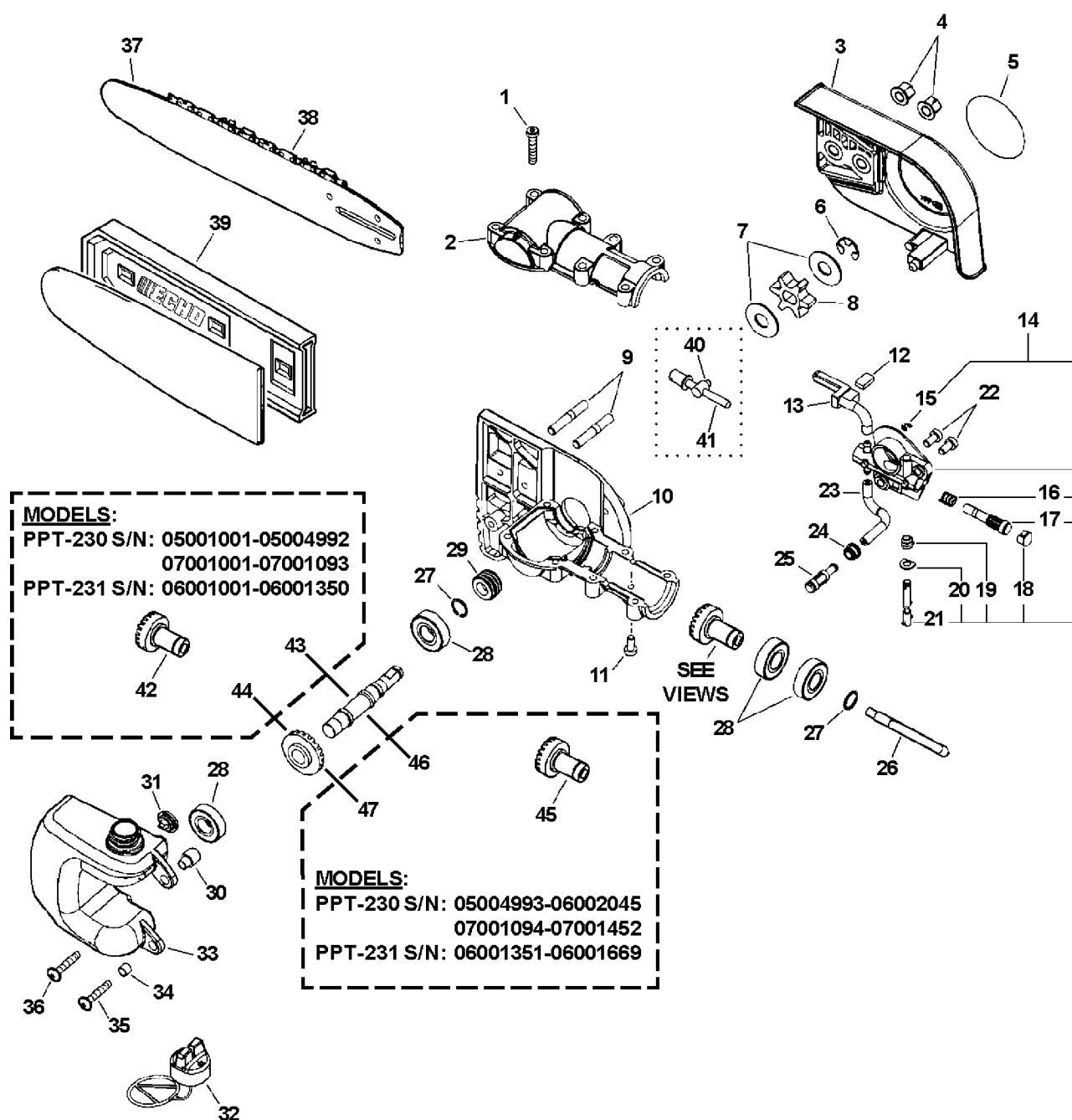
Footnotes

¹: Also Included In GASKET KIT

PPT-230 S/N: 05001001-06002045

07001001-07001452

PPT-231 S/N: 06001001-06001669



PPT000300000

PPT-230 Power Pruner

Gear Case, Auto-Oiler, Bar and Chain

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	90010905025	8	SCREW 5X25	
2	C531000030	1	CASE, GEAR - UPPER	
3	C300000001	1	GUARD, SPROCKET	
4	43301903933	2	FLANGE NUT 6	
5	X502000190	1	LABEL, ECHO	
6	V583000010	1	RING, RETAINING	
7	17501439131	2	WASHER	
8	C580000070	1	SPROCKET, DRIVE	
9	V224000000	2	THREADED STUD 6	
10	C051000120	1	CASE, GEAR - LOWER	
11	90010905010	1	SCREW 5X10	
12	43724439130	1	PAD, FORM	
13	V470000180	1	PIPE, OIL OUTLET	
14	43700239130	1	AUTO-OILER ASY	INCLUDES ITEMS 15-21
15	12312715030	1	CIRCLIP	
16	43701938330	1	SPRING	
17	43702437330	1	PLUNGER	
18	43706237330	1	CAP, OIL PUMP	
19	43701537330	1	SPRING	
20	43702937330	1	WASHER	
21	43701639130	1	NEEDLE, ADJUST	
22	90010905010	2	SCREW 5X10	
23	13011014330	1	PIPE, IMPULSE - 3X6X115mm	REPOWER BULK OPTION: 90015
24	13211501461	1	GROMMET, FUEL	
25	43620502832	1	STRAINER, OIL	
26	61002522361	1	CONNECTOR, SHAFT	
27	90070600012	2	CIRCLIP 12	
28	9404206001	4	BEARING BALL	
29	43706338330	1	GEAR, WORM	
30	V354000010	1	COLLAR 6	
31	13131406320	1	VENT ASY	
32	P021000950	1	OIL CAP ASY	
33	C200000000	1	TANK, OIL	
34	13104528230	2	COLLAR	
35	V253000030	2	SCREW 5X16	
36	V253000020	1	SCREW 5X28	
37	1102373901	1	GUIDE BAR - 10" -- Intenz ¹	GAUGE: .050"
38	1917039	1	SAWING CHAIN (91VS) - 10" -- Low Profile ¹	GAUGE: .050"
39	X490000060	1	COVER, GUIDE BAR	
40	43301403931	1	TENSIONER ²	
41	43301639131	1	SCREW, ADJUSTMENT ²	
42	V651000042	1	GEAR, BEVEL	USE GEAR & SHAFT KIT P021009710
43	C534000020	1	SHAFT, GEAR	USE GEAR & SHAFT KIT P021009710
44	61031122061	1	GEAR, BEVEL	USE GEAR & SHAFT KIT P021009710
45	V651000042	1	GEAR, BEVEL	USE GEAR KIT P021009720
46	C534000180	1	SHAFT, GEAR	
47	V651000111	1	GEAR, BEVEL	USE GEAR KIT P021009720

Footnotes

1: .043" & .050" Gauge Chains & Guide Bars are NOT Interchangeable

2: For Use With Standard Guide Bar (INTENZ Guide Bar Not Used)

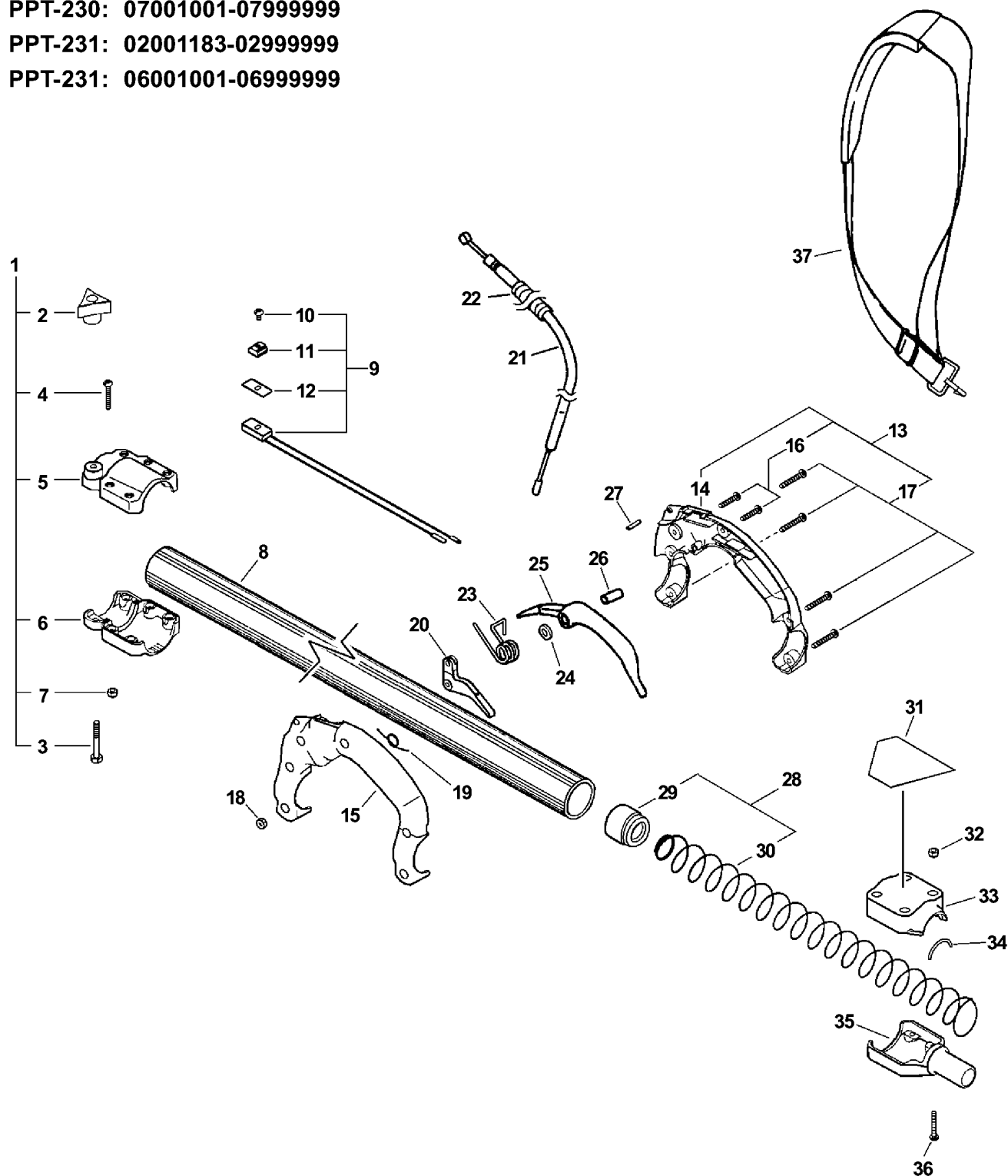
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PPT-230: 06001001-06999999

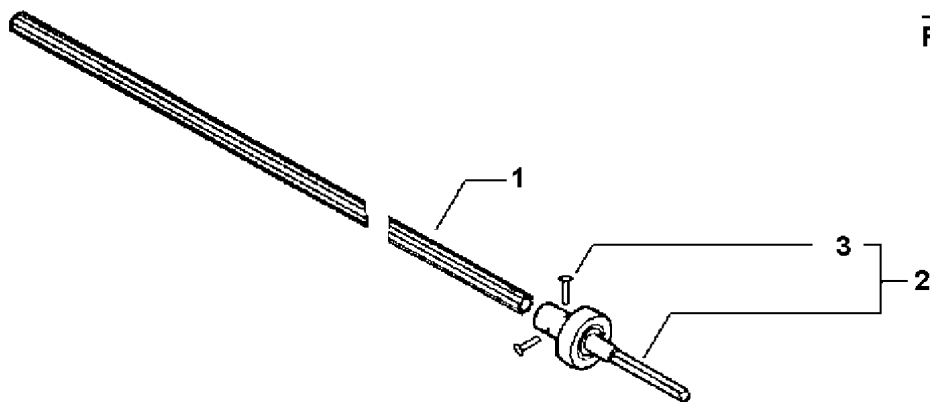
PPT-230: 07001001-07999999

PPT-231: 02001183-02999999

PPT-231: 06001001-06999999



ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	61029522360	1	CLAMP ASY	INCLUDES ITEMS 2-7
2	13040622360	1	KNOB, FASTNER	INCLUDES ITEM 3
3	V204000090	1	SCREW	
4	90005300400	5	SCREW	
5	61028222460	1	COLLAR, MAIN PIPE - UPPER	
6	61028222360	1	COLLAR, MAIN PIPE - LOWER	
7	90003150100	5	LOCKNUT	
8	61022224660	1	PIPE, MAIN - ORANGE	
9	A440000280	1	IGNITION SWITCH ASY	INCLUDES ITEMS 10-12
10	9154503010	1	SCREW 3X10	
11	16341049231	1	KNOB, SWITCH -- ORANGE	
12	89015712330	1	COVER, SWITCH	
13	35110022362	1	REAR HANDLE ASY	INCLUDES ITEMS 14-18
14	C410000090	1	HANDLE, REAR - LEFT	
15	35111022562	1	HANDLE, REAR - RIGHT	
16	90005300400	2	SCREW	
17	90005300500	4	SCREW	
18	90003150100	6	LOCKNUT	
19	17804322360	1	SPRING, THROTTLE TRIGGER	
20	17801022560	1	TRIGGER, THROTTLE	
21	V430000720	1	CABLE, THROTTLE	
22	V475001290	1	COVER - CORRUGATED	
23	17804322562	1	SPRING, THROTTLE TRIGGER LOCKOUT	
24	90060300005	1	WASHER	
25	17809022560	1	LOCKOUT, THROTTLE CONTROL	
26	61085022560	1	COLLAR 5	
27	88996022660	1	STRAIGHT PIN 3	
28	43330722460	1	FLOATING BUSHING ASY	INCLUDES ITEMS 29-30
29	43334522660	1	BUSHING, FLOATING	
30	10494022560	1	SPRING, FLOATING BUSHING	
31	89016022660	1	LABEL - CAUTION	
32	90003150100	4	LOCKNUT	
33	C525000000	1	CAP, LOWER SHAFT TUBE ADAPTER	
34	10491022460	1	O-RING(HALF)	
35	C510000060	1	ADAPTER, LOWER SHAFT TUBE	
36	90005300500	4	SCREW	
37	30100022060	1	SHOULDER HARNESS ASY	

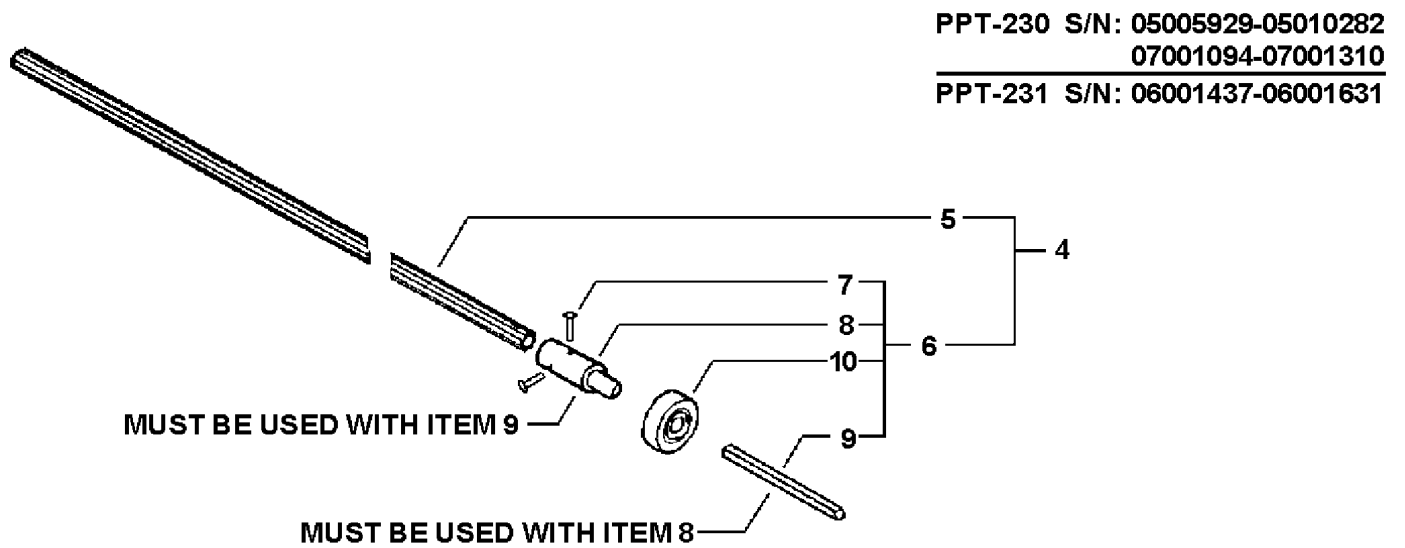


PPT-230 S/N: 03001001-05005928
07001001-07001093

PPT-231 S/N: 02001001-02999999
06001001-06001436

PPT0007 00000

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	C504000260	1	DRIVESHAFT	
2	P021006340	1	SHAFT CONNECTOR KIT	INCLUDES ITEM 3; SEE SB 04-22
3	V620000000	2	PIN	

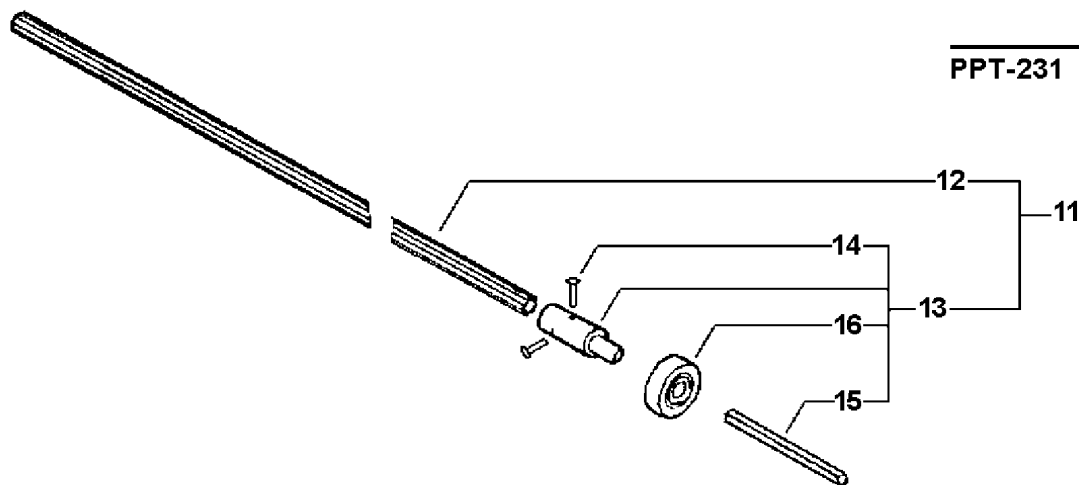


PPT0008 00000

PPT-230 Power Pruner**Driveshaft, Connector S/N: 05005929 - 05010282**

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
4	P021006860	1	DRIVESHAFT ASY	INCLUDES ITEMS 5-10; SEE SB 04-22
5	C504000260	1	DRIVESHAFT	
6	P021006330	1	SHAFT CONNECTOR KIT	INCLUDES ITEM 7-10; SEE SB 04-22
7	V620000000	2	PIN	
8	-----	1	CONNECTOR	MUST BE USED WITH ITEM 9
9	C517000040	1	SHAFT	MUST BE USED WITH ITEM 8
10	90080206002	1	BEARING, BALL	

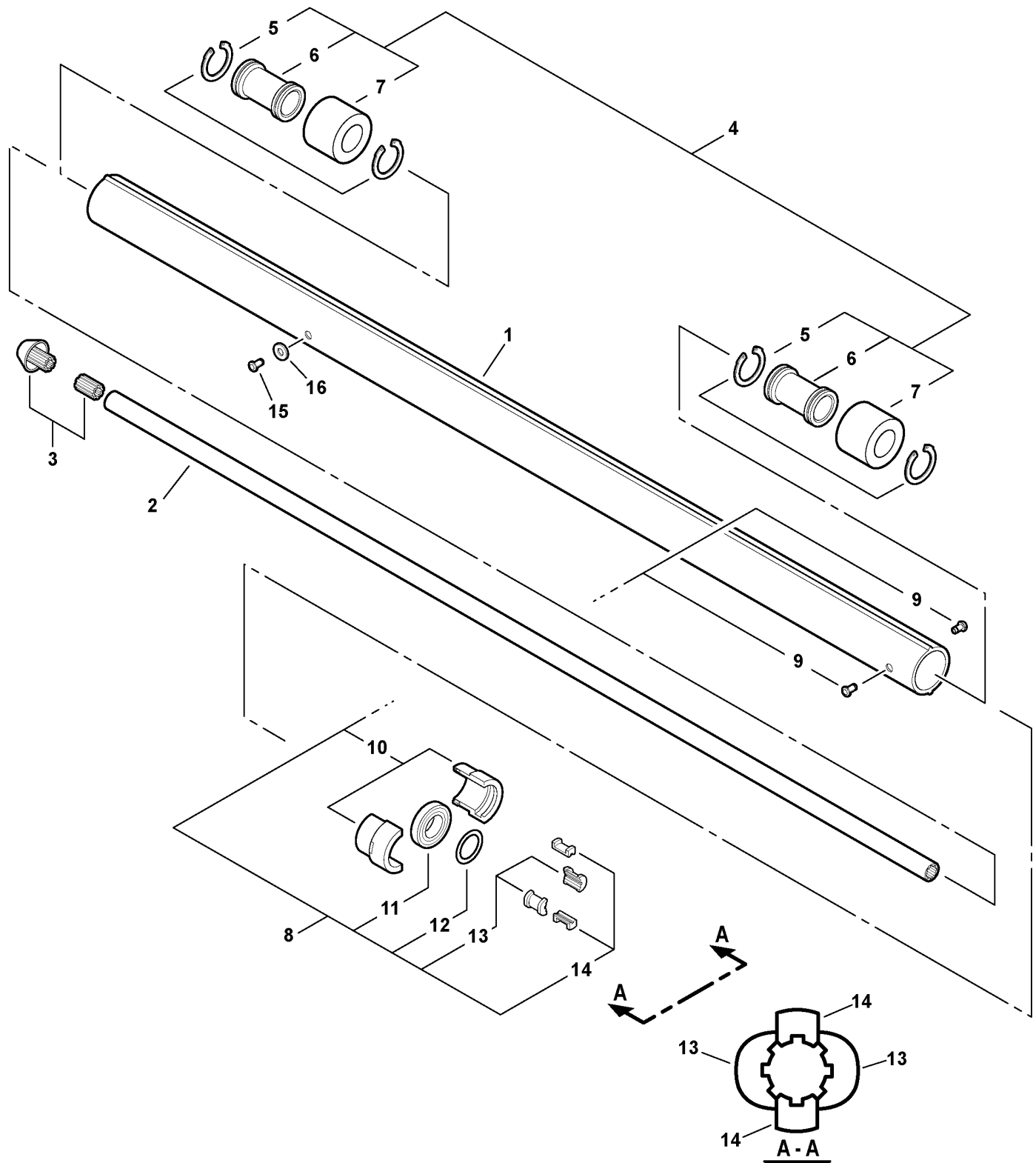
PPT-230 S/N: 05010283-05999999
06001001-06999999
07001311-07999999
PPT-231 S/N: 06001632-06999999



PPT0009 00 000

PPT-230 Power Pruner**Driveshaft, Connector S/N: 05010283 - 05999999**

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
11	P021006861	1	DRIVESHAFT ASY	INCLUDES ITEMS 12-17
12	C504000260	1	DRIVESHAFT	
13	P021006331	1	SHAFT CONNECTOR KIT	INCLUDES ITEM 14-16
14	V620000000	2	PIN	
15	C517000040	1	SHAFT	
16	90080206002	1	BEARING, BALL	



073 0002 000

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	61021022361	1	SHAFT, UPPER - BLACK	
2	61001122360	1	DRIVESHAFT - UPPER	
3	61029822360	1	ADAPTER, DRIVESHAFT - UPPER	
4	43330822360	2	UPPER DRIVESHAFT GUIDE ASY	INCLUDES ITEMS 5-7 (SEE SB 05-01)
5	61033522460	4	RING, RETAINING	
6	43334522361	2	GUIDE, SHAFT	
7	10429322360	2	PAD, FOAM	
8	61010522360	1	BEARING HOLDER ASY	INCLUDES ITEMS 9-14
9	89001122360	2	RIVET, STEEL	
10	61011122360	2	HOLDER, BEARING	
11	90080206002	1	BEARING, BALL	
12	17812922360	1	WASHER, WAVE	
13	43334522560	2	HOLDER, INNER BEARING - LARGE	
14	43334522460	2	HOLDER, INNER BEARING - SMALL	
15	89001122460	1	RIVET, ALUMINUM	
16	40011122360	1	WASHER 5	

RePower Tune-Up Kit	Contains:	Service Number	Description
90074		13031054130	AIR FILTER
		13120507320	FUEL FILTER
		15901019830	SPARK PLUG BPM-8Y

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	90074	1	TUNE-UP KIT	



Part Number Index

Click The Page Number After Any Part Number To View The Diagram Containing That Part.

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
-----	9, 11, 13, 15, 25	43301403931	19	9154503010	21	V204000090	21
10001311520	5	43301639131	19	9404206001	19	V224000000	19
10001411520	5	43301903933	19	A011000042	5	V253000020	19
10001504630	5	43330722460	21	A021000382	11	V253000030	19
10021228230	5	43330822360	29	A021000720	13	V347000000	17
10021305530	5	43334522361	29	A021000721	15	V353000020	5
10024255930	5	43334522460	29	A052000030	7	V354000010	19
10429322360	29	43334522560	29	A101000000	5	V430000720	21
10491022460	21	43334522660	21	A130000341	5	V451000090	7
10494022560	21	43620502832	19	A160000060	5	V470000180	19
1102373901	19	43700239130	19	A162000000	5	V471000110	7
12312715030	19	43701537330	19	A172000120	7	V475001290	21
12531061830	11, 13, 15	43701639130	19	A300000141	17	V475002200	5
12533942030	11, 13, 15	43701938330	19	A313000130	17	V553000010	5
12534252130	11, 13, 15	43702437330	19	A313000350	17	V583000010	19
12534413931	11, 13, 15	43702937330	19	A320000002	17	V620000000	23, 25, 27
12534452130	11, 13, 15	43706237330	19	A350000111	7	V622000020	7
12538108660	11, 13, 15	43706338330	19	A356000030	7	V651000042	19
12901152730	9	43724439130	19	A409000130	5	V651000111	19
13001013410	9	61001122360	29	A411000110	5	X490000060	19
13001055930	9	61002522361	19	A425000000	5	X502000190	7, 19
13001756431	9	61010522360	29	A440000280	21	X503000980	7
13011014330	19	61011122360	29	A553000010	7	X503001680	7
13031054130	9	61021022361	29	A556000030	7		
13031305863	9	61022224660	21	A556000280	7		
13040622360	21	61028222360	21	C051000120	19		
13100455530	7	61028222460	21	C200000000	19		
13101655830	7	61029522360	21	C300000001	19		
13104528230	7, 19	61029822360	29	C410000090	21		
13105156030	7	61031122061	19	C504000260	23, 25, 27		
13120519830	7	61033522460	29	C510000060	21		
13131406320	19	61085022560	21	C517000040	25, 27		
13201052030	7	61092255931	7	C525000000	21		
13201256030	7	88996022660	21	C531000030	19		
13201326630	7	89001122360	29	C534000020	19		
13211501461	19	89001122460	29	C534000180	19		
13211555930	7	89012152730	9	C580000070	19		
14580642030	17	89015712330	21	P005000100	11, 13, 15		
14586240630	17	89016006361	17	P005000120	11, 13		
14586642031	17	89016022660	21	P005000180	11		
15611240630	5	89033252730	9	P005000190	11, 13, 15		
15901019830	5	90003150100	21	P005000250	11, 13, 15		
15901103432	5	90005300400	21	P005000270	11, 13, 15		
15901203433	5	90005300500	21	P005000280	11, 13, 15		
16201056430	5	90010505055	17	P005000370	11		
16201452930	5	90010605012	17	P005000550	11, 13, 15		
16341049231	21	90010905010	19	P005000570	11		
17501439131	19	90010905025	19	P005000690	11		
17504656030	7	90016205016	5, 7	P005000700	11, 13		
17504805530	7	90016205018	7	P005000930	11, 13, 15		
17504956030	7	90016205022	5, 7	P005000950	11, 13, 15		
17720055931	7	90016205025	5, 9	P005001000	11, 13, 15		
17721540630	7	90016205028	7	P005001230	13		
17721840630	7	90024205010	5	P005001240	13, 15		
17722040630	7	90024205060	9	P005001260	13, 15		
17722603930	7	90024405020	7	P005001270	13, 15		
17722742030	7	90050200008	7	P005001330	15		
17722827030	7	90051500008	5	P005001620	15		
17723440630	7	90056500005	7	P021000940	5		
17723644330	7	90060000005	17	P021000950	19		
17801022560	21	90060300005	7, 21	P021001101	5		
17804322360	21	90070000004	7	P021003900	5, 9, 17		
17804322562	21	90070100012	7	P021004480	9		
17809022560	21	90070200028	5, 7	P021006330	25		
17811106230	7	90070200042	7	P021006331	27		
17812922360	29	90070600012	19	P021006340	23		
1917039	19	90074	31	P021006860	25		
21041752730	9	90080036001	5	P021006861	27		
30100022060	21	90080206002	25, 27, 29	SB1061	5		
30511057733	7	90080796001	7	V100000060	5		
35110022362	21	9111005016	5	V104000061	17		
35111022562	21	9112604012	7	V104000360	17		
40011122360	29	9136704010	17	V150000371	17		



Part Description Index

Click The Page Number After Any Part Description To View The Diagram Containing That Part.

A

ADAPTER, DRIVESHAFT - UPPER.....29
ADAPTER, LOWER SHAFT TUBE.....21
AUTO-OILER ASY.....19

B

BEARING BALL.....19
BEARING HOLDER ASY.....29
BEARING, BALL.....25, 27, 29
BEARING, BALL - 6001.....7
BEARING, BALL 6001.....5
BEARING, NEEDLE.....5
BODY, CARBURETOR.....11, 13, 15
BOLT 4X12.....7
BOLT, WING.....9
BULB, PURGE.....11, 13, 15
BUSHING, FLOATING.....21

C

CABLE, THROTTLE.....21
CAP ASY.....7
CAP, LOWER SHAFT TUBE ADAPTER.....21
CAP, OIL PUMP.....19
CAP, SPARK PLUG.....5
CARBURETOR.....9
CARBURETOR -- RB-K66B.....11
CARBURETOR -- RB-K70.....13
CARBURETOR -- RB-K70A.....15
CASE, AIR CLEANER -- BLACK.....9
CASE, GEAR - LOWER.....19
CASE, GEAR - UPPER.....19
CIRCLIP.....19
CIRCLIP 12.....7, 19
CIRCLIP 28.....5, 7
CIRCLIP 42.....7
CIRCLIP, PISTON PIN.....5
CLAMP ASY.....21
CLIP.....7
COIL, IGNITION.....5
COLLAR.....19
COLLAR 5.....5, 21
COLLAR 6.....19
COLLAR, MAIN PIPE - LOWER.....21
COLLAR, MAIN PIPE - UPPER.....21
CONNECTOR.....25
CONNECTOR, CAP.....7
CONNECTOR, SHAFT.....19
COVER - CORRUGATED.....21
COVER, DIAPHRAGM.....11, 13, 15
COVER, ENGINE -- ORANGE.....5
COVER, FAN.....7
COVER, GUIDE BAR.....19
COVER, MUFFLER.....17
COVER, SWITCH.....21
CRANKCASE KIT.....5
CRANKSHAFT ASY.....5
CYLINDER.....5

D

DIAPHRAGM, METERING.....11, 13, 15
DIAPHRAGM, PUMP.....11, 13, 15
DIAPHRAGM/GASKET KIT.....11, 13, 15
DOWEL PIN - 4X7.8mm.....7

DRIVESHAFT.....23, 25, 27
DRIVESHAFT - UPPER.....29
DRIVESHAFT ASY.....25, 27
DRUM, CLUTCH.....7
DRUM, STARTER.....7

E

E-RING.....11, 13, 15
E-RING 4.....7

F

FILTER, AIR.....9
FILTER, FUEL.....7
FIXTURE, MAIN PIPE.....7
FLANGE NUT 6.....19
FLANGE NUT 8.....5
FLOATING BUSHING ASY.....21
FLYWHEEL.....5

G

GASKET KIT.....5, 9, 17
GASKET, CAP.....7
GASKET, CRANKCASE.....5
GASKET, CYLINDER.....5
GASKET, EXHAUST.....17
GASKET, INTAKE.....9
GASKET, METERING.....11, 13, 15
GASKET, PUMP.....11, 13, 15
GEAR, BEVEL.....19
GEAR, WORM.....19
GRIP, STARTER.....7
GROMMET.....5
GROMMET, FUEL.....7, 19
GUARD, SPROCKET.....19
GUARD, TOP.....5
GUIDE BAR - 10" -- Intenz.....19
GUIDE, EXHAUST.....17
GUIDE, ROPE.....7
GUIDE, SHAFT.....29

H

HANDLE, REAR - LEFT.....21
HANDLE, REAR - RIGHT.....21
HOLDER, BEARING.....29
HOLDER, INNER BEARING - LARGE.....29
HOLDER, INNER BEARING - SMALL.....29

I

IGNITION SWITCH ASY.....21
INSULATOR.....9

J

JET.....11

K

KNOB, FASTNER.....21
KNOB, SWITCH -- ORANGE.....21

L

LABEL - CAUTION.....21
LABEL - CAUTION -- HOT.....17
LABEL - CHOKE.....9

LABEL - MODEL -- PPT-230.....7
LABEL - MODEL -- PPT-231.....7
LABEL, ECHO.....7, 19
LEAD, GROUND.....5
LEVER, METERING.....11, 13, 15
LID, AIR CLEANER -- BLACK.....9
LOCKNUT.....21
LOCKOUT, THROTTLE CONTROL.....21

M

MUFFLER.....17

N

NEEDLE - HIGH SPEED.....13, 15
NEEDLE, ADJUST.....19
NUT.....7
NUT 8.....7
NUT, CABLE.....11, 13

O

OIL CAP ASY.....19
OIL SEAL.....5
O-RING.....11, 13, 15
O-RING(HALF).....21

P

PAD, FOAM.....29
PAD, FORM.....19
PAWL, STARTER.....7
PIN.....23, 25, 27
PIN, METERING LEVER.....11, 13, 15
PIN, PISTON.....5
PIPE, FUEL - 3X6X170mm.....7
PIPE, IMPULSE - 3X6X115mm.....19
PIPE, MAIN - ORANGE.....21
PIPE, OIL OUTLET.....19
PIPE, RETURN - 3X6X80mm.....7
PIPE, VENT - 3X6X115mm.....7
PISTON KIT.....5
PLATE, EYE.....17
PLATE, PREVENT.....9
PLUG.....13, 15
PLUG KIT.....11
PLUNGER.....19
PURGE BASE ASY.....11, 13, 15

R

REAR HANDLE ASY.....21
REPAIR KIT.....11, 13, 15
RETAINER, PURGE BULB.....11, 13, 15
RING, PISTON.....5
RING, RETAINING.....19, 29
RIVET, ALUMINUM.....29
RIVET, STEEL.....29
ROLLER, GUIDE.....11, 13, 15
ROPE, STARTER - 3.5X850mm.....7
ROTOR COVER ASY.....11, 13, 15

S

SAWING CHAIN (91VS) - 10" -- Low Profile.....19
SCREEN, MUFFLER.....17
SCREW.....7, 21
SCREW 3X10.....21



Part Description Index (continued)

SCREW 4X10.....17
SCREW 5X10.....5, 19
SCREW 5X12.....17
SCREW 5X16.....5, 7, 19
SCREW 5X18.....7
SCREW 5X20.....7
SCREW 5X22.....5, 7
SCREW 5X25.....5, 9, 19
SCREW 5X28.....7, 19
SCREW 5X55.....17
SCREW 5X60.....9
SCREW, ADJUSTMENT.....19
SCREW, CABLE ADJUST.....11, 13, 15
SCREW, DIAPHRAGM COVER.....11, 13, 15
SCREW, METERING LEVER PIN.....11, 13, 15
SCREW, PURGE BASE ASY.....11, 13, 15
SCREW, PURGE BULB RETAINER.....11, 13, 15
SCREW, ROTOR COVER.....15
SCREW, ROTOR COVER ASY.....11, 13, 15
SCREW, THROTTLE ADJUST.....11, 13, 15
SHAFT.....25, 27
SHAFT CONNECTOR KIT.....23, 25, 27
SHAFT, CLUTCH.....7
SHAFT, GEAR.....19
SHAFT, UPPER - BLACK.....29
SHIELD, EXHAUST.....17
SHOE, CLUTCH.....7
SHORT BLOCK.....5
SHOULDER HARNESS ASY.....21
SPACER.....7
SPACER, PISTON PIN.....5
SPARK PLUG -- BPM-8Y.....5
SPARK PLUG -- BPMR-8Y.....5
SPRING.....13, 19
SPRING, CLUTCH.....7
SPRING, FLOATING BUSHING.....21
SPRING, METERING LEVER.....11, 15
SPRING, RETURN.....7
SPRING, REWIND.....7
SPRING, THROTTLE TRIGGER.....21
SPRING, THROTTLE TRIGGER LOCKOUT.....21
SPROCKET, DRIVE.....19
STAND.....7
STARTER ASY.....7
STARTER PAWL ASY.....7
STRAIGHT PIN 3.....21
STRAINER.....11, 13, 15
STRAINER, OIL.....19
SWIVEL.....11, 13, 15

T

TANK, FUEL.....7
TANK, OIL.....19
TENSIONER.....19
TERMINAL, SPARK PLUG CAP.....5
THREADED STUD 6.....19
TRIGGER, THROTTLE.....21
TUBE, INSULATOR.....5
TUNE-UP KIT.....31

U

UPPER DRIVESHAFT GUIDE ASY.....29

V

VALVE, INLET NEEDLE.....11, 13, 15
VENT ASY.....7, 19

W

WASHER.....7, 19, 21
WASHER 5.....7, 17, 29
WASHER, CONICAL.....17
WASHER, WAVE.....29
WAVE, WASHER.....7

NOTES



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