



AVAILABLE ATTACHMENTS & ACCESSORIES

917045	CHAIN - 12"
917052	CHAIN - 14"
917057	CHAIN - 16"
120374501	BAR - 12"
122374501	BAR - 12" INTENZ
140375201	BAR - 14"
142375201	BAR - 14" INTENZ
160375701	BAR - 16"
162375701	BAR - 16" INTENZ
99988800207	REMOVABLE NOSE CASE

PARTS CATALOG

CHAIN SAW

CS-3450 Type 1

SERIAL NUMBERS: 001001 & UP

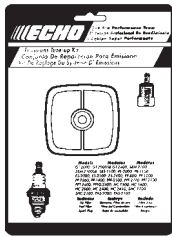
CS-3450 Type 1E

SERIAL NUMBERS: 001001 & UP

ECHO, INCORPORATED

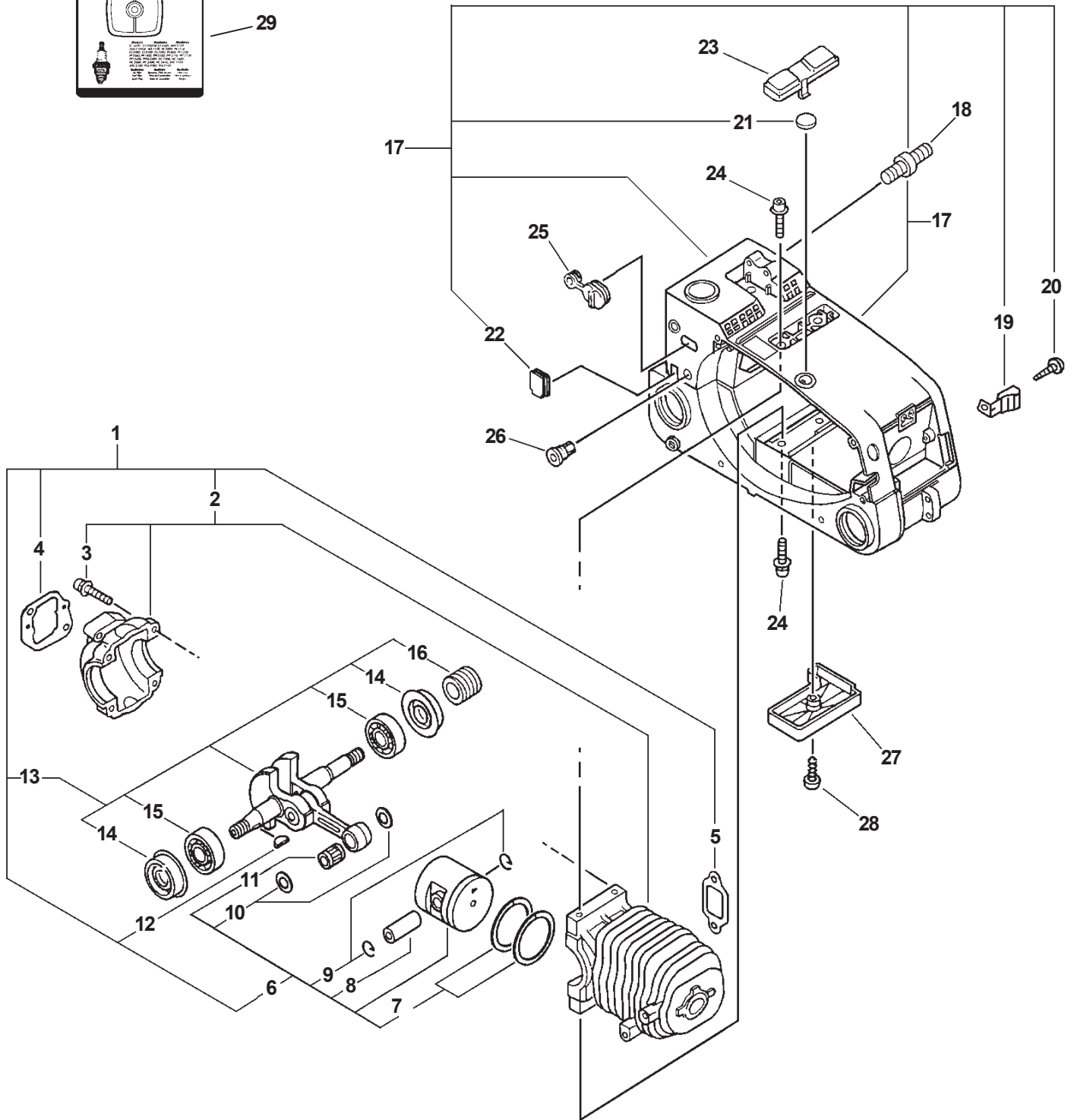
400 Oakwood Road Lake Zurich, Illinois 60047

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MAINTENANCE KIT

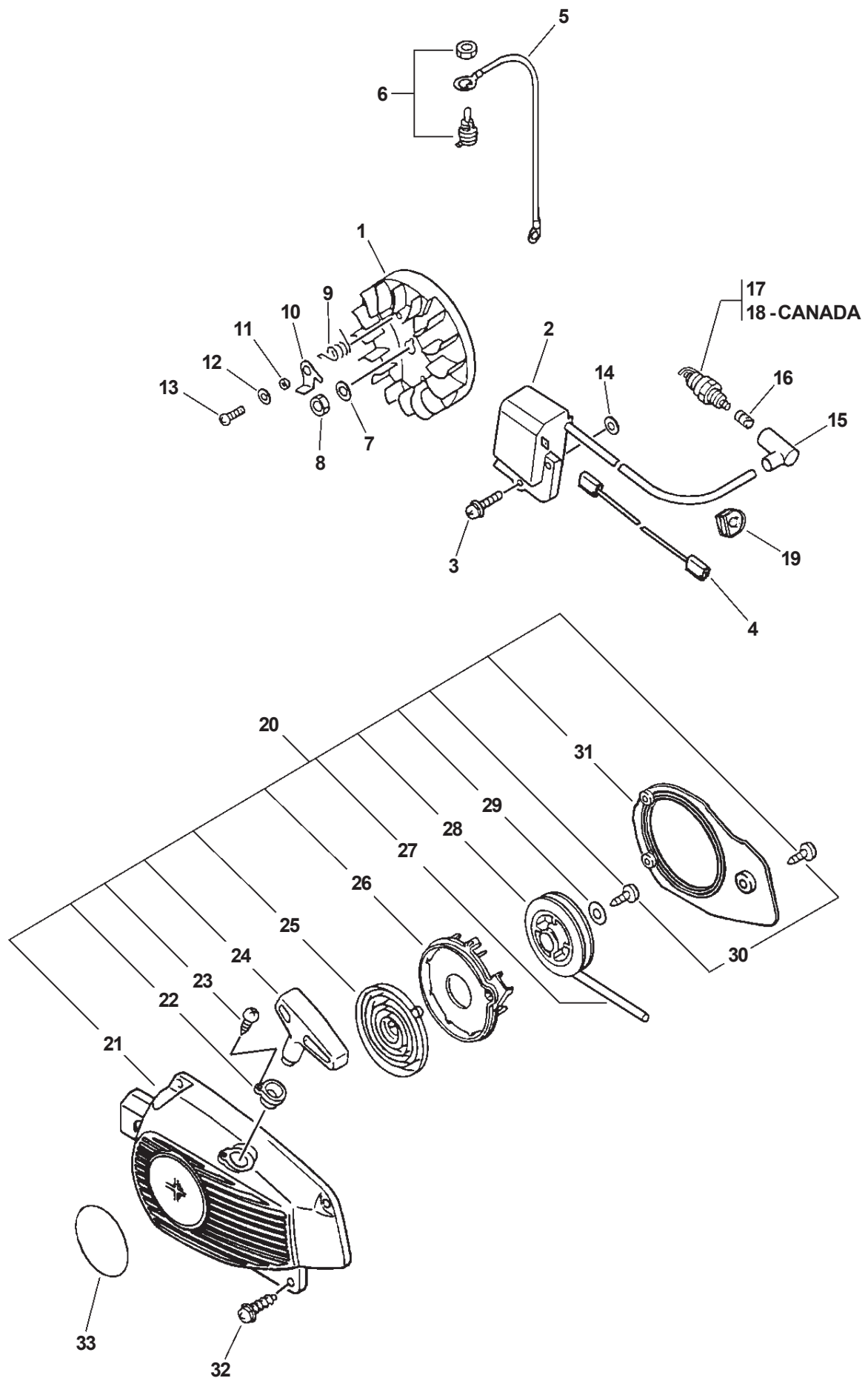
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CS-3450 TYPE 1, 1E

ENGINE, SHORT BLOCK, ENGINE COVER

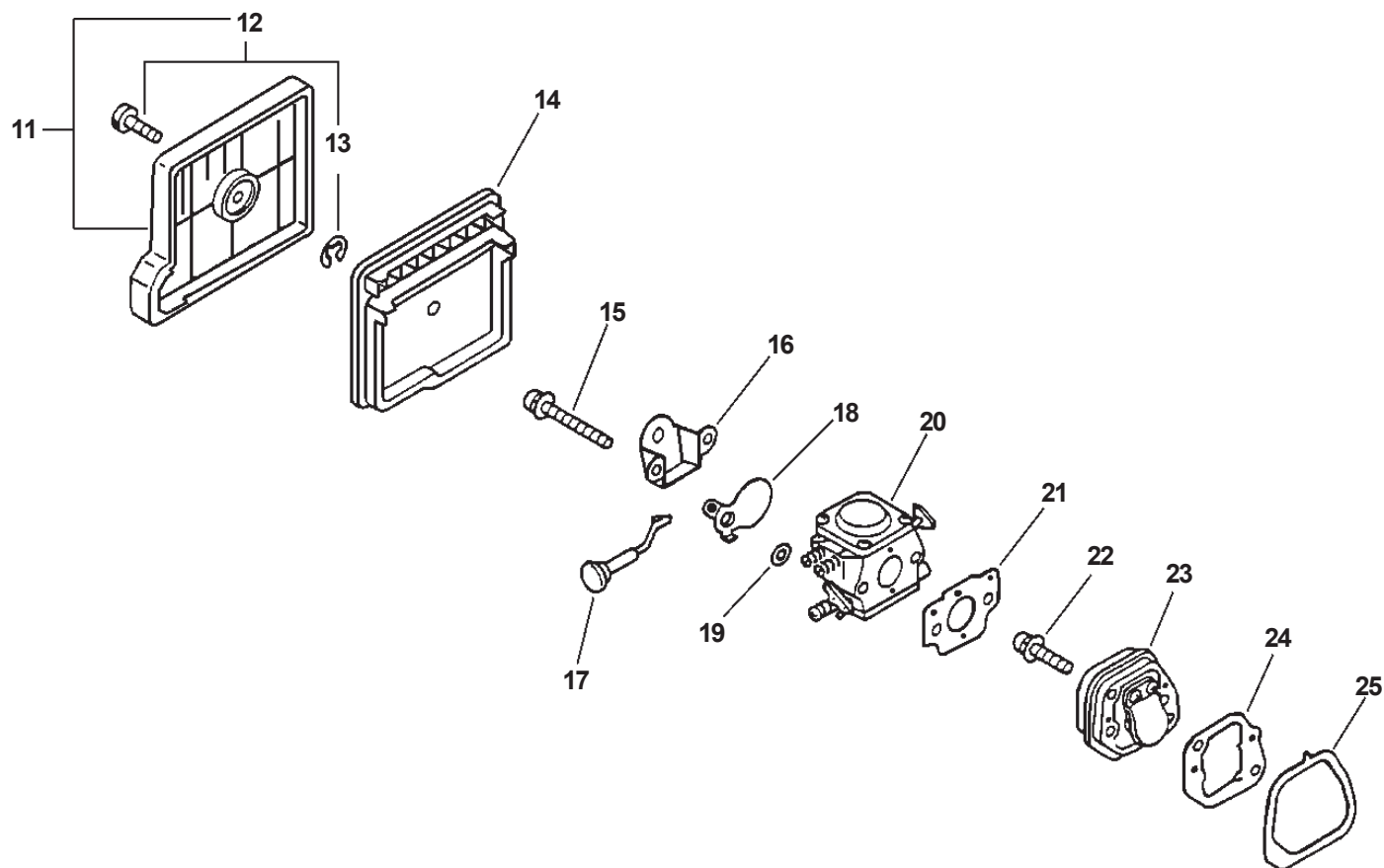
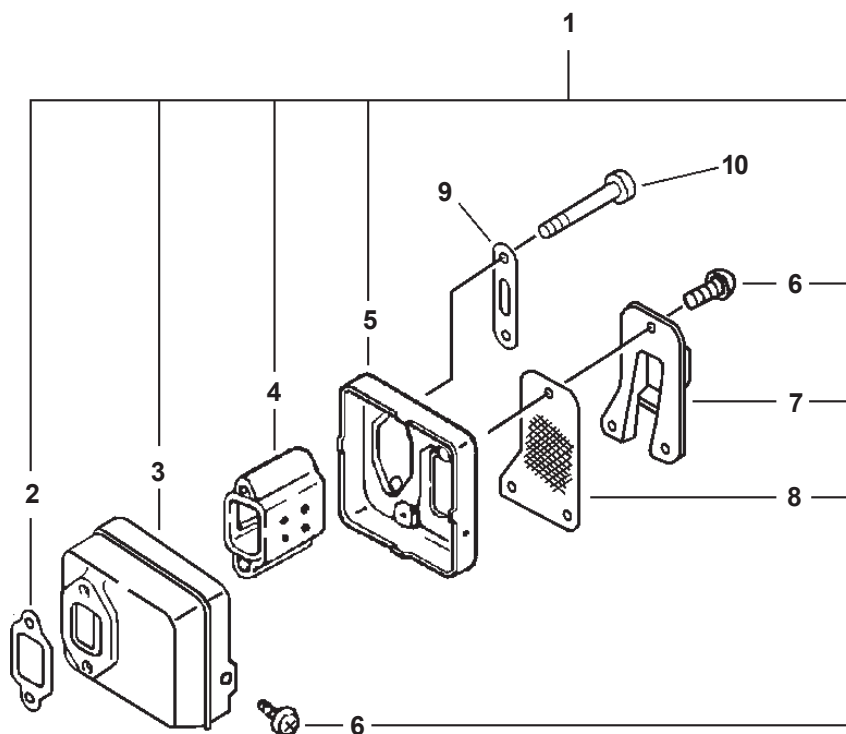
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>OPTIONAL ENGINE REPOWER</u>				
1	SB1019	1	SHORT BLOCK	INCLUDES 2-16
2	-----	1	CRANKCASE SET	INCLUDES ITEM 3
3	90023805025	4	SCREW, 5X25	
4	V103000120	1	GASKET, INTAKE	
5	14551013931	1	GASKET, EXHAUST	
6	10000039530	1	PISTON KIT	INCLUDES ITEMS 7-11
7	10001113330	2	RING, PISTON	
8	10001315330	1	PIN, PISTON	
9	10001504630	2	CIRCLIP, PISTON PIN	
10	10001411520	2	SPACER, PISTON PIN	
11	17501203930	1	BEARING, NEEDLE	
12	10014242030	1	KEY, WOODRUFF	
13	-----	1	CRANKSHAFT ASY	INCLUDES ITEMS 14-16
14	10021338330	2	SEAL, OIL	
15	90081036201	2	BEARING, BALL 6201	
16	43706338330	1	GEAR, WORM	
<u>TYPE 1 - S/N 001001 & UP, TYPE 1E - S/N 001001-617761 CANADA - S/N 001001-005119</u>				
17	10400439231	1	COVER KIT, ENGINE	INCLUDES ITEMS 18-22
18	43301103931	2	STUD, GUIDE BAR	
19	10421539131	1	LATCH	TYPE 1E & CANADA - S/N 001001-004033
20	90025304010	1	SCREW, 4X10	TYPE 1E & CANADA - S/N 001001-004033
21	16391139130	1	PLUG, OILER	
22	10403439130	1	PLUG	
<u>TYPE 1E - S/N 617762 & UP, CANADA - S/N 005120 & UP</u>				
17	A190000021	1	COVER KIT, ENGINE	INCLUDES ITEM 18
18	43301103931	2	STUD, GUIDE BAR	
<u>S/N 001001 & UP</u>				
23	10402939230	1	GROMMET	
24	90010605016	4	BOLT, 5X16	
25	12901039130	1	GROMMET, NEEDLE	TYPE 1
25	17881039630	1	GROMMET, CHOKE	TYPE 1E
26	12902339130	1	GROMMET, IDLE	
27	10404439230	1	COVER	
28	90025604016	1	SCREW, 4X16	
<u>OPTIONAL</u>				
29	90068	1	MAINTENANCE KIT	INCLUDES ITEMS 30-32
30	13031039131	1	FILTER, AIR (NOT SHOWN)	
31	13120507320	1	FILTER, FUEL (NOT SHOWN)	
32	15901010630	1	PLUG, SPARK -- BPM-7A (NOT SHOWN)	



CS-3450 TYPE 1, 1E

IGNITION, STARTER ASSEMBLY

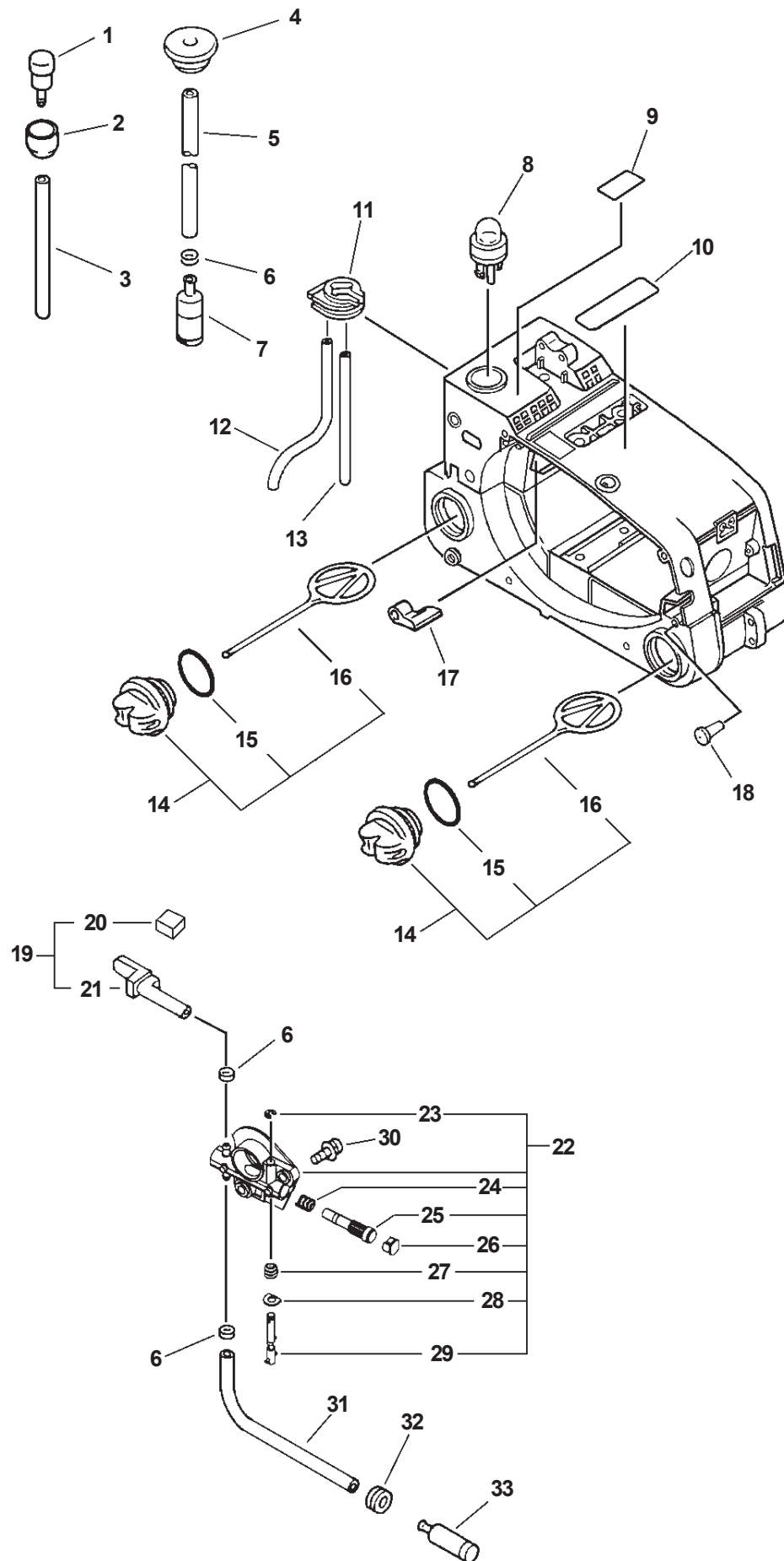
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>TYPE 1 - S/N 001001-019750 CANADA - S/N 001001-002141, TYPE 1E - S/N 001001-558735</u>				
1	15680039530	1	FLYWHEEL	
<u>TYPE 1 - CANADA - S/N 002142 & UP, TYPE 1E - S/N 558736 & UP</u>				
1	15680039230	1	FLYWHEEL	
<u>TYPE 1 - S/N 001001-019750 CANADA - S/N 001001-002141, TYPE 1E - S/N 001001-558735</u>				
2	15662639530	1	COIL, IGNITION	
3	90023805020	2	SCREW, 5X20	
4	16201039430	1	LEAD	
<u>TYPE 1 - S/N 019751 & UP CANADA - S/N 002142, TYPE 1E - S/N 558736 & UP</u>				
2	15662639130	1	COIL, IGNITION	
3	90023805022	2	SCREW, 5X22	
4	16201039430	1	LEAD	
2	1568003563	1	FLYWHEEL	
S/N 001001 & UP				
5	16201039131	1	LEAD	
6	16340019830	1	SWITCH, IGNITION	
7	90060000008	1	WASHER 8	
8	90050000008	1	NUT 8	
9	17723435430	2	SPRING, RETURN	
10	17721835631	2	PAWL, STARTER	
11	17724704630	2	SPACER, RATCHET	
12	90060300005	2	WASHER 5	
13	90021605012	2	SCREW, 5X12	
14	15011716430	2	SPACER	
15	15901201620	1	CAP, SPARK PLUG	
16	15901103432	1	COIL, SPARK PLUG CAP	
17	15901010630	1	SPARK PLUG -- BPM-7A	US MODELS
18	15901010230	1	SPARK PLUG	CANADA MODELS
19	15611004920	1	GROMMET	
20	17720039631	1	STARTERASY	INCLUDES ITEMS 20-30
21	17723239532	1	COVER, STARTER	
22	17722739131	1	GUIDE, ROPE	
23	90029603014	1	SCREW, 3X14	
24	17722835430	1	GRIP, STARTER	
25	17722039630	1	SPRING, REWIND	
26	17722139630	1	PLATE, STARTER	
27	17722606530	1	ROPE, STARTER - 3X 850mm	BULK OPTION: 99944440000
28	17721535632	1	DRUM, STARTER	
29	17721404630	1	WASHER	
30	90025304014	4	SCREW, 4X14	
31	10153439530	1	PLATE, GUIDE	
32	90025604016	4	SCREW, 4X16	
33	89011849330	1	LABEL, ECHO	



CS-3450 TYPE 1, 1E

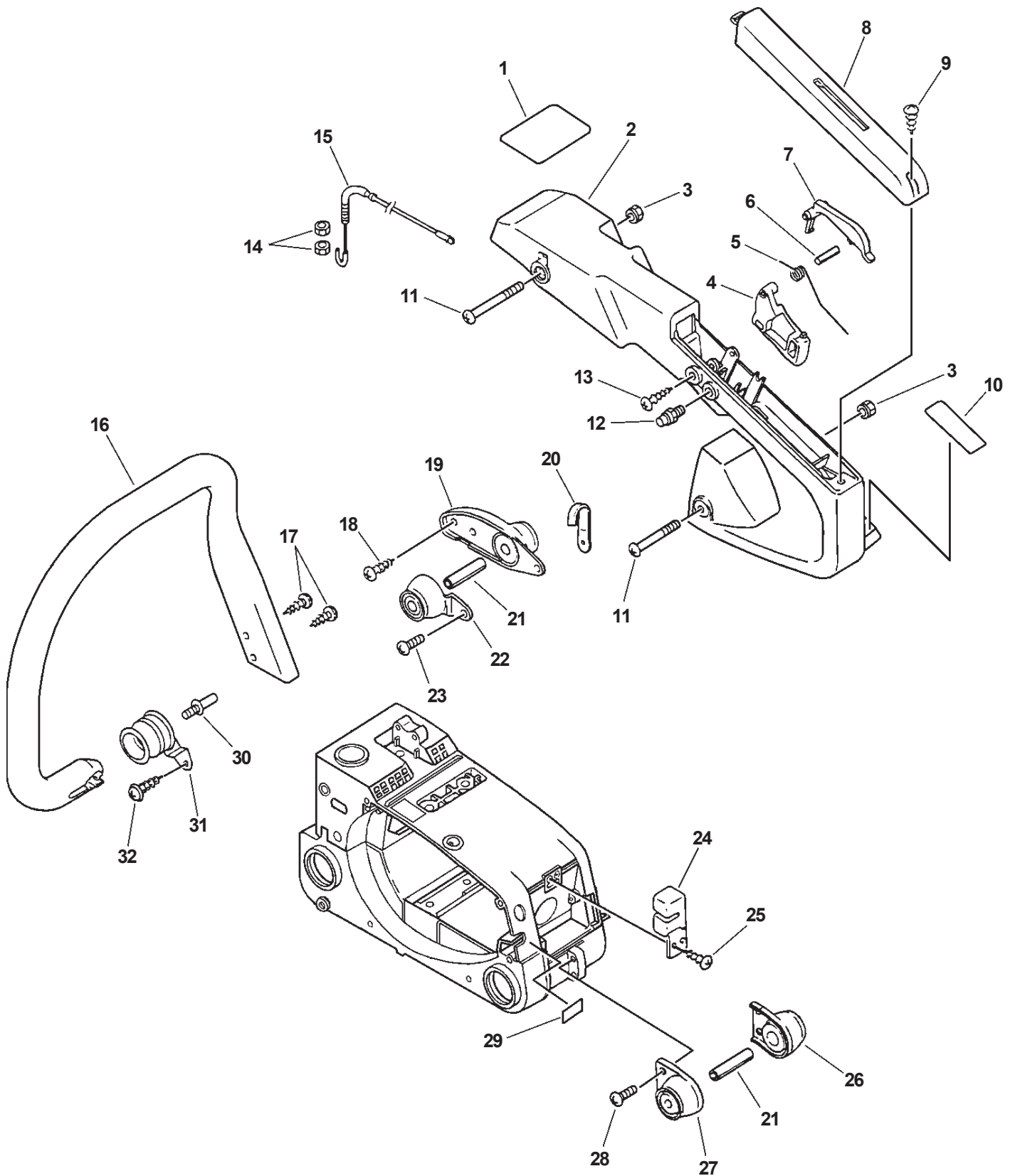
INTAKE, EXHAUST

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>S/N001001 & UP</u>				
1	14580335532	1	MUFFLER ASY	INCLUDES ITEMS 2-8
2	14551013931	1	GASKET, MUFFLER	
3	14585813931	1	MUFFLER	
4	14585913930	1	SILENCER	
5	14586135530	1	LID, MUFFLER	
6	90025004008	4	SCREW, 4X8	
7	14587635530	1	GUIDE, EXHAUST	
8	14586213931	1	SCREEN, MUFFLER	
9	14564213930	1	PLATE, EYE	
10	10102313930	2	BOLT, MUFFLER	
11	13030239133	1	CLEANER LID ASY	INCLUDES ITEMS 12-13
12	13040613932	1	BOLT ASY	INCLUDES ITEMS 13
13	90070000004	1	E-RING 4	
14	13031039131	1	FILTER, AIR	
15	90023805045	2	SCREW, 5X45	
16	12901139130	1	PLATE, PREVENT	
17	17851039230	1	ROD, CHOKE	
18	17851539130	1	SHUTTER, CHOKE	
19	17851603930	2	WASHER	
20	<u>TYPE 1 - S/N 001001-025666</u>			
	12300060131	1	CARBURETOR -- WT-385A	
20	<u>TYPE 1 - S/N 025667 & UP, TYPE 1E - S/N 001001 & UP</u>			
	12300139132	1	CARBURETOR -- WT-402A	
<u>S/N001001 & UP</u>				
21	v103000021	1	GASKET, INTAKE	
22	90025005018	2	SCREW, 5X18	
23	13000039131	1	INSULATOR KIT	
24	v103000120	1	GASKET, INTAKE	
25	13001239130	1	SEAL	



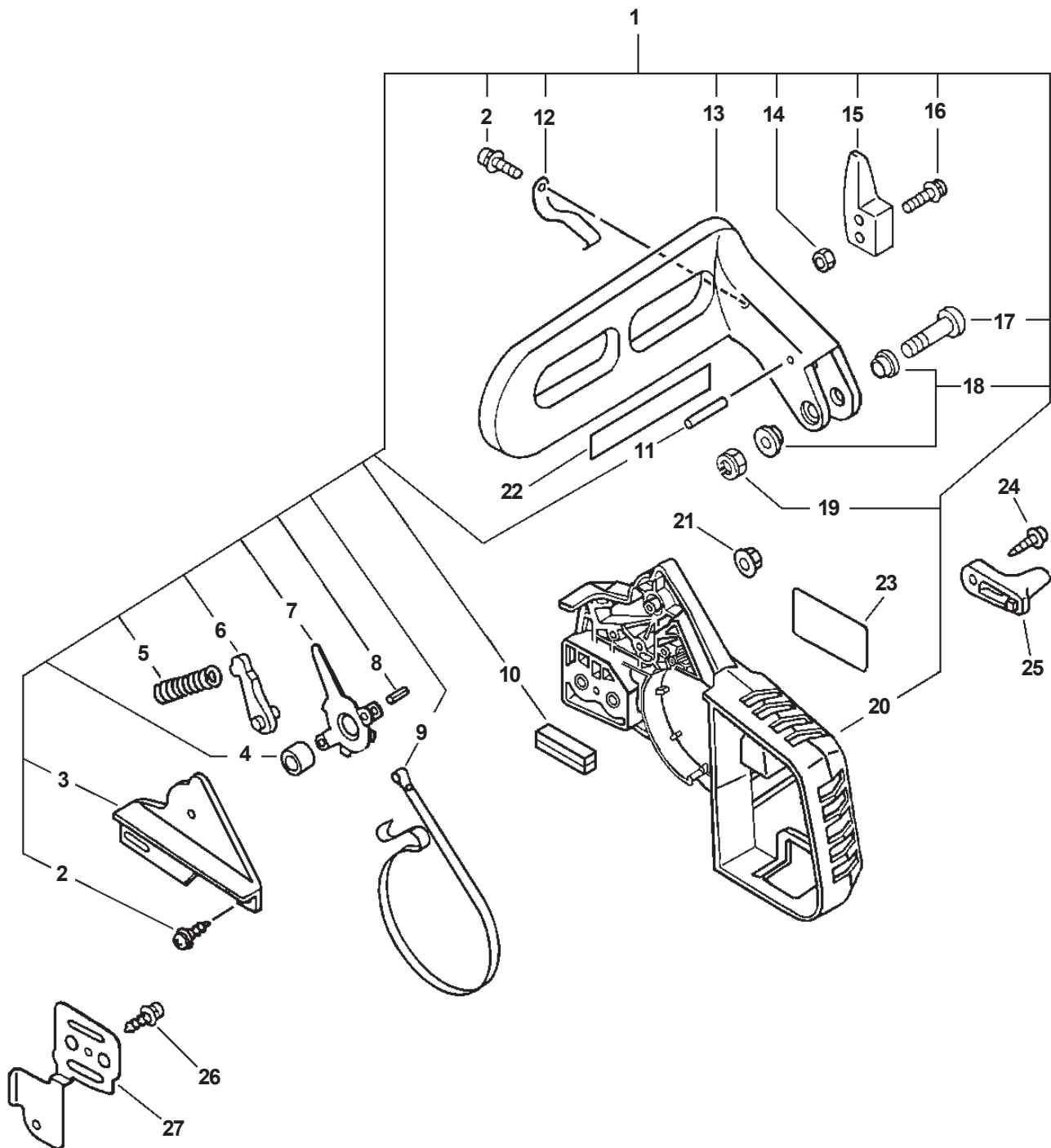
CS-3450 TYPE 1, 1E**FUEL SYSTEM, OIL SYSTEM**

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	A356000030	1	VALVE, CHECK	
2	13132839130	1	COVER, VENT	
3	13201039230	1	PIPE, VENT - 3X5X100mm	BULK OPTION: 90014
4	13211539130	1	GROMMET, FUEL	
5	13201239130	1	PIPE, FUEL - 3X6X160mm	BULK OPTION: 90015
6	13201326630	3	CLIP	
7	13120507320	1	FILTER, FUEL	
8	12318139130	1	PUMP, PURGE	
9	89016739230	1	LABEL, PURGE PUMP	
10	89022839130	1	LABEL, CAUTION	
11	13275839130	1	BRACKET, PUMP	
12	13271639130	1	PIPE, RETURN - 2X4X42mm	BULK OPTION: 90018
13	13131239130	1	PIPE, PURGE - 3X5X70mm	BULK OPTION: 90014
14	43600139231	2	CAP, TANK	INCLUDES ITEMS 15-16
15	90072100025	2	O-RING 25	
16	13105119830	2	CLIP, FUEL CAP	
17	13033639530	1	PLUG	
18	43611413930	1	VALVE, CHECK	
19	43720139130	1	PIPE KIT	INCLUDES ITEMS 20-21
20	43724439130	1	PAD, FOAM	
21	43721139132	1	PIPE, OIL	
22	43700239130	1	AUTO-OILERASY	INCLUDES ITEM 23-29
23	12312715030	1	CLIP	
24	43701938330	1	SPRING	
25	43702437330	1	PLUNGER	
26	43706237330	1	CAP, OIL PUMP	
27	43701537330	1	SPRING	
28	43702937330	1	WASHER	
29	43701639130	1	NEEDLE, ADJUST	
30	90023505012	2	SCREW, 5X12	
31	V471000110	1	PIPE - 3X6X115mm	BULK OPTION: 90015
32	13211501461	1	GROMMET	
33	43620502832	1	STRAINER, OIL	



CS-3450 TYPE 1, 1E**HANDLES, THROTTLE CONTROL**

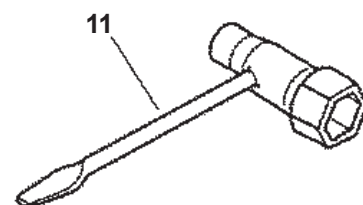
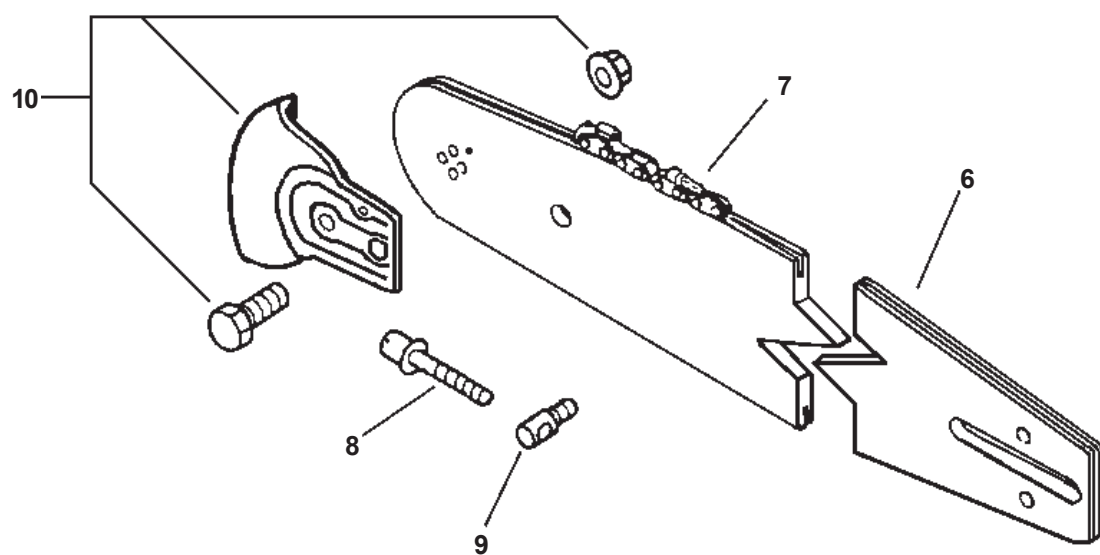
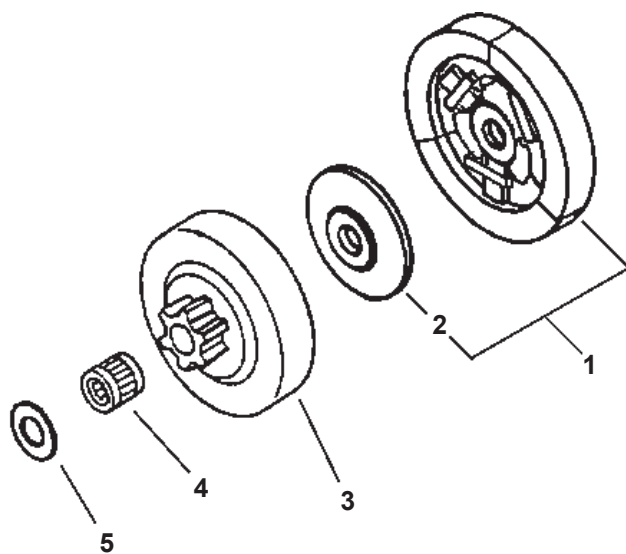
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	89019130131	1	LABEL, KICK BACK	
2	35111039431	1	HANDLE, REAR	
3	90051600005	2	NUT, FLANGE 5	
4	17801039430	1	CONTROL, THROTTLE	
5	17809139430	1	SPRING, THROTTLE LOCKOUT	
6	90033040200	1	ROLLER, 4X19.8	
7	17809039430	1	LOCKOUT, THROTTLE	
8	35115539430	1	COVER, HANDLE	
9	90025604022	1	SCREW, 4X22	
10	89022839130	1	LABEL, CAUTION	
11	90023805057	2	SCREW, 5X57	
12	17830237930	1	LATCH, THROTTLE	
13	90025304025	1	SCREW, 4X25	
14	90050200006	2	NUT 6	
15	17800139430	1	WIRE, THROTTLE	
16	35161039430	1	HANDLE, FRONT	
17	90025305020	2	SCREW, 5X20	
18	90025304010	2	SCREW, 4X10	
19	10091039430	1	CUSHION - UPPER	
20	15911318430	1	CLIP	
21	10092439430	2	COLLAR, 5	
22	10091739431	1	CUSHION - UPPER	
23	90023804010	1	SCREW, 4X10	
24	10092139430	1	CUSHION	
25	90025304014	2	SCREW, 4X14	
26	35162139430	1	CUSHION - LOWER	
27	35162439430	1	CUSHION - LOWER	
28	90023804014	2	SCREW, 4X14	
29	89015737330	1	LABEL, SWITCH	
30	10091533930	1	SCREW	
31	10091035630	1	CUSHION	
32	90025604016	1	SCREW, 4X16	



CS-3450 TYPE 1

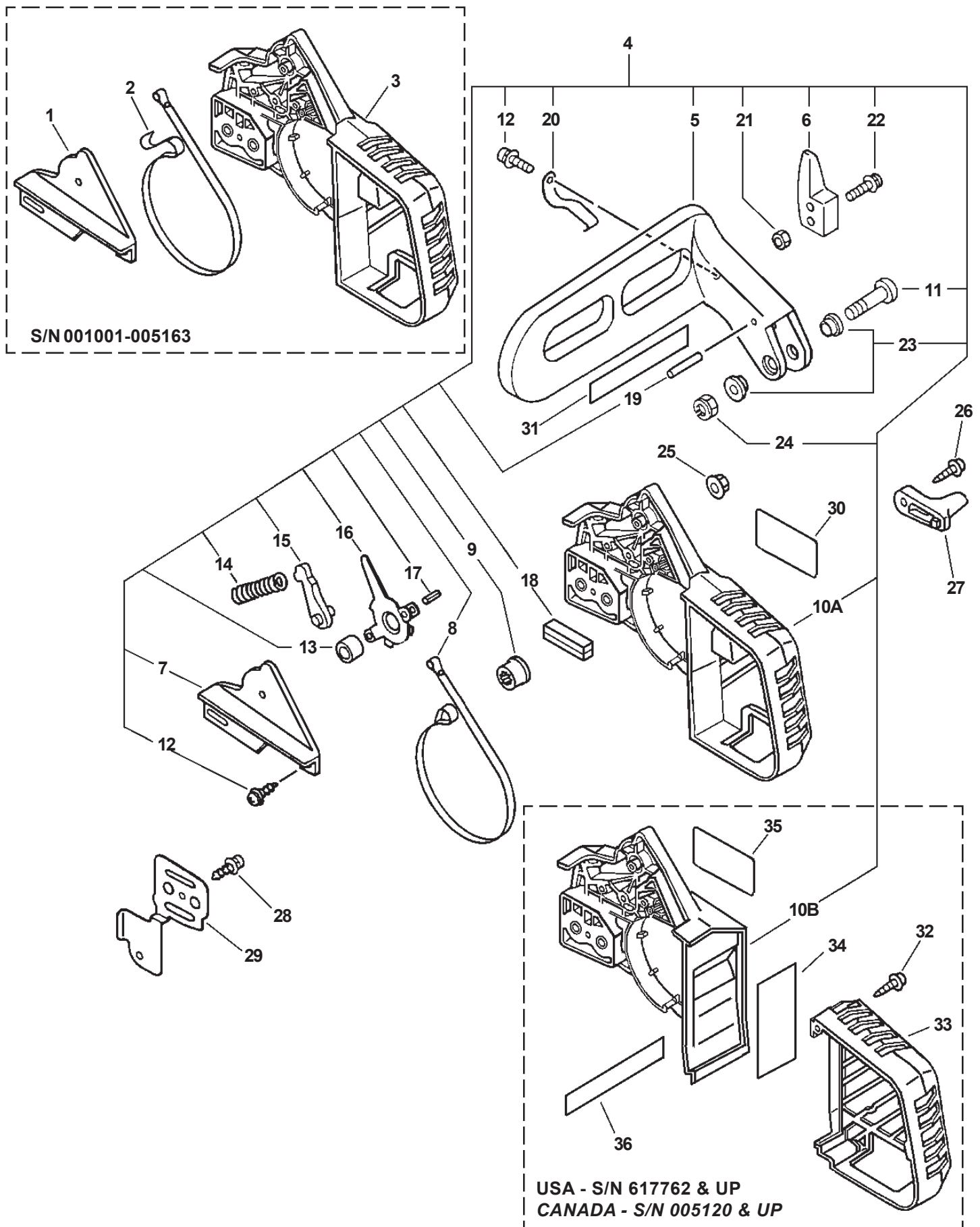
CHAIN BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>S/N001001 & UP</u>				
1	43310039230	1	CHAIN BRAKE KIT	INCLUDES ITEMS 2-20
2	90025304010	4	SCREW, 4X10	
3	43331039530	1	COVER, BRAKE	
4	43311635430	1	SPACER, 8X12X9	
5	43312235430	1	SPRING, BRAKE	
6	43320935430	1	STOPPER, BRAKE	
7	43320835431	1	LEVER, BRAKE	
8	90033040088	1	ROLLER	
9	43312339130	1	BAND, BRAKE	
10	43331232630	1	COVER, SEAL	
11	90033040238	1	ROLLER, 4X23.8	
12	43311439130	1	SPRING	
<u>S/N001001-025666</u>				
13	43311160531	1	LEVER, BRAKE	
<u>S/N 025667 & UP</u>				
13	43314739631	1	LEVER, BRAKE	
<u>S/N001001 & UP</u>				
14	90050000004	2	NUT 4	
15	43317139630	1	WEIGHT, BRAKE	
16	90023804020	2	SCREW, 4X20	
17	90020905030	1	SCREW, 5X30	
18	43316739130	2	SPACER	
19	90056000005	1	LOCKNUT 5	
20	43300539530	1	GUARD, SPROCKET	
21	43301903933	2	NUT, FLANGE 6	
22	89019239531	1	LABEL, BAR & CHAIN	US MODELS
22	89035439131	1	LABEL, BAR & CHAIN	CANADA MODELS
23	89015139530	1	LABEL, MODEL	
24	90025305020	1	SCREW, 5X20	
25	43302635430	1	CATCHER, CHAIN	
26	90025304010	1	SCREW, 4X10	
27	43301239131	1	PLATE, GUIDE	

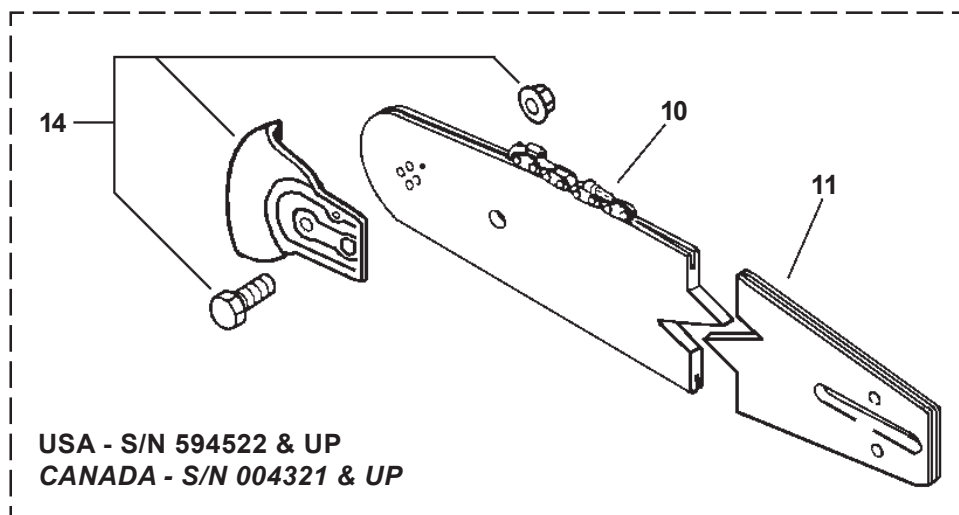
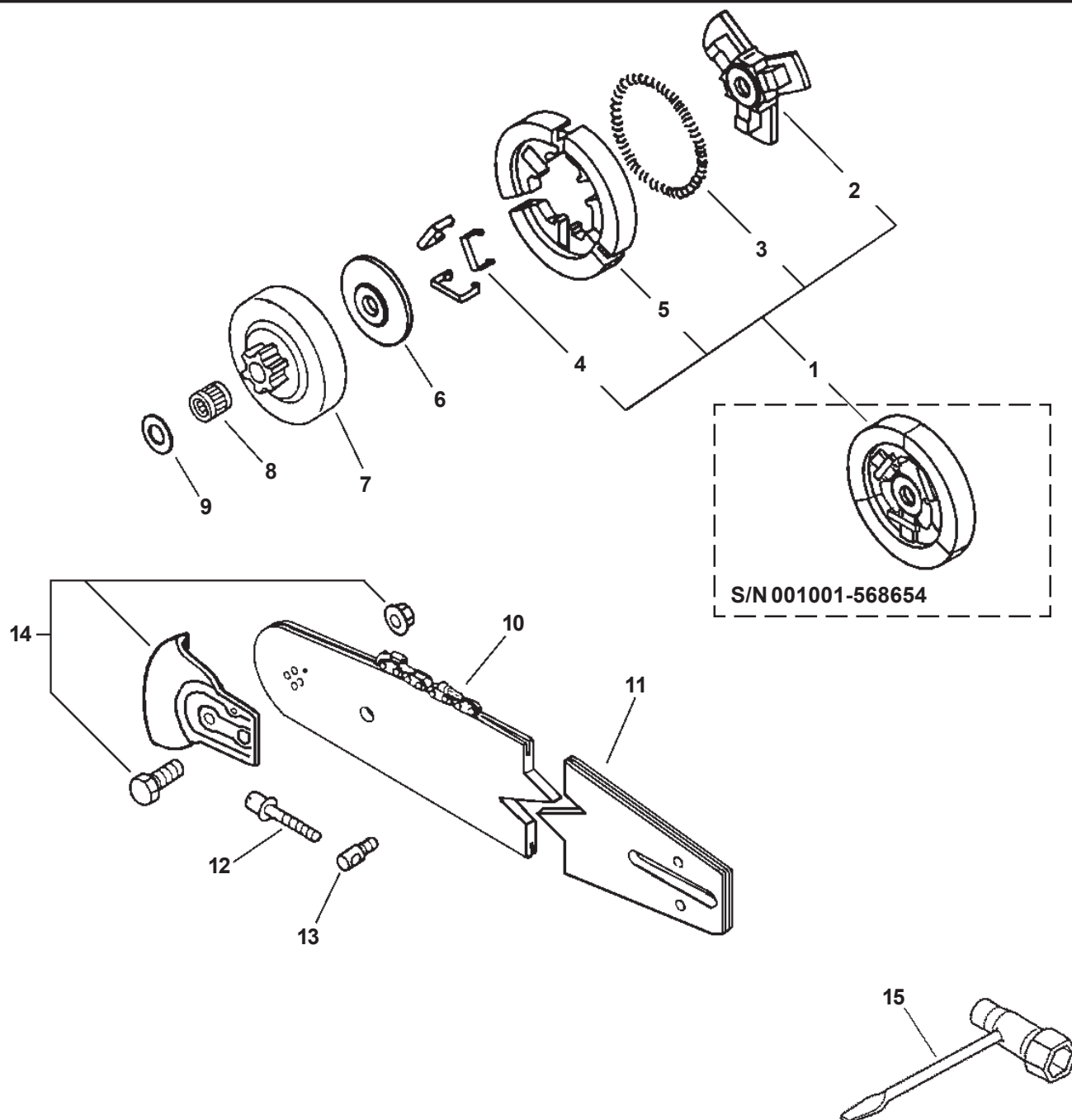


CS-3450 TYPE 1**CLUTCH ASSEMBLY, BAR & CHAIN, TOOLS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	P021000260	1	CLUTCHASY	INCLUDES ITEM 2
2	17501939430	1	PLATE, CLUTCH	
3	17500539131	1	DRUM, CLUTCH	
4	17501235630	1	BEARING, NEEDLE	
5	17501439130	1	WASHER, CLUTCH	
6	120374501	1	BAR, GUIDE - 12" DOUBLE GUARD	
6	140375201	1	BAR, GUIDE - 14" DOUBLE GUARD	
6	160375701	1	BAR, GUIDE - 16" DOUBLE GUARD	
7	917045	1	CHAIN, SAW - 91VG-45E - 12"	
7	917052	1	CHAIN, SAW - 91VG-52E - 14"	
7	917057	1	CHAIN, SAW - 91VG-57E - 16"	
8	43301639131	1	BOLT	
9	43301403931	1	TENSIONER	
10	2894901	1	KICK GUARD KIT	
11	89541039130	1	WRENCH, W/SCREWDRIVER	

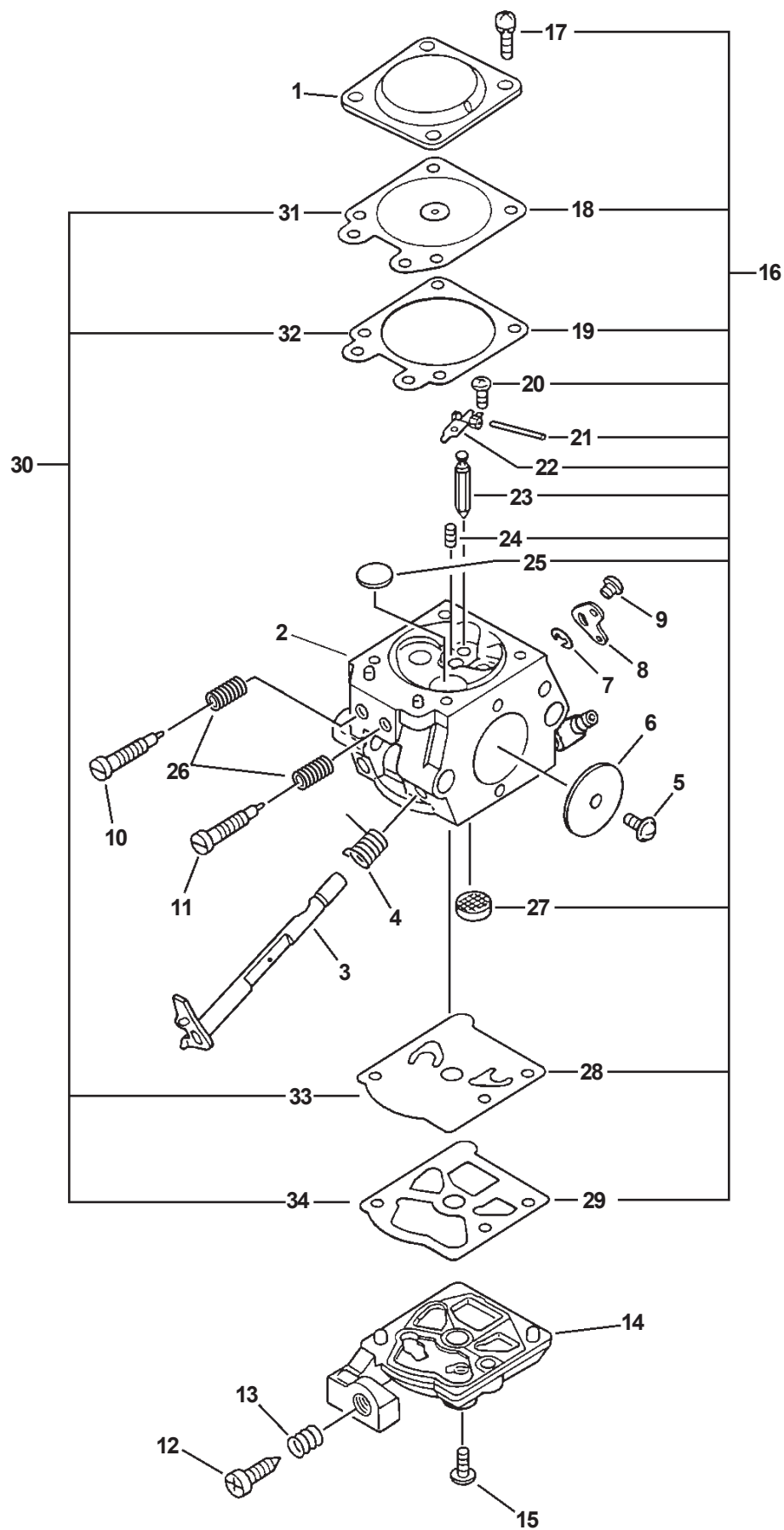


ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>S/N 001001-005163</u>				
1	43331039230	1	COVER, BRAKE	
2	43312339130	1	BAND, BRAKE	
3	43300539233	1	GUARD, SPROCKET	
<u>S/N 001001-617761, CANADA - S/N 001001-005119</u>				
4	43310060530	1	CHAIN BRAKE KIT	INCLUDES ITEMS 5-24
5	43311160531	1	LEVER, BRAKE	
6	43317139130	1	WEIGHT, BRAKE	
11	90020905030	1	SCREW, 5X30	
30	89015139530	1	LABEL, MODEL	
31	89019239531	1	LABEL, BAR & CHAIN	US MODELS
31	89035439131	1	LABEL, BAR & CHAIN	CANADA MODELS
<u>S/N 005164 & UP</u>				
7	43331039530	1	COVER, BRAKE	
8	43312339530	1	BAND, BRAKE	
9	43314235430	1	ADJUSTER, BRAKE	
<u>S/N 005164-617761</u>				
10A	43300539530	1	GUARD, SPROCKET	
<u>S/N 617762 & UP, CANADA - S/N 005120 & UP</u>				
4	C032000050	1	CHAIN BRAKE ASY	INCLUDES ITEM 5-24
5	43314739631	1	LEVER, BRAKE	
6	43317139630	1	WEIGHT, BRAKE	
7	43331039530	1	COVER, BRAKE	
8	43312339530	1	BAND, BRAKE	
9	43314235430	1	ADJUSTER, BRAKE	
10B	C300000040	1	GUARD, SPROCKET	
11	9131805032	1	SCREW, 5X32	
32	90025305020	2	SCREW, 5X20	
33	A320000030	1	COVER, MUFFLER	
34	V341000000	1	DEFLECTOR, HEAT	
35	X503001750	1	LABEL, MODEL	
36	89019239532	1	LABEL, BAR & CHAIN	US MODELS
36	89035439131	1	LABEL, BAR & CHAIN	CANADA MODELS
<u>S/N 001001 & UP</u>				
12	90025304010	4	SCREW, 4X10	
13	43311635430	1	SPACER, 8X12X9	
14	43312235430	1	SPRING, BRAKE	
15	43320935430	1	STOPPER, BRAKE	
16	43320835431	1	CONNECTOR, BRAKE	
17	90033040088	1	ROLLER	
18	43331232630	1	COVER, SEAL	
19	90033040238	1	ROLLER, 4X23.8	
20	43311439130	1	SPRING	
21	90050000004	2	NUT 4	
22	90023804022	2	SCREW, 4X22	
23	43316739130	2	SPACER	
24	90056000005	1	LOCKNUT 5	
25	43301903933	2	NUT, FLANGE 6	
26	90025305020	1	SCREW, 5X20	
27	43302635430	1	CATCHER, CHAIN	
28	90025304010	1	SCREW, 4X10	
29	43301239131	1	PLATE, GUIDE	



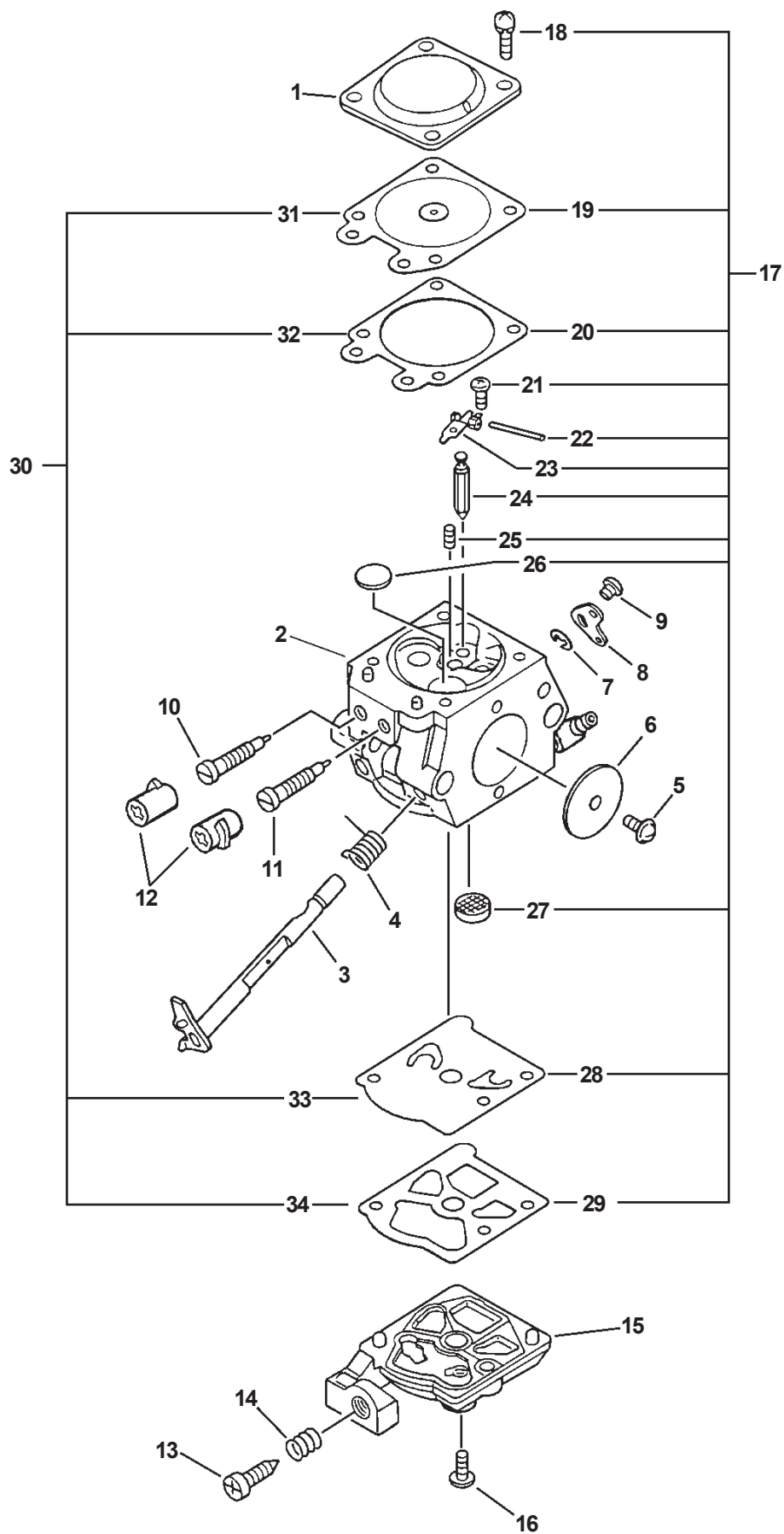
CS-3450 TYPE 1E**CLUTCH, CUTTING ATTACHMENT, TOOLS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
<u>S/N 001001-568654</u>				
1	P021000260	1	CLUTCHASY	
<u>S/N 568655 & UP</u>				
1	A056000010	1	CLUTCHASY	INCLUDES ITEMS 2-5
2	A552000000	1	HUB, CLUTCH	
3	17501839430	1	SPRING, CLUTCH	
4	17502259530	3	SPRING, FLAT	
5	A555000000	3	SHOE, CLUTCH	S/N 568655-617761
5	P021000270	1	CLUTCH SHOE SET	S/N 617762 & UP
<u>S/N 001001 & UP</u>				
6	17501939430	1	PLATE, CLUTCH	
7	17500539131	1	DRUM, CLUTCH	
8	17501235630	1	BEARING, NEEDLE	
9	17501439130	1	WASHER, CLUTCH	
10	917045	1	CHAIN, SAW - 91VG-45E - 12"	
10	917052	1	CHAIN, SAW - 91VG-52E - 14"	
10	917057	1	CHAIN, SAW - 91VG-57E - 16"	
<u>S/N 001001-594521, CANADA - S/N 001001-004320</u>				
11	120374501	1	BAR, GUIDE - 12"	
11	140375201	1	BAR, GUIDE - 14"	
11	160375701	1	BAR, GUIDE - 16"	
12	43301639131	1	BOLT	
13	43301403931	1	TENSIONER	
<u>S/N 594522 & UP, CANADA - 004321 & UP</u>				
11	122374501	1	BAR, GUIDE- 12" INTENZ	
11	142375201	1	BAR, GUIDE- 14" INTENZ	
11	162375701	1	BAR, GUIDE- 16" INTENZ	
<u>S/N 001001 & UP</u>				
14	2894901	1	GUARD, KICK KIT	
15	89541039130	1	WRENCH, W/SCREWDRIVER	



SERIAL NUMBER: 001001-025666

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	12300060131	1	CARBURETOR -- WT-385A	
1	12314203930	1	COVER, METERING DIAPHRAGM	
2	-----	1	BODY, CARBURETOR	NOT AVAILABLE SEPARATELY
3	12311739630	1	SHAFT, THROTTLE	
4	12311347530	1	SPRING, THROTTLE RETURN	
5	12311403930	1	SCREW, THROTTLE VALVE	
6	12311605230	1	VALVE, THROTTLE	
7	12312715030	1	CLIP, THROTTLE SHAFT	
8	12315039230	1	LEVER, THROTTLE	
9	12315039230	1	SCREW, THROTTLE LEVER	
10	12312039530	1	NEEDLE, HIGH SPEED	
11	12311824430	1	NEEDLE, LO SPEED	
12	12313419730	1	SCREW, IDLE ADJUST	
13	12313311130	1	SPRING, IDLE ADJUST	
14	12312409320	1	COVER, FUEL PUMP	
15	12311003930	1	SCREW, FUEL PUMP COVER	
16	12310037330	1	REPAIR KIT	INCLUDES ITEMS 17-29
17	-----	4	SCREW, METERING DIAPHRAGM COVER	
18	-----	1	DIAPHRAGM, METERING	
19	-----	1	GASKET, METERING DIAPHRAGM	
20	-----	1	SCREW, METERING LEVER PIN	
21	-----	1	PIN, METERING LEVER	
22	-----	1	LEVER, METERING	
23	-----	1	VALVE, INLET NEEDLE	
24	-----	1	SPRING, METERING LEVER	
25	-----	1	PLUG, WELCH	
26	-----	2	SPRING, ADJUST NEEDLE	
27	-----	1	SCREEN, INLET	
28	-----	1	DIAPHRAGM, FUEL PUMP	
29	-----	1	GASKET, FUEL PUMP	
30	12310105960	1	DIAPHRAGM/GASKET KIT	INCLUDES ITEMS 31-34
31	-----	1	DIAPHRAGM, METERING	
32	-----	1	GASKET, METERING DIAPHRAGM	
33	-----	1	DIAPHRAGM, FUEL PUMP	
34	-----	1	GASKET, FUEL PUMP	



SERIAL NUMBER: TYPE 1 - 025667 & UP , TYPE 1E - 001001 & UP

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	12300139132	1	CARBURETOR -- WT-402A	
1	12314203930	1	COVER, METERING DIAPHRAGM	
2	-----	1	BODY, CARBURETOR	NOT AVAILABLE SEPARATELY
3	12311739630	1	SHAFT, THROTTLE	
4	12311347530	1	SPRING, THROTTLE RETURN	
5	12311403930	2	SCREW, THROTTLE VALVE	
6	12311605230	1	VALVE, THROTTLE	
7	12312715030	1	CLIP, THROTTLE SHAFT	
8	12315039230	1	LEVER, THROTTLE	
9	12311403930	2	SCREW, THROTTLE LEVER	
10	12312039230	1	NEEDLE, HIGH SPEED	
11	12311839230	1	NEEDLE, LO SPEED	
12	12315139230	2	CAP, MIXTURE LIMITER	
13	12313419730	1	SCREW, IDLE ADJUST	
14	12313311130	1	SPRING, IDLE ADJUST	
15	12312409320	1	COVER, FUEL PUMP	
16	12311003930	1	SCREW, FUEL PUMP COVER	
17	12310039130	1	REPAIR KIT	INCLUDES ITEMS 18-29
18	-----	4	SCREW, METERING DIAPHRAGM COVER	
19	-----	1	DIAPHRAGM, METERING	
20	-----	1	GASKET, METERING DIAPHRAGM	
21	-----	1	SCREW, METERING LEVER PIN	
22	-----	1	PIN, METERING LEVER	
23	-----	1	LEVER, METERING	
24	-----	1	VALVE, INLET NEEDLE	
25	-----	1	SPRING, METERING LEVER	
26	-----	1	PLUG, WELCH	
27	-----	1	SCREEN, INLET	
28	-----	1	DIAPHRAGM, FUEL PUMP	
29	-----	1	GASKET, FUEL PUMP	
30	12310105960	1	DIAPHRAGM/GASKET KIT	INCLUDES ITEMS 31-34
31	-----	1	DIAPHRAGM, METERING	
32	-----	1	GASKET, METERING DIAPHRAGM	
33	-----	1	DIAPHRAGM, FUEL PUMP	
34	-----	1	GASKET, FUEL PUMP	