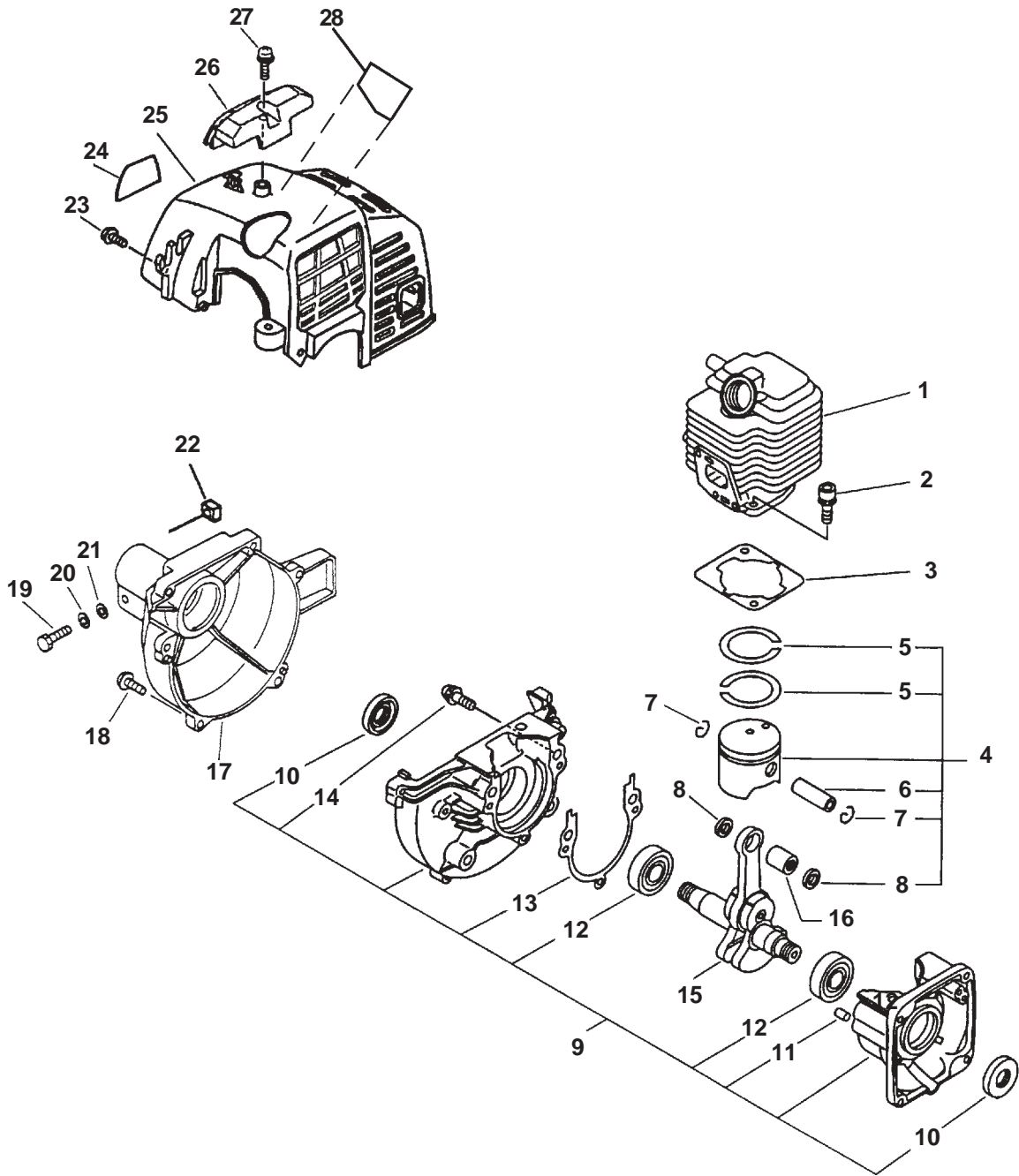




**POWER PRUNER
MODEL PPSR-2433
TYPE 1E
SERIAL NUMBER 504000 & UP**

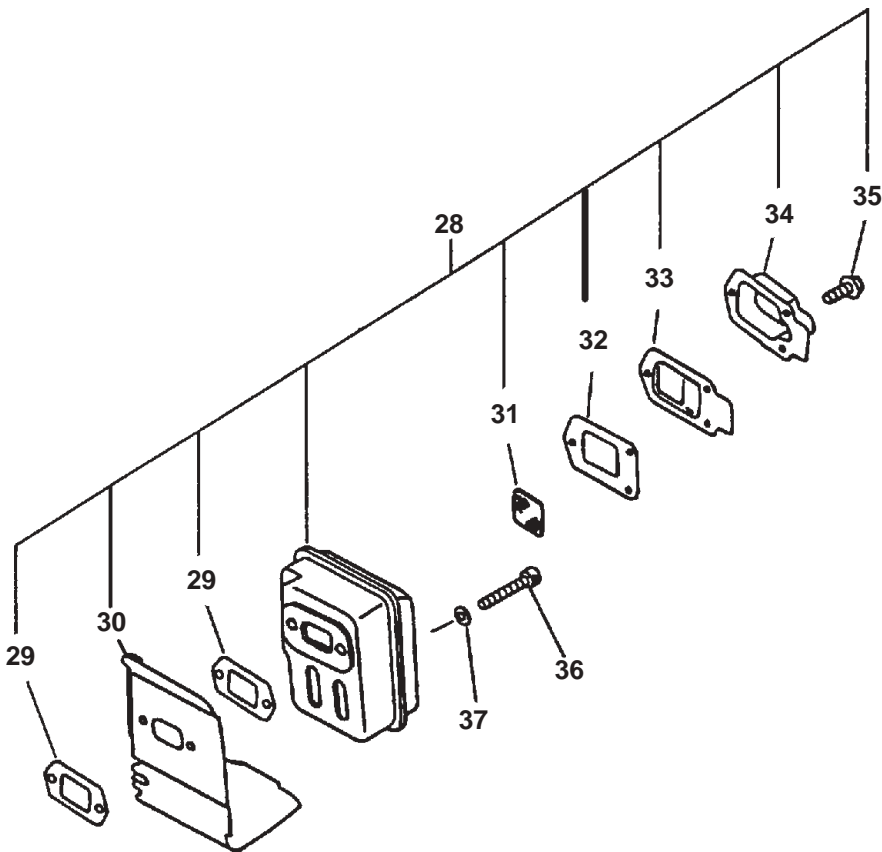
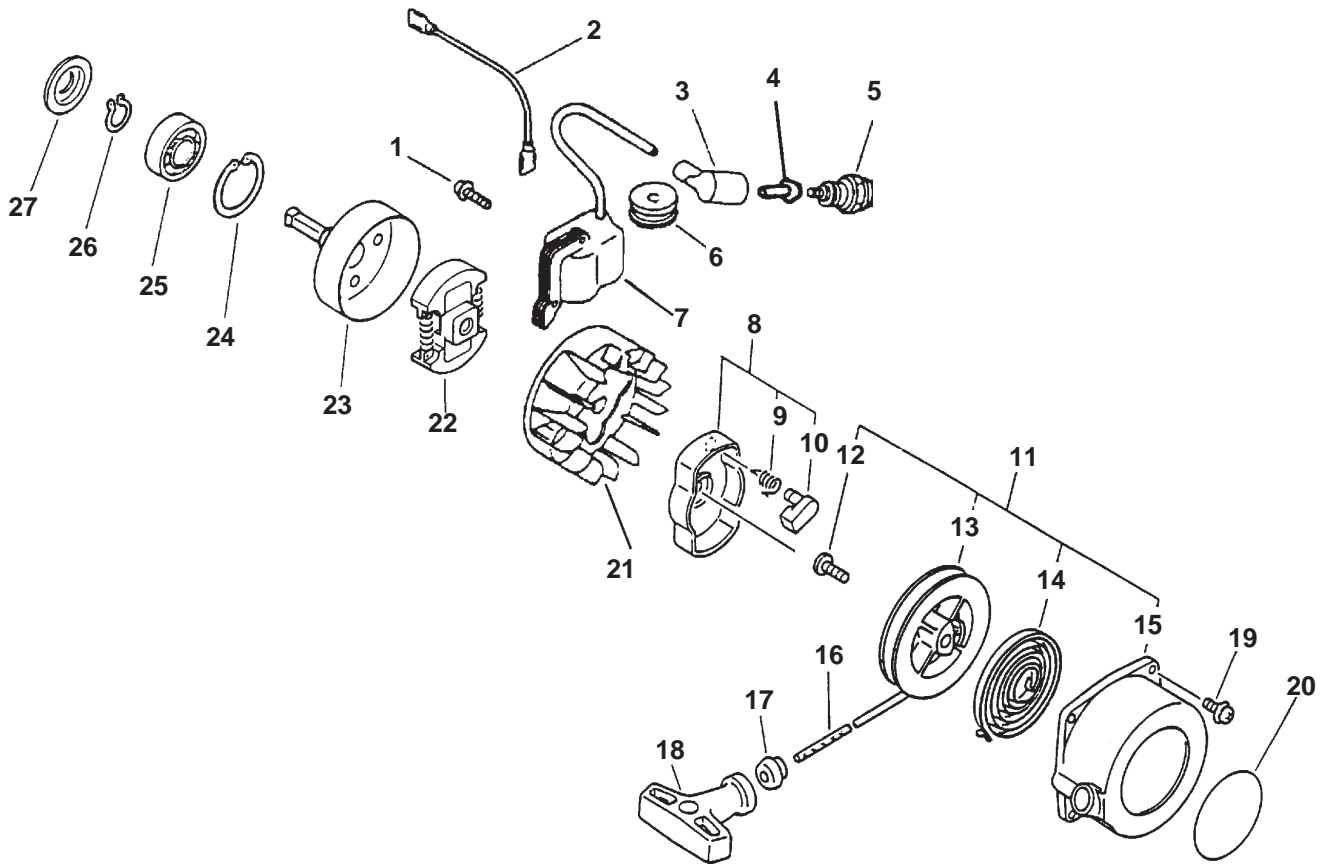
**ECHO, INCORPORATED
400 OAKWOOD ROAD
LAKE ZURICH, IL 60047**

**99922203160
07/03**

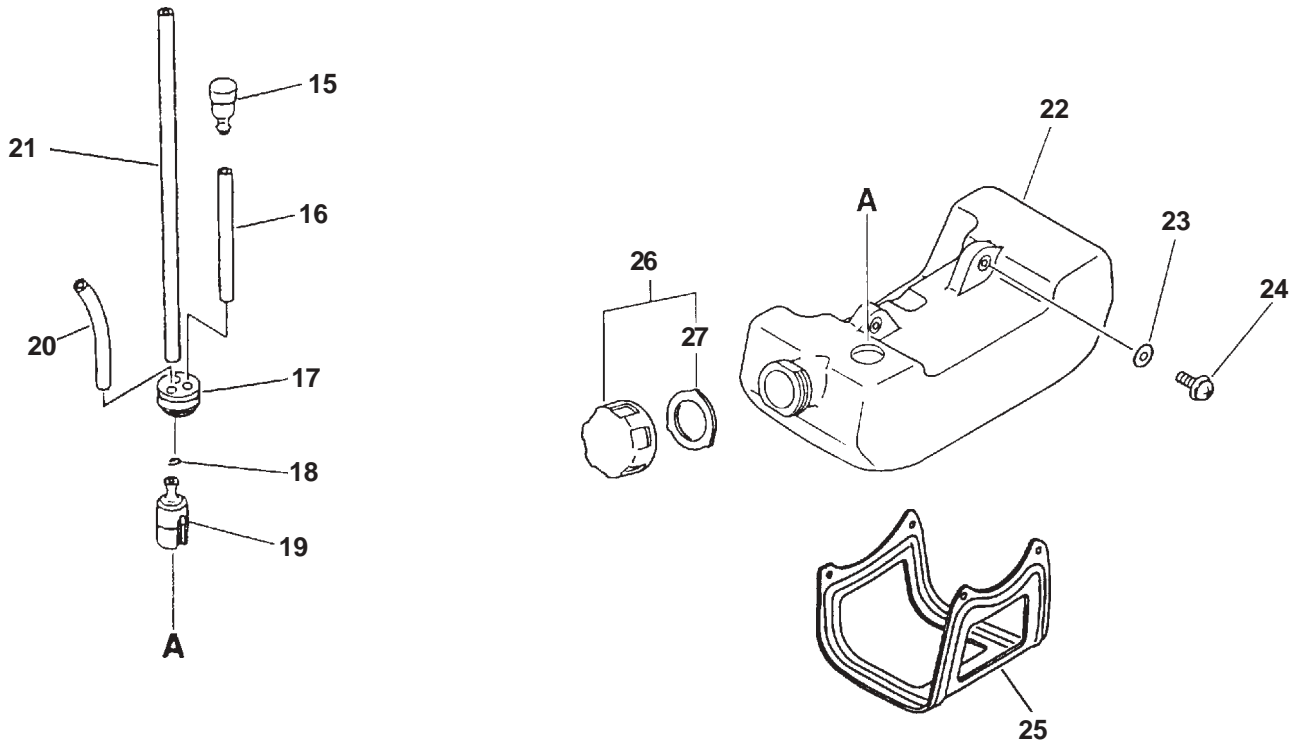
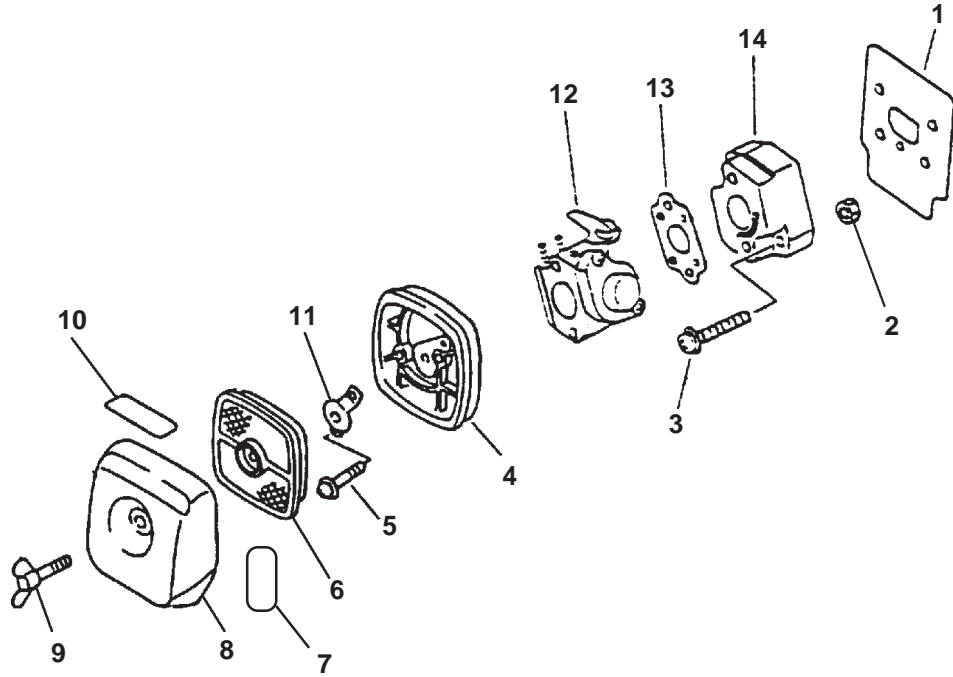


ENGINE\EXTERNAL, INTERNAL, CRANKCASE, FAN HOUSING, CYLINDER COVER PPSR-2433 TYPE 1E

KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
1	10101108961	1	CYLINDER	
2	90016205022	2	BOLT, H.S. 5X22	
3	10101044332	1	GASKET, CYLINDER BASE	INCLUDED IN KIT 88900005960
4	10000009563	1	PISTON KIT	INCLUDES ITEMS 5 - 8
5	10001109560	2	RING, PISTON	
6	10001311520	1	PIN, PISTON	
7	10001504630	2	CIRCLIP, PISTON PIN	
8	10001411520	2	SPACER, PISTON PIN	
9	-----	1	CRANKCASE ASY	INCLUDES ITEMS 10-15 (USE SB1027)
10	10021242030	2	OILSEAL	
11	10021503930	2	PIN, DOWEL	
12	90081036201	2	BEARING, BALL 6201	
13	-----	1	GASKET, CRANKCASE	INCLUDED IN KIT 88900005960
14	90016205028	3	BOLT 5X28	
15	-----	1	CRANKSHAFT ASY	INCLUDES ITEM 16 (USE SB1027)
16	10001251230	1	BEARING, NEEDLE	
17	10150744330	1	COVER, FAN	
18	90016304018	4	BOLT 4X18	
19	90014205028	2	BOLT 5X28	
20	90060500005	2	WASHER, SPRING 5	
21	90060000005	2	WASHER 5	
22	90056550005	2	NUT, SQUARE 5	
23	90025304012	2	SCREW	
24	89011526360	1	LABEL, MODEL	
25	10151444531	1	COVER, CYLINDER	
26	15991244530	1	GUARD, TOP	
27	90025305016	1	SCREW 5X16	
28	89016022660	1	LABEL, CAUTION I.S.O.	
	SB1027	1	SHORT BLOCK	INCLUDES FACTORY ASSEMBLED CYLINDER, CRANKCASE, PISTON, CRANKSHAFT, BEARINGS & SEALS
	88900005960	1	GASKET KIT	INCLUDES THE FOLLOWING
	10101044332	1	GASKET, CYLINDER BASE	
	14586642031	1	GASKET, MUFFLER LID	
	14551042031	2	GASKET, MUFFLER	
	-----	1	GASKET, CRANKCASE	
	13001042032	1	GASKET, INTAKE	
	13001642031	1	GASKET, INTAKE	
	13001005960	1	GASKET, INTAKE	
	61041401260	1	GASKET, GEAR HOUSING	



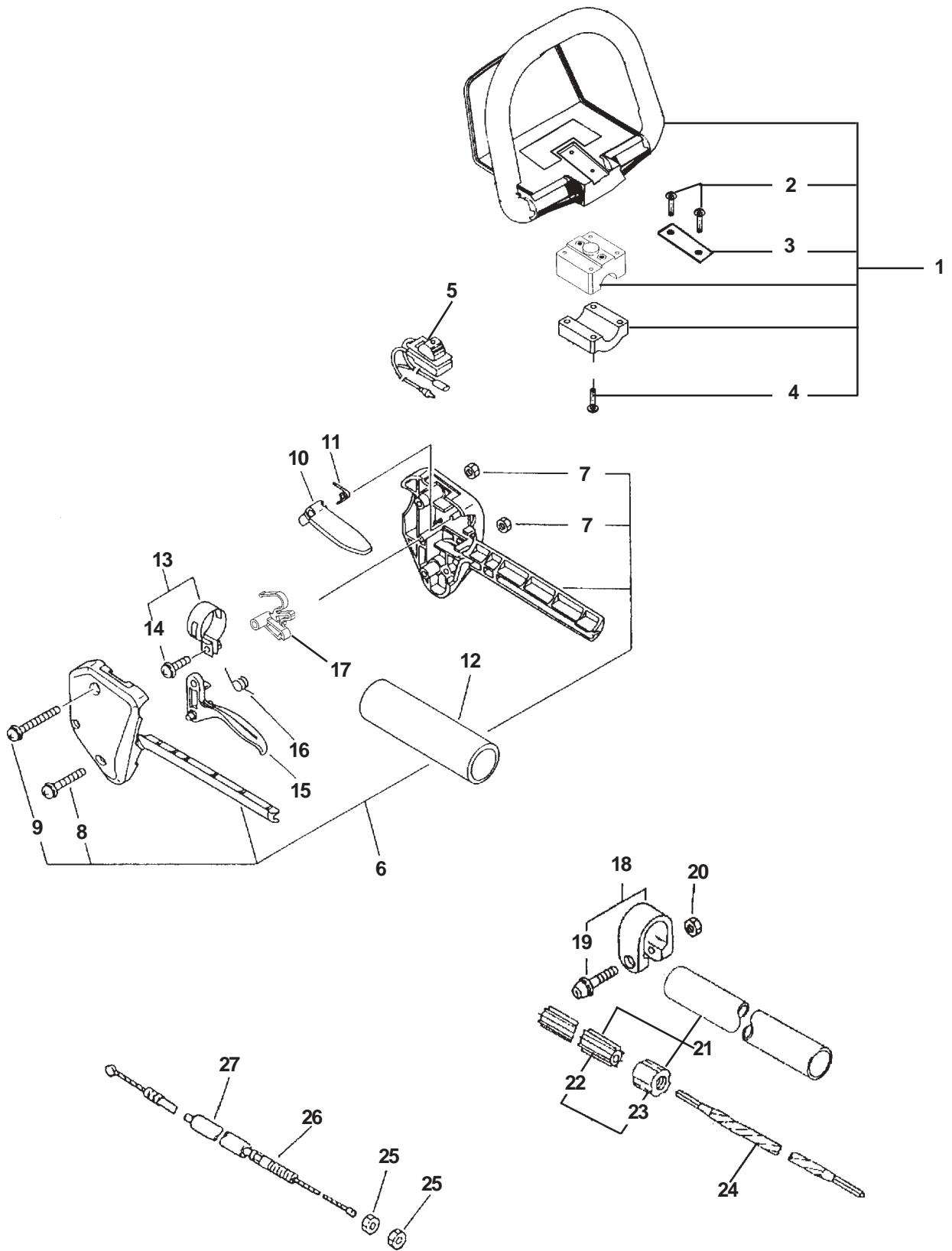
KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
1	90016204022	2	BOLT 4X22	
2	16201052830	1	LEAD	
3	15901201620	1	CAP, SPARK PLUG	
4	15901103432	1	COIL, SPARK PLUG CAP	
5	99944500071	1	PLUG, SPARK BPM-7Y	
5	15901010230	1	PLUG, SPARK BPMR-7A	CANADIAN MODELS ONLY
6	15011244330	1	GROMMET, H.T. CORD	
7	15662652730	1	MODULE, CDI W/O LEAD	
8	17720244330	1	PAWL ASY, STARTER	INCLUDES ITEMS 9 & 10
9	17723442030	1	SPRING, RETURN	
10	17721844330	1	PAWL, STARTER	
11	17720042033	1	STARTER ASY	INCLUDES ITEMS 12 - 18
12	17723644330	1	SCREW	
13	17721544430	1	DRUM, STARTER	
14	17722042030	1	SPRING, REWIND	
15	17723242032	1	HOUSING, STARTER	
16	-----	1	ROPE, STARTER	USE BULK ROPE 999444 00040 DIA. 3.0 MM (.12") X 1000 MM (39.4")
17	17722742030	1	GUIDE, ROPE	
18	17722806530	1	GRIP, STARTER	
19	90016204016	4	BOLT 4X16	
20	89011849130	1	LABEL, ECHO	
21	15680109660	1	FLYWHEEL	
22	17500056830	1	CLUTCH ASY	
23	17500544331	1	DRUM, CLUTCH	
24	90070200032	1	CIRCLIP 32	
25	90081406201	1	BEARING, BALL 6201	
26	90070100012	1	CIRCLIP 12	
27	17505304920	1	STOPPER	
28	14580052630	1	MUFFLER ASY	INCLUDES ITEMS 29 - 35
29	14551042031	2	GASKET, MUFFLER	INCLUDED IN KIT 88900005960
30	14587144331	1	COVER, MUFFLER	
31	14586240630	1	SCREEN, MUFFLER	
32	14586642031	1	GASKET, MUFFLER LID	INCLUDED IN KIT 88900005960
33	14587642030	1	LID, MUFFLER	
34	14581852130	1	GUIDE, EXHAUST	
35	90023804010	3	SCREW 4X10	
36	90010505055	2	BOLT H.S. 5X55	
37	90060000005	2	WASHER 5	



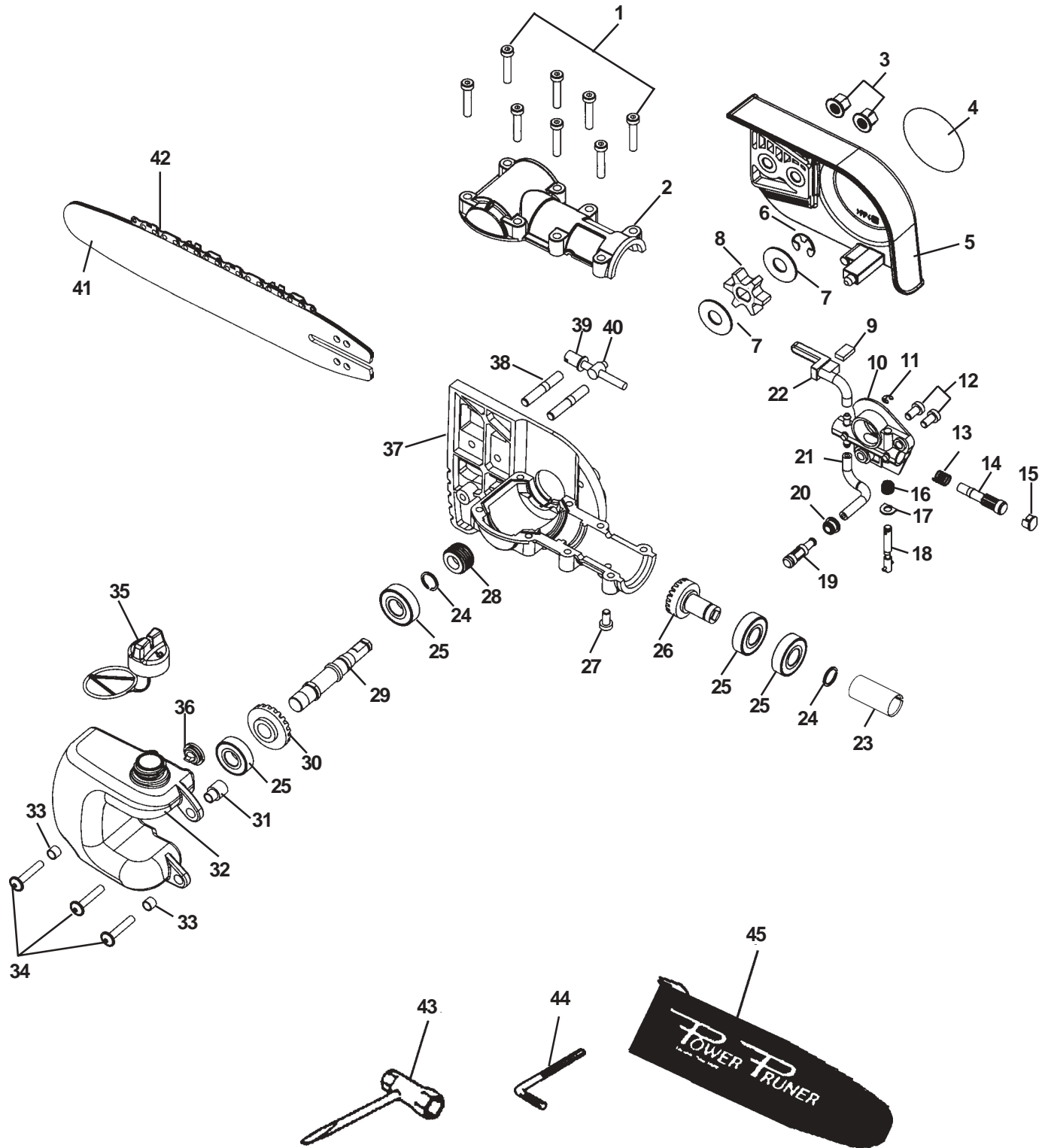
INTAKE, AIR FILTER, FUEL SYSTEM

PPSR-2433 TYPE 1E

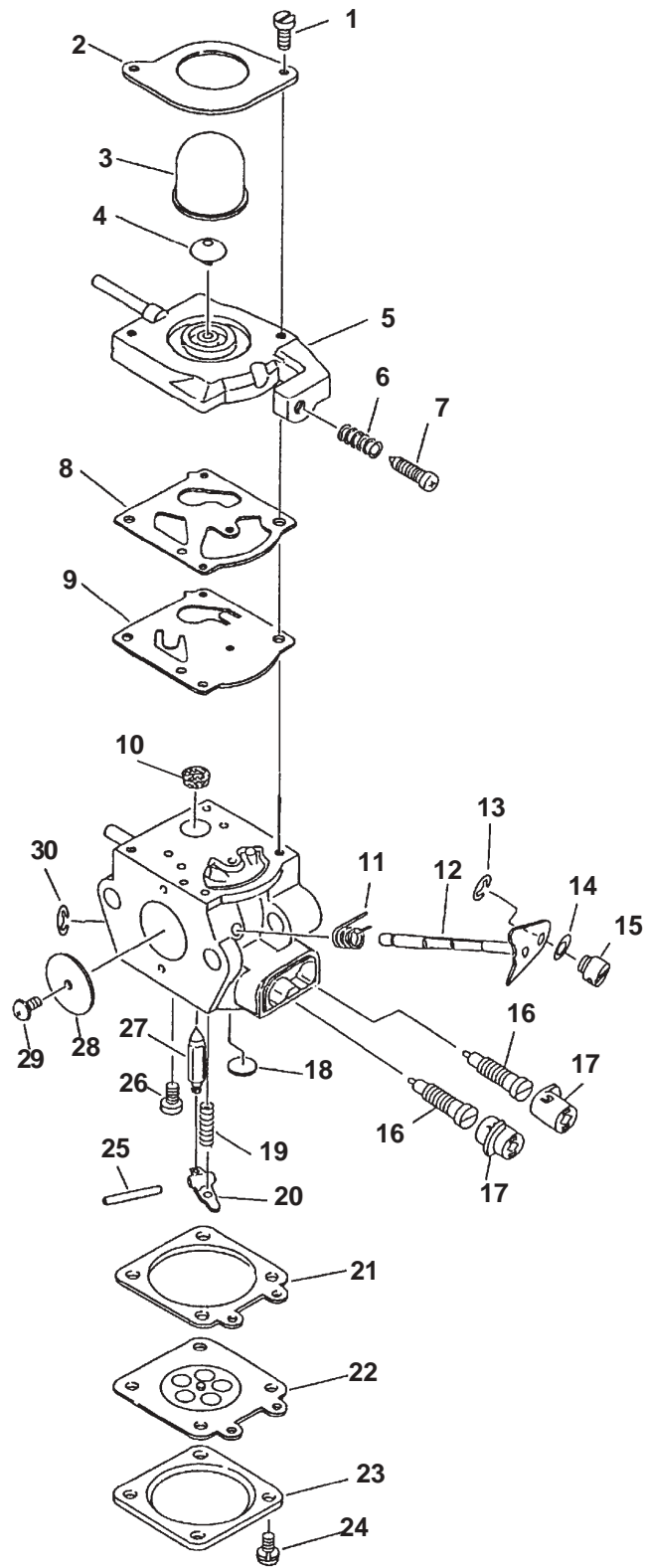
KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
1	13001042032	1	GASKET, INTAKE	INCLUDED IN KIT 88900005960
2	90050000005	2	NUT 5MM	
3	90023805020	2	SCREW 5X20	
4	13030706761	1	CASE, AIR CLEANER	
5	90024205065	2	SCREW 5X65	
6	13031054130	1	FILTER, AIR H.D.	
7	89012155230	1	LABEL, CHOKE	
8	13031305863	1	COVER, AIR CLEANER	
9	21041752730	1	BOLT, WING	
10	89033552730	1	LABEL, METERING	
11	12901106360	1	PLATE, PREVENT	
12	12300052132	1	CARBURETOR WT-424B	
13	13001005960	1	GASKET, INTAKE	INCLUDED IN KIT 88900005960
14	13001742031	1	INSULATOR	
15	13130056430	1	VALVE, CHECK	
16	13131239130	1	PIPE, VENT 3X5X70	
17	13211546730	1	GROMMET, FUEL	
18	13201309820	1	CLIP	
19	13120507320	1	STRAINER, FUEL	
20	13201056330	1	PIPE, RETURN	
21	13201013930	1	PIPE, FUEL	
22	13100546830	1	TANK, FUEL	
23	90060300005	2	WASHER 5MM	
24	90023805016	2	SCREW 5X16	
25	30511042030	1	STAND	
26	13100455830	1	CAP ASY, FUEL TANK	INCLUDES ITEM 27
27	13101655830	1	GASKET, FUEL TANK CAP	



KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
1	35120121560	1	HANDLE ASY	INCLUDES ITEMS 2 - 4
2	90016205030	2	BOLT 5X30	
3	35161105360	1	PLATE, EYE	
4	88995021560	4	SCREW	
5	16340155630	1	SWITCH, IGNITION	
6	17800352730	1	BRACKET SET, THROTTLE	INCLUDES ITEMS 7 - 9
7	90050000005	2	NUT 5	
8	90024205025	1	SCREW 5X25	
9	90024205035	1	SCREW 5X35	
10	17809052630	1	LOCKOUT, THROTTLE CONTROL	
11	17801352630	1	SPRING, THROTTLE LOCKOUT CONTROL	
12	35121352730	1	GRIP, HANDLE THROTTLE	
13	30121252730	1	BAND	INCLUDES ITEM 14
14	90024205014	1	SCREW 5X14	
15	17801052130	1	CONTROL, THROTTLE	
16	17804342230	1	SPRING, THROTTLE RETURN	
17	17801252730	1	LOCKOUT, THROTTLE	
18	61027252730	1	BAND	INCLUDES ITEMS 19 & 20
19	90024205028	1	SCREW 5X28	
20	90050000005	1	NUT 5	
21	61020626360	1	HOUSING ASY, DRIVE SHAFT	INCLUDES ITEMS 22 & 23
22	61021721560	1	LINER, FLEXIBLE	
23	61024655330	2	FIXTURE, LINER	
24	61001321560	1	SHAFT, FLEXIBLE	
25	90050200006	2	NUT 6	
26	17800151030	1	WIRE, THROTTLE	
27	17812721360	1	TUBE	



KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
	90080	1	OILER/GEAR BOX ASY	INCLUDES ITEMS 1 - 39
1	V253000000	8	SCREW 5X25	
2	C531000010	1	CASE, GEAR UPPER	
3	43301903933	2	NUT 6	
4	89011849130	1	LABEL, ECHO	
5	C300000000	1	GUARD, SPROCKET	
6	V583000010	1	RING	
7	17501439130	2	WASHER, CIRCULAR 10	
8	C580000070	1	SPROCKET, DRIVE	
9	43724439130	1	PAD, FOAM	
10	43700239130	1	AUTO OILER ASY	INCLUDES ITEMS 11 - 17
11	12312715030	1	CLIP	
12	V253000010	2	SCREW 5X10	
13	43701938330	1	SPRING, PLUNGER	
14	43702437330	1	PLUNGER ASY	
15	43706237330	1	CAP, OIL PUMP	
16	43701537330	1	SPRING, ADJUSTER	
17	43702937330	1	WASHER	
18	43701639130	1	ADJUSTER, OILER	
19	43620502832	1	STRAINER, OIL	
20	13211501461	1	GROMMET	
21	13011014330	1	IMPULSE PIPE	
22	V470000180	1	PIPE	
23	V362000010	1	COLLAR 22	
24	90070600012	2	CIRCLIP 12	
25	9404206001	4	BEARING, BALL 6001	
26	V651000030	1	GEAR, BEVEL	
27	V253000010	1	SCREW 5X10	
28	43706338330	1	GEAR, WORM	
29	C534000020	1	SHAFT, GEAR	
30	61031122060	1	GEAR, BEVEL	
31	V354000010	1	COLLAR 6	
32	C200000000	1	TANK, OIL	
33	13104528230	2	SPACER	
34	V253000020	3	SCREW 5X16	
35	P021000950	1	CAP, OIL ASY	
36	13131406320	1	VALVE, CHECK	
37	C531000020	1	CASE, GEAR LOWER	
38	V224000000	2	BOLT, STUD 6	
39	43301639131	1	BOLT, TENSIONER	
40	43301403931	1	TENSIONER	
41	1121374401	1	BAR, GUIDE 12" 91 VG	
41	1122374401	1	BAR, INTENZ GUIDE 12" 91 VG	
42	1917044	1	CUTTING CHAIN 12" 91 VG	
43	89541522160	1	TOOL, BOX SPANNER	
44	89561203430	1	L-WRENCH, TOOL 3MM	
45	89851322360	1	COVER, GUIDE BAR	



CARBURETOR

PPSR-2433 TYPE 1E

KEY	PARTNUMBER	QTY	DESCRIPTION	REMARKS
	12300052133	1	CARBURETOR WT-424C	INCLUDES THE FOLLOWING
1	12311043130	2	SCREW	
2	12314209560	1	COVER, PRIMER PUMP	
3	12318109560	1	PUMP, PRIMER	
4	12317135630	1	VALVE, PURGE CHECK	
5	12312443230	1	COVER, FUEL PUMP	
6	12313304260	1	SPRING, IDLE ADJUST	
7	12313404260	1	SCREW, IDLE ADJUST	
8	A B	1	GASKET, FUEL PUMP	
9	A B	1	DIAPHRAGM, FUEL PUMP	
10	A	1	SCREEN, INLET	
11	12311352130	1	SPRING, THROTTLE SHAFT	
12	12311752130	1	SHAFT, THROTTLE	
13	12317307930	1	CLIP	
14	12314926030	1	WASHER	
15	12317226030	1	SWIVEL	
16	12312052131	2	NEEDLE, MIXTURE	
17	12315139230	2	CAP, LIMITER	
18	A	1	PLUG, WELCH	
19	A	1	SPRING, METERING LEVER	
20	A	1	LEVER, METERING	
21	A B	1	GASKET, METERING DIAPHRAGM	
22	A B	1	DIAPHRAGM, METERING	
23	12314203930	1	COVER, METERING DIAPHRAGM	
24	A	4	SCREW	
25	A	1	PIN, METERING LEVER	
26	A	1	SCREW	
27	A	1	VALVE, INLET NEEDLE	
28	12311652130	1	VALVE, THROTTLE	
29	12311403930	1	SCREW	
30	12312715030	1	CLIP	
A	12310052130	1	REBUILDKIT	
B	12310152130	1	GASKET/DIAPHRAGM KIT	