

shindaiwa[®]

PARTS CATALOG

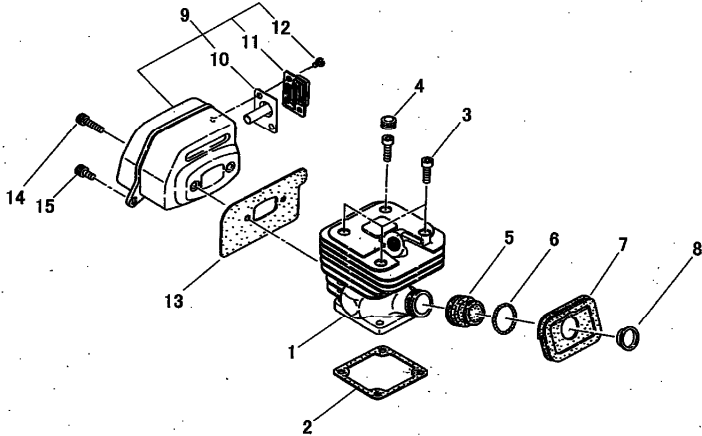
CHAIN SAW

490 EC1



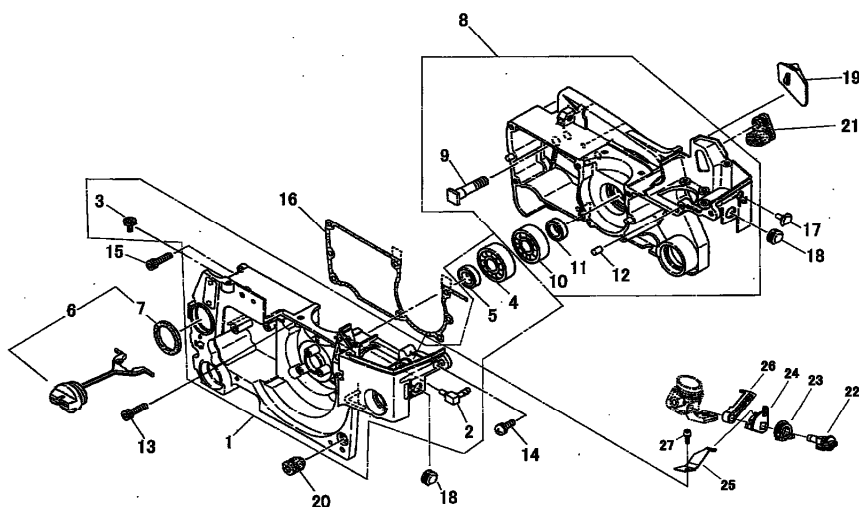
490 EC1

1. CYLINDER, MUFFLER



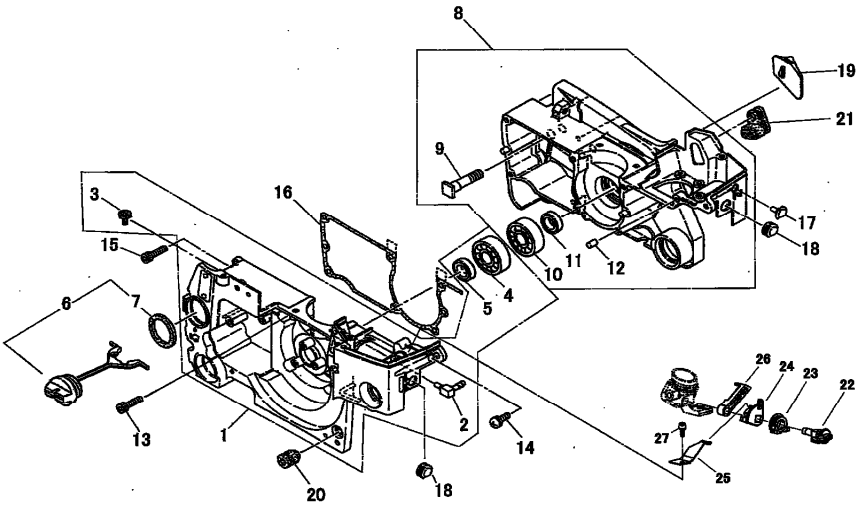
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		22157-12110	1	CYLINDER			
2		22160-12121	1	GASKET CYLINDER			
3		22157-12130	4	BOLT			
4		22160-22220	1	PLUG SWITCH			
5		22160-12150	1	BOOT			
6		22160-12160	1	SPRING			
7		22160-12170	1	SEAL			
8		22115-14140	1	SLEEVE			
9		72312-15100	1	MUFFLER SUB ASSY			
10		72312-15220	1	SILENCER			
11		22160-15210	1	TAIL PLATE			
12		11203-04060	2	SCREW PM		M4x6	
13		22160-15311	1	GASKET MUFFLER			
14		22157-12130	2	BOLT		M5x18	
15		22157-15330	2	BOLT		M5x12	

2. CRANKCASE



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39309-21010	1	CRANK CASE M COMP			
2	•	22150-21220	1	PULSE JOINT			
3	•	22115-57120	1	VALVE OIL TANK			
4	•	12900-62010	1	BEARING		6201,C3	
5	•	22150-21250	1	SEAL,OIL			
6		39309-21030	1	CAP ASSY			
7	•	39309-21250	1	GASKET			
8		39309-21021	1	CRANK CASE C COMP			
9	•	22160-21520	2	BOLT,STUD			
10	•	12900-62010	1	BEARING		6201,C3	
11	•	22150-21250	1	SEAL,OIL			
12	•	12492-50100	3	ROLLER		φ5xL10	
13		22157-21750	4	BOLT		M5x30	
14		22157-21760	1	SCREW PM			
15		22157-12130	2	BOLT		M5x18	
16		22160-21720	1	GASKET CASE			
17		15270-02004	1	CLAMP		2D83	
18		22160-22220	2	PLUG SWITCH			
19		22160-22250	1	STOPPER H			
20		22160-33730	1	SUPPORTER			
21		69026-21310	1	GROMMET			
22		69020-21311	1	SWITCH LEVER			
23		69020-21321	1	BUSH			
24		69020-21332	1	SWITCH			
25		69020-21341	1	SPRING PLATE			
26		69020-21351	1	CHOKE LEVER			

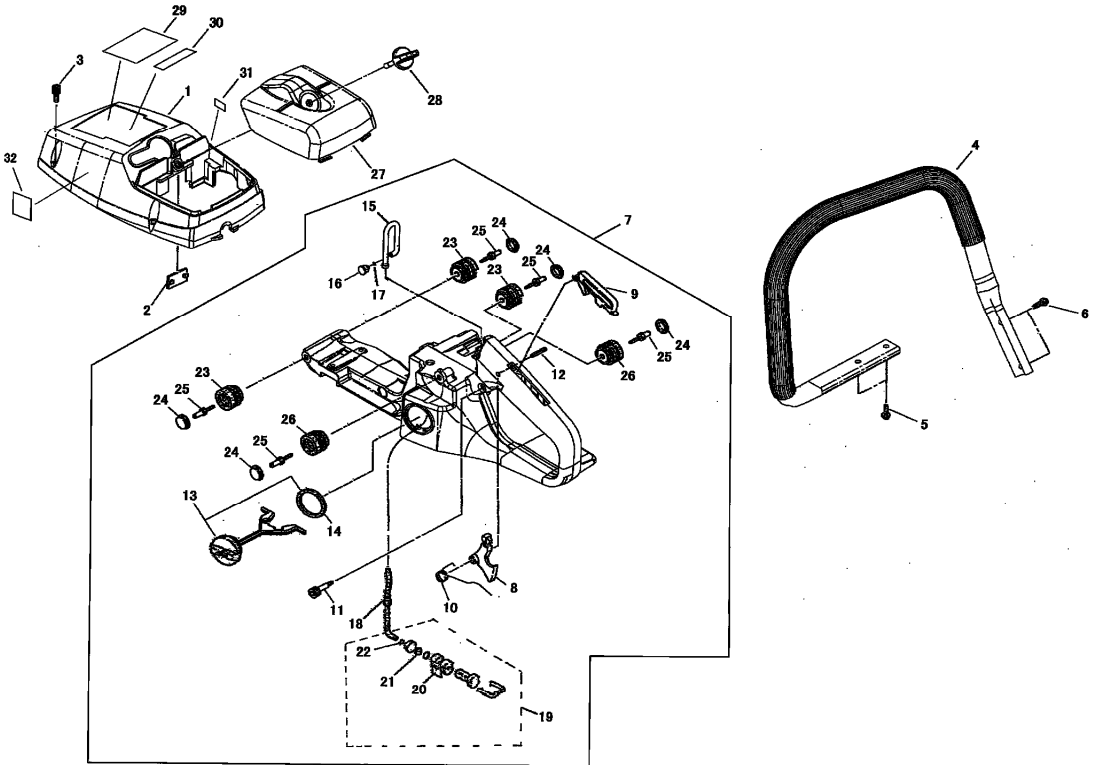
2. CRANKCASE



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27		11022-04100	1	BOLT SPW		M4x10	

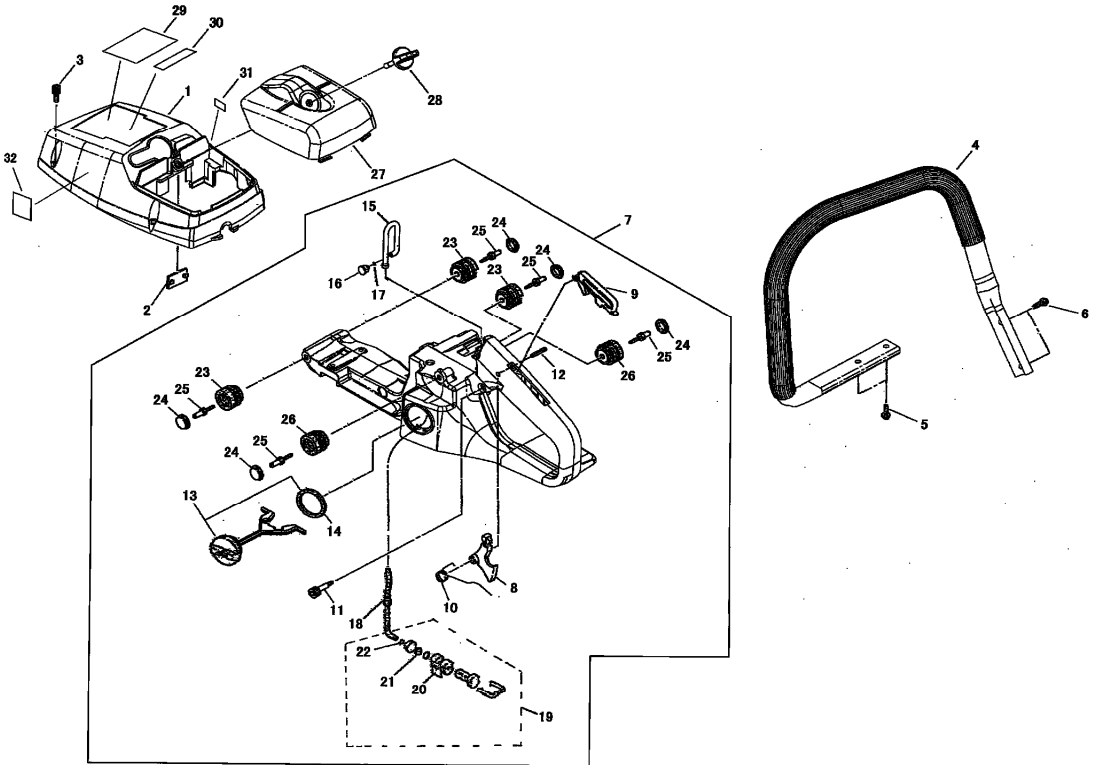


3. COVER, HANDLE



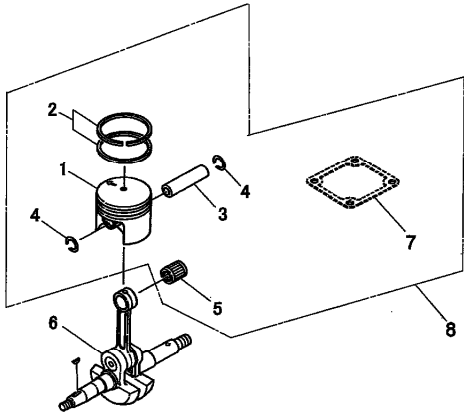
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69020-31111	1	CYLINDER COVER			
2		22160-31120	1	PLUG			
3		22160-31150	3	BOLT SW			
4		69020-32111	1	FRONT HANDLE			
5		22160-32210	2	SCREW PC			
6		22160-32220	2	SCREW	M5*20		
7		69020-32020	1	REAR HANDLE ASSY			
8	•	39309-32240	1	THROTTLE LEVER			
9	•	22160-33360	1	LOCK LEVER			
10	•	22160-33370	1	SPRING LEVER			
11	•	22160-33380	1	BOLT LEVER			
12	•	12420-40255	1	SPRING PIN		4x25	
13	•	39309-32040	1	CAP ASSY			
14	• •	39309-32270	1	GASKET			
15	•	39309-32330	1	PIPE			
16	•	22197-33960	1	VALVE			
17	•	20020-85540	1	CLIP			
18	•	39309-32340	1	FUEL PIPE			
19	•	22115-85401	1	FUEL FILTER			
20	• •	22128-85421	2	ELEMENT, STRAINER			
21	• •	22118-85460	2	ELEMENT			
22	• •	20020-85540	1	CLIP			
23		22160-33710	3	CUSHION 27			
24		22160-33720	5	PLUG 27			
25		22160-33770	5	BOLT			
26		22160-97810	2	CUSHION 27			

3. COVER, HANDLE



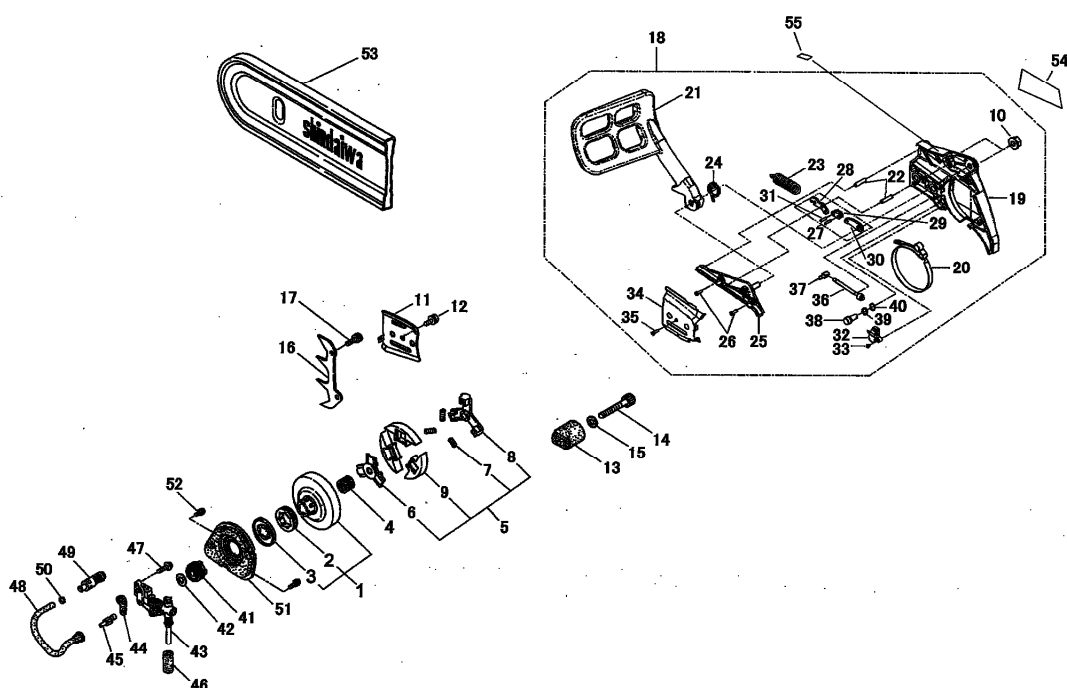
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27		69020-82131	1	CLEANER COVER			
28		69020-82360	1	KNOB			
29		19402-00307	1	LABEL CAUTION		113dB	
30		1942600286	1	LABEL FEATURE			
31		19401-00094	1	LABEL INST			
32		19426-00016	1	LABEL MARK		T:0.05	

4. PISTON, CRANKSHAFT



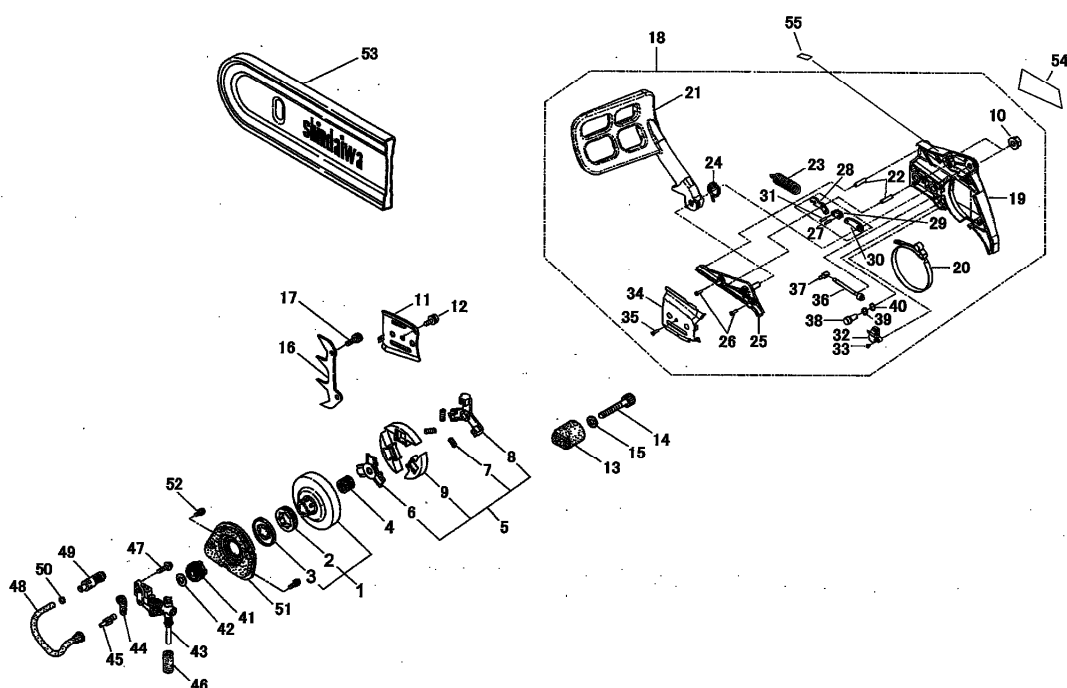
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1	•	22157-41112	1	PISTON			
2	•	22157-41210	2	PISTON RING			
3	•	22157-41220	1	PISTON PIN			
4	•	22100-41230	2	SNAP RING			
5	•	22160-41240	1	BEARING			
6		22160-42002	1	CRANK SHAFT			
7	•	22160-12121	1	GASKET CYLINDER			
8		72365-98011	1	PISTON SET			

5. CLUTCH, CLUTCH COVER



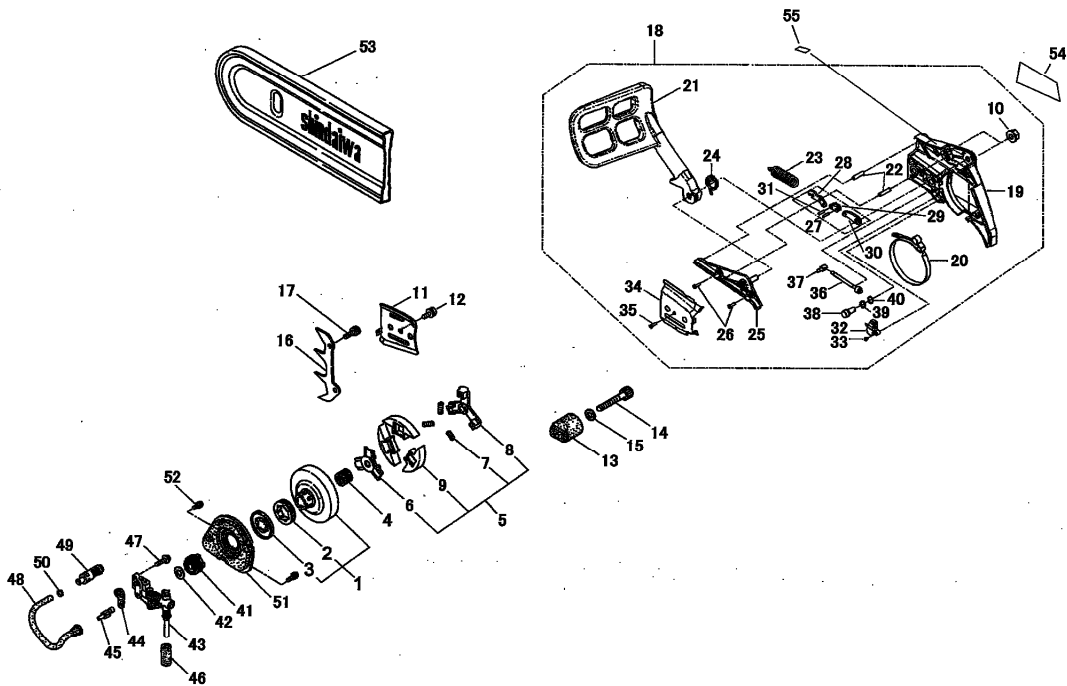
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		22160-51501	1	CLUTCH DRUM ASSY			
2	•	22131-98120	1	RIM			
3	•	22160-51530	1	COVER			
4		22100-51310	1	NEEDLE BEARING			
5		22160-51200	1	CLUTCH ASSY			
6	•	22160-51210	1	CLUTCH BOSS A			
7	•	22160-51230	3	CLUTCH SPRING			
8	•	22160-51240	1	CLUTCH BOSS B			
9	•	22160-51220	3	CLUTCH SHOE			
10		22182-52411	2	NUT			
11		22160-97630	1	GUIDE PLATE C			
12		22173-56150	1	SCREW			
13		22160-52511	1	CATCHER,CHAIN			
14		22155-12190	1	BOLT			
15		01611-05100	1	WASHER		5mm	
16		22160-52530	1	SPIKE			
17		22157-15330	2	BOLT			
18		69020-53010	1	CLUTCH COVER ASSY			
19	•	69020-53111	1	CLUTCH COVER			
20	•	69020-53211	1	BRAKE BAND			
21	•	69020-53221	1	LEVER			
22	•	12492-50210	2	ROLLER		φ5×L21.8	
23	•	17510-16000	1	COIL SPRING			
24	•	17520-20000	1	COIL SPRING			
25	•	69020-53351	1	COVER			
26	•	01280-05142	2	SCREW TAPPING		5x14	

5. CLUTCH, CLUTCH COVER



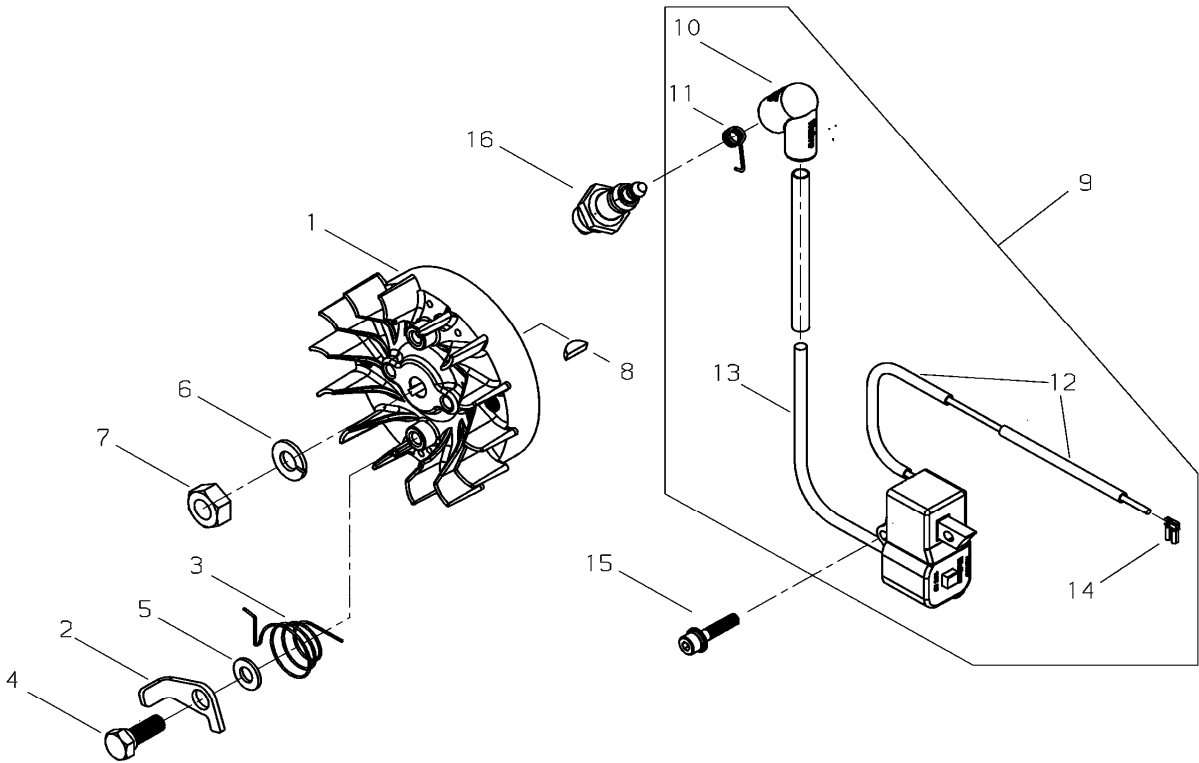
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27	•	69020-53360	1	LINK COMP			
28	• •	69020-53311	1	INNER LEVER			
29	• •	69020-53321	1	TIE STRAP			
30	• •	69020-53331	1	LINK			
31	• •	12492-30110	2	ROLLER		φ3xL11.8	
32	•	69020-52321	1	COVER			
33	•	01270-03122	1	SCREW TAPPING		3x12	
34	•	69020-53121	1	GUIDE PLATE			
35	•	22188-54120	1	SCREW TAPPING			
36	•	69020-52111	1	SLIDE SCREW			
37	•	69020-52121	1	SLIDE PIECE			
38	•	69020-52311	1	GEAR			
39	•	02304-00702	1	O RING			
40	•	11620-10002	1	WASHER		φ10.5xφ7.5 t0.5	
41		22154-55110	1	GEAR			
42		22154-55120	1	THRUST PLATE			
43		22160-55200	1	OIL PUMP ASSY			
44		22150-55411	1	GASKET PUMP			
45		22160-55420	1	ELBOW			
46		22155-55430	1	FILTER			
47		11205-04160	2	SCREW PM		M4x16	
48		22160-55310	1	OIL PIPE			
49		22169-57360	1	OIL FILTER			
50		22100-57370	1	CRIP OIL FILTER			
51		72317-56100	1	PUMP COVER SUB ASSY			

5. CLUTCH, CLUTCH COVER



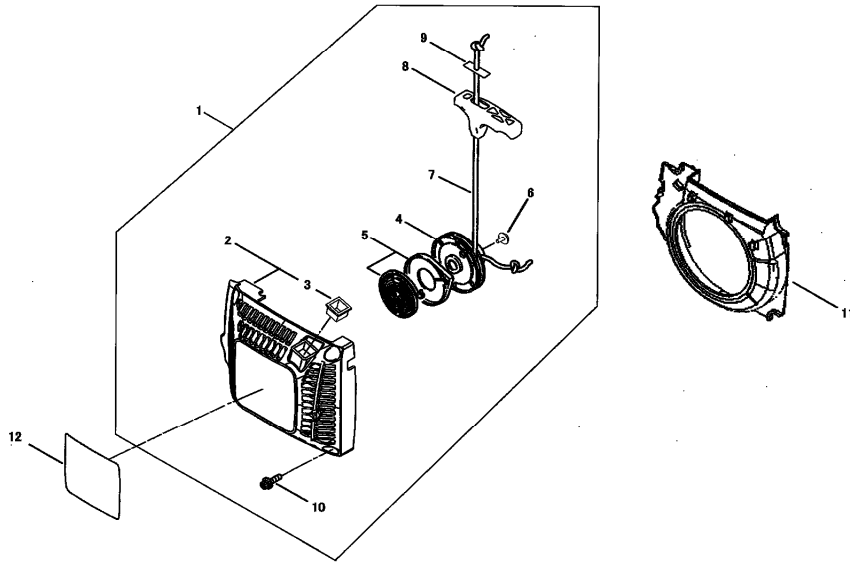
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
52		22160-56150	4	SCREW PM SW			
53		19600-69900	1	CHAIN COVER			
54		69020-91330	1	LABEL TRADE			
55		19401-00093	1	LABEL INST			

6. MAGNETO



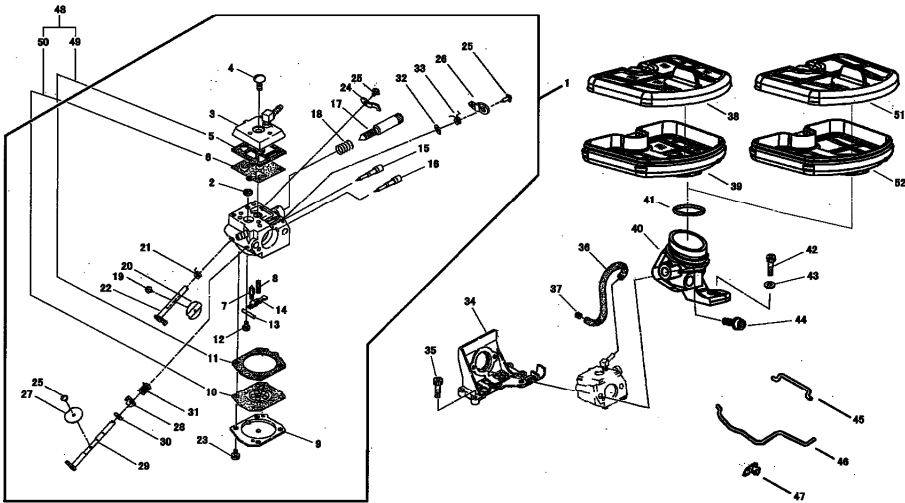
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69020-71111	1	ROTOR			
2		22182-71412	2	PAWL			
3		22182-71421	2	SPRING RATCHET			
4		22182-71440	2	BOLT			
5		22182-71430	2	WASHER			
6		01600-08201	1	SPRING WASHER		8mm	
7		22100-43231	1	NUT			
8		02403-03100	1	KEY	3*10		3x10
9		69020-71021	1	COIL ASSY			
10		62905-71250	1	PLUG CAP			
11		69020-71320	1	COIL SPRING			
12		69020-71331	2	TUBE			
13		69020-71340	1	TUBE			
14		69020-98340	1	CONNECTOR			
15		11024-04200	2	BOLT SW		M4x20	
16		13000-13507	1	SPARK PLUG BPMR7A			BPMR7A

7. RECOIL STARTER



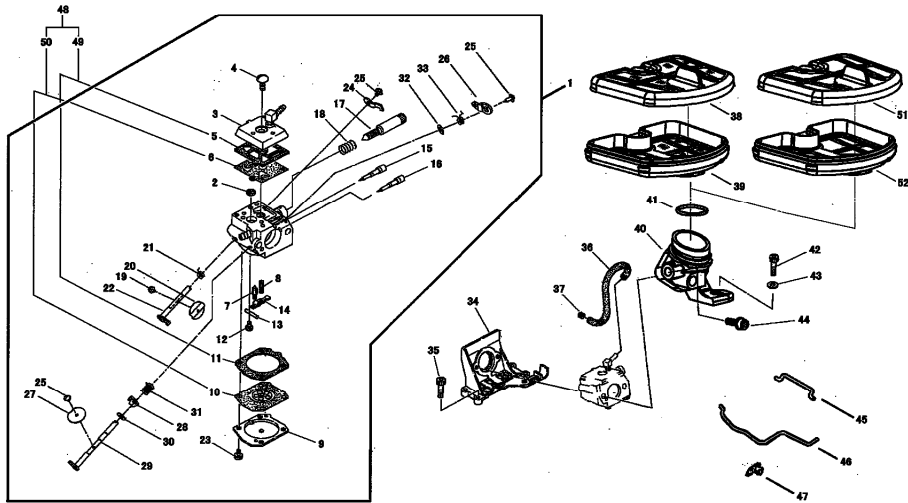
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69020-75012	1	RECOIL STARTER ASSY			
2	•	69020-75112	1	STARTER CASE			
3	• •	22182-75120	1	GUIDE			
4	•	22182-75212	1	REEL			
5	•	22155-75410	1	RECOIL SPRING ASSY			
6	•	72320-75420	1	SCREW TAPPING			
7	•	22182-75410	1	ROPE			
8	•	22182-75420	1	KNOB RECOIL			
9	•	22104-75430	1	STOPPER KNOB			
10	•	11060-04163	4	BOLT		M4x16	
11		22160-75613	1	AIR PLATE			
12		69020-91321	1	LABEL TRADE			

8. CARBURETOR



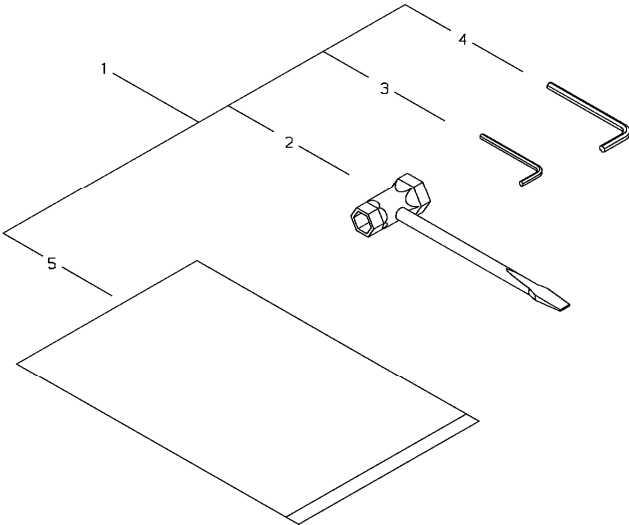
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69020-81010	1	CARBURETOR ASSY			
2	•	70030-81380	1	SCREEN			
3	•	72365-81120	1	PUMP COVER ASSY			
4	•	22100-81130	1	SCREW			
5	•	22150-81140	1	GASKET PUMP			
6	•	22150-81150	1	DIAPHRAGM PUMP			
7	•	20036-81440	1	VALVE			
8	•	72342-81270	1	SPRING, METER. LEVER			
9	•	22150-81280	1	COVER DAIPHRAGM			
10	•	22150-81260	1	DIAPHRAGM ASSY			
11	•	22150-81290	1	GASKET DIAPHRAGM			
12	•	22100-81240	1	SCREW			
13	•	22100-81250	1	PIN			
14	•	22160-81230	1	LEVER			
15	•	69026-81320	1	NEEDLE			
16	•	69020-81320	1	NEEDLE			
17	•	22156-81410	1	IDLE SCREW			
18	•	22156-81420	1	SPRING, IDLE ADJUST			
19	•	20803-81140	1	SCREW			
20	•	22100-81340	1	THROTTLE VALVE			
21	•	22150-81430	1	RETURN SPRING			
22	•	39309-81320	1	THROTTLE SHAFT			
23	•	22100-81351	4	SCREW			
24	•	22160-81390	1	STOPPER			
25	•	20803-81150	3	SCREW			
26	•	69020-81330	1	CHOKE LEVER			

8. CARBURETOR



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27	•	22160-81710	1	CHOKE VALVE			
28	•	39309-81350	1	LEVER			
29	•	39309-81340	1	CHOKE SHAFT			
30	•	20036-81185	1	WASHER			
31	•	69020-81340	1	COIL SPRING			
32	•	70030-81390	1	E-RING			
33	•	69020-81350	1	COIL SPRING			
34		22160-82111	1	MOUNT			
35		11024-04160	4	BOLT SLPW		M4x16	
36		22160-82210	1	PULSE PIPE			
37		22150-82140	1	CLIP,PULSE			
38		69020-82321	1	AIR CLEANER UPPER			
39		69020-82331	1	AIR CLEANER LOWER			
40		69020-82341	1	ELBOW			
41		69020-82370	1	O RING			
42		22157-12130	1	BOLT			
43		01613-05080	1	WASHER		5mm	
44		11022-05500	2	BOLT SPW		M5x50	
45		69020-83311	1	CHOKE ROD			
46		39309-83331	1	THROTTLE ROD			
47		22160-82360	1	GROMMET ROD			
48		2215081900	1	KIT SET			
49	•	22150-81930	1	GASKET KIT			
50	•	22150-81940	1	DIAPHRAGM KIT			
51		69020-98321	1	AIR CLEANER UPPER			
52		69020-98331	1	AIR CLEANER LOWER			

9. TOOL



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69023-92310	1	TOOL SET			
2	•	22000-91181	1	PLUG WRENCH			
3	•	09026-03001	1	HEXA WRENCH 4MM		3mm M4	
4	•	09026-04001	1	HEXA WRENCH	4MM M5㉿	4mm M5	
5	•	19639-01100	1	POLY BAG		0.04*175*115	

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01270-03122	5 - 33	22100-81351	8 - 23	22160-21720	2 - 16
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01600-08201	6 - 6	22115-14140	1 - 8	22160-22220	2 - 18
01611-05100	5 - 15	22115-57120	2 - 3	22160-22250	2 - 19
01613-05080	8 - 43	22115-85401	3 - 19	22160-31120	3 - 2
02304-00702	5 - 39	22118-85460	3 - 21	22160-31150	3 - 3
02403-03100	6 - 8	22128-85421	3 - 20	22160-32210	3 - 5
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09026-04001	9 - 4	22150-21220	2 - 2	22160-33360	3 - 9
11022-04100	2 - 27	22150-21250	2 - 5	22160-33370	3 - 10
11022-05500	8 - 44	22150-21250	2 - 11	22160-33380	3 - 11
11024-04160	8 - 35	22150-55411	5 - 44	22160-33710	3 - 23
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11205-04160	5 - 47	22150-81280	8 - 9	22160-41240	4 - 5
11620-10002	5 - 40	22150-81290	8 - 11	22160-42002	4 - 6
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12492-30110	5 - 31	2215081900	8 - 48	22160-51210	5 - 6
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17520-20000	5 - 24	22155-75410	7 - 5	22160-55200	5 - 43
19401-00093	5 - 55	22156-81410	8 - 17	22160-55310	5 - 48
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19402-00307	3 - 29	22157-12110	1 - 1	22160-56150	5 - 52
19426-00016	3 - 32	22157-12130	1 - 3	22160-75613	7 - 11
1942600286	3 - 30	22157-12130	1 - 14	22160-81230	8 - 14
19600-69900	5 - 53	22157-12130	2 - 15	22160-81390	8 - 24
19639-01100	9 - 5	22157-12130	8 - 42	22160-81710	8 - 27
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20020-85540	3 - 22	22157-15330	5 - 17	22160-82210	8 - 36
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22100-41230	4 - 4	22160-12121	1 - 2	22182-52411	5 - 10
22100-43231	6 - 7	22160-12121	4 - 7	22182-71412	6 - 2
22100-51310	5 - 4	22160-12150	1 - 5	22182-71421	6 - 3
22100-57370	5 - 50	22160-12160	1 - 6	22182-71430	6 - 5
22100-81130	8 - 4	22160-12170	1 - 7	22182-71440	6 - 4
22100-81240	8 - 12	22160-15210	1 - 11	22182-75120	7 - 3
22100-81250	8 - 13	22160-15311	1 - 13	22182-75212	7 - 4
22100-81340	8 - 20	22160-21520	2 - 9	22182-75410	7 - 7

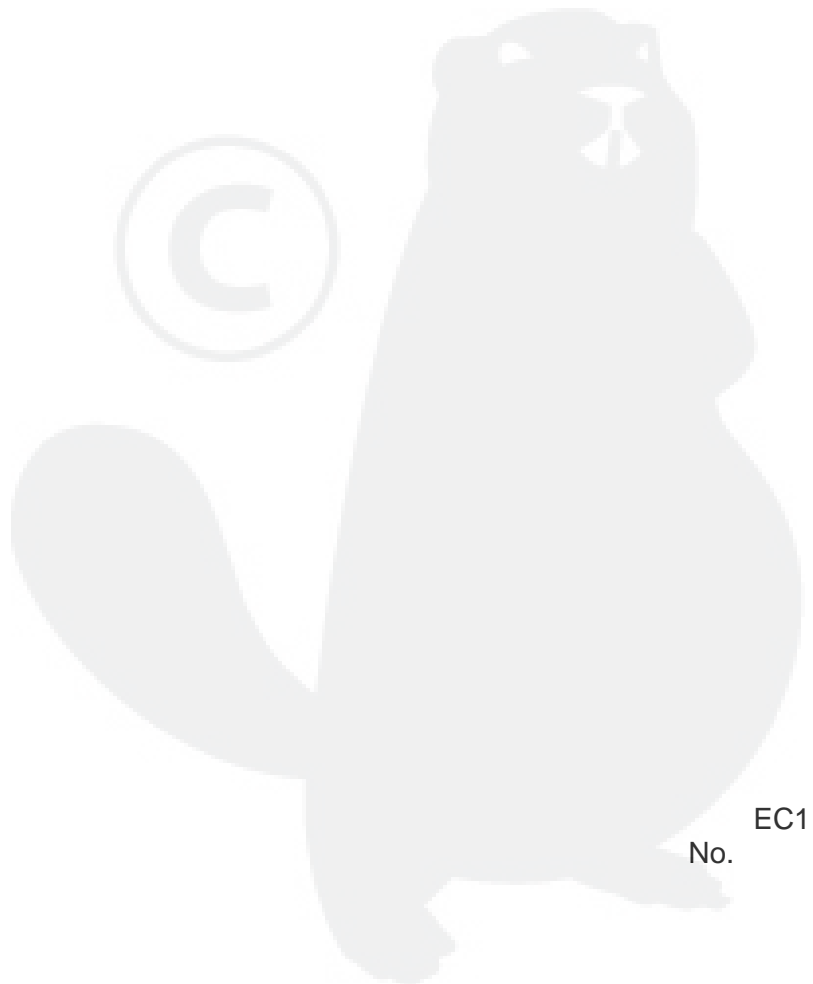
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Patrs Number	Key No.	Patrs Number	Key No.	Patrs Number	Key No.
22182-75420	7 - 8	69020-81340	8 - 31		
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39309-21010	2 - 1	69020-82321	8 - 38		
39309-21021	2 - 8	69020-82331	8 - 39		
39309-21030	2 - 6	69020-82341	8 - 40		
39309-21250	2 - 7	69020-82360	3 - 28		
39309-32040	3 - 13	69020-82370	8 - 41		
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39309-32270	3 - 14	69020-91321	7 - 12		
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69020-21321	2 - 23	70030-81390	8 - 32		
69020-21332	2 - 24	72312-15100	1 - 9		
69020-21341	2 - 25	72312-15220	1 - 10		
69020-21351	2 - 26	72317-56100	5 - 51		
69020-31111	3 - 1	72320-75420	7 - 6		
69020-32020	3 - 7	72342-81270	8 - 8		
69020-32111	3 - 4	72365-81120	8 - 3		
69020-52111	5 - 36	72365-98011	4 - 8		
69020-52121	5 - 37				
69020-52311	5 - 38				
69020-52321	5 - 32				
69020-53010	5 - 18				
69020-53111	5 - 19				
69020-53121	5 - 34				
69020-53211	5 - 20				
69020-53221	5 - 21				
69020-53311	5 - 28				
69020-53321	5 - 29				
69020-53331	5 - 30				
69020-53351	5 - 25				
69020-53360	5 - 27				
69020-71021	6 - 9				
69020-71111	6 - 1				
69020-71320	6 - 11				
69020-71331	6 - 12				
69020-71340	6 - 13				
69020-75012	7 - 1				
69020-75112	7 - 2				
69020-81010	8 - 1				
69020-81320	8 - 16				
69020-81330	8 - 26				

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