

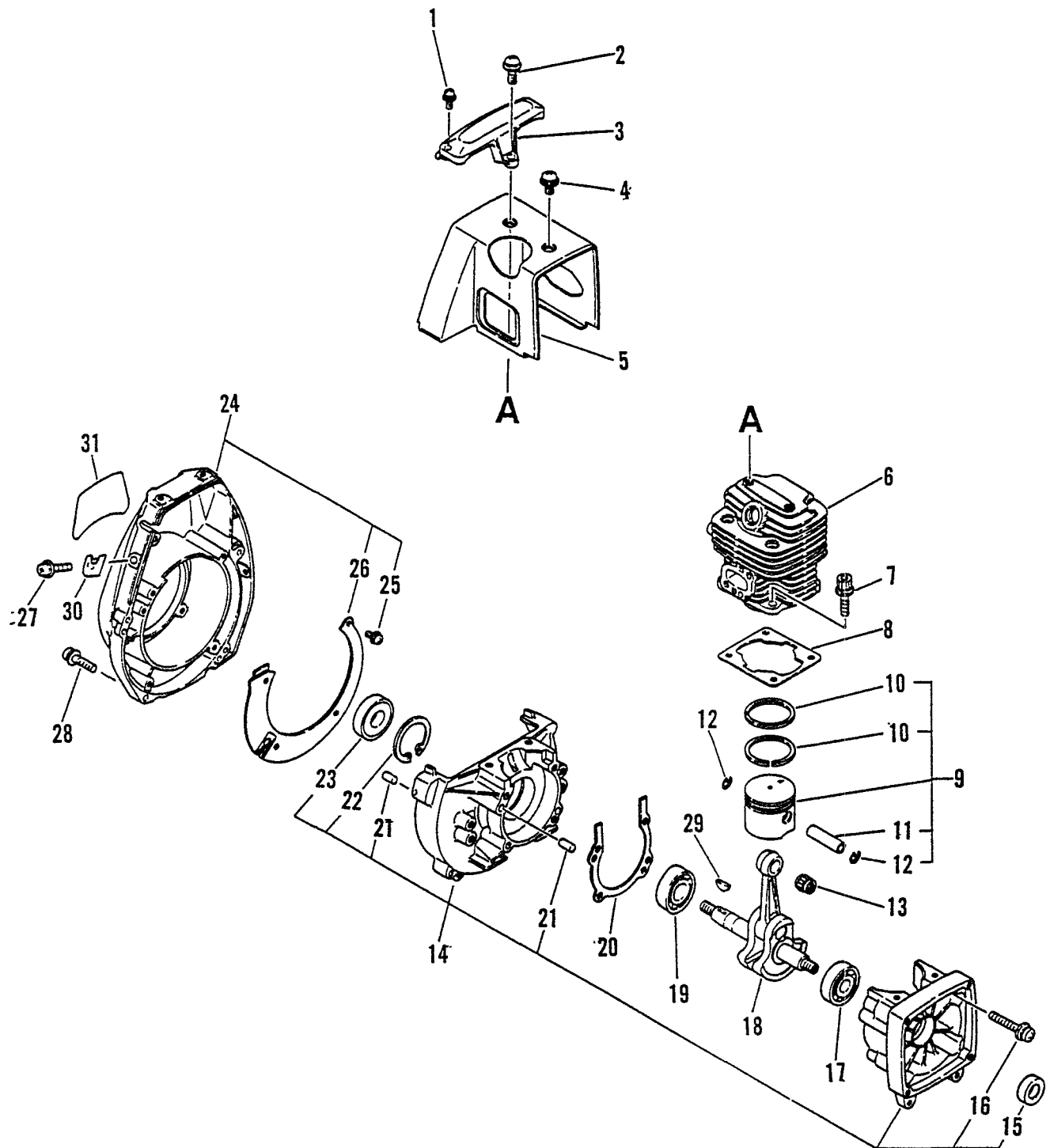


**BRUSH CUTTER
PARTS CATALOG
MODEL SRM-3000**

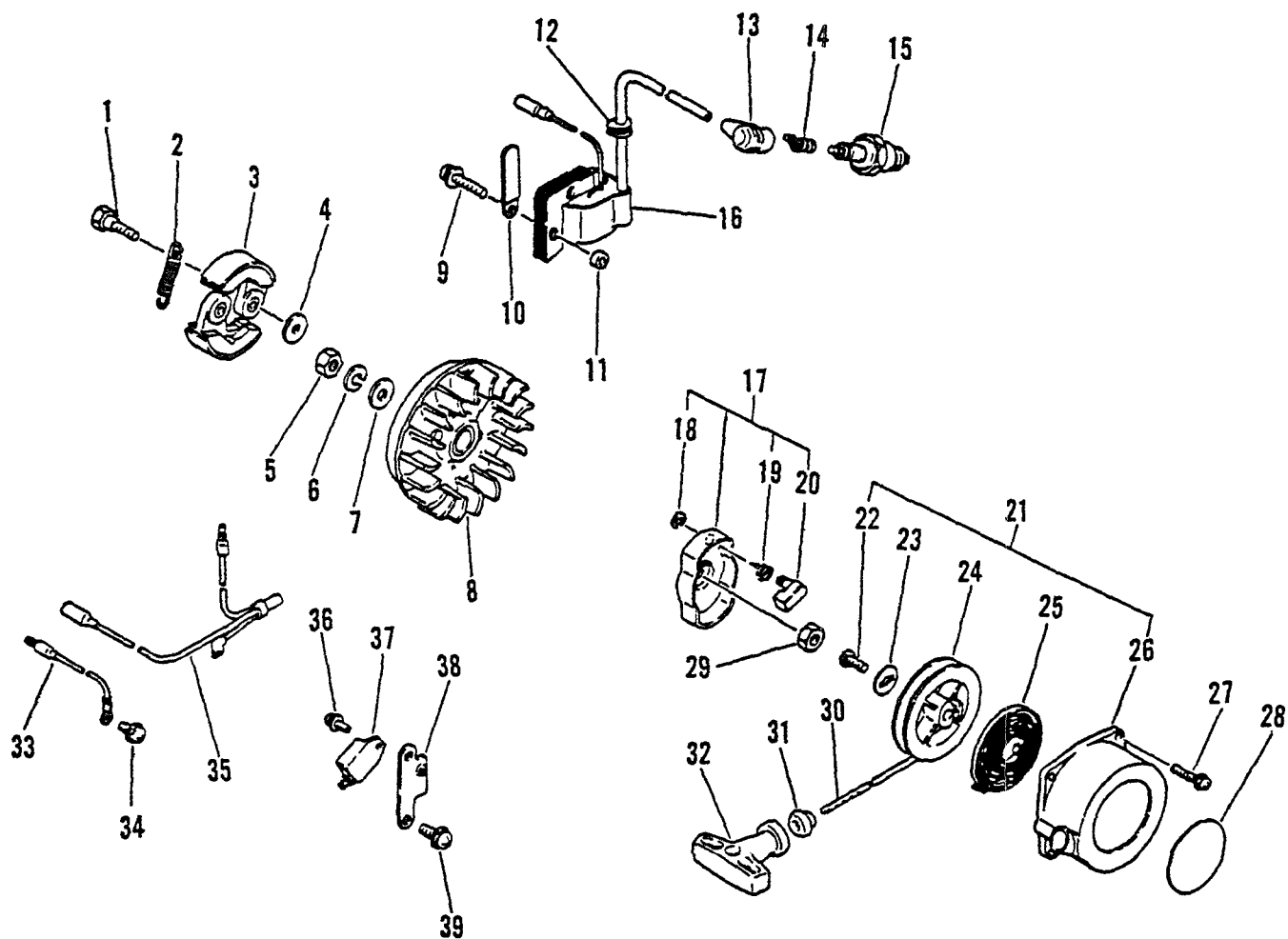
SERIAL NUMBER 037501 THRU 043225

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

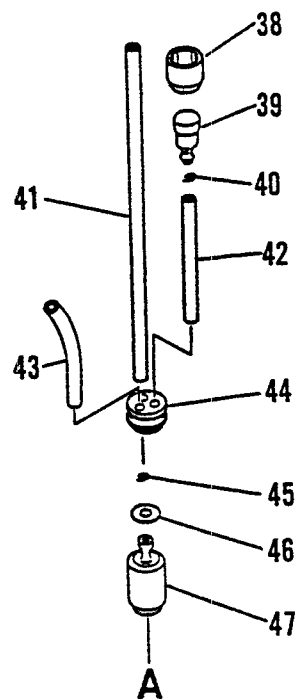
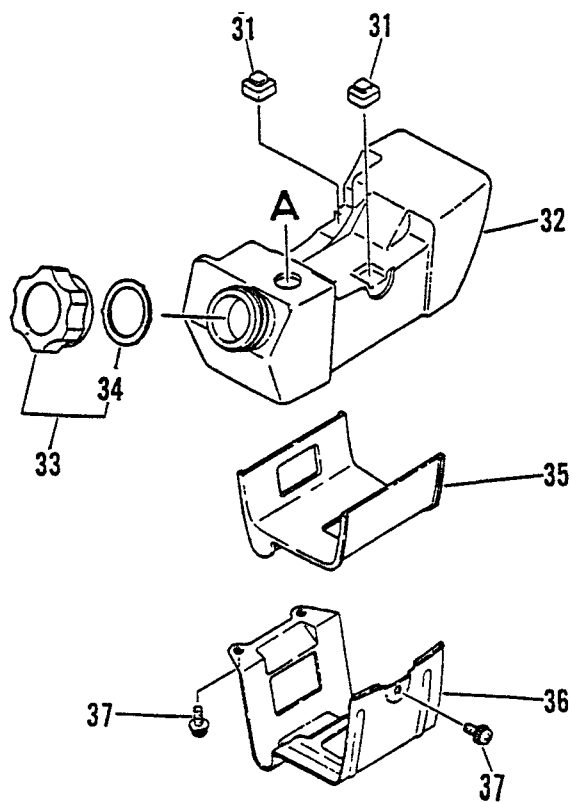
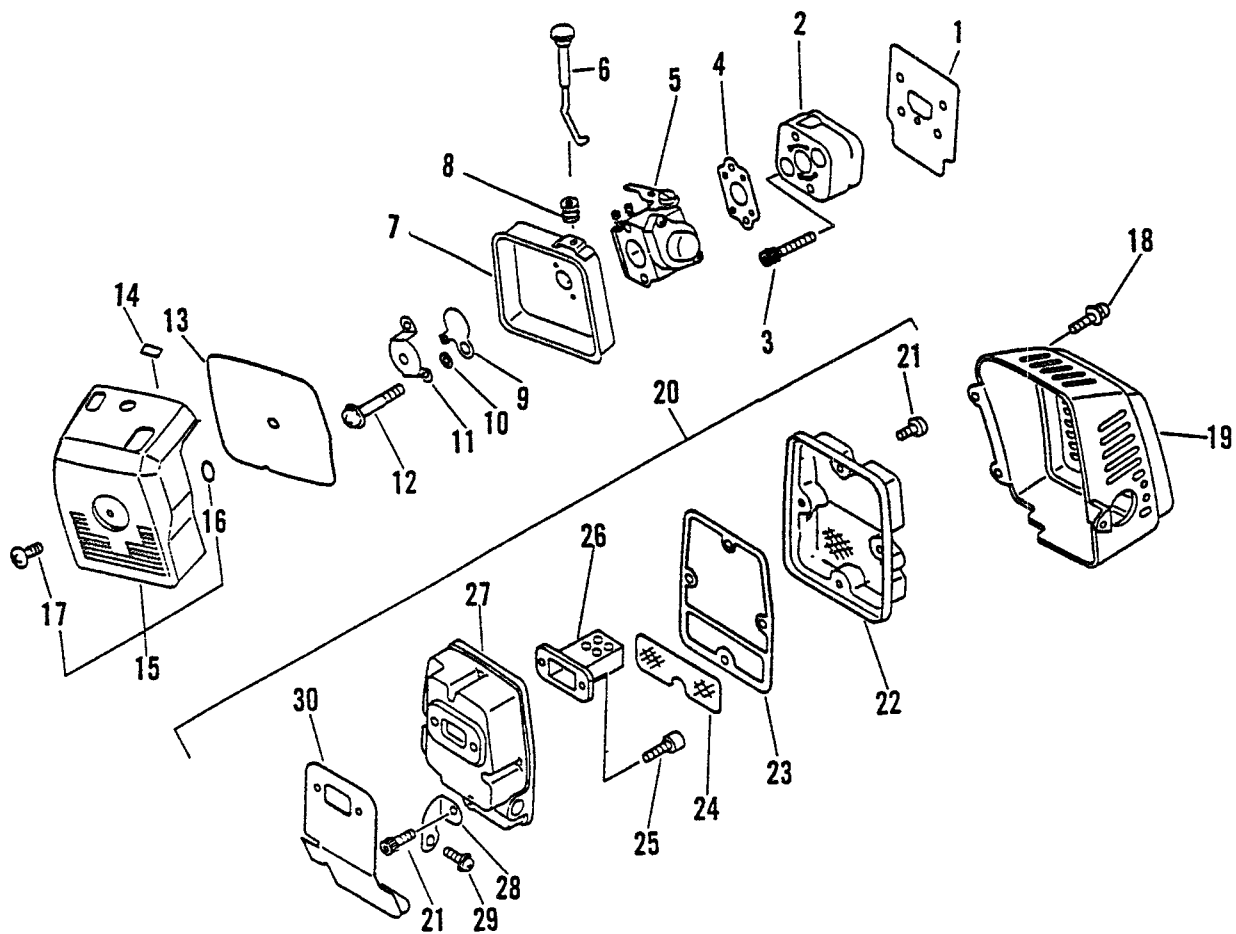
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03/94**



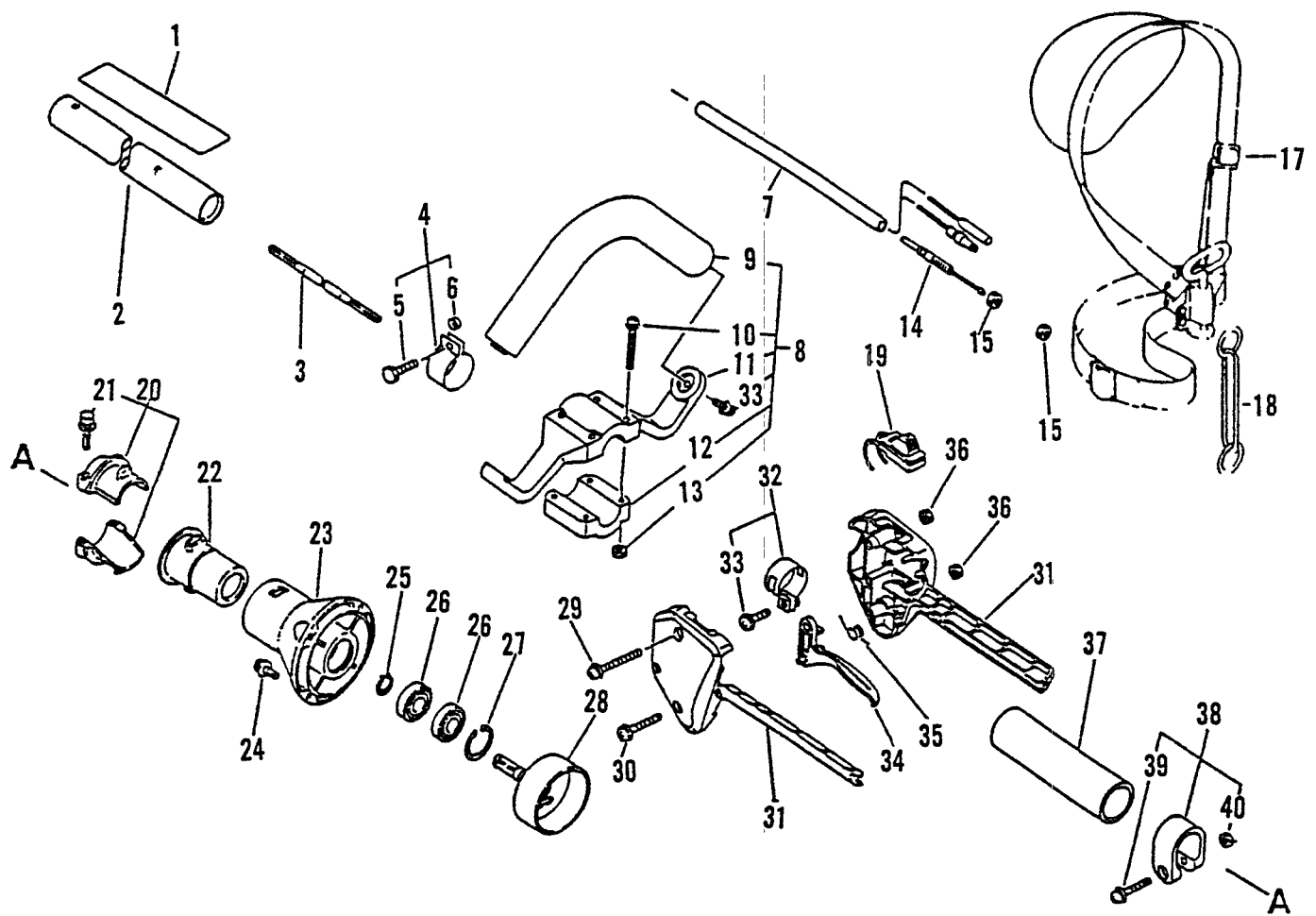
KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	900238 04014	2	SCREW 4X14	
2	900238 05016	1	SCREW 5X16	
3	159905 41030	1	GUARD, TOP	
4	900238 05010	1	SCREW 5X10	
5	101514 49730	1	COVER, CYLINDER	
6	101011 27530	1	CYLINDER	
7	900162 05020	4	BOLT, H.S. 5X20	
8	101010 21230	1	GASKET, CYLINDER BASE	USE KIT 889000 51830
9	100000 27430	1	PISTON KIT	INCLUDES ITEMS 10 - 12
10	100011 16131	2	RING, PISTON	
11	100013 27430	1	PIN, PISTON	
12	100015 03930	2	CIRCLIP, PISTON PIN	
13	100012 16131	1	BEARING, NEEDLE	
14	100204 27430	1	CRANKCASE KIT	
15	100213 05530	1	OILSEAL	
16	900238 05030	4	SCREW 5X30	
17	900810 36201	1	BEARING, BALL 6201	
18	100100 21230	1	CRANKSHAFT	
19	900810 36202	1	BEARING, BALL 6202	
20	-----	1	GASKET, CRANKCASE	USE KIT 889000 51830
21	100215 02830	4	PIN, DOWEL	
22	900702 00035	1	CIRCLIP 35	
23	100212 05730	1	OILSEAL	
24	101503 51830	1	COVER, FAN ASY	INCLUDES ITEMS 25 & 26
25	900238 04008	4	SCREW 4X8	
26	101534 21230	1	PLATE, GUIDE	
27	900238 04010	1	SCREW 4X10	
28	900238 05025	4	SCREW 5X25	
29	100142 00310	1	KEY, WOODRUFF	
30	178121 41330	1	HOLDER, CABLE	
31	890140 41030	1	LABEL	
	889000 51830	1	GASKET KIT	
	NSS	1	GASKET, CRANKCASE	
	101010 21230	1	GASKET, CYLINDER BASE	
	130010 27531	1	GASKET, INTAKE	
	130016 40931	1	GASKET, INTAKE	
	130022 40931	1	GASKET, INTAKE	
	145510 27531	1	GASKET, MUFFLER	
	145866 27231	1	GASKET, MUFFLER LID	



KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	175046 22332	2	SHAFT, CLUTCH	
2	175018 05731	1	SPRING, CLUTCH	
3	175009 05733	2	SHOE, CLUTCH	
4	175048 05530	2	WASHER 6	
5	900500 00008	1	NUT 8	
6	900605 00008	1	WASHER, SPRING 8	
7	175049 03920	1	WASHER	
8	152801 27430	1	FLYWHEEL	
9	900238 05025	2	SCREW 5X25	
10	159116 21231	1	CLIP	
11	150117 16430	2	SPACER	
12	156112 40630	1	GROMMET	
13	159012 03433	1	CAP, SPARK PLUG	
14	159011 03432	1	COIL, SPARK PLUG CAP	
15	159010 10630	1	PLUG, SPARK BPM7A	
16	152626 27530	1	COIL, IGNITION	
17	177202 41030	1	PAWL ASY, STARTER	INCLUDES ITEMS 18 - 20
18	900700 00004	1	E-RING 4	
19	177234 40630	1	SPRING, RETURN	
20	177218 40630	1	PAWL, STARTER	
21	177200 49730	1	STARTER ASY	INCLUDES ITEMS 22 - 26, 30 - 32
22	177236 40630	1	SCREW	
23	177214 41030	1	WASHER	
24	177215 43130	1	DRUM, STARTER	
25	177220 40630	1	SPRING, REWIND	
26	177232 41030	1	CASE, STARTER	
27	900238 04020	4	SCREW 4X20	
28	890118 49330	1	LABEL, ECHO	
29	900502 00008	1	NUT 8 (3)	
30	177226 01110	1	ROPE, STARTER	USE BULK ROPE 99944200035 3.5 MM (.14 IN.) X 850 (33.5 IN.)
31	177227 05530	1	GUIDE, ROPE	
32	177228 06530	1	GRIP, STARTER	
33	162014 27230	1	LEAD, GROUND	
34	900238 05010	1	SCREW 5X10	
35	162000 41030	1	LEAD	
36	900238 04008	1	SCREW 4X8	
37	152601 15130	1	T.C. IGNITION MODULE	
38	159310 27430	1	BRACKET, IGNITION COIL	
39	900238 05012	2	SCREW 5X12	



KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	130016 42031	1	GASKET, INTAKE	
2	130007 51330	1	INSULATOR, INTAKE	
3	900162 05025	2	BOLT, H.S. 5X25	
4	130016 42031	1	GASKET, INTAKE	
5	125200 51331	1	CARBURETOR C1U-K21A	
6	178510 51730	1	ROD, CHOKE	
7	130314 51730	1	CASE, AIR CLEANER	
8	178810 05230	1	GROMMET, CHOKE	
9	178515 05060	1	SHUTTER, CHOKE	
10	178516 00830	2	WASHER 5	
11	129011 51730	1	PLATE	
12	900238 05045	2	SCREW 5X45	
13	130310 51730	1	FILTER, AIR	
13	130310 51830	1	FILTER, HEAVY DUTY	OPTIONAL
14	890121 48830	1	LABEL, CHOKE	
15	130302 51730	1	COVER ASY, AIR CLEANER	INCLUDES ITEMS 16 & 17
16	900720 00003	1	O-RING 3	
17	130406 16331	1	NUT, THUMB	
18	900238 04008	2	SCREW 4X8	
19	145621 51831	1	COVER, MUFFLER	
20	145800 51330	1	MUFFLER ASY, (SAM)	INCLUDES ITEMS 21 - 30
21	900162 05014	5	BOLT, H.S. 5X14	
22	145861 51330	1	LID, MUFFLER	
23	145866 51330	1	GASKET, MUFFLER LID	
24	145862 51030	1	SCREEN, MUFFLER	
25	900105 05018	2	BOLT, H.S. 5X18	
26	145859 51230	1	DIFFUSER, MUFFLER	
27	145810 51330	1	MUFFLER	
28	145711 51330	1	STAY, MUFFLER	
29	900238 05010	2	SCREW 5X10	
30	145510 51330	1	GASKET, MUFFLER	
31	131924 05530	3	CUSHION	
32	131010 51830	1	TANK, FUEL	
33	131004 48730	1	CAP ASY, FUEL	INCLUDES ITEM 34
34	131016 40930	1	GASKET, FUEL TANK CAP	
35	131924 41030	1	CUSHION	
36	131910 41030	1	BRACKET, FUEL TANK	
37	900238 05012	2	SCREW 5X12	
38	131328 40630	1	COVER, VENT	
39	131300 40630	1	VENT ASY	
40	132013 09820	1	CLIP	
41	132010 13930	1	PIPE, FUEL	
42	132010 51230	1	PIPE, FUEL	
43	132012 51030	1	PIPE, FUEL	
44	132115 46730	1	GROMMET, FUEL	
45	130111 00530	1	CLIP	
46	900603 00005	1	WASHER 5	
47	131200 02830	1	STRAINER ASY, FUEL	

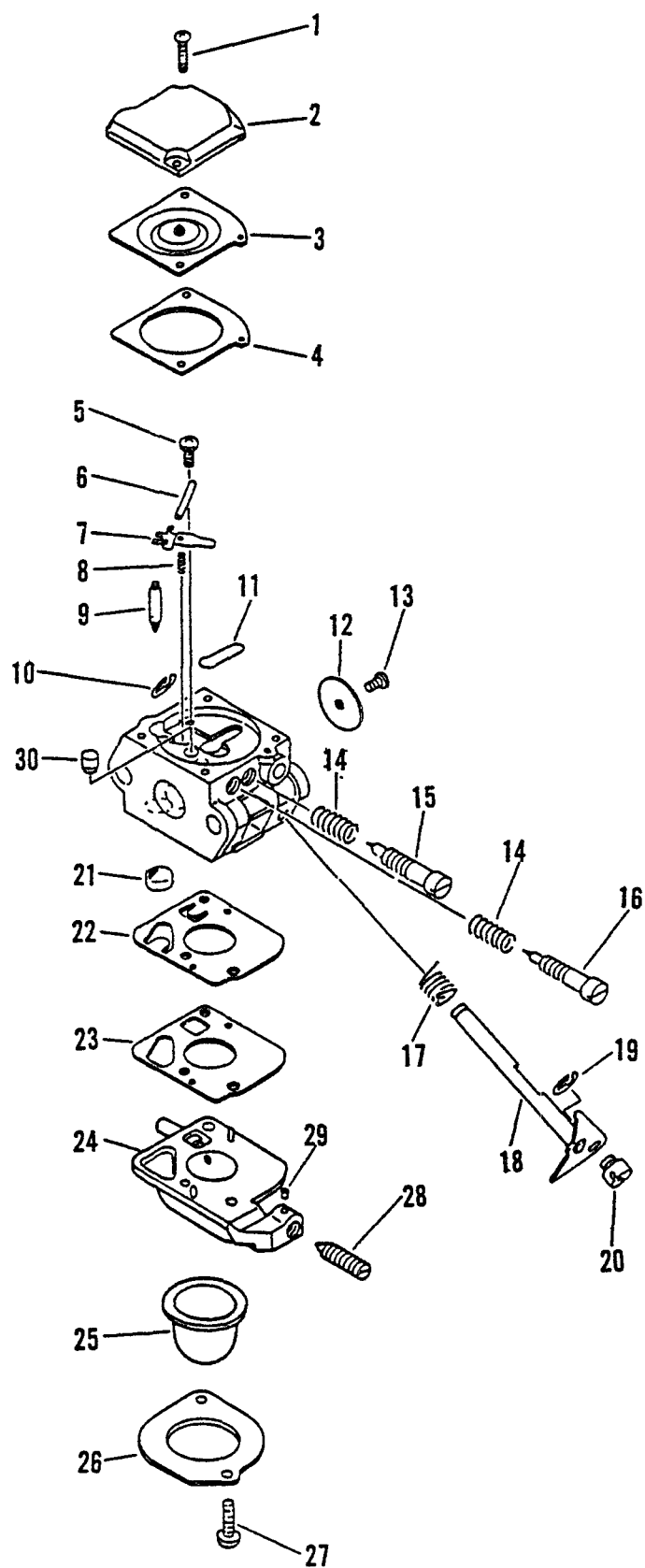


KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	890160 44430	1	LABEL, CAUTION	
2	610206 43130	1	HOUSING ASY, DRIVESHAFT	
3	610011 06230	1	SHAFT, DRIVING	
4	301207 07530	1	HOOK	INCLUDES ITEMS 5 & 6
5	900100 05018	1	BOLT 5X18	
6	699012 03330	1	SPACER	
7	178127 51030	1	TUBE	
8	351201 07131	1	HANDLE ASY	INCLUDES ITEMS 9 - 13 & 33
9	351205 07130	1	HANDLE	
10	900242 05035	4	SCREW 5X35	
11	351232 07130	1	BRACKET, HANDLE	
12	351225 06930	1	BRACKET, HANDLE (F)	
13	900500 00005	4	NUT 5	
14	178001 51030	1	WIRE, THROTTLE	
15	900502 00006	2	NUT 6 (3)	
17	301000 52131	1	HARNESS, SHOULDER	
18	301305 24330	1	RING, HARNESS	
19	163400 49330	1	SWITCH, IGNITION	
20	610903 40430	1	HOLDER KIT	INCLUDES ITEM 21
21	900142 05025	2	BOLT 5X25	
22	610910 40430	1	CUSHION	
23	610205 49730	1	CASE, CLUTCH	
24	900238 05016	4	SCREW 5X16	
25	900701 00012	1	CIRCLIP 12	
26	900807 06001	2	BEARING, BALL 6001	
27	900702 00028	1	CIRCLIP 28	
28	175005 40430	1	DRUM, CLUTCH	
29	900242 05035	1	SCREW 5X35	
30	900242 05025	1	SCREW 5X25	
31	178003 51830	1	BRACKET SET, THROTTLE	INCLUDES ITEMS 29, 30 & 36
32	301200 42230	1	HOOK	INCLUDES ITEM 33
33	900242 05014	3	SCREW 5X14	
34	178010 52130	1	CONTROL, THROTTLE	
35	178043 42230	1	SPRING, THROTTLE RETURN	
36	900500 00005	2	NUT 5	
37	351213 51830	1	GRIP, FRONT HANDLE	
38	610272 51830	1	BAND	INCLUDES ITEMS 39 & 40
39	900242 05030	1	SCREW 5X30	
40	900500 00005	1	NUT 5	
*41	890160 47630	1	LABEL, CAUTION (BLADE OPERATION)	

*PART NUMBER NOT SHOWN.

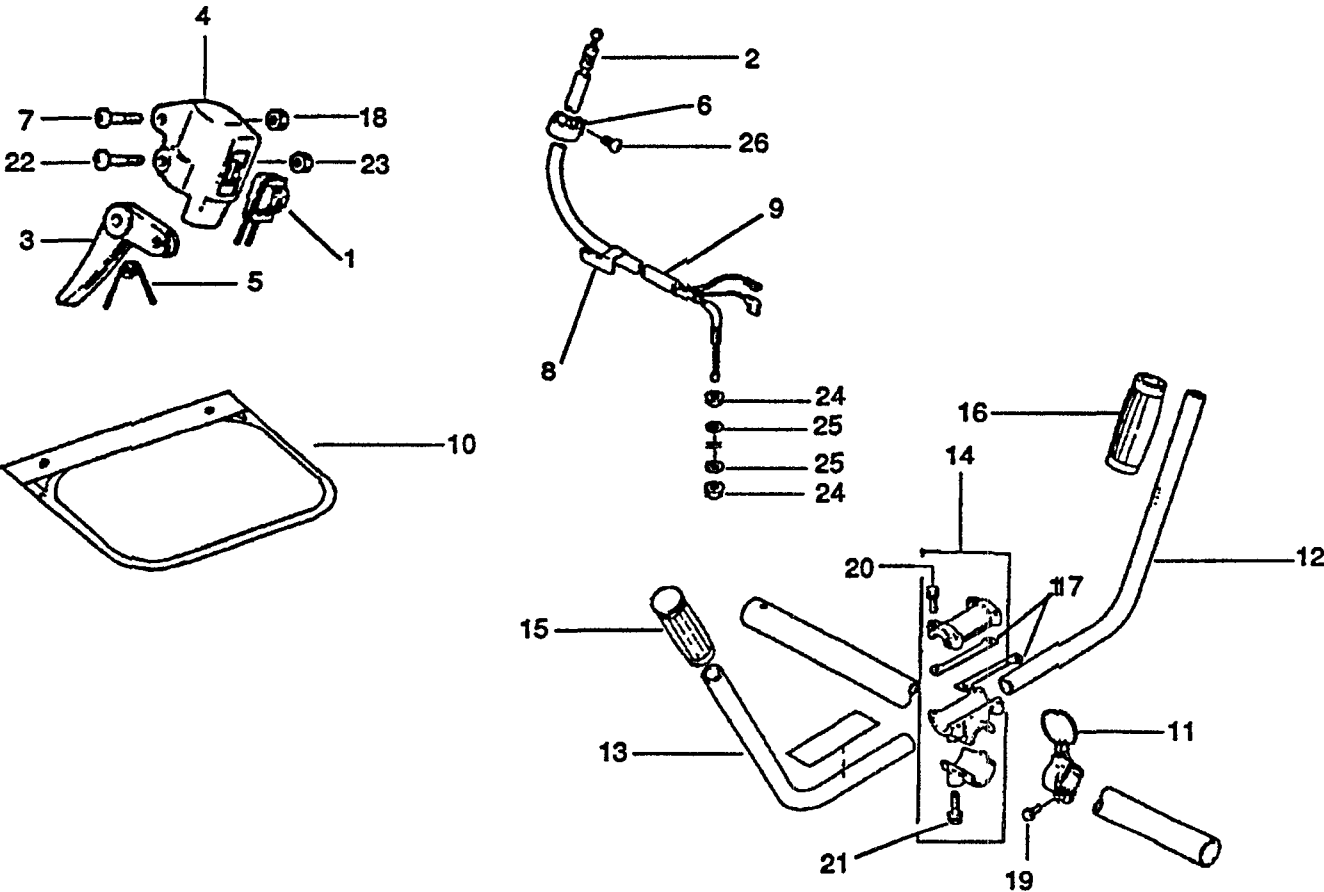
This exploded view diagram illustrates the assembly of a mechanical component, likely a bracket or housing. The main body is shown in the center, with various fasteners and sub-assemblies indicated by numbered callouts (1-40). The assembly includes a series of washers and spacers (1-10), a central shaft or pin (11), a nut (12), a flange (13), a bolt (14), a washer (15), a nut (16), a washer (17), a pin (18), a washer (19), a nut (20), a washer (21), a pin (22), a washer (23), a pin (24), a washer (25), a pin (26), a washer (27), a pin (28), a washer (29), a pin (30), a washer (31), a pin (32), a washer (33), a pin (34), a washer (35), a pin (36), a washer (37), a pin (38), a washer (39), and a pin (40). The diagram shows the relative positions and assembly sequence of these parts.

KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	610400 24530	1	GEAR HOUSING ASY	INCLUDES ITEMS 1 - 18, 20 - 23
1	900300 20022	1	PIN, SPLIT 2X22	
2	900511 00010	1	NUT 10 (L-H)	
3	610314 04131	1	PLATE, ADAPTER (L)	
4	610313 07130	1	PLATE, ADAPTER (U)	
5	610413 07130	1	OILSEAL	
6	610315 07130	1	SPACER	
7	900702 00032	1	CIRCLIP 32	
8	900810 06201	1	BEARING, BALL 6201	
9	610310 41030	1	SHAFT, P.T.O.	
10	900706 00012	1	CIRCLIP 12	
11	610300 40430	1	GEAR SET	
12	900800 36000	1	BEARING, BALL 6000	
13	900242 05010	1	SCREW 5X10	
14	610410 07530	1	HOUSING, GEAR	
15	900100 08008	1	BOLT 8X8	
16	900100 05040	2	BOLT 5X40	
17	900600 00005	2	WASHER 5	
18	610239 04130	2	WASHER, SHIM	
20	900800 06001	1	BEARING, BALL 6001	
21	900807 06001	1	BEARING, BALL 6001	
22	900702 00028	1	CIRCLIP 28	
23	900701 00012	1	CIRCLIP 12	
24	699015 23532	1	BRACKET, SHIELD	
25	900605 00005	2	WASHER, SPRING 5	
26	900500 00005	2	NUT 5	
27	890118 48830	2	LABEL, ECHO	
28	890168 41030	1	LABEL, CAUTION	
29	699000 23531	1	SHIELD ASY (BL)	INCLUDES ITEMS 24 - 26, 30 & 31
30	900242 05010	3	SCREW 5X10	
31	900220 05008	2	SCREW 5X8	
32	699000 40831	1	SHIELD ASY	
33	900242 05016	5	SCREW 5X16	INCLUDES ITEMS 33 - 36
34	699016 44330	1	CUTTER	
35	890168 44830	1	LABEL, CAUTION	
36	699018 40830	1	BRACKET, SHIELD	
37	895410 08030	1	WRENCH, W/SCREWDRIVER	
38	895112 00330	1	SPANNER 8X10	
39	897518 01131	1	LOCKING TOOL	
40	898502 01130	1	PIN 2X22 (W/POUCH)	

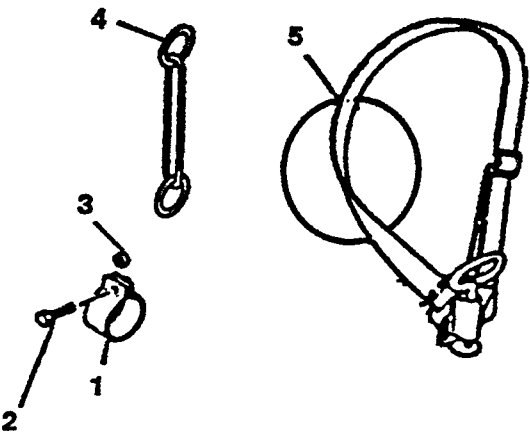


KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	125200 51331	1	CARBURETOR C1U-K21A	INCLUDES THE FOLLOWING ITEMS
1	125344 13931	2	SCREW	
2	125342 15130	1	COVER, DIAPHRAGM	
3	A B	1	DIAPHRAGM	
4	A B	1	GASKET, DIAPHRAGM	
5	125339 13930	1	SCREW	
6	B	1	PIN	
7	B	1	ARM, VALVE	
8	B	1	SPRING, COIL	
9	B	1	VALVE, NEEDLE	
10	125327 15130	1	CLIP	
11	B	1	PLUG, WELCH	
12	125316 51230	1	VALVE, THROTTLE	
13	125314 13930	1	SCREW	
14	125319 42030	2	SPRING, COIL	
15	125320 51230	1	NEEDLE, HIGH SPEED	
16	125318 51330	1	NEEDLE, IDLE	
17	125313 42030	1	SPRING, THROTTLE RETURN	
18	125317 11820	1	SHAFT, THROTTLE	
19	125327 13930	1	CLIP	
20	B	1	SWIVEL	
21	125326 42030	1	STRAINER	
22	A B	1	DIAPHRAGM, FUEL PUMP	
23	A B	1	GASKET, FUEL PUMP	
24	125324 11610	1	COVER, PUMP	
25	125381 46730	1	PUMP, PRIMER	
26	125363 11610	1	RING	
27	125310 11610	2	SCREW	
28	125344 13930	1	SCREW, IDLE ADJUST	
29	125378 13930	1	PIECE, FRICTION	
30	125376 51330	1	NOZZLE, CHECK VALVE	
A	125303 51030	1	GASKET/DIAPHRAGM KIT	
B	125300 51330	1	REPAIR KIT	

351304 49730 U-HANDLE KIT



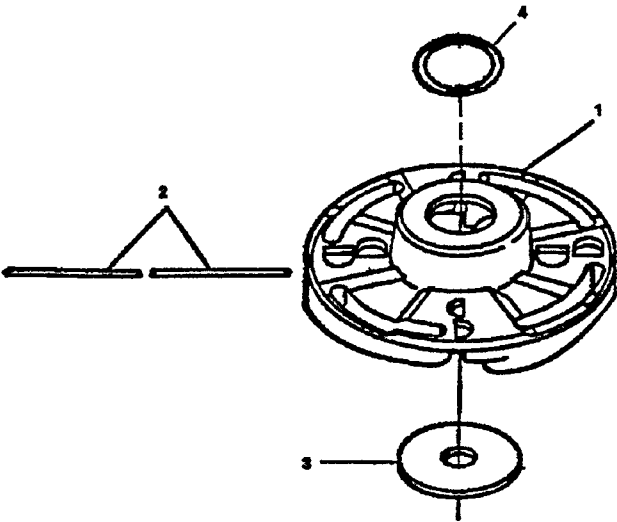
999442 00200 SRM SHOULDER STRAP KIT



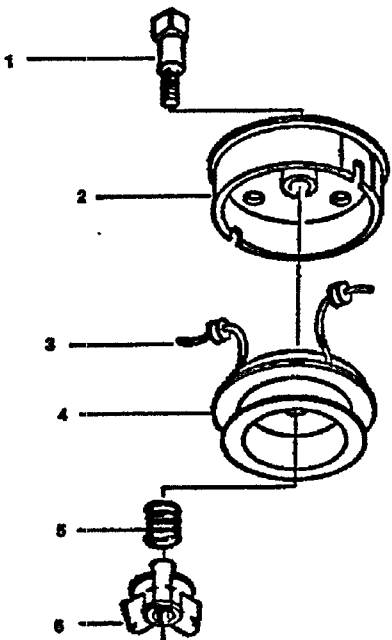
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KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	35130449730	1	U-HANDLE KIT	INCLUDES THE FOLLOWING ITEMS
1	16340041030	1	SWITCH, IGNITION	
2	17800141030	1	WIRE, THROTTLE	
3	17801006460	1	CONTROL, THROTTLE	
4	17802441830	1	BRACKET, THROTTLE	
5	17804305230	1	SPRING, THROTTLE RETURN	
6	17810605330	1	BAND	
7	17811005330	1	SCREW	
8	17811104930	1	CLIP	
9	17812741030	2	TUBE	
10	30110541830	1	CUSHION	
11	30120005230	1	HOOK	
12	35101005530	1	HANDLE	
13	35121005530	1	HANDLE, LEFT	
14	35130104130	1	BRACKET ASY	INCLUDES ITEMS 17, 20 & 21
15	35131102330	1	GRIP	
16	35131522130	1	GRIP	
17	35131904130	2	SPACER	
18	90056000005	1	LOCK NUT	
19	90010005012	1	BOLT 5X12	
20	90014205025	4	BOLT 5X25	
21	90014206030	2	BOLT 6X30	
22	90022005025	1	SCREW 5X25	
23	90050000005	1	NUT 5	
24	90050200006	2	NUT 6	
25	90060000006	2	WASHER	
26	90022005010	1	SCREW 5X10	
	99944200200	1	SRM SHOULDER STRAP KIT	INCLUDES THE FOLLOWING ITEMS
1	30120708930	1	HOOK	
2	90010005018	1	BOLT 5X10	
3	69901203330	1	SPACER	
4	30130524330	1	HOOK, LINK	
5	30100052130	1	HARNESS	

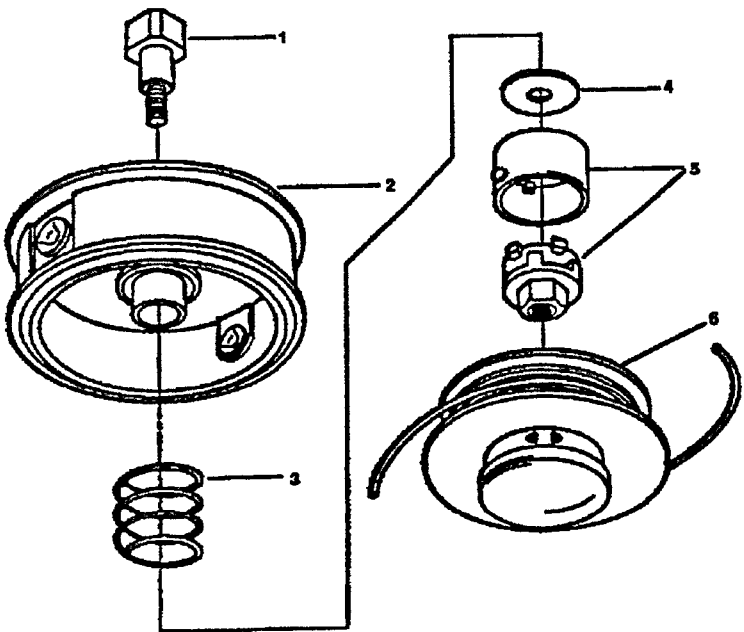
999442 00220 MANUAL HEAD ASY



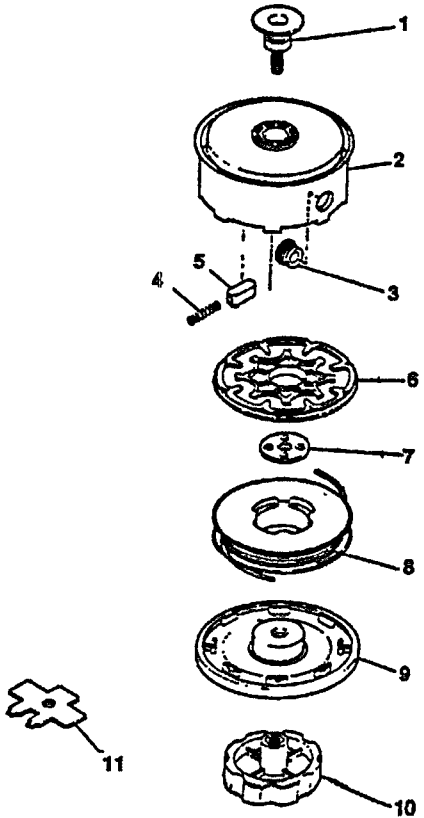
21560060 MANUAL HEAD ASY



21560050 SEMI-AUTO HEAD ASY

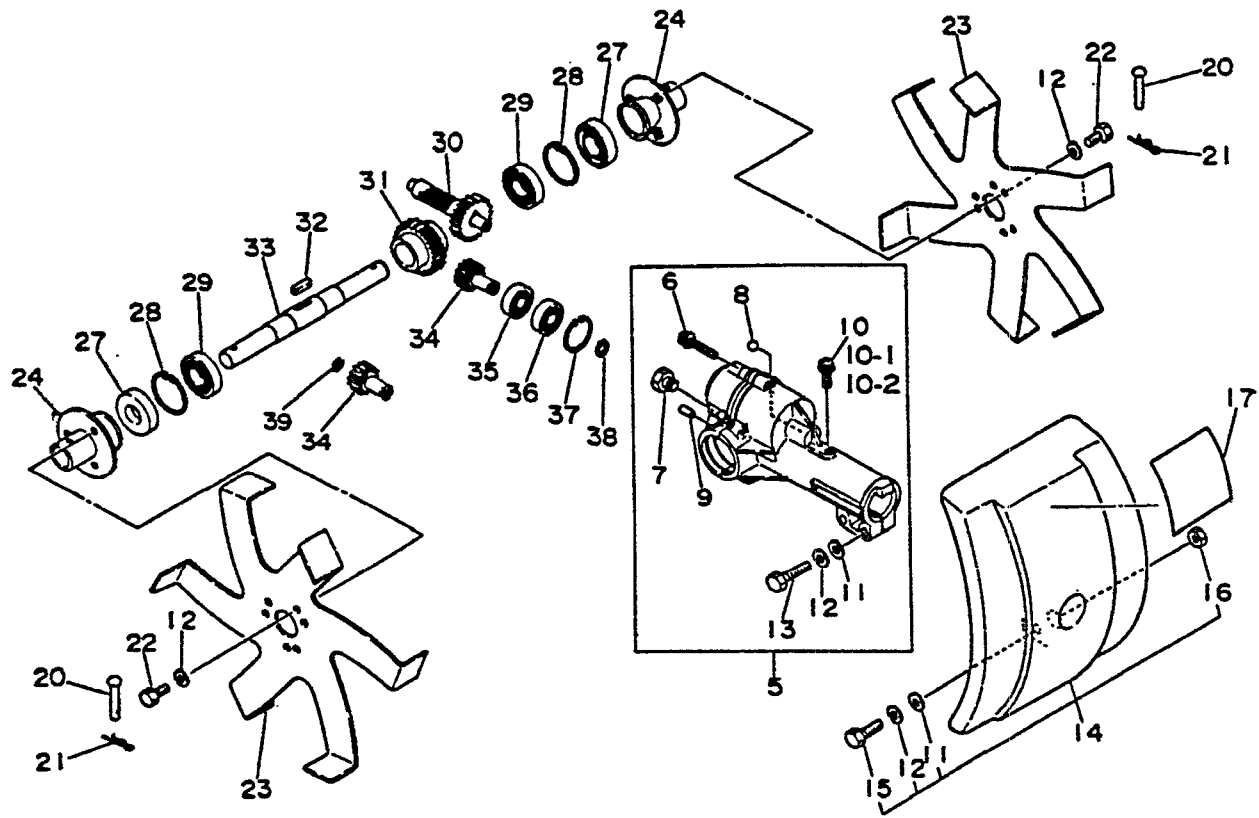


999442 00210 AUTOMATIC HEAD ASY



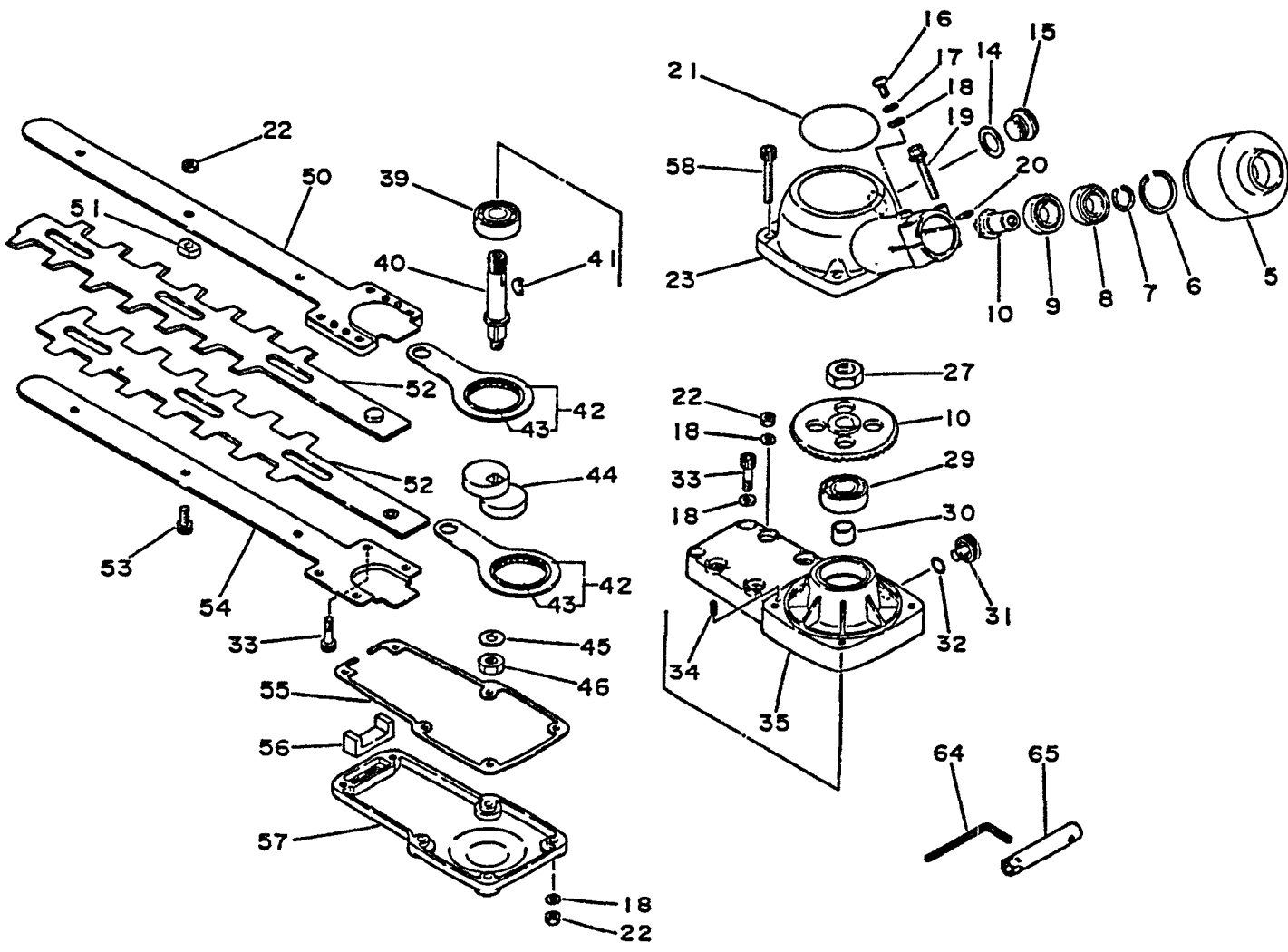
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KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	99944200220	1	MANUAL HEAD ASY	INCLUDES THE FOLLOWING ITEMS
1	99944200220	1	HEAVY DUTY HEAD	
2	305080052	1	1/2 LB. BULK LINE	
	310080062	1	1 LB. BULK LINE	
	313080052	1	3 LB. BULK LINE	
	315080052	1	5 LB. BULK LINE	
3	6103140	1	WASHER, ADAPTER	
4	61034107330	1	COLLAR ADAPTOR PLATE	
	21560060	1	MANUAL HEAD ASY	INCLUDES THE FOLLOWING ITEMS
1	215601	1	SHAFT	
2	215702	1	HOUSING	
3	215703	1	EYELETS	
4	215704	1	SPOOL	
5	215705	1	SPRING	
6	215706	1	KNOB	
	21560050	1	SEMI-AUTO HEAD ASY	INCLUDES THE FOLLOWING ITEMS
1	215601	1	BOLT, SHAFT	
2	215602	1	DRUM, W/EYELETS	
3	215603	1	SPRING	
4	215604	1	WASHER	
5	215609	1	OUTER DRIVE & INNER CAM L.H.	
6	215607	1	SPOOL	
	99944200210	1	AUTOMATIC HEAD ASY	INCLUDES THE FOLLOWING ITEMS
1	69621152130	1	SHAFT	
2	69621052130	1	HOUSING, DRUM	
3	69621252130	1	EYELET SET	
4	69622152130	1	SPRING SET (RED)	
4	69621251730	1	SPRING SET (SILVER)	
4	69621251830	1	SPRING SET (YELLOW)	
5	69623052130	1	SLIDER SET	
6	69623152130	1	PLATE, SPACER	
7	69623252130	1	NUT	
8	69621452130	1	DRUM	
9	69621752130	1	COVER	
10	69621952130	1	LOCKNUT	
11	89753152130	1	TOOL, LOCKING	



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KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	SRAC-400	1	CULTIVATOR ATTACHMENT	INCLUDES THE FOLLOWING ITEMS
5	605401 11150	1	HOUSING, GEAR	INCLUDES ITEMS 6 - 13
6	900242 04025	5	SCREW 4X25	
7	900100 08008	1	BOLT 8X8	
8	900731 01004	1	BALL, STEEL	
9	605430 11050	2	PIN, DOWEL	
10	900220 05014	1	SCREW 5X14	
10-1	900605 00005	1	WASHER, SPRING 5	
10-2	900600 00005	1	WASHER 5	
11	900600 00006	3	WASHER 6	
12	900605 00006	9	WASHER, SPRING 6	
13	900100 06025	2	BOLT 6X25	INCLUDES ITEMS 11, 12, 15 & 16
14	694000 11150	1	SHIELD	
15	900100 06020	1	BOLT 6X20	
16	900500 00006	1	NUT 6	
17	890317 11051	1	LABEL	
20	605611 11050	2	PIN	
21	605612 11050	2	PIN, COTTER	
22	900100 06010	6	BOLT 6X10	
23	690010 11050	2	BLADE	
24	605610 11050	2	HUB, BLADE	
27	605416 11050	2	OIL SEAL	
28	900702 00030	2	CIRCLIP 30	
29	900855 06903	2	BEARING, BALL 6903	
30	605305 11050	1	GEAR	
31	605315 11050	1	WHEEL, WORM	
32	900325 04015	1	KEY	
33	605314 11050	1	SHAFT, WORM WHEEL	
34	605310 11250	1	GEAR	
35	900800 06001	1	BEARING, BALL 6001	
36	900803 06001	1	BEARING, BALL 6001	
37	900702 00028	1	CIRCLIP 28	
38	900701 00012	1	CIRCLIP 12	
39	900707 00007	1	CIRCLIP 7	

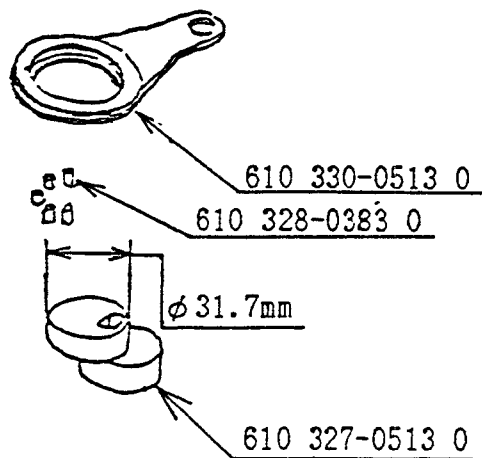


SRM-3000

KEY	PART NUMBER	QTY	DESCRIPTION	REMARKS
	RSAR-3000	1	RECIPROCATING CUTTER	INCLUDES THE FOLLOWING ITEMS
5	610435 05130	1	COVER, WATERPROOF	
6	900702 00028	1	CIRCLIP 28	
7	900706 00012	1	CIRCLIP 12	
8	900801 06001	1	BEARING, BALL 6001	
9	900800 06001	1	BEARING, BALL 6001	
10	610300 41030	1	GEAR SET	
14	610511 01230	1	GASKET	
15	610510 01930	1	PLUG	
16	900220 05010	1	SCREW 5X10	
17	900605 00005	1	WASHER, SPRING 5	
18	900600 00005	11	WASHER 5	
19	900142 05035	2	BOLT 5X35	
20	610239 04130	2	SPACER	
21	890135 41030	1	LABEL	
22	900562 00005	11	LOCKNUT	
23	610410 05131	1	HOUSING, GEAR	
27	900503 00012	1	NUT 12	
29	900810 06201	1	BEARING, BALL 6201	
30	610315 05130	1	SPACER	
31	610434 03830	1	PLUG	
32	900720 00008	1	O-RING 8	
33	900105 05022	6	BOLT, H.S.H. 5X22	
34	900340 30010	1	PIN, SPRING 3X10	
35	610408 05130	1	HOUSING, CAM	
39	900811 06201	1	BEARING, BALL 6201	
40	610310 05130	1	SHAFT, CUTTER	
41	610325 02730	1	KEY, WOODRUFF	
*42	610307 05130	2	ROD, CONNECTING	INCLUDES ITEM 43
*43	610327 01260	2	BEARING, NEEDLE	
*44	610327 40930	1	CAM	
45	900600 00008	1	WASHER	
46	610320 03830	1	NUT	
50	699110 05130	1	BAR, FRAME	
51	699111 05130	3	SPACER	
52	697000 05130	1	CUTTER SET	
53	900105 05014	3	BOLT, H.S.H. 5X14	
54	699117 05130	1	BAR, FRAME	
55	610414 05130	1	GASKET, GEAR HOUSING	
56	610426 05130	1	FELT	
57	610411 05130	1	COVER, CAM HOUSING	
58	900162 05043	4	BOLT, H.S.H. 5X43	
64	895610 00130	1	L-WRENCH	
65	895314 03430	1	WRENCH BOX	

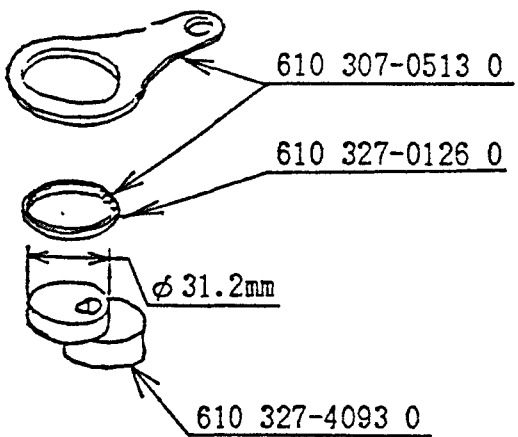
*SEE NOTES 1 & 2 PAGE 21.

NOTE 1: The early version RSAR-2500, 3000 utilized Cam #610327 05130 requiring separate Needle Bearings 610328 03830 and Connecting Rod 610330 05130. Refer to the drawing below for service parts.



NOTE 2: When Cam 610327 05130 is no longer available it will supersede to 610302 04130 Cam/Rod Asy. Service parts for the Cam/Rod Asy are as shown.

<u>BEFORE</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>AFTER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
610327 05130	1	Cam	610302 05130	1	Cam/Rod Asy
			-610327 40930	1	Cam
			-610307 05130	2	Con Rod Asy
			--610327 01260	2	Bearing Needle



Parts are not interchangeable. Later version RSAR's are serviced as shown in the parts lists.

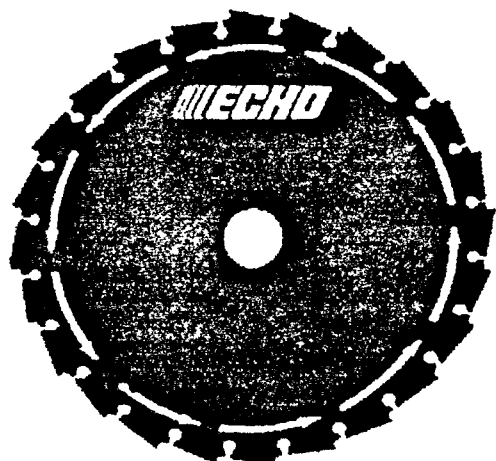
695001 21430 10" BRUSH BLADE



696001 21430 8" 8-CUTTER BLADE



999442 00140 CLEARING SAW BLADE



999442 00045 TRI-CUT BLADE
(25 MM ARBOR)

