



LAWN MOWER ENGINE PARTS CATALOG MODEL M14V

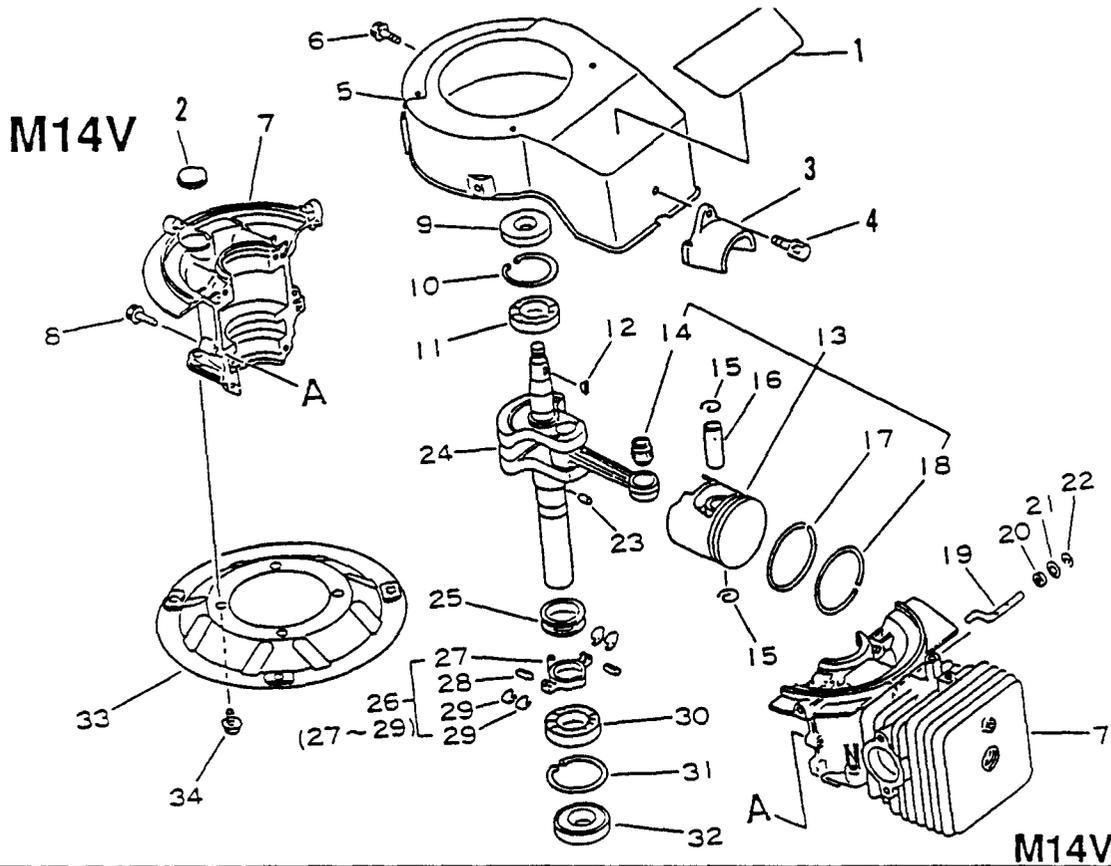
FOR M14V SERIES ENGINES

TYPES: M14V-A1Z0 (REPLACES LME-140)
M14V-B1Z0 (REPLACES LME-140H, 14EX)
M14V-D1X0 (REPLACES LME 140H/B)
M14V-B2Z0 (FOR PRODUCTION LAWN MOWERS ONLY
-REPLACED BY M14V-B1Z0)

ALSO: LME-140 (USE M14V-A1Z0)
LME140EX (USE M14V-B1Z0)
LME140H (USE M14V-B1Z0)
LME-140H/B (USE M14V-D1X0)

ECHO, INCORPORATED
400 OAKWOOD ROAD
LAKE ZURICH, IL 60047

99922201767
09/97

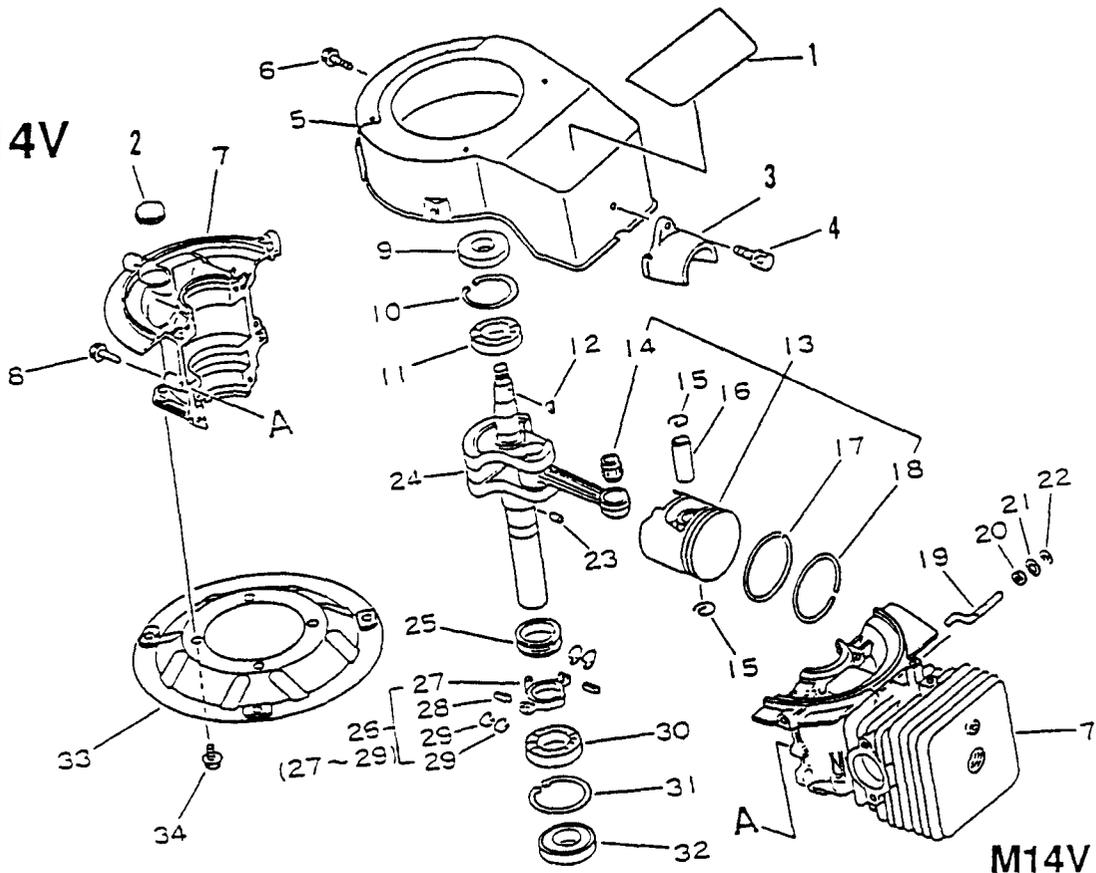


KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
	1	1	LABEL, ECHO	X	X	X
(1)	2	1	PLUG	X	X	X
	3	1	PLUG, GUARD	X	X	X
	4	1	BOLT	X	X	X
	5	1	COVER, FAN	X	X	X
	6	2	BOLT	X	X	X
	7	1	CRANKCASE SET	X	X	X
	8	6	BOLT	X	X	X
	9	1	OILSEAL	X	X	X
	10	1	CIRCLIP 47	X	X	X
	11	1	BALL BEARING 6204/C3	X	X	X
	12	1	KEY, WOODRUFF 3 X14	X	X	X
	13	1	PISTON KIT (INCL. ITEMS 14 - 18)	X	X	X
	14	1	BEARING, NEEDLE	X	X	X
	15	2	CIRCLIP, PISTON PIN	X	X	X
	16	1	PIN, PISTON	X	X	X
	17	1	RING, PISTON	X	X	X
	18	1	RING, PISTON	X	X	X
	19	1	GOVERNOR SHAFT	X	X	X
	20	1	OILSEAL	X	X	X
	21	1	WASHER	X	X	X
	22	1	E-RING 4	X	X	X
	23	1	PIN	X	X	X

(1) NOT STANDARD ON M14V-B2Z0, LME-140H/140EX

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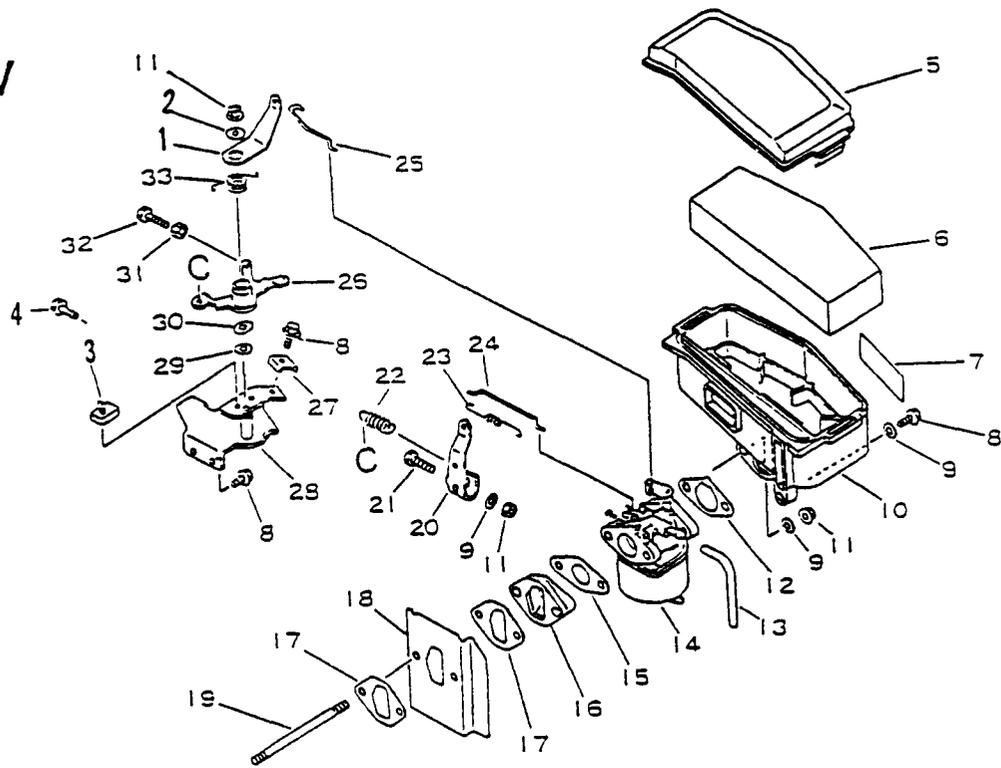
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KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
24	100100 11620	1	CRANKSHAFT ASY	X	--	--
24	100100 11720	1	CARNKSHAFT ASY	--	X	--
24	100100 11920	1	CRANKSHAFT ASY	--	--	X
25	180017 11620	1	SLIDER	X	X	X
26	180003 11620	1	WEIGHT KIT, GOVERNOR (INCLUDES ITEMS 27 - 29)	X	X	X
27	180010 11620	1	HOLDER	X	X	X
28	900340 30010	2	PIN, SPRING 3 X 10	X	X	X
29	180011 11620	4	WEIGHT, GOVERNOR	X	X	X
30	900810 36205	1	BEARING, BALL	X	X	X
31	900702 00052	1	CIRCLIP	X	X	X
32	100213 11620	1	OILSEAL	X	X	X
(2) 33	104913 11720	1	BRACKET, ENGINE	X	X	X
34	900103 08016	4	BOLT	X	X	X

(2) WITH 3/8 - 24 MOUNTING NUTS & LABEL.

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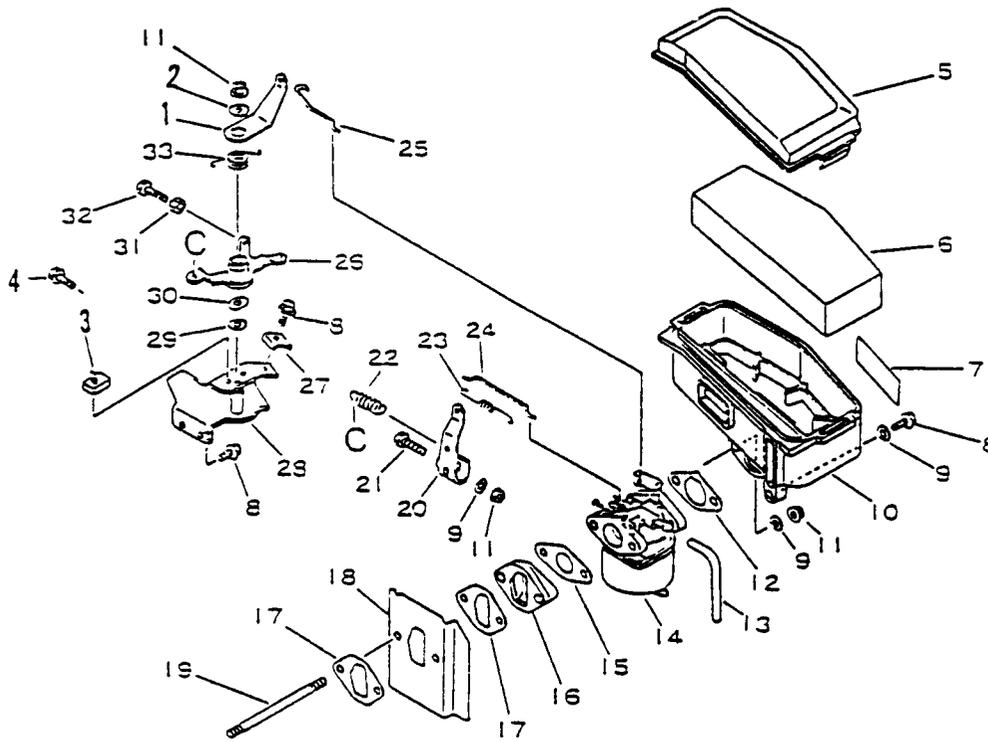
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KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
1	178513 11620	1	CONNECTOR, CHOKE ROD	X	X	X
2	175048 05530	1	WASHER	X	X	X
*3	190050 11620	1	SWITCH, ON-OFF	X	X	X
4	900100 08014	1	BOLT 8 X 14	X	X	X
5	130313 11621	1	COVER, AIR CLEANER	X	X	X
6	130310 11620	1	FILTER, AIR	X	X	X
7	890187 11620	1	LABEL, CAUTION	X	X	X
8	900103 06016	4	BOLT	X	X	X
9	900602 00006	5	WASHER 6	X	X	X
10	130307 11621	1	CASE, AIR CLEANER	X	X	X
11	900515 00006	4	NUT, FLANGE 6	X	X	X
12	130320 11621	1	GASKET, CARBURETOR COVER	X	X	X
13	129028 11620	1	PIPE 3 X 5 X 100	X	X	X
14	-----	1	CARBURETOR (SEE PG. 9)	X	X	X
15	130016 11621	1	GASKET, CARBURETOR	X	X	X
16	130017 11620	1	INSULATOR	X	X	X
17	130010 11621	2	GASKET, CARBURETOR	X	X	X
18	130011 11620	1	PLATE, WIND PROOF	X	X	X
19	130021 11620	2	STUD	X	X	X

* NOT STANDARD ON M14V-B2Z0, LME-140, LME-140EX

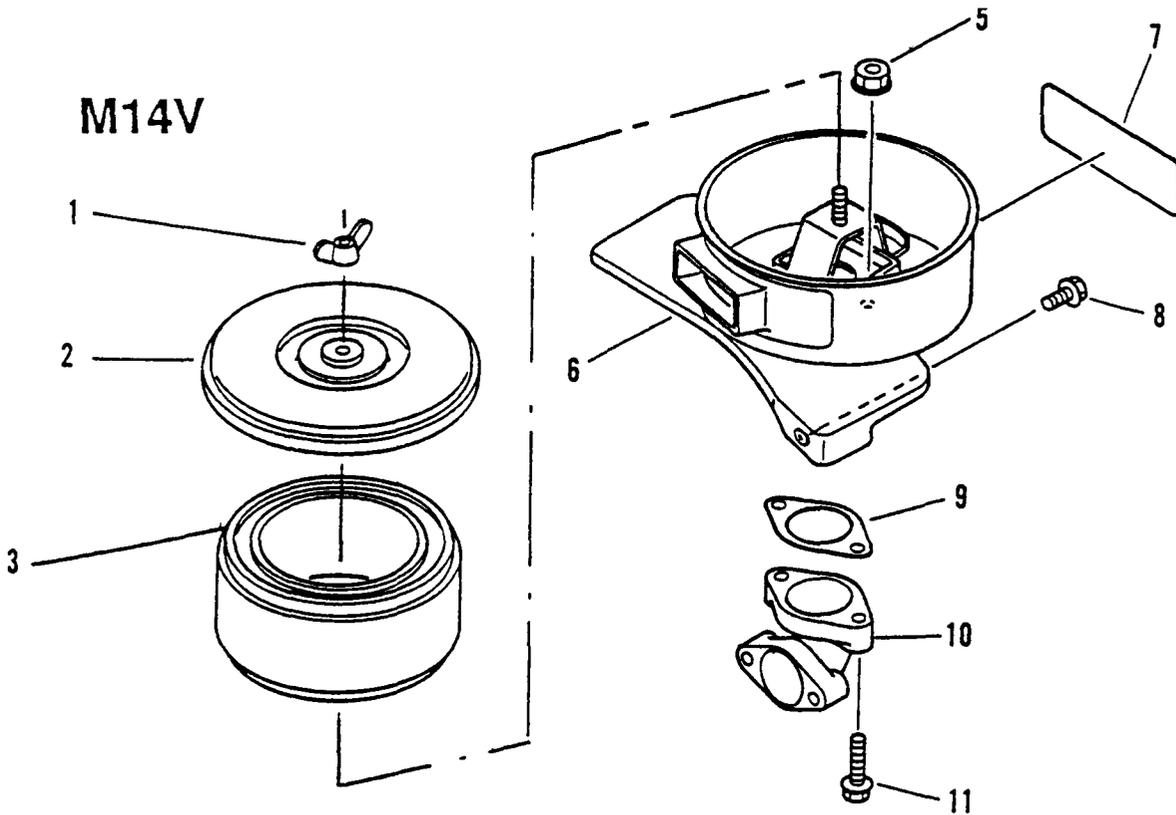
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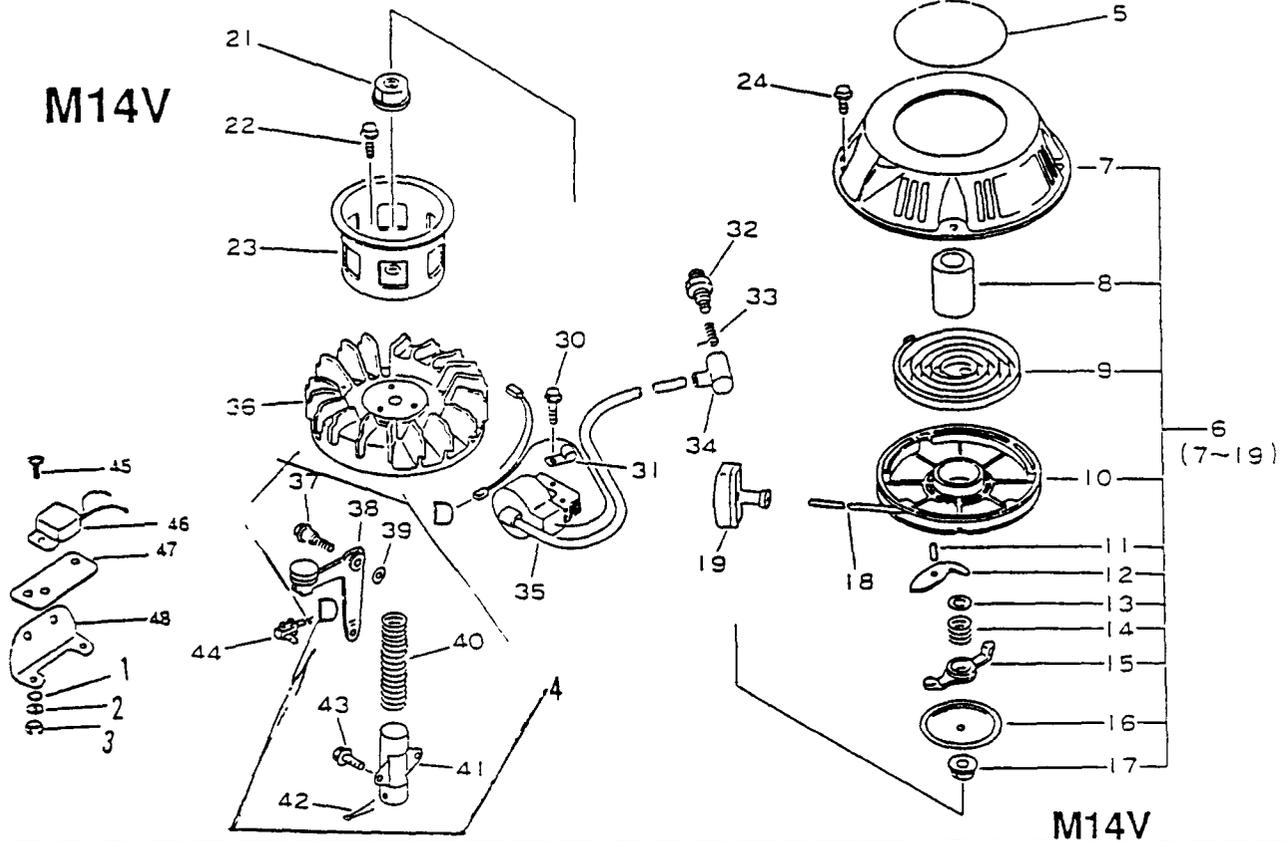
KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
20	178017 11620	1	ARM, THROTTLE	X	X	X
21	900100 06025	1	BOLT, 6 X 25	X	X	X
22	178042 11620	1	SPRING, THROTTLE	X	X	X
23	178043 11620	1	SPRING, THROTTLE RETURN	X	X	X
24	178032 11620	1	ROD, THROTTLE	X	X	X
25	178510 11620	1	ROD, CHOKE	X	X	X
26	178005 11620	1	CONTROL, THROTTLE	X	X	X
27	178121 11720	1	CLIP	X	X	X
28	178105 11620	1	BRACKET, THROTTLE	X	X	X
29	900603 00008	1	WASHER 8	X	X	X
30	178129 11620	1	WASHER	X	X	X
31	900500 00004	1	NUT 4	X	X	X
32	900100 04010	1	BOLT 4 X10	X	X	X
33	178520 11620	1	SPRING, CHOKE	X	X	X



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KEY	PART NO.	QTY	DESCRIPTION	M14V		
				A1Z0	B1Z0 B2Z0	C3X0 D1X0
	889900 11720	1	AIR CLEANER ASY, H.D. (INCLUDES ITEMS 1 - 11)			
1	900528 00006	1	NUT, WING - 6			
2	130308 11720	1	LID, CLEANER			
3	13030511620	1	ELEMENT ASY, AIR CLEANER			
5	900515 00006	2	NUT, FLANGE - 6			
6	130314 11720	1	CASE, CLEANER			
7	89018711720	1	LABEL, CAUTION			
8	90010706010	1	SCREW, FLANGE 6X10			
9	130010 11720	1	GASKET, INTAKE			
10	130505 11720	1	ELBOW			
11	900103 06025	2	SCREW, FLANGE 6X25			

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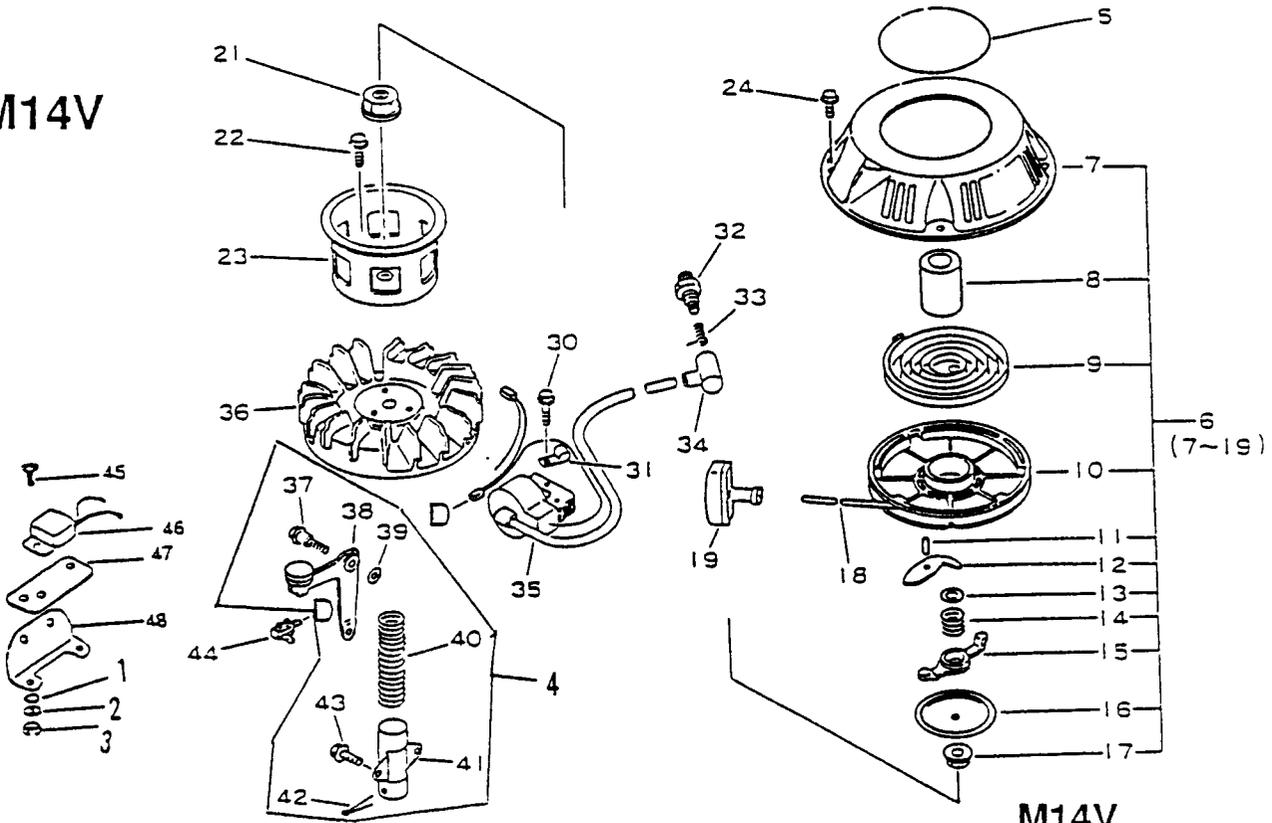
KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
(1) 1	900600 00004	3	WASHER 4	X	X	--
(1) 2	900605 00004	3	WASHER, SPRING 3	X	X	--
(1) 3	900500 00004	3	NUT 4	X	X	--
4	190000 11620	1	BRAKE ASY (INCL. 37 - 43)	X	X	--
5	890118 11720	1	LABEL, ECHO	X	X	X
*6	177200 11621	1	STARTER ASY (INCL. 7 - 19)	X	X	X
7	177232 11621	1	CASE, STARTER	X	X	X
8	177216 11620	1	SPACER	X	X	X
9	177220 11620	1	SPRING, REWIND	X	X	X
10	177215 11620	1	DRUM, STARTER	X	X	X
11	177219 11620	1	PIN, PAWL	X	X	X
12	177218 11620	1	PAWL, STARTER	X	X	X
13	177214 11620	1	WASHER	X	X	X
14	177233 11620	1	SPRING	X	X	X
15	177277 11620	1	GUIDE, PAWL	X	X	X
16	177211 11620	1	PLATE, FRICTION	X	X	X
17	900515 00006	1	NUT, FLANGE 6	X	X	X
18	177226 11620	1	ROPE, STARTER	X	X	X
19	177228 11620	1	GRIP, STARTER	X	X	X
20	177244 11620	1	CAP, GRIP	X	X	X
21	900517 00010	1	NUT	X	X	X
22	900103 06010	3	BOLT	X	X	X
23	177210 11620	1	CATCHER, PAWL	X	X	X
24	900107 06010	4	BOLT	X	X	X

(1) TWO STYLES OF IGNITION COILS, "1-PIECE" AND "2-PIECE" WERE INSTALLED AS ORIGINAL EQUIPMENT. THE "2-PC" ALSO REQUIRED ITEMS, KEY 45 - 51. WHEN REPLACING "2-PC" COILS (NO LONGER AVAILABLE) WITH "1-PC" COILS, ALSO REMOVE ITEMS KEY 45 - 51.

* ROTATE TO CORRECT PULLING DIRECTION. DEPENDING ON APPLICATION CUT ROPE FOR BBC MODELS - SEE ENGINE APPLICATION MANUAL.

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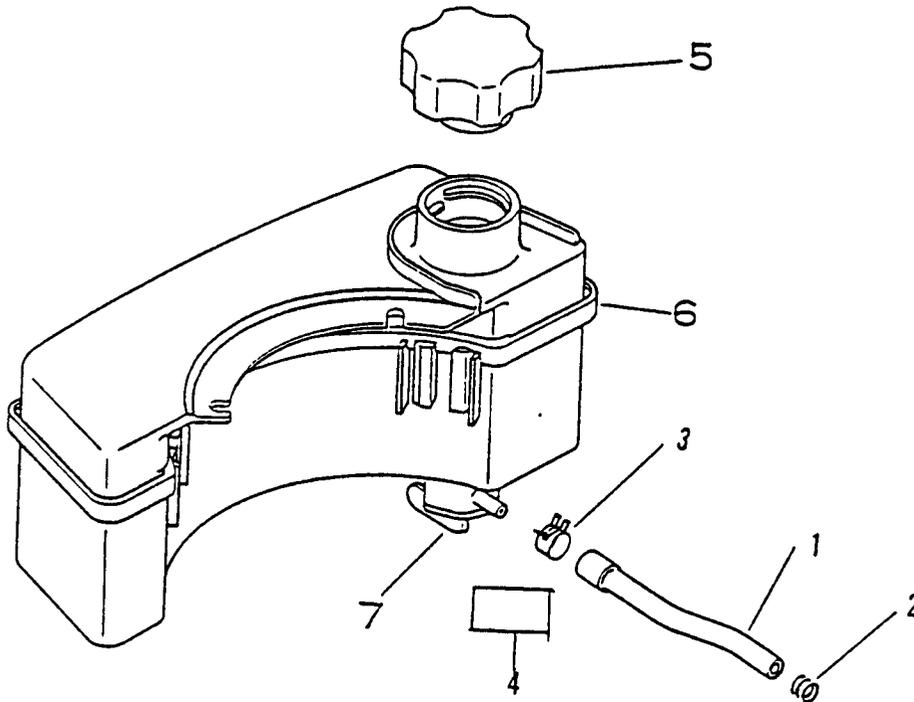
KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
21	900517 00010	1	NUT	X	X	X
22	900103 06010	3	BOLT	X	X	X
23	177210 11620	1	CATCHER, PAWL	X	X	X
24	900107 06010	4	BOLT	X	X	X
30	900103 06025	2	BOLT	X	X	X
31	159110 11620	1	CLIP	X	X	X
32	159010 12330	1	PLUG, SPARK (BPM-6A)	X	X	X
33	159011 03432	1	COIL, SPARK PLUG CAP	X	X	X
34	159012 03433	1	CAP, SPARK PLUG	X	X	X
(1,2) 35	156626 11621	1	COIL, IGNITION	X	X	X
36	156800 11620	1	FLYWHEEL	X	X	X
(3) 37	190015 11620	1	SHAFT, BRAKE ARM	X	X	--
(3) 38	190005 11620	1	ARM, BRAKE ASY	X	X	--
(3) 39	175014 04630	1	WASHER 6	X	X	--
(3) 40	190016 11620	1	SPRING, COMPRESSION	X	X	--
(3) 41	190018 11620	1	HOLDER, SPRING	X	X	--
(3) 42	900300 30030	1	PIN, SPLIT 3 X 30	X	X	--
(3) 43	900103 06010	2	BOLT	X	X	--
44	190050 11620	1	SWITCH, ON-OFF	X	X	X
(1) 45	900242 04012	3	SCREW 4 X 12	X	X	--
(1) 46	152601 15130	1	T.C. IGNITION MODULE	X	X	--
(1) 47	159318 11620	1	PLATE, EYE	X	X	--
(1) 48	159310 11620	1	BRACKET, IGNITION COIL	X	X	--

(1) TWO STYLES OF IGNITION COILS, "1-PIECE" AND "2-PIECE" WERE INSTALLED AS ORIGINAL EQUIPMENT. THE "2-PIECE" ALSO REQUIRED ITEMS, KEY 45 - 51. WHEN REPLACING "2-PIECE" COILS (NO LONGER AVAILABLE) WITH "1-PIECE" COILS, ALSO REMOVE ITEMS, KEY 45 - 51.

(2) THIS IS A UNIVERSAL MODULE (LEADS PROVIDED FOR CHUTE, CARB & BRAKE SHUT OFF).

(3) AVAILABLE IN KIT FORM, ORDER P/N 190000 11620.

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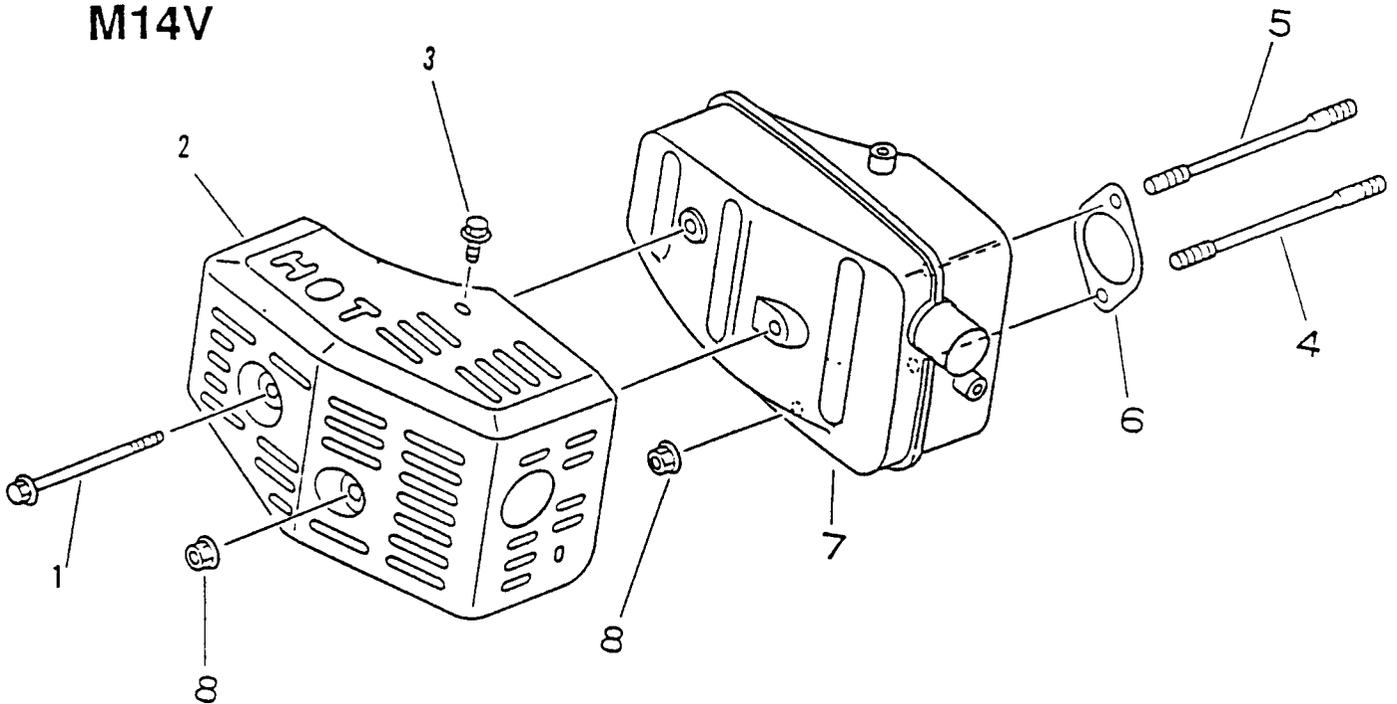
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KEY	PART NO.	QTY	DESCRIPTION	A1Z0	B1Z0 B2Z0	C3X0 D1X0
1	132012 11620	1	PIPE, FUEL	X	X	X
2	132013 11620	1	CLIP, PIPE	X	X	X
3	132013 11720	1	CLIP, PIPE	X	X	X
4	890159 11620	1	LABEL, FUEL COCK	X	X	X
5	131006 11620	1	CAP, FUEL TANK	X	X	X
6	131000 11620	1	TANK, FUEL ASY (INCL ITEM 7)	X	X	X
* 7	132204 11620	1	VALVE KIT, FUEL	X	X	X
** 7	132204 11621	1	VALVE KIT, FUEL W/O WASHER	X	X	X

* USED PRIOR TO S/N LME-140, 002720 AND LME-140H, 0004500

** USED EFF. WITH S/N LME-140, 002720 & UP, AND LME-140H, 0004500 & UP

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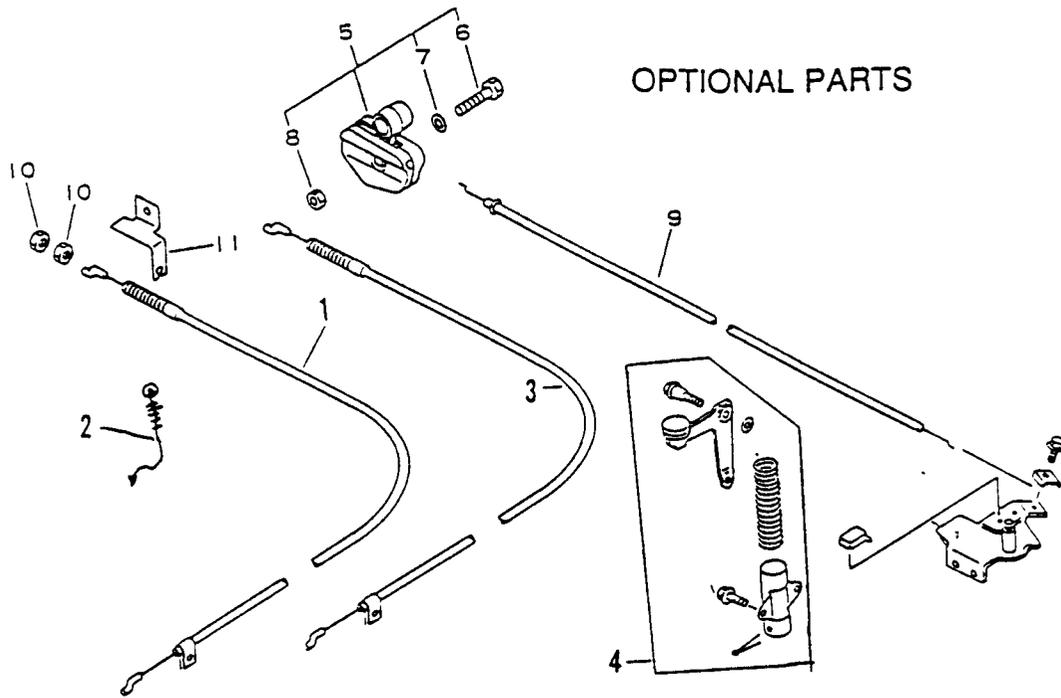


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KEY	PART NO.	QTY	DESCRIPTION	A120	B120 B220	C3X0 D1X0
1	900103 06080	1	BOLT	X	X	X
2	145621 11720	1	COVER, MUFFLER	X	X	X
3	900107 06010	3	BOLT	X	X	X
* 4	101014 11720	1	STUD, MUFFLER	X	X	X
5	101014 11620	1	STUD, MUFFLER	X	X	X
6	145510 11621	1	GASKET, MUFFLER	X	X	X
* 7	145610 11720	1	MUFFLER	X	X	X
8	900515 00008	2	NUT	X	X	X

*SOME EARLY MODELS LME-140 USED MUFFLER 145610 11620 (NOT AVAILABLE), USE 145610 11720. WHEN REPLACING WITH 145610 11720, LOWER STUD (KEY 5) SHOULD BE REPLACED WITH KEY 12.

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OPTIONS

KEY	PART NO.	QTY	DESCRIPTION
1	616410 11620	1	WIRE, BRAKE
2	132013 11620	1	CABLE TIE
3	616410 11720	1	WIRE, BRAKE (TORO ZONE)
4	190000 11620	1	ZONE BRAKE KIT
5	178100 11620	1	CONTROL, THROTTLE W/WIRE (UNIVERSAL) (INCLUDES ITEMS 6, 7 & 8))
6	900016 08056	1	BOLT 1/4 X 1-3/4
7	900038 00008	1	WASHER, STAR 1/8
8	900030 00008	1	NUT 1/4
9	616402 11620	1	WIRE KIT, BRAKE (UNIVERSAL) (INCLUDES ITEMS 1 - 4, 10 & 11)
10	900030 00010	2	NUT 5/16
11	616510 11620	1	BRACKET, BRAKE WIRE