



AVAILABLE ATTACHMENTS & ACCESSORIES

Accessories

103942147	CS Carry Bag
89850308032	Blade Cover - 4.5 x 17in.
99988800207	CS Removable Nose Case

Guide Bars

12A0CD3745	Guide Bar - 12"
14A0CD3752	Guide Bar - 14"

Sawing Chains

91VG45G	Chain - 12"
91VG52G	Chain - 14"

PARTS CATALOG
CS-280E CHAIN SAW

27.9cc

MODEL: SERIAL NUMBERS

CS-280E: S/N 0120269_Up

ECHO, INCORPORATED

400 Oakwood Road Lake Zurich, Illinois 60047 USA

WWW.ECHO-USA.COM



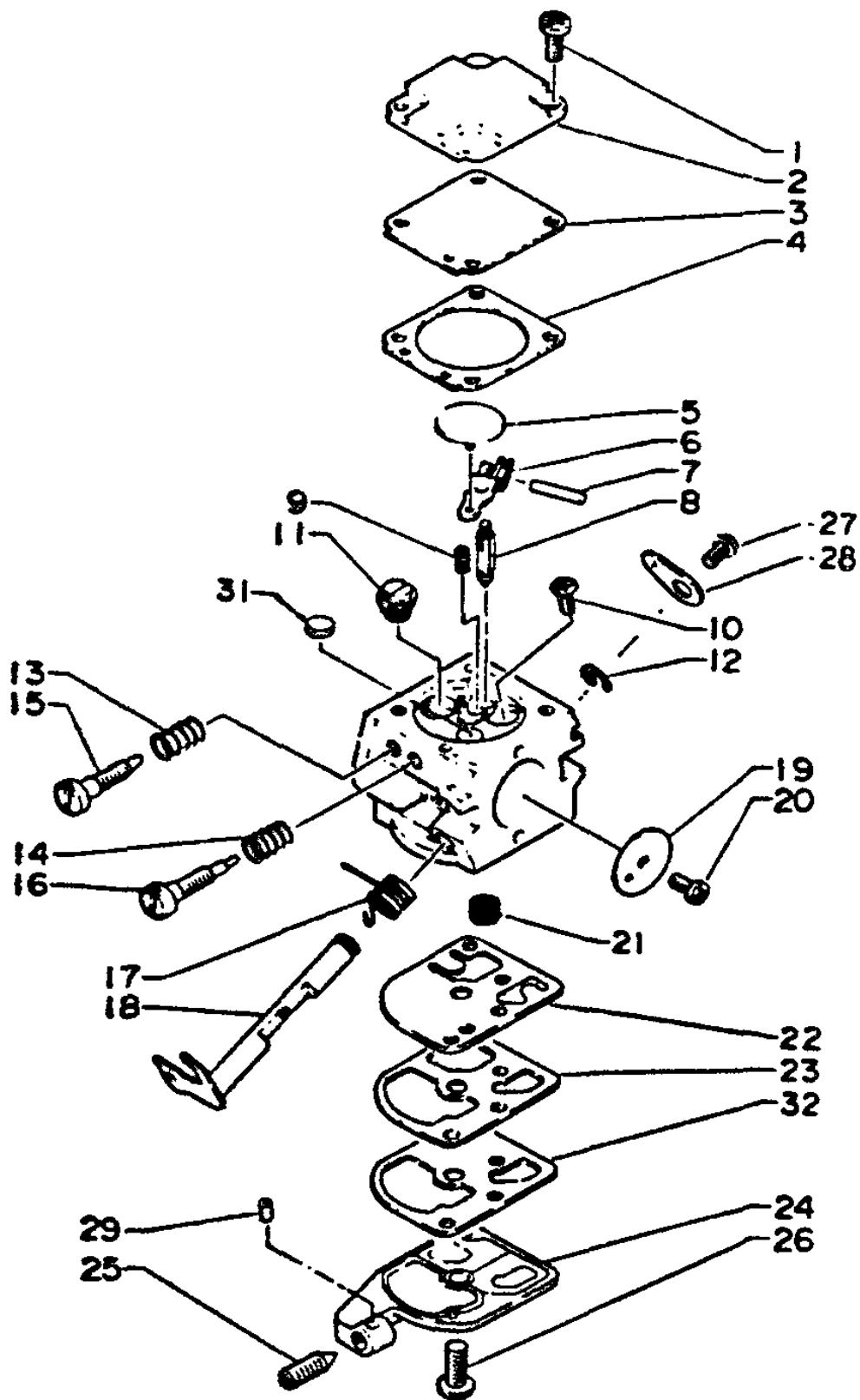
Table of Contents

Click Any Diagram Description Below To View That Diagram.

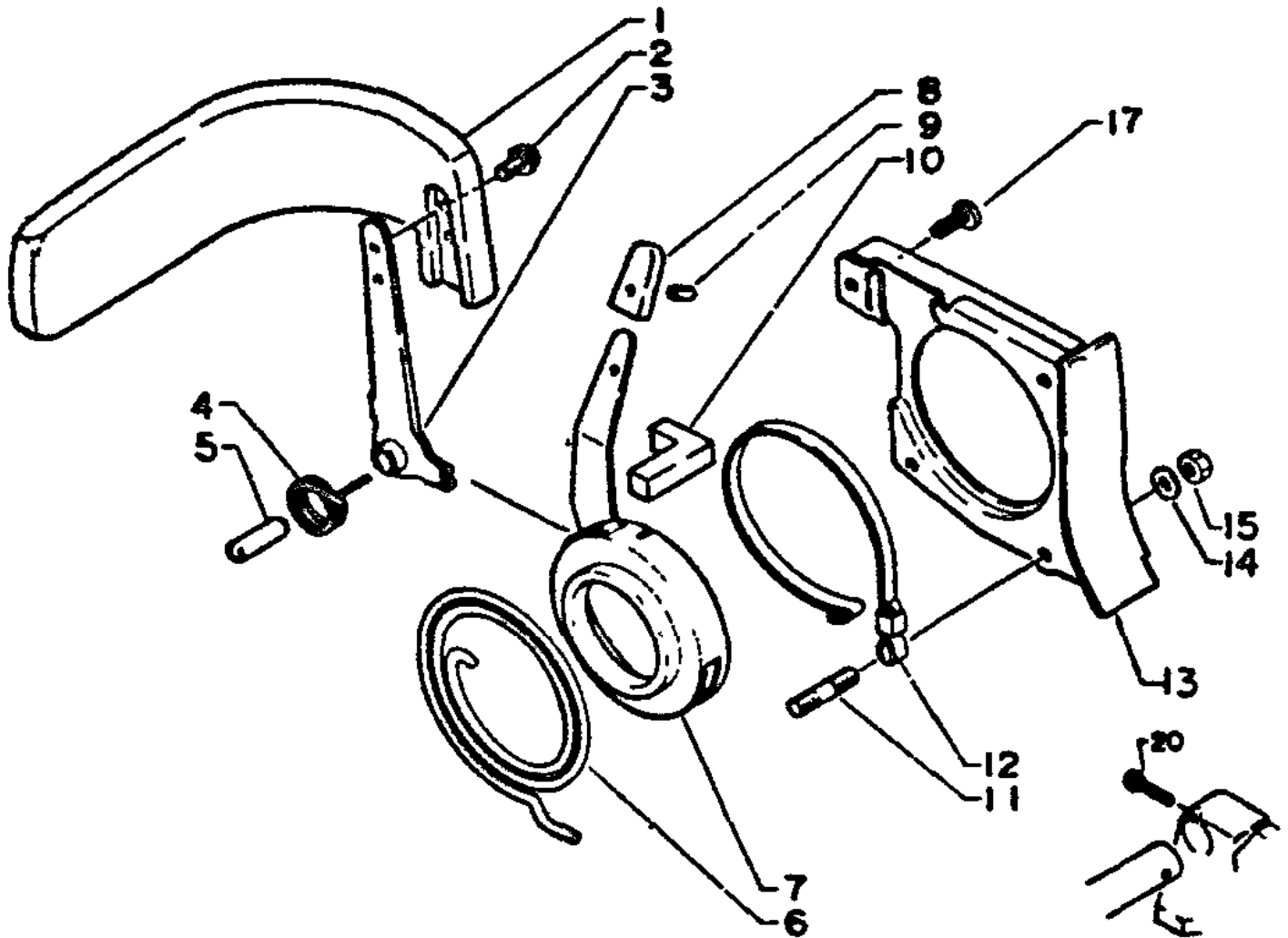
CS-280E S/N 0120269 Up

Carburetor.....	4
Chain Brake.....	6
Unit Complete.....	8
Part Number Index.....	12
Part Description Index.....	13

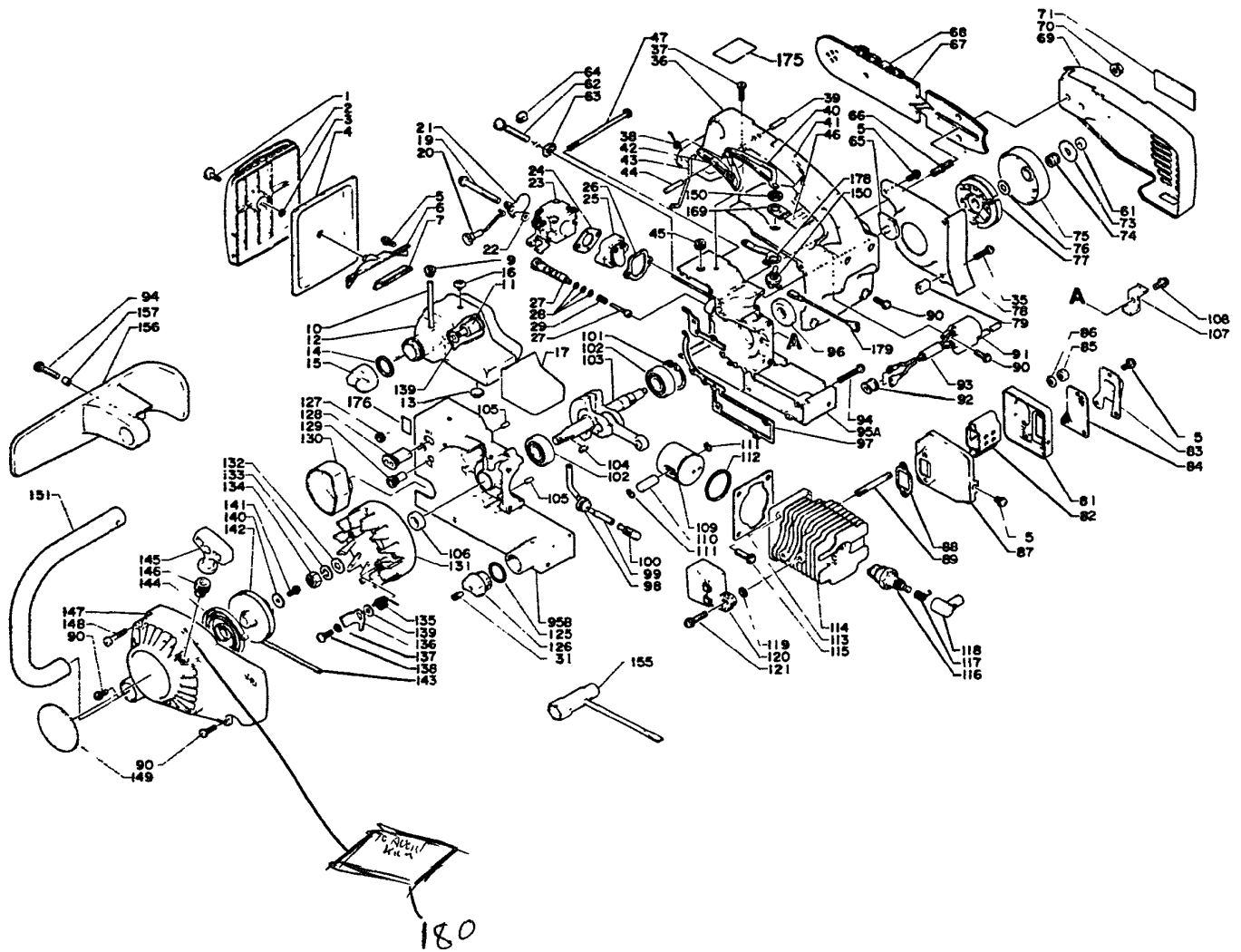
This Page Intentionally Left Blank



ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	12520013932	1	Carburetor ass'y C1S-K1B	Consists of 1 thru 32
1	12534413930	4	Screw	
2	12534213930	1	Cover, diaphragm	
3		1	Diaphragm	Included in Repair Kit P/N 12530015130 & Gasket, Diaphragm Kit P/N 12530115130
4		1	Gasket, diaphragm	Included in Repair Kit P/N 12530015130 & Gasket, Diaphragm Kit P/N 12530115130
5	12537513930	1	Disc	
6		1	Valve arm	Included in Repair Kit P/N 12530015130
7		1	Arm pin	Included in Repair Kit P/N 12530015130
8		1	Needle valve	
9		1	Coil spring	
10	12533913930	1	Screw	
11	12537613930	1	Orifice, main fuel	Included in Repair Kit P/N 12530015130
12	12532713930	1	Clip	
13	12531913930	1	Coil spring	
14	12531913930	1	Coil spring	
15	12532013930	1	Needle, high speed	
16	12531813930	1	Needle, idle	
17	12531313930	1	Return spring, throttle	
18	12531713930	1	Throttle shaft	
19	12531613930	1	Throttle shaft	
19	12531613930	1	Throttle shutter	
20		1	Screw	Included in Repair Kit P/N 12530015130
21		1	Screen	Included in Repair Kit P/N 12530015130
22		1	Diaphragm, fuel pump	Included in Repair Kit P/N 12530015130 & Gasket, Diaphragm Kit P/N 12530115130
23		1	Gasket, fuel pump	Included in Repair Kit P/N 12530015130 & Gasket, Diaphragm Kit P/N 12530115130
24	12532413931	1	Pump cover	
25	12533413930	1	Screw, idle adjustment	
26	12531013930	1	Screw	
27	12534813930	1	Screw	
28	12535013931	1	Throttle lever	
29	12537813930	1	Friction piece	
31	12534513930	1	Welsh plug	
32		1	Diaphragm surge	Included in Repair Kit P/N 12530015130 & Gasket, Diaphragm Kit P/N 12530115130
	12530015130		Repair Kit	Includes items 3,4,6,7,8,9,11,20,21,22,23 & 32
	12530115130		Gasket, Diaphragm Kit	Includes items 3,4,22,23 & 32



ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	43311113930	1	Brake handle	
2	90024204012	2	Screw 4x12	
3	43311213930	1	Arm	
4	43311413930	1	Spring	
5	90033460020	1	Shaft	
6	43312213930	1	Brake spring	
7	43310913931	1	Band case	
8	43315213930	1	Grip	
9	90034030008	1	Spring pin 3 x 8	
10	43331313930	1	Dust Seal	
11	43313013930	1	Stud	
12	43312313932	1	Brake band	
13	43330513931	1	Seal plate	
14	17721403930	1	Washer	
15	90050000004	1	Nut 4	
17	90022004010	1	Screw 4 x 10	
20	90024204020	1	Screw 4x20	



ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
	13030215032	1	Cover ass'y, air cleaner	Includes items 1-3
1	13040613932	1	Thumb bolt	
2	13031315032	1	Cover, air cleaner	
3	90070000004	1	E-ring 4	
4	13031013930	1	Air filter	
5	90024204010	5	Screw 4x10 w/W, SW	
6	13040513931	1	Bracket, air filter	
7	13192013930	1	Cushion	
9	13211501460	1	Grommet	
10	13201013932	1	Fuel pipe	
11	13120500830	1	Fuel strainer	
12	13101013930	1	Fuel tank	See Parts Bulletin 87-11
13	10022313931	1	Cushion	
	13100413932	1	Cap ass'y, fuel tank	Includes item 14
14	13101613931	1	Gasket, fuel tank	
15	13101713932	1	Cap, fuel tank	Includes item 14
16	13131400330	1	Check valve	See Parts Bulletin 87-11
17	13192413930	1	Cushion	
19	90024205050	2	Screw 5x50 w/W,SW	
20	17851013930	1	Choke rod	
21	17851513930	1	Choke shutter	
22	17851603930	2	Spacer	
23	12520013934	1	Carburetor ass'y	
24	13001606431	1	Gasket	
25	13000013932	1	Insulator	
26	13001013930	1	Gasket	
27	43700011230	1	Auto oiler ass'y	Includes items 28-29
28	43702002830	3	O-ring	
29	43701902830	1	Coil spring	
35	90024204020	1	Screw 4x20	
36	35101013934	1	Top handle	
37	90024204018	4	Screw 4x18 w/W, SW	
38	17809113931	1	Spring	
39	90034050018	1	Spring pin 5x18	
40	17809013930	1	Throttle control lockout	
41	35101213930	1	Grip, handle	
42	17801013930	1	Throttle trigger	
43	17801113930	1	Throttle rod	
44	90034050025	1	Spring pin 5x25	
45	17821000230	1	Grommet	
46	89015113932	1	Decal	
47	10024413930	2	Screw	
61	10013903930	1	Nut	
62	43301613931	1	Adjusting screw	
63	43301403932	1	Tensioner	
64	43302811030	1	Clip	
65	10061413930	1	Plug	
66	43301113930	2	Stud	
67		1	Guide bar	
68		1	Saw chain	
69	43300513930	1	Sprocket guard	
70	43301903932	2	Flange nut 6	
71	89011813931	1	Decal, ECHO	
73	17501513931	1	Washer	
74	17501203930	1	Needle bearing	
75	17500515330	1	Clutch case 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
77	17500013930	1	Clutch ass'y	
78	17530513930	1	Seal plate	
79	17531113930	1	Spacer	
	14580313932	1	Muffler ass'y (SAM)	Includes items 81-88
85	90025004008	4	Screw 4x8	
81	14586115030	1	Lid	
82	14585913930	1	Adapter	
83	14587613931	1	Muffler lid	
84	14586213931	1	Screen (SAM only)	
87	14585813931	1	Muffler	
88	14551013930	1	Gasket, muffler	
86	14564213930	1	Washer	
89	10102313930	2	Bolt	
90	90024204016	3	Screw 4x16 w/W, SW	
91	15662614930	1	Ignition coil	
92	15611413930	1	Grommet	
93	15661313930	1	Cover tube	
94	90024204030	8	Screw 4x30 w/W, SW	
95	10020013934	1	Crankcase set	Includes item 105
95A			UNKNOWN	
95B			UNKNOWN	
105	10021503930	2	Knock pin	
96	10021303930	1	Oil seal	
97	10024213932	1	Gasket, crankcase	
98	13211511130	1	Grommet	
99	43721013930	1	Oil pipe	
100	43620502832	1	Oil strainer	
101	90070200032	1	Circlip 32	
102	90081036201	2	Ball bearing 6201	
103	10010013931	1	Crankshaft ass'y	
104	10013106520	1	Woodruff key	
106	10021211230	1	Oil seal	
107	43300013931	1	Chain catcher	Includes item 108
108	90024205010	1	Screw 5x10	
109	10001015330	1	Piston	
110	10001315330	1	Piston pin	
111	10001504630	2	Circlip. piston pin	
112	10001105731	1	Piston ring	
113	10101013930	1	Gasket, cylinder base	
114	10103413930	1	Cylinder	
115	90024205020	4	Screw 5x20 w/W, SW	
116	15901013930	1	Spark plug CJ8Y	
117	15901100510	1	Coil spring, plug cap	
118	15901201620	1	Cap, spark plug	
119	15211705530	2	Spacer	
120	15660115030	1	C.D. Ignition module	
121	90024205022	2	Screw 5x22 w/W, SW	
126	43600113932	1	Cap ass'y, oil tank	Includes item 31 & 125
31	43611413930	1	Check valve (s)	
125	90072000016	1	O-ring 16	
127	17881003330	1	Grommet	
128	12901013930	1	Grommet	
129	12901513930	1	Grommet	
130	13103813930	1	Seal	
131	15680013930	1	Flywheel	
132	90060000008	1	Washer 8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
133	90060500008	1	Spring washer 8	
134	90050200008	1	Nut 8	
135	17723413930	2	Return spring, ratchet	
136	17721813930	2	Ratchet	
137	17724704630	2	Spacer	
138	17721713930	2	Screw	
139	90060300005	2	Washer	
	17720013932	1	Recoil starter ass'y	Includes items 140-147 & 192
140	90060300004	1	Washer	
141	90024104010	1	Screw 4x10 w/SW	
142	17721519730	1	Recoil drum	
143	17722603930	1	Rope	
144	17722019730	1	Rewind spring	
145	17722811130	1	Starter handle	
146	17722705330	1	Rope guide	
147	10150713931	1	Fan cover	
192	17724213930	1	Side Plate	
148	90024204025	1	Screw 4x25 w/W, SW	
149	89011217831	1	Decal	
150	16340006520	1	Switch	
151	35120513932	1	Front handle	
155	89541003930	1	Wrench w/s driver	
156	35182613932	1	Guard, front	
157	35182713930	1	Spacer	
169	89015713930	1	Decal, switch	
175	89017613031	1	Decal, noise	
176	89012112331	1	Decal, choke	
178	16341313930	1	Ground plate	
179	16202113931	1	Lead wire	
180	90024804016	2	Screw 4x16	
181	90024804022	1	Screw 4x22	
183	12901104630	1	Plate	



Part Number Index

Click The Page Number After Any Part Number To View The Diagram Containing That Part.

Part Number	Page	Part Number	Page	Part Number	Page
.....	5, 9, 10	14587613931	.....10	89015713930	.....11
10001015330	.....10	15211705530	.....10	89017613031	.....11
10001105731	.....10	15611413930	.....10	89541003930	.....11
10001315330	.....10	15660115030	.....10	90022004010	.....7
10001504630	.....10	15661313930	.....10	90024104010	.....11
10010013931	.....10	15662614930	.....10	90024204010	.....9
10013106520	.....10	15680013930	.....10	90024204012	.....7
10013903930	.....9	15901013930	.....10	90024204016	.....10
10020013934	.....10	15901100510	.....10	90024204018	.....9
10021211230	.....10	15901201620	.....10	90024204020	.....7, 9
10021303930	.....10	16202113931	.....11	90024204025	.....11
10021503930	.....10	16340006520	.....11	90024204030	.....10
10022313931	.....9	16341313930	.....11	90024205010	.....10
10024213932	.....10	17500013930	.....10	90024205020	.....10
10024413930	.....9	17500515330	.....9	90024205022	.....10
10061413930	.....9	17501203930	.....9	90024205050	.....9
10101013930	.....10	17501513931	.....9	90024804016	.....11
10102313930	.....10	17530513930	.....10	90024804022	.....11
10103413930	.....10	17531113930	.....10	90025004008	.....10
10150713931	.....11	17720013932	.....11	90033460020	.....7
12520013932	.....5	17721403930	.....7	90034030008	.....7
12520013934	.....9	17721519730	.....11	90034050018	.....9
12530015130	.....5	17721713930	.....11	90034050025	.....9
12530115130	.....5	17721813930	.....11	90050000004	.....7
12531013930	.....5	17722019730	.....11	90050200008	.....11
12531313930	.....5	17722603930	.....11	90060000008	.....10
12531613930	.....5	17722705330	.....11	90060300004	.....11
12531713930	.....5	17722811130	.....11	90060300005	.....11
12531813930	.....5	17723413930	.....11	90060500008	.....11
12531913930	.....5	17724213930	.....11	90070000004	.....9
12532013930	.....5	17724704630	.....11	90070200032	.....10
12532413931	.....5	17801013930	.....9	90072000016	.....10
12532713930	.....5	17801113930	.....9	90081036201	.....10
12533413930	.....5	17809013930	.....9		
12533913930	.....5	17809113931	.....9		
12534213930	.....5	17821000230	.....9		
12534413930	.....5	17851013930	.....9		
12534513930	.....5	17851513930	.....9		
12534813930	.....5	17851603930	.....9		
12535013931	.....5	17881003330	.....10		
12537513930	.....5	35101013934	.....9		
12537613930	.....5	35101213930	.....9		
12537813930	.....5	35120513932	.....11		
12901013930	.....10	35182613932	.....11		
12901104630	.....11	35182713930	.....11		
12901513930	.....10	43300013931	.....10		
13000013932	.....9	43300513930	.....9		
13001013930	.....9	43301113930	.....9		
13001606431	.....9	43301403932	.....9		
13030215032	.....9	43301613931	.....9		
13031013930	.....9	43301903932	.....9		
13031315032	.....9	43302811030	.....9		
13040513931	.....9	43310913931	.....7		
13040613932	.....9	43311113930	.....7		
13100413932	.....9	43311213930	.....7		
13101013930	.....9	43311413930	.....7		
13101613931	.....9	43312213930	.....7		
13101713932	.....9	43312313932	.....7		
13103813930	.....10	43313013930	.....7		
13120500830	.....9	43315213930	.....7		
13131400330	.....9	43330513931	.....7		
13192013930	.....9	43331313930	.....7		
13192413930	.....9	43600113932	.....10		
13201013932	.....9	43611413930	.....10		
13211501460	.....9	43620502832	.....10		
13211511130	.....10	43700011230	.....9		
14551013930	.....10	43701902830	.....9		
14564213930	.....10	43702002830	.....9		
14580313932	.....10	43721013930	.....10		
14585813931	.....10	89011217831	.....11		
14585913930	.....10	89011813931	.....9		
14586115030	.....10	89012112331	.....11		
14586213931	.....10	89015113932	.....9		



Part Description Index

Click The Page Number After Any Part Description To View The Diagram Containing That Part.

<p>A</p> <p>Adapter.....10 Adjusting screw.....9 Air filter.....9 Arm.....7 Arm pin.....5 Auto oiler ass'y.....9</p> <p>B</p> <p>Ball bearing 6201.....10 Band case.....7 Bolt.....10 Bracket, air filter.....9 Brake band.....7 Brake handle.....7 Brake spring.....7</p> <p>C</p> <p>C.D. Ignition module.....10 Cap ass'y, fuel tank.....9 Cap ass'y, oil tank.....10 Cap, fuel tank.....9 Cap, spark plug.....10 Carburetor ass'y.....9 Carburetor ass'y C1S-K1B.....5 Chain catcher.....10 Check valve.....9 Check valve (s).....10 Choke rod.....9 Choke shutter.....9 Circlip 32.....10 Circlip, piston pin.....10 Clip.....5, 9 Clutch ass'y.....10 Clutch case 3/8.....9 Coil spring.....5, 9 Coil spring, plug cap.....10 Cover ass'y, air cleaner.....9 Cover tube.....10 Cover, air cleaner.....9 Cover, diaphragm.....5 Crankcase set.....10 Crankshaft ass'y.....10 Cushion.....9 Cylinder.....10</p> <p>D</p> <p>Decal.....9, 11 Decal, choke.....11 Decal, ECHO.....9 Decal, noise.....11 Decal, switch.....11 Diaphragm.....5 Diaphragm surge.....5 Diaphragm, fuel pump.....5 Disc.....5 Dust Seal.....7</p> <p>E</p> <p>E-ring 4.....9</p>	<p>Fan cover.....11 Flange nut 6.....9 Flywheel.....10 Friction piece.....5 Front handle.....11 Fuel pipe.....9 Fuel strainer.....9 Fuel tank.....9</p> <p>G</p> <p>Gasket.....9 Gasket, crankcase.....10 Gasket, cylinder base.....10 Gasket, diaphragm.....5 Gasket, Diaphragm Kit.....5 Gasket, fuel pump.....5 Gasket, fuel tank.....9 Gasket, muffler.....10 Grip.....7 Grip, handle.....9 Grommet.....9, 10 Ground plate.....11 Guard, front.....11 Guide bar.....9</p> <p>I</p> <p>Ignition coil.....10 Insulator.....9</p> <p>K</p> <p>Knock pin.....10</p> <p>L</p> <p>Lead wire.....11 Lid.....10</p> <p>M</p> <p>Muffler.....10 Muffler ass'y (SAM).....10 Muffler lid.....10</p> <p>N</p> <p>Needle bearing.....9 Needle valve.....5 Needle, high speed.....5 Needle, idle.....5 Nut.....9 Nut 4.....7 Nut 8.....11</p> <p>O</p> <p>Oil pipe.....10 Oil seal.....10 Oil strainer.....10 Orifice, main fuel.....5 O-ring.....9 O-ring 16.....10</p> <p>P</p> <p>Piston.....10</p>	<p>Piston pin.....10 Piston ring.....10 Plate.....11 Plug.....9 Pump cover.....5</p> <p>R</p> <p>Ratchet.....11 Recoil drum.....11 Recoil starter ass'y.....11 Repair Kit.....5 Return spring, ratchet.....11 Return spring, throttle.....5 Rewind spring.....11 Rope.....11 Rope guide.....11</p> <p>S</p> <p>Saw chain.....9 Screen.....5 Screen (SAM only).....10 Screw.....5, 9, 11 Screw 4 x 10.....7 Screw 4x10 w/SW.....11 Screw 4x10 w/W, SW.....9 Screw 4x12.....7 Screw 4x16.....11 Screw 4x16 w/W, SW.....10 Screw 4x18 w/W, SW.....9 Screw 4x20.....7, 9 Screw 4x22.....11 Screw 4x25 w/W, SW.....11 Screw 4x30 w/W, SW.....10 Screw 4x8.....10 Screw 5x10.....10 Screw 5x20 w/W, SW.....10 Screw 5x22 w/W, SW.....10 Screw 5x50 w/W, SW.....9 Screw, idle adjustment.....5 Seal.....10 Seal plate.....7, 10 Shaft.....7 Side Plate.....11 Spacer.....9, 10, 11 Spark plug CJ8Y.....10 Spring.....7, 9 Spring pin 3 x 8.....7 Spring pin 5x18.....9 Spring pin 5x25.....9 Spring washer 8.....11 Sprocket guard.....9 Starter handle.....11 Stud.....7, 9 Switch.....11</p> <p>T</p> <p>Tensioner.....9 Throttle control lockout.....9 Throttle lever.....5 Throttle rod.....9 Throttle shaft.....5 Throttle shutter.....5 Throttle trigger.....9 Thumb bolt.....9 Top handle.....9</p>
--	---	---



Part Description Index (continued)

U

UNKNOWN.....10

V

Valve arm.....5

W

Washer.....7, 9, 10, 11

Washer 8.....10

Welsh plug.....5

Woodruff key.....10

Wrench w/s driver.....11

NOTES



ECHO, INCORPORATED

400 Oakwood Road
Lake Zurich, IL 60047 USA

WWW.ECHO-USA.COM
