

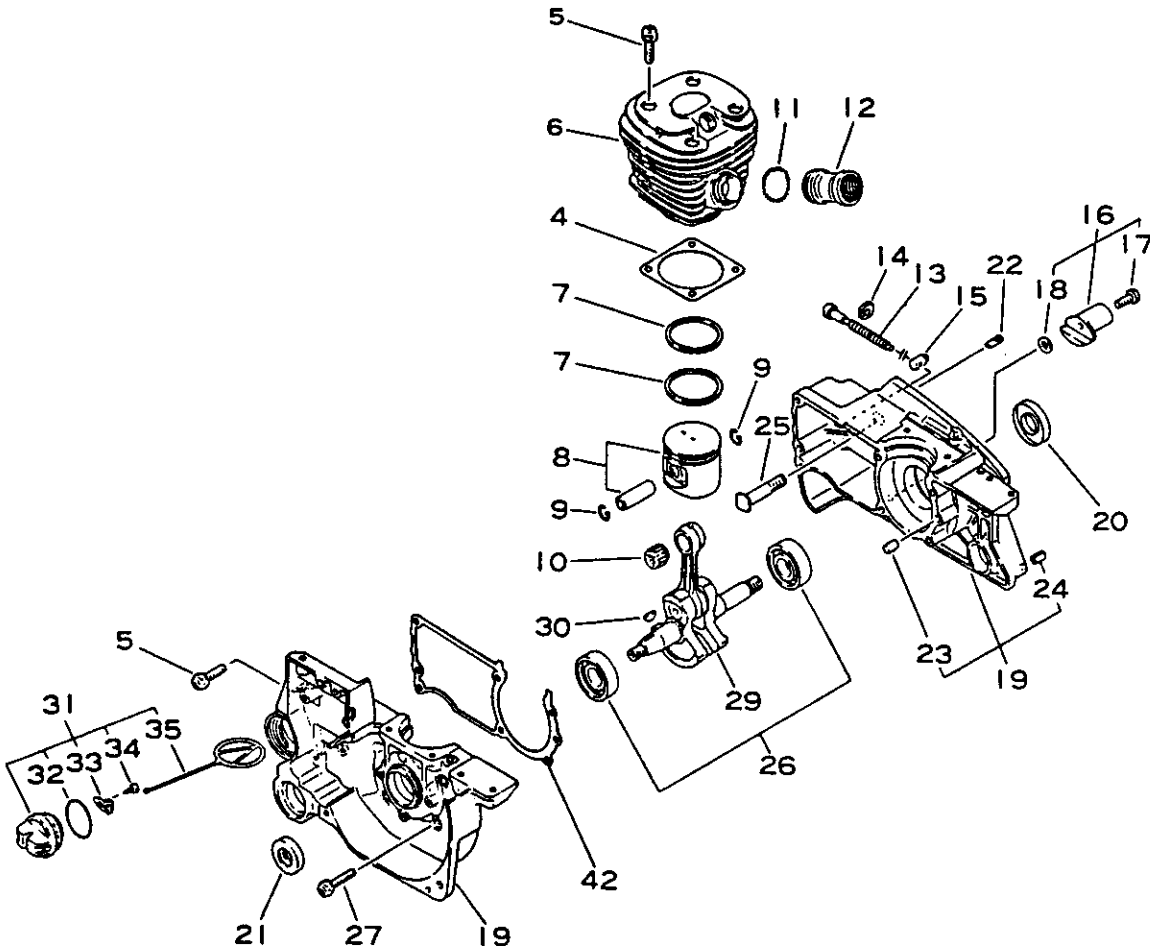


**CHAIN SAW
PARTS BOOK
MODEL CS-4600
EAGLE (GRAY)
SERIAL NUMBER 033241 & UP**

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

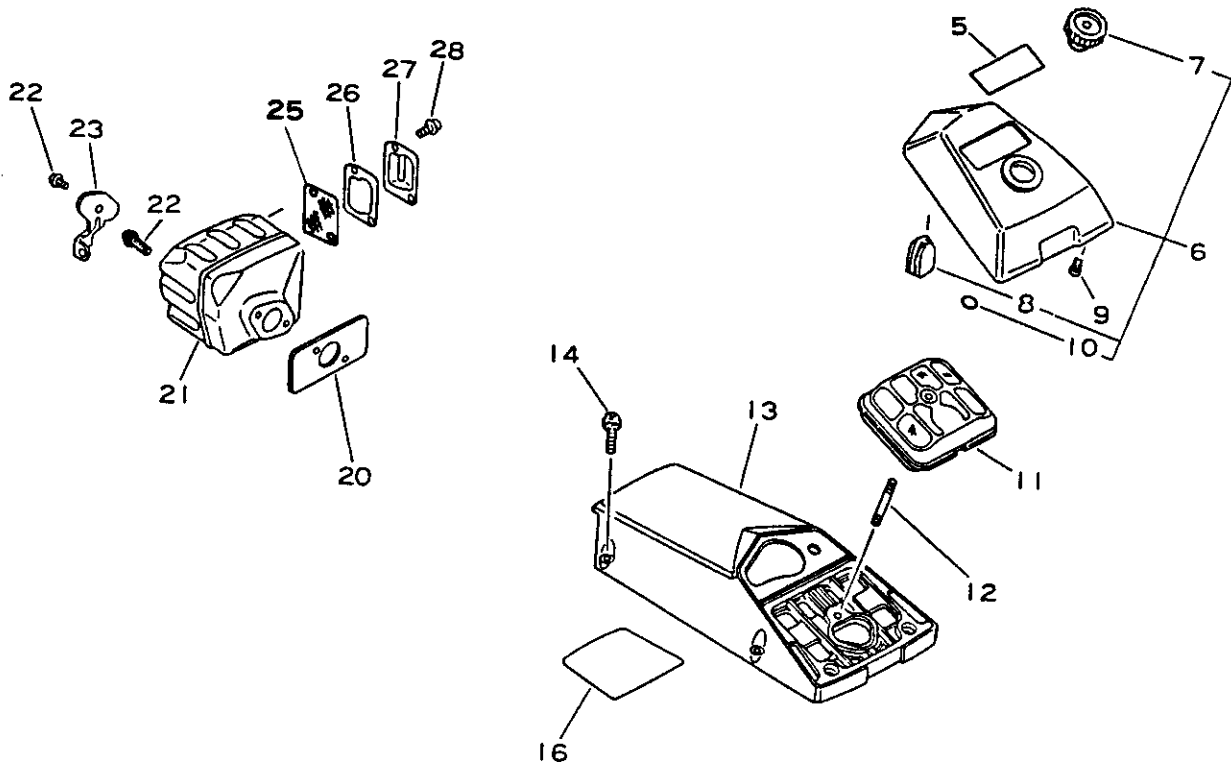
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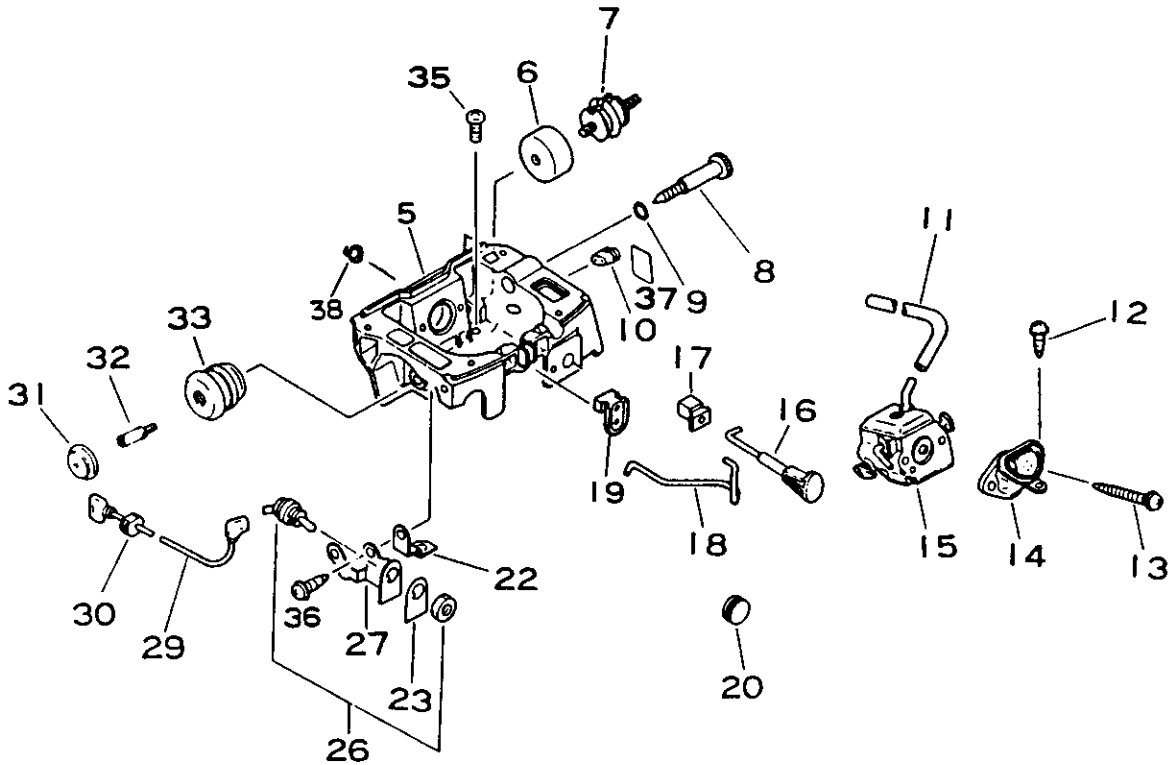


Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
1- 4	101 010-1983 1	1	Gasket, cyl. base	1- 21	-100 212-1983 0	1	Oilseal
5	900 162-0502 0	6	Screw 5 x 20	22	-436 114-1393 0	1	Valve, check
6	101001-33731	1	Cylinder	23	-100 215-0283 0	2	Pin, dowel
7	100 011-3373 0	2	Ring, piston	24	-900 345-5001 0	1	Pin, spring 5 x 10
8	100 003-1993 0	1	Piston w/pin	25	-433 011-1983 0	2	Stud, guide bar
9	100 015-0012 0	2	Circlip, piston pin	26	-100 121-1983 0	1	Bearing, ball
11	130 516-1983 0	1	Band	42	-100 242-1983 1	1	Gasket crankcase
12	130 510-3333 0	1	Adapter, intake	27	900 162-0503 0	4	Screw 5 x 30
13	433 016-1983 0	1	Screw, tensioner	29	100 100-1983 0	1	Crankshaft, assembly
14	433 028-1103 0	1	Clip	10	-100 012-1983 0	1	Bearing, needle
15	433 014-1983 0	1	Tensioner	30	100 142-3083 0	1	Key, woodruff
16	433 000-3333 0	1	Catcher kit, chain	31	436 001-3793 2	1	Cap assembly, oil tank
17	-900 238-0501 8	1	Screw 5x18	32	-900 725-0202 5	1	O-ring
18	-900 600-0000 5	1	Washer 5	33	-131 050-1983 0	1	Holder
19	100 204-3763 1	1	Crankcase set	34	-900 246-0300 8	1	Screw 3 x 8
20	-100 212-3243 0	1	Oilseal	35	-131 051-1983 0	1	Link

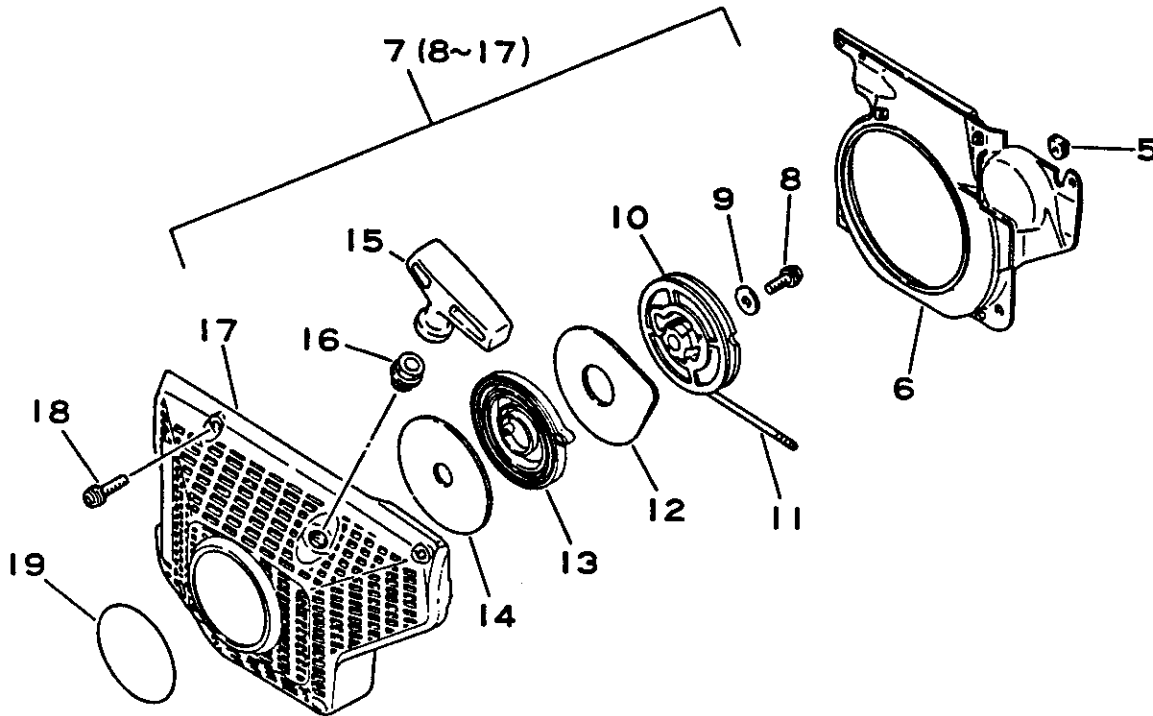
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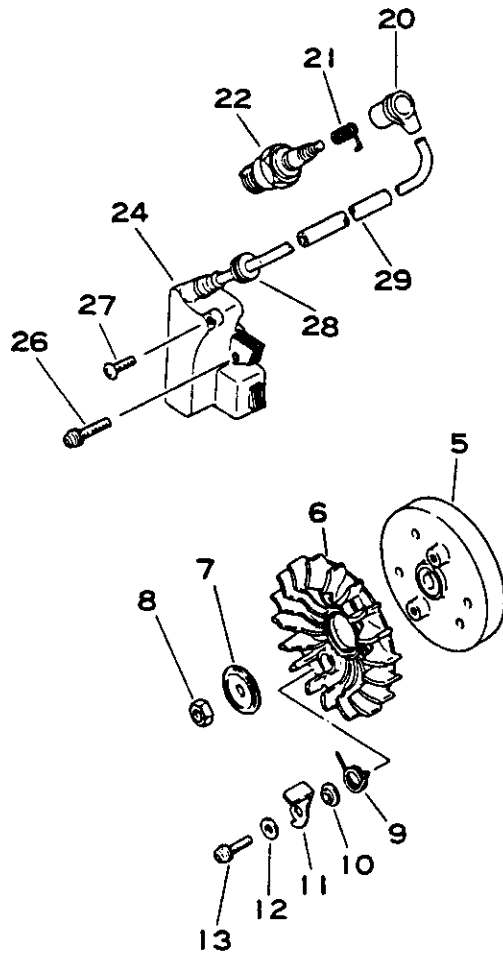
Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description		
2-	5	890 161-3393 0	1	Label, model	2-	23	145 711-3333 0	1	Bracket, muffler
	6	130 302-3333 0	1	Cover, air cleaner		26	145 866-3333 1	1	Gasket, muffler lid
	7	-130 406-3333 0	1	Nut		25	145 862-3393 0	1	Screen, muffler
	8	-130 338-3243 0	1	Plug, cover		27	145 873-3393 0	1	Lid, muffler
	9	-130 366-3333 0	4	Plug		28	900 238-0400 8	2	Screw 4 x 8
	10	-900 720-0001 1	1	O-ring 11					
	11	130 300-3383 0	1	Filter, air					
	12	130 325-3333 0	1	Stud					
	13	101 501-3763 0	1	Cover, cylinder					
	16	-101 520-3333 0	1	Cover					
	14	900 238-0502 0	7	Screw 5 x 20					
	20	145 510-1983 1	1	Gasket, muffler					
	21	145 610-3333 0	1	Muffler					
	22	900 246-0501 0	2	Screw 5 x 10					



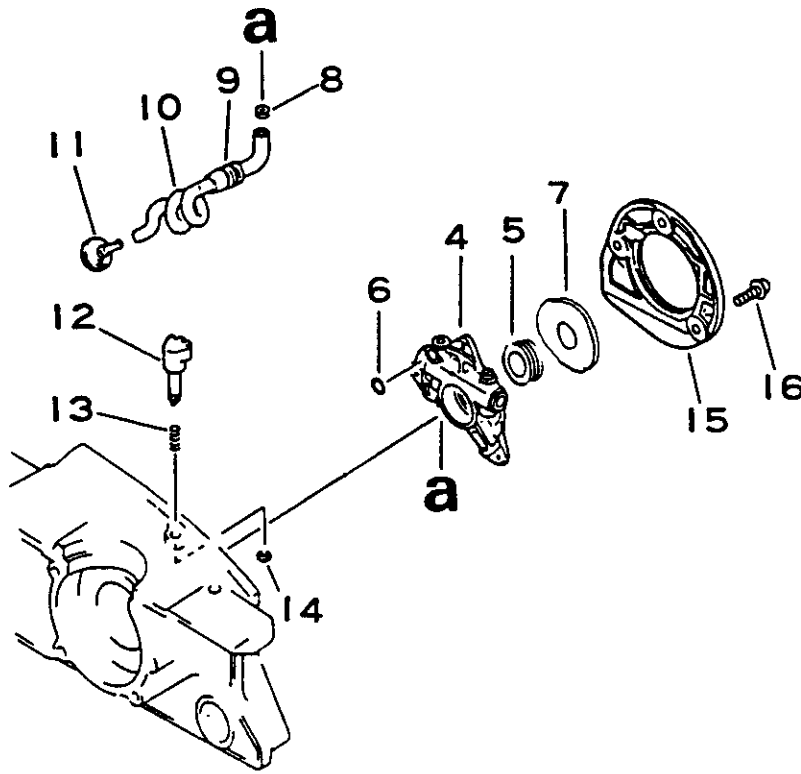
Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
3- 5	130306-37631	1	Case, carburetor	3- 20	163 911-3013 0	1	Plug
6	100 927-1983 0	1	Plate	22	156 635-3333 0	1	Plate, ground
7	100 905-3753 0	1	Cushion	23	890 157-3013 0	1	Label, switch
8	129 013-1983 0	1	Screw, idle adjust	26	163 400-3083 0	1	Switch, ignition
9	900 720-0000 6	1	O-ring 6	27	163 810-3013 0	1	Bracket, switch
10	129 010-3333 0	1	Grommet	29	162 021-1983 1	1	Lead, ground
11	130 110-1983 0	1	Pipe, impulse	30	156 114-0492 0	1	Grommet
12	900 252-0501 4	1	Screw 5 x 14	31	100 918-1983 0	1	Cap, cushion
13	900162-05055	2	Screw 5 x 55	32	100 915-3393 0	1	Screw
14	130 518-3333 0	1	Gasket	33	100917-19830	1	Cushion
15	125 200-3333 0	1	Carburetor assembly	35	900 238-0502 0	4	Screw 5 x 20
16	178 510-3333 0	1	Rod, choke	36	900 252-0501 0	1	Screw 5 x 10
17	178 810-3333 0	1	Grommet, choke	37	890 185-0346 0	1	Label, idle
18	178 011-3373 0	1	Rod, throttle	38	130 020-3333 0	2	Nut
19	178 114-3373 0	1	Holder, lever				



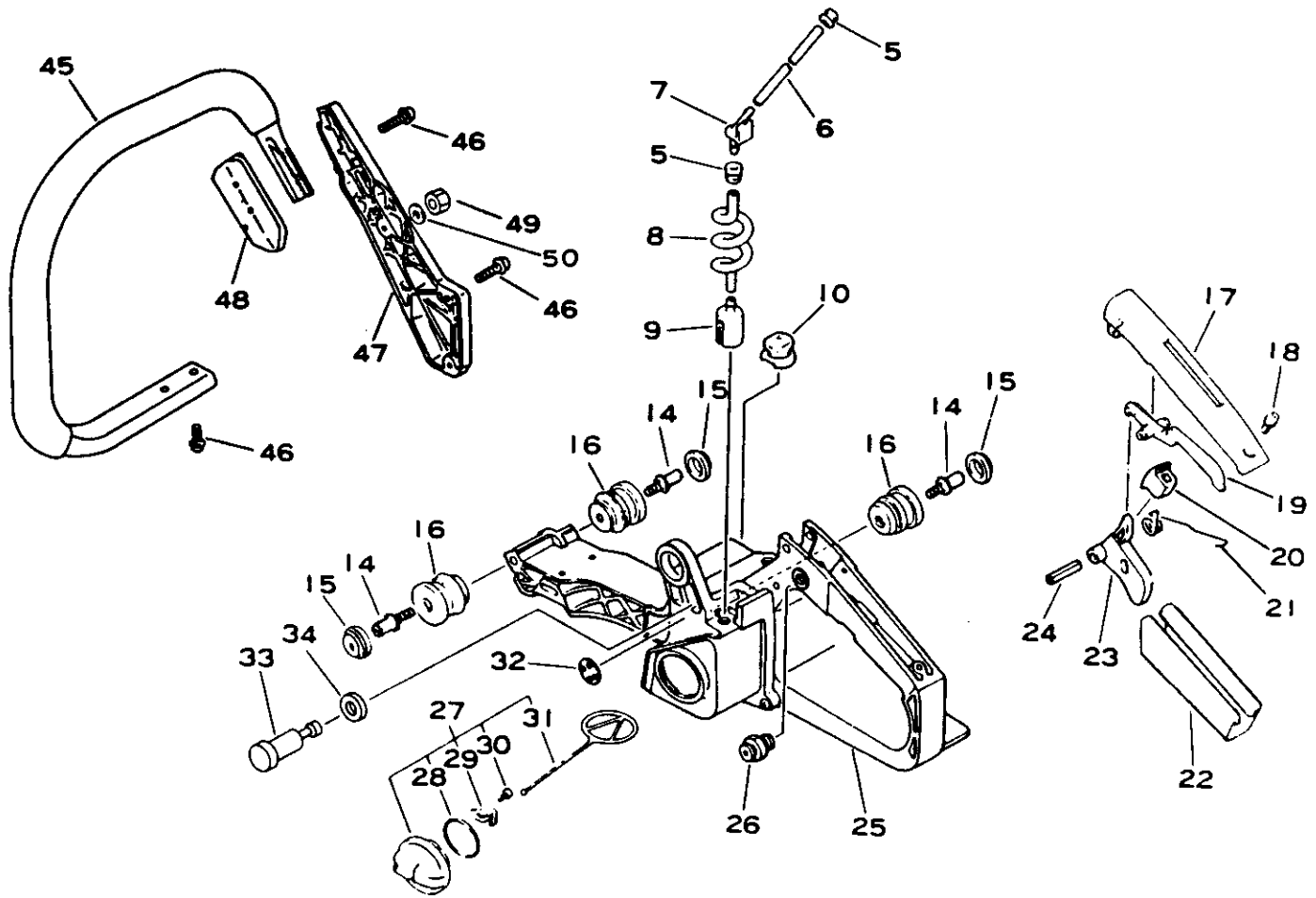
Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
4- 5	156 114-0492 0	1	Grommet	4- 15	-177 228-1983 0	1	Grip, starter
6	101 535-3763 0	1	Cover, fan (inner)	46	-177 227-0502 0	1	Guide, rope
7	177 200-3763 1	1	Starter assembly	17	-101 507-3763 0	1	Cover, fan
8	-900 238-0501 4	1	Screw 5 x 14	18	900 238-0502 0	4	Screw 5 x 20
9	-900 603-0000 5	1	Washer 5	19	890 112-1783 2	1	Label
10	-177 215-1983 0	1	Drum, starter				
11	-177 226-1983 0	1	Rope, strarter				
12	-177 242-0393 0	1	Plate, starter				
13	-177 220-0393 0	1	Spring, rewind				
14	-177 221-0393 0	1	Plate, starter				



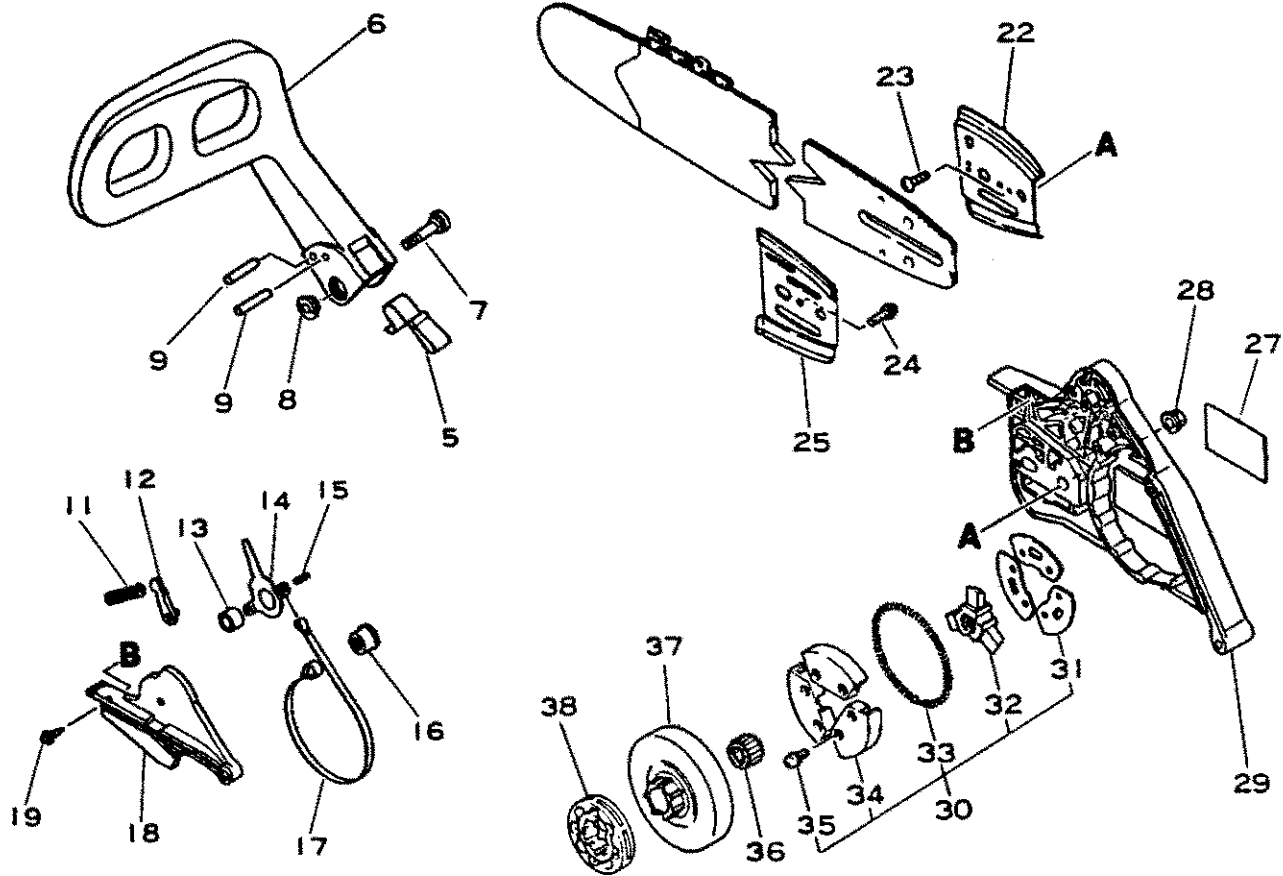
Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
5-	5	1	Flywheel	5-	21	1	Coil, spark plug cap
	6	1	Fan, cooling		22	1	Plug, spark
	7	1	Washer		24	1	Coil, ignition
	8	1	Nut 8		26	4	Screw 4 x 20
	9	2	Spring, return		27	1	Screw 4x8
	10	2	Spacer, ratchet		28	2	Bushing
	11	2	Pawl, starter		29	1	Tube
	12	2	Washer 5				
	13	2	Screw 5 x 14				
	20	1	Cap. spark plug				



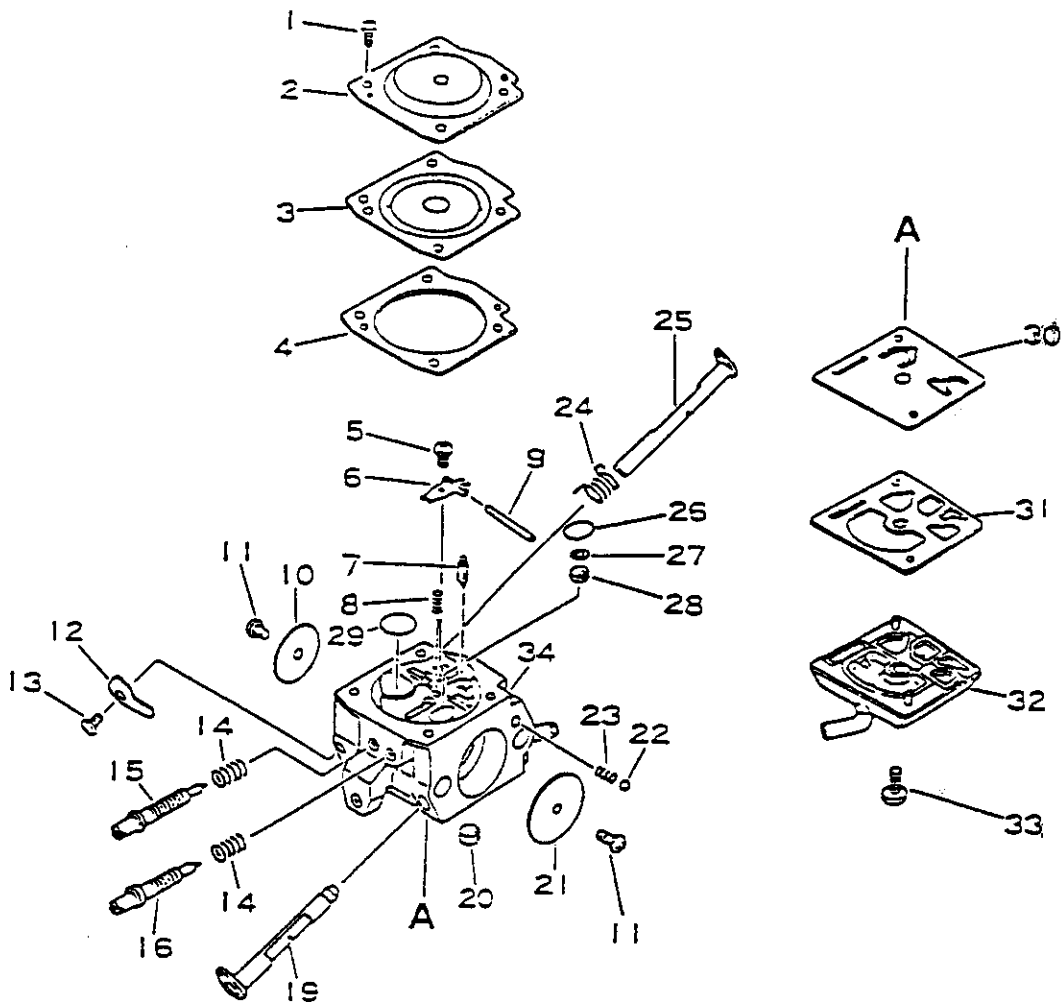
Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
6-	4	1	Auto-oiler assembly	6-	14	1	E-ring 3
	5	1	Worm		15	1	Cover, oil pump
	6	1	O-ring 3		16	3	Screw 4 x 14
	7	1	Cover				
	8	1	Clip				
	9	1	Grommet				
	10	1	Pipe, oil				
	11	1	Strainer, oil				
	12	1	Knob				
	13	1	Spring				



Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
7- 5	132 115-0146 0	1	Grommet	7- 34	-131 329-3393 0	1	Grommet
6	132 012-1983 0	1	Pipe, fuel	26	178 302-3763 0	1	Latch, throttle
7	132 011-1983 0	1	Connector, fuel pipe	27	131 004-3763 0	1	Cap assembly, fuel tank
8	132 010-1983 0	1	Pipe	28	-900 720-2002 9	1	O-ring 29
9	131 205-1983 0	1	Strainer, fuel	29	-131 050-1983 0	1	Retainer, link
10	100 251-1983 0	1	Cushion	30	-900 258-0300 8	1	Screw 3 x 8
14	100 915-3393 0	3	Screw	31	-131 051-1983 0	1	Link
15	100 918-1983 0	3	Cap, cushion	45	351 606-3763 0	1	Handle, front
16	100 910-3393 0	3	Cushion	46	900 252-0502 0	6	Screw,
17	351 155-3013 1	1	Cover, handle	47	351 613-3393 0	1	Supporter, F. handle
18	900 252-0401 4	1	Screw 4x14	48	351 614-3393 0	1	Bracket, F. handle
19	178 090-3793 0	1	Lockout, thr. control	49	900 529-0000 5	1	Nut
20	178 073-3243 0	1	Cushion, throttle	50	900 600-0000 5	1	Washer
21	178 043-1983 0	1	Spring, thr. return				
22	351 111-3013 0	1	Grip				
23	178 005-3763 0	1	Control, throttle				
24	900 342-5002 5	1	Pin, spring 5 x 25				
25	351 103-3763 0	1	Handle, rear				
32	-100 252-1983 0	1	Cushion				
33	-131 300-4063 0	1	Vent				



Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
8-				8- 23	900 241-0400 8	1	Screw 4x8
5	433 114-3753 0	4	Spring	24	900 241-0300 6	1	Screw 3x6
6	433 105-3753 0	1	Lever, brake	25	433 013-1983 1	1	Plate, guide
7	433 113-3753 0	1	Screw	27	890118-1833 2	1	Label, ECHO
8	433 137-3013 0	1	Nut	28	433 019-1233 0	2	Nut, Flange
9	900 330-3526 0	2	Roller	29	433 005-3763 0	1	Guard, sprocket
11	433 122-3543 0	1	Spring, brake	30	175 000-3753 0	1	Clutch assembly
12	433 209-3543 0	1	Stopper, brake	31	-175 019-1983 0	3	Plate, clutch
13	433 116-3543 0	1	Spacer	32	-175 016-1983 0	1	Hub, clutch
14	433 208-3543 0	1	Lever	33	-175 018-1983 0	1	Spring, clutch
15	900345-40008	1	Pin, spring	34	-175 002-1983 0	1	Shoe kit, clutch
16	433 142-3543 0	1	Adjuster	35	-900 105-0400 6	6	Screw 4x6
17	433 123-3543 0	1	Band, brake	36	175 012-1983 0	1	Bearing, needle
18	433 310-3753 0	1	Cover	37	175 105-1983 1	1	Drum, clutch
19	900 253-0401 0	3	Screw 4x10	38	175 114-1253 0	1	Rim, sprocket
22	433 012-1453 3	1	Plate, guide				



Key No.	Part Number	Q'ty	Description	Key No.	Part Number	Q'ty	Description
10-	125 200-3333 0	1	Carburetor assembly	10- 21	-125 332-3333 0	1	Valve, choke
1	A	4	Screw	22	-125 336-3333 0	1	Ball
2	-125342-33330	1	Cover, diaphragm	23	-125 335-3333 0	1	Spring, throttle friction
3	A B	1	Diaphragm	24	-125 313-3333 0	1	Spring, throttle return
4	A B	1	Gasket, diaphragm	25	-125 317-3333 0	1	Shaft, throttle
5	A	1	Screw	26	-125 346-3333 0	1	Plug, Welch
6	A	1	Arm, valve	27	-125 369-3333 0	1	Ring, retaining
7	A	1	Valve, needle	28	-125 368-3333 0	1	Strainer
8	A	1	Spring, coil	29	-125 345-3333 0	1	Plug, Welch
9	A	1	Pin, arm	30	A B	1	Diaphragm, fuel pump
10	-125 316-3333 0	1	Valve, throttle	31	A B	1	Gasket, fuel pump
11	-125 314-1393 0	2	Screw	32	-125 324-3333 0	1	Cover, pump
12	-125 350-3333 0	1	Lever, throttle	33	-125 310-1393 0	1	Screw
13	-125 348-1393 0	1	Screw				
14	A	2	Spring, coil	A	125302-33330	1	Repair Kit
15	-125 318-3333 0	1	Needle, idle	B	125303-33330	1	Gasket Kit
16	-125 320-3333 0	1	Needle, high speed				
19	-125 331-3333 0	1	Shaft, choke				
20	-125 326-4203 0	1	Strainer				