

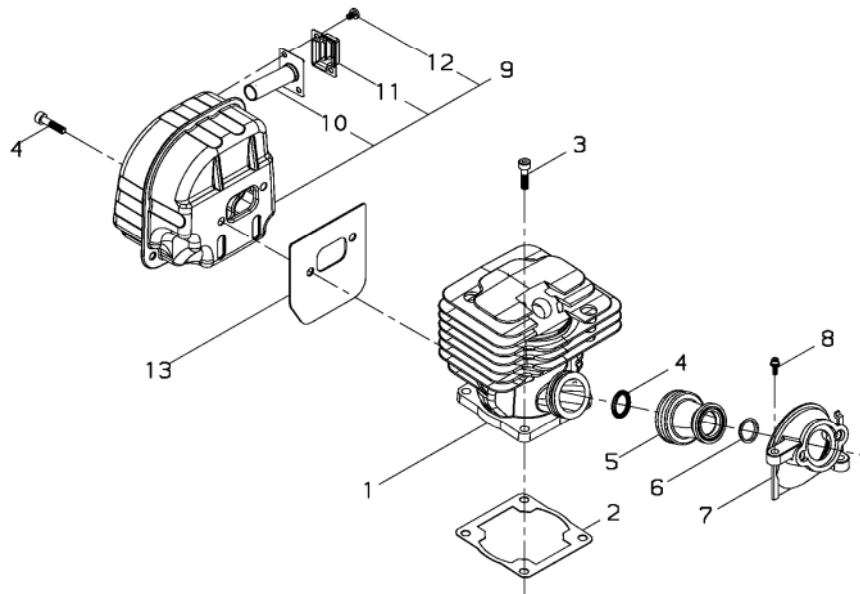
shindaiwa[®]

PARTS CATALOGUE

**CHAIN SAW
446S EMC**

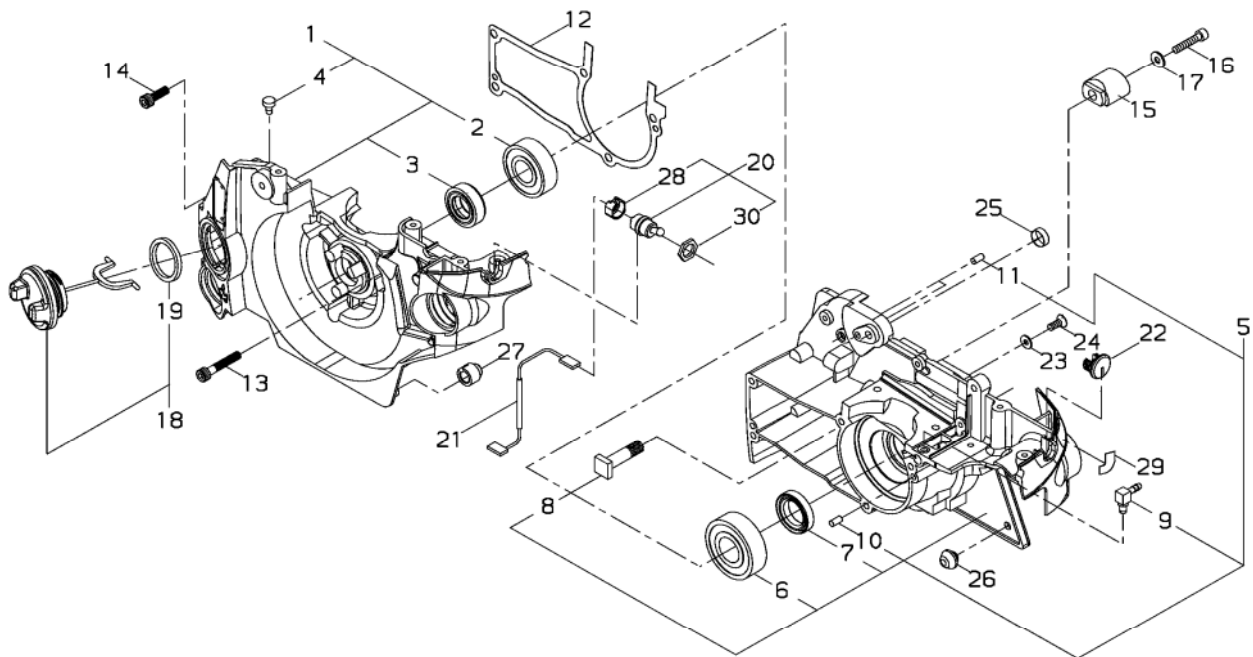
446S EMC

1. CYLINDER, MUFFLER



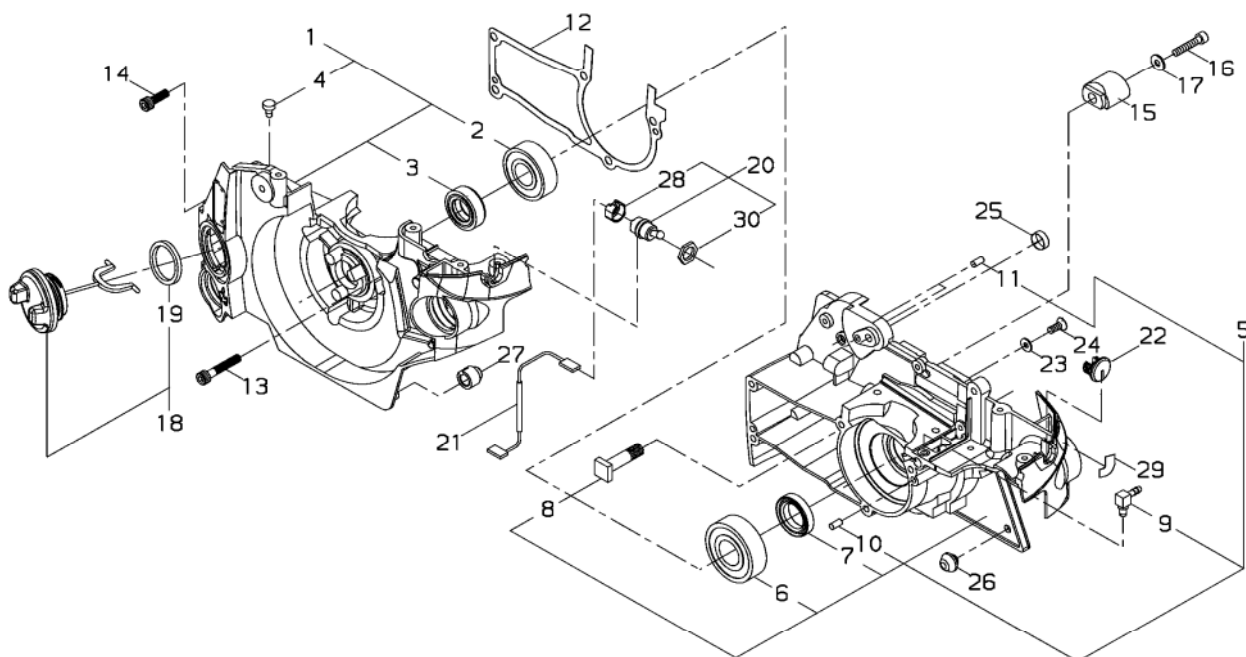
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39311-12110	1	CYLINDER			
2		39311-12120	1	GASKET			
3		01020-05180	4	BOLT		M5x18	
4		22182-12160	1	SPRING			
5		39311-12210	1	BOOT			
6		22156-14140	1	COLLAR			
7		39311-12220	1	BRACKET			
8		11060-04163	2	BOLT		M4x16	
9		39312-15310	1	MUFFLER ASSY			
10	•	22197-15130	1	TAIL PIPE			
11	•	72365-15210	1	TAIL PLATE			
12	•	11203-04060	2	SCREW PM		M4x6	
13		39311-15210	1	GASKET, EXHAUST			
14		01020-05180	4	BOLT		M5x18	
15	•	72312-15220	1	SILENCER			

2. CRANKCASE



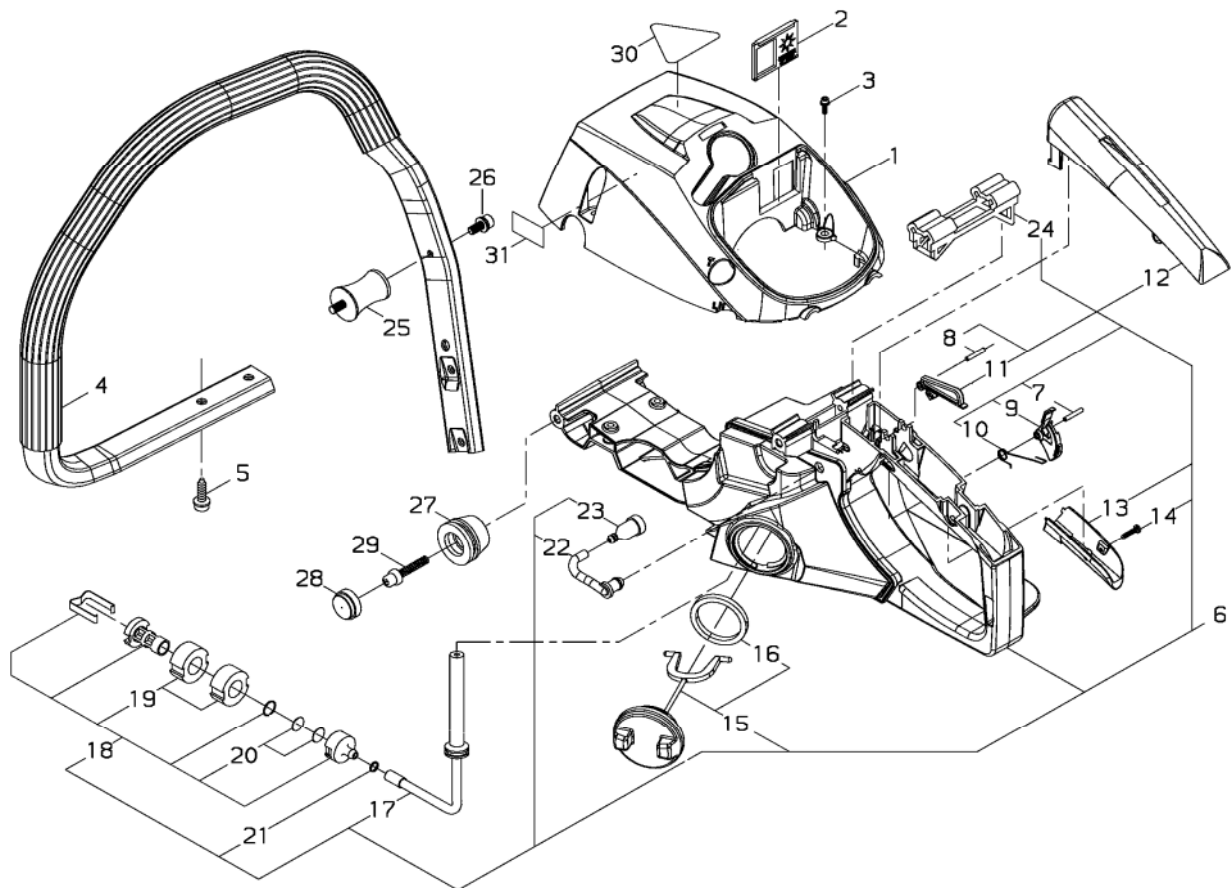
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39312-21010	1	CRANK CASE M COMP			
2	•	12900-62010	1	BEARING			
3	•	22150-21250	1	SEAL,OIL			
4	•	22115-57120	1	VALVE OIL TANK			
5		39312-21020	1	CRANKCASE C COMP			
6	•	12900-62020	1	BEARING			
7	•	22182-21551	1	OIL SEAL			
8	•	22160-21520	2	BOLT,STUD			
9	•	39010-11020	1	PULSE JOINT			
10	•	12492-40080	2	ROLLER			
11	•	12492-40110	2	ROLLAR			
12		39311-21320	1	GASKET,CRANKCASE			
13		22169-21910	3	BOLT		M5x35	
14		01020-05180	2	BOLT		M5x18	
15		22160-52511	1	CATCHER,CHAIN			
16		22155-12190	1	BOLT		M5x25	
17		01610-05080	1	WASHER		5mm	
18		39311-21030	1	CAP ASSY			
19	•	38010-32271	1	GASKET			
20	•	39311-21370	1	SWITCH			
21		14352-01300	1	LEAD			
22		39054-21320	1	PLUG			
23		01613-04080	1	WASHER		4mm	
24		01201-04080	1	SCREW		M4x8	
25		39311-21360	1	COLLAR,8			
26		22182-21621	1	SUPPORTER			

2. CRANKCASE



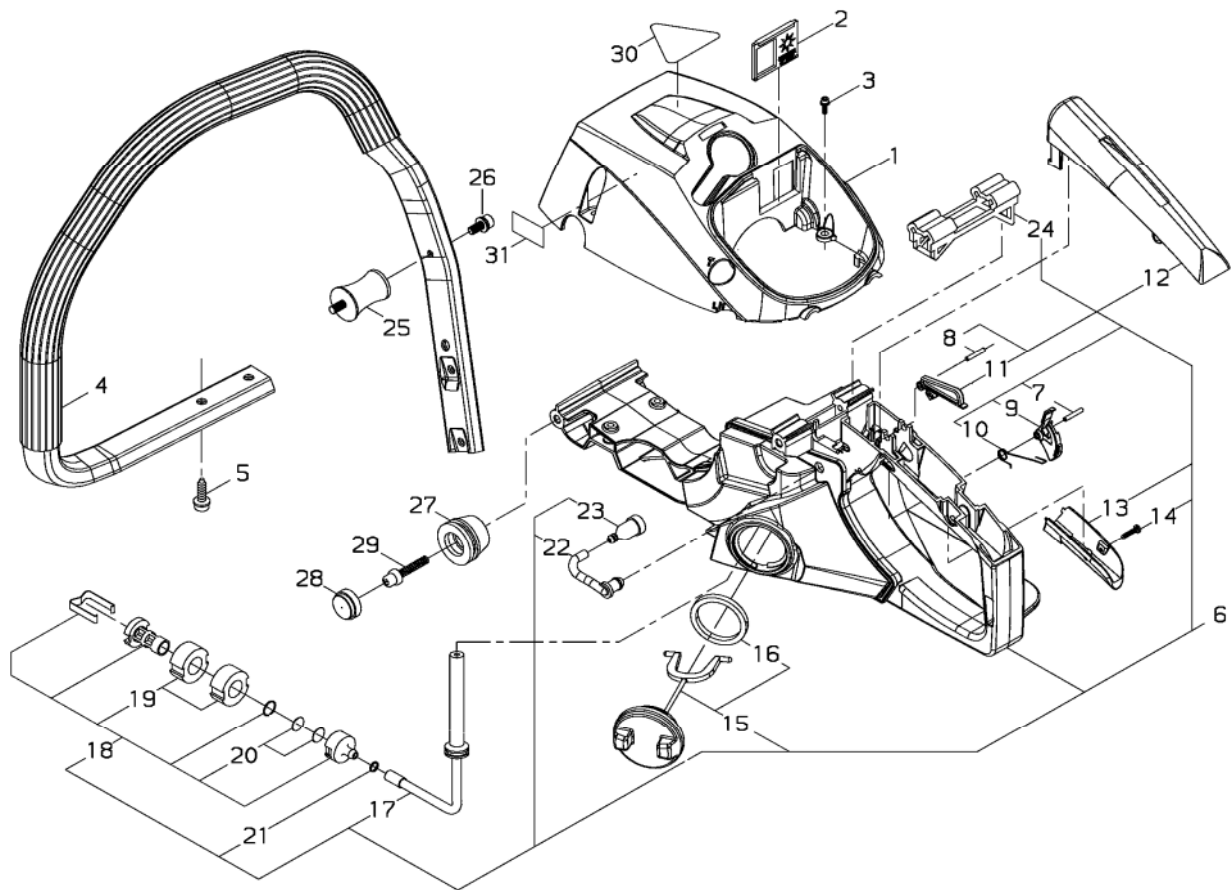
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27		39311-33330	1	CUSHION			
28	•	39311-21380	1	CAP			
29		39054-83310	1	PROTECTOR			
30	•	22154-22130	1	NUT			

3. COVER, HANDLE



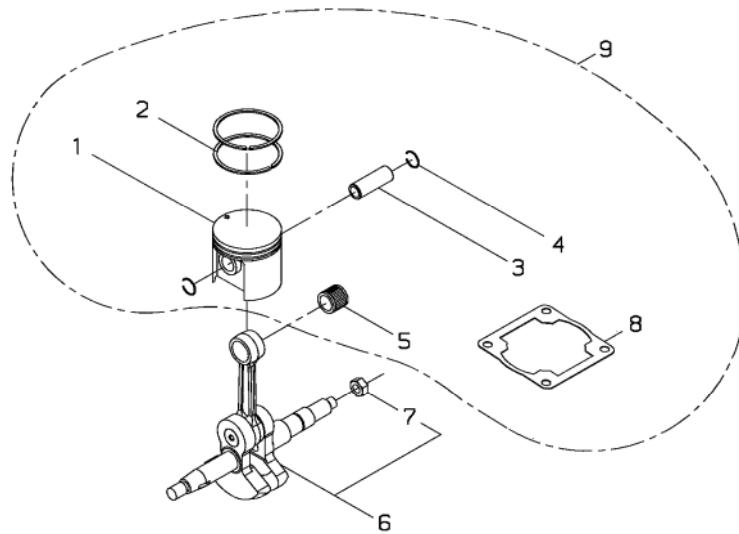
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39311-31110	1	CYLINDER COVER			
2		39311-31310	1	SHUTTER,AIR			
3		11060-04163	3	BOLT		M4x16	
4		39311-32110	1	FRONT HAMDLE			
5		11044-05160	4	BOLT TAPPING		M5x16	
6		39311-32024	1	REAR HANDLE ASSY			
7	•	12420-40255	1	SPRING PIN		4x25	
8	•	02427-40225	1	PIN		4x22	
9	•	22182-33326	1	TRIGGER,THROTTLE			
10	•	22182-33340	1	SPRING,TORSION			
11	•	22182-33332	1	LOCKOUT,THROTTLE			
12	•	39311-32330	1	LID,HANDLE			
13	•	22182-33230	1	GRIP			
14	•	01280-04222	1	SCREA TAPPING		4x22	
15	•	39309-32040	1	CAP ASSY			
16	•	39309-32270	1	GASKET			
17	•	39309-32340	1	FUEL PIPE			
18	•	22115-85401	1	FUEL FILTER			
19	•	22128-85421	2	ELEMENT,STRAINER			
20	•	22118-85460	2	ELEMENT			
21	•	20020-85540	1	CLIP			
22	•	39311-32341	1	PIPE			
23	•	22197-33960	1	VALVE			
24	•	39311-32370	1	STOPPER			
25		22182-33742	1	CUSHION			
26		11022-04100	1	BOLT SPW		M4x10	

3. COVER, HANDLE



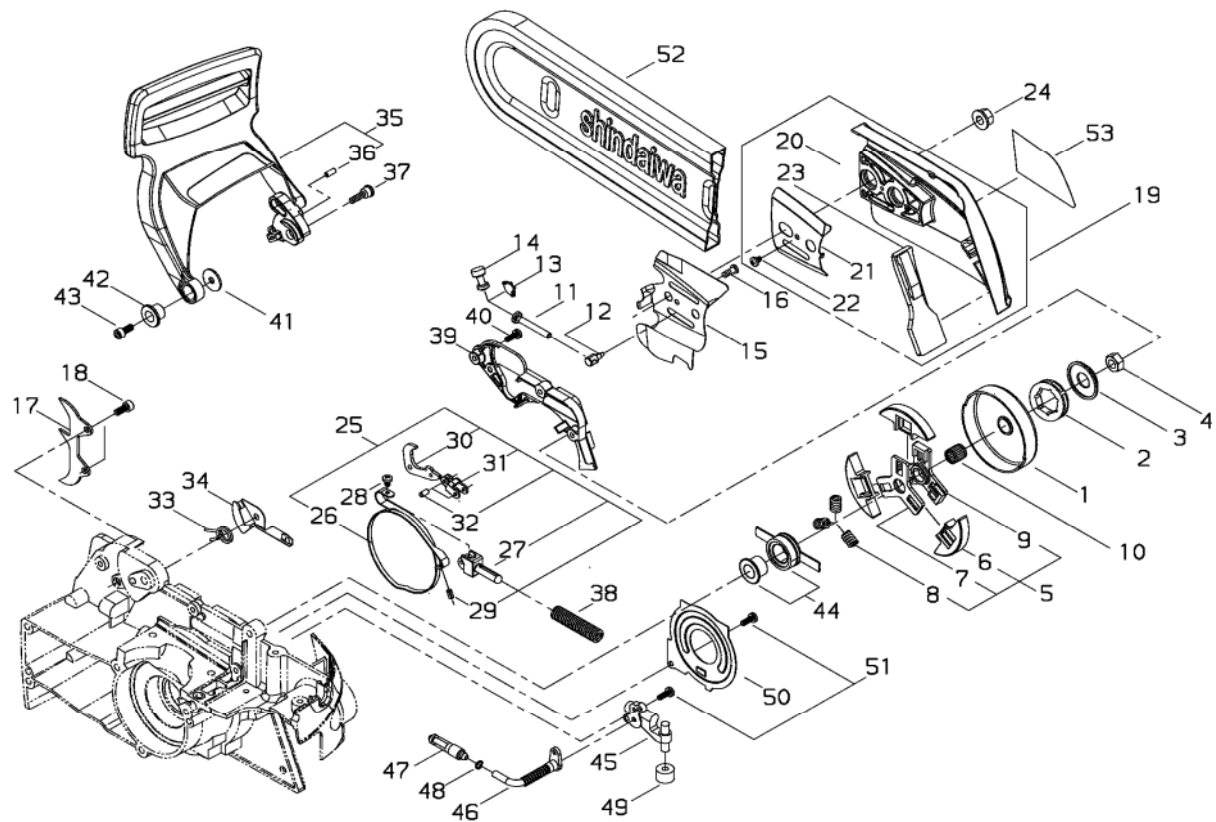
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27		39311-33310	4	CUSHION			
28		39311-33320	4	PLUG			
29		22160-33770	4	BOLT			
30		19402-00083	1	LABEL,CAUTION		PL	
31		19406-00036	1	LABEL FEATURE		EMC N452	

4. PISTON, CRANKSHAFT



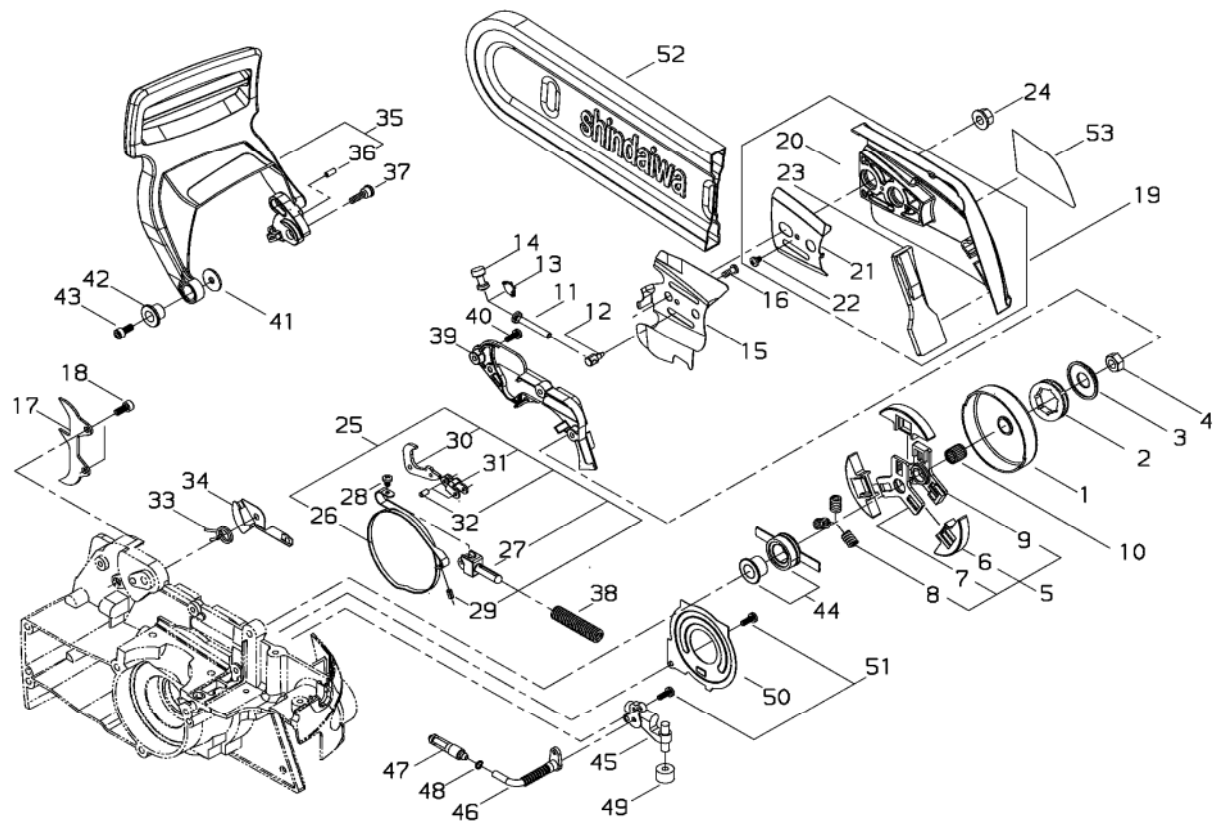
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1	•	39311-41110	1	PISTON			
2	•	39311-41120	2	PISTON RING			
3	•	22160-41220	1	PISTON PIN			
4	•	22100-41230	2	SNAP RING			
5	•	22160-41240	1	BEARING			
6		39223-98390	1	CRANK SHAFT SET			
7	•	11500-08001	1	NUT			
8	•	39311-12120	1	GASKET			
9		69025-98350	1	PISTON SET			

5. CLUTCH, CLUTCH COVER



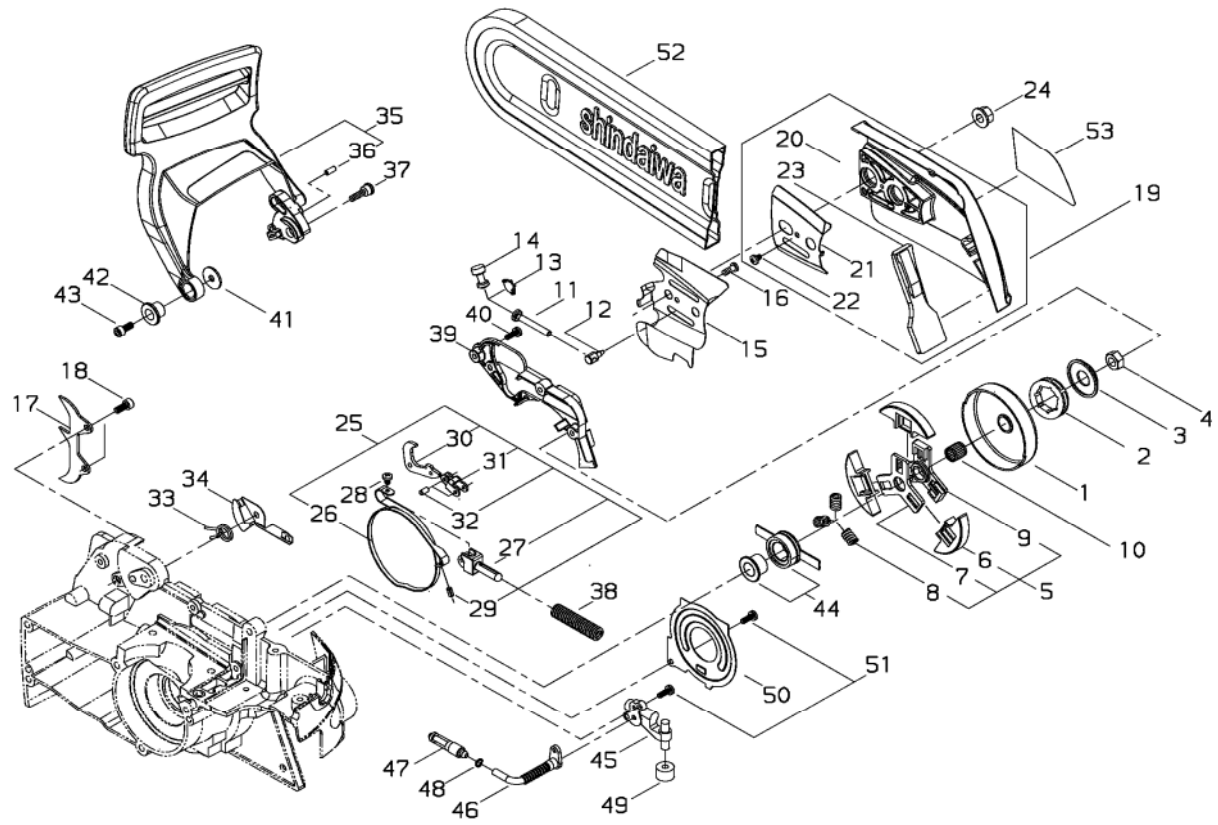
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39311-51110	1	CLUTCH DRUM			
2		22131-98120	1	RIM			
3		39311-51320	1	COLLAR			
4		11500-08001	2	NUT		M8	
5		39311-51020	1	CLUTCH ASSY			
6	•	39311-51120	3	CLUTCH SHOE			
7	•	39311-51130	1	CLUTCH BOSS			
8	•	22197-51230	3	SPRING			
9	•	22182-51241	1	HUB, CLUTCH			
10		22100-51310	1	NEEDLE BEARING			
11		22182-52620	1	SCREW			
12		22150-52440	1	TENSIONER, CHAIN			
13		22182-52631	1	GUIDE			
14		22182-52641	1	ADJUST GEAR			
15		39311-52130	1	GUIDE PLATE			
16		22173-56150	1	SCREW		M4x7	
17		39311-52140	1	SPIKE			
18		01020-05120	2	BOLT	M5*12	M5x12	
19		39311-53010	1	CLUTCH COVER ASSY			
20	•	39311-53110	1	CLUTCH COVER			
21	•	39311-53121	1	GUIDE PLATE			
22	•	01270-04062	1	CSREW TAPPING		4x6	
23	•	39311-53130	1	PROTECTOR			
24		22182-52411	2	NUT			
25		39311-54310	1	BRAKE BAND COMP			
26	•	39311-54110	1	BRAKE BAND			

5. CLUTCH, CLUTCH COVER



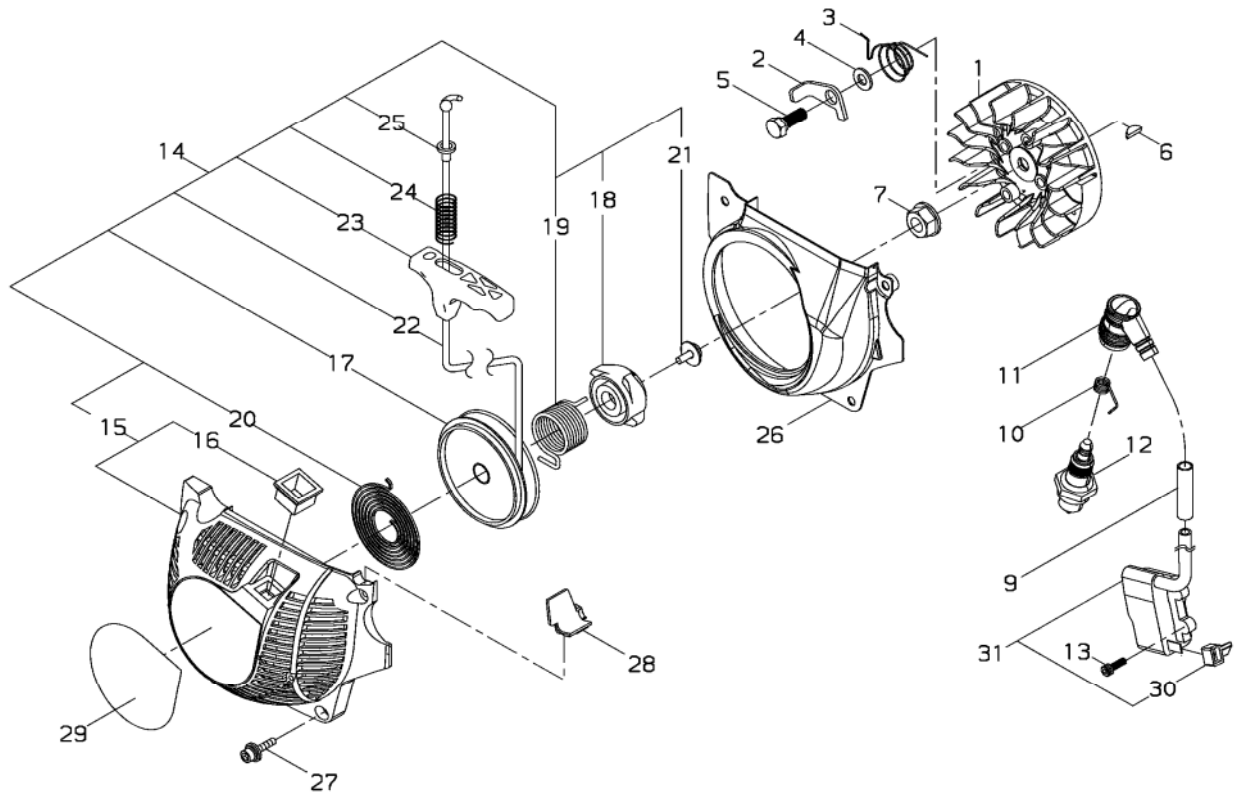
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27	•	39311-54320	1	CONNECTOR,BRAKE			
28	•	01270-04103	1	SCREW TAPPING		4x10	
29	•	02427-40105	1	PIN			
30	•	39311-54330	1	CONNECTOR,BRAKE			
31	•	39311-54340	1	TIE STRAP			
32	•	12492-30110	2	ROLLER			
33		17520-15400	1	COIL SPRING			
34		39311-54350	1	PLATE			
35		39311-54362	1	GUARD			
36	•	12492-40080	1	ROLLER			
37		39311-54380	1	BOLT			
38		17500-12300	1	COIL SPRING			
39		39311-54130	1	COVER BRAKE			
40		11060-04141	3	BOLT ADHESIVE		M4x14	
41		22169-54670	1	WASHER			
42		15401-10119	1	COLLAR			
43		01020-05180	1	BOLT		M5x18	
44		22197-55110	1	GEAR			
45		22197-55201	1	OIL PUMP ASSY			
46		22182-55311	1	OIL PIPE			
47		22182-55330	1	OIL FILTER			
48		20020-85540	1	CLIP			
49		22169-55430	1	ELEMENT			
50		39311-55231	1	PUMP COVER			
51		11060-04141	3	BOLT ADHESIVE		M4x14	
52		19600-74100	1	CHAIN COVER		350、400mm	

5. CLUTCH, CLUTCH COVER



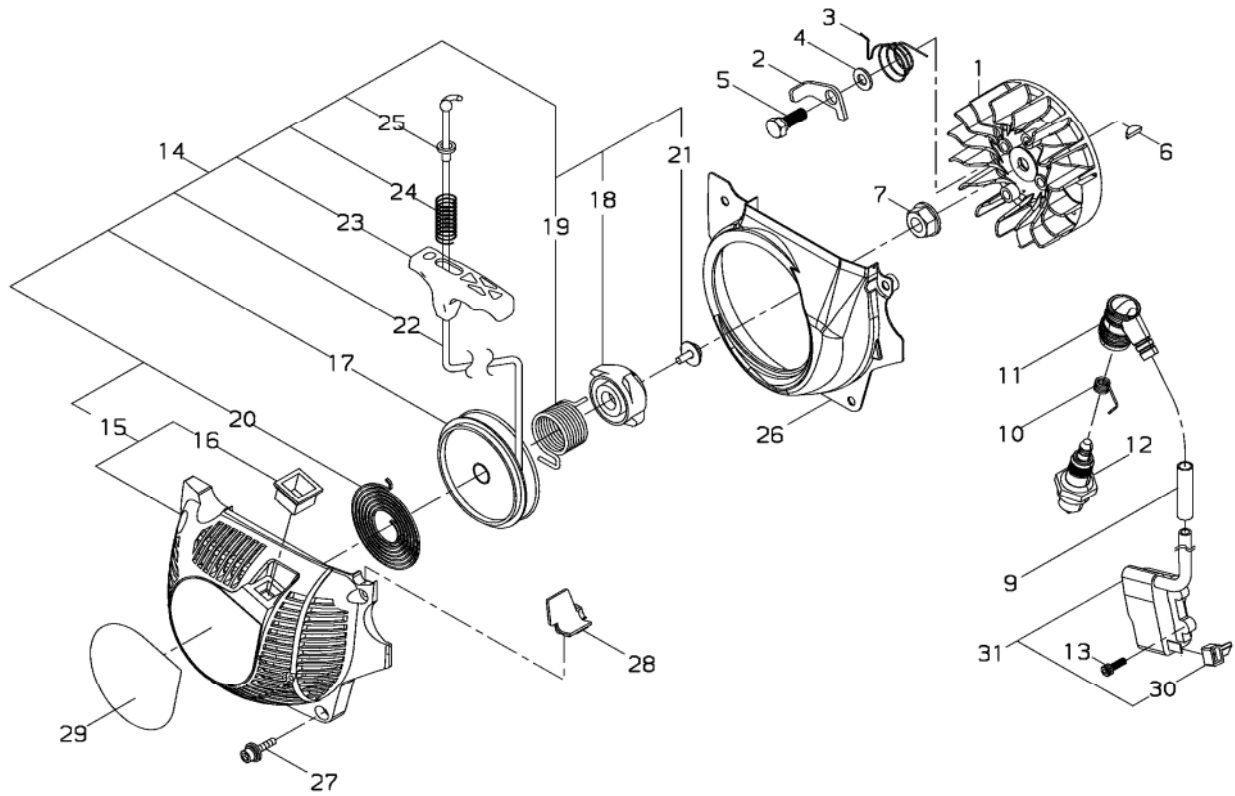
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
53		69025-91332	1	LABELTRADE			

6. MAGNETO, RECOIL STARTER



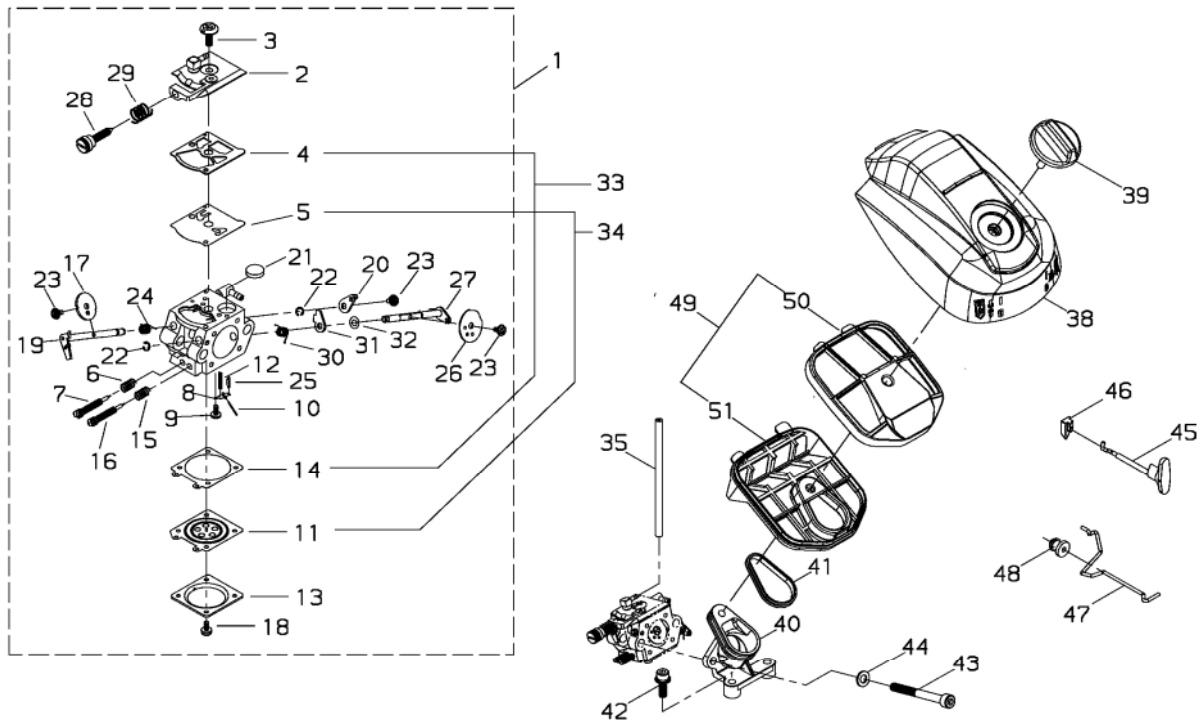
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39311-71110	1	ROTOR			
2		22182-71412	2	PAWL			
3		22182-71421	2	SPRING RATCHET			
4		22182-71430	2	WASHER			
5		22182-71440	2	BOLT			
6		02403-03100	1	KEY	3*10		
7		22169-71460	1	NUT			
9		39311-71310	1	TUBE			
10		22154-72230	1	TERMINAL, SPARKPLUG			
11		22160-72220	1	PLUG CAP			
12		13000-13507	1	SPARK PLUG BPMR7A		BPMR7A	
13		11060-04202	2	BOLT ADHESIVE		M4x20	
14		39311-75011	1	RECOIL STARTER ASSY			
15	•	39311-75110	1	RECOIL CASE			
16	• •	22182-75120	1	GUIDE			
17	•	39300-75121	1	REEL			
18	•	39300-75311	1	CAM			
19	•	39309-75320	1	SPRING, TORSION			
20	•	39300-75130	1	RECOIL SPRING			
21	•	39300-75330	1	SCREW			
22	•	39300-75140	1	ROPE			
23	•	39300-75151	1	KNOB			
24	•	39300-75340	1	SPRING, COMPRESSION			
25	•	39300-75350	1	SPACER			
26		39311-75210	1	AIR PLATE			
27		11060-04163	4	BOLT		M4x16	

6. MAGNETO, RECOIL STARTER



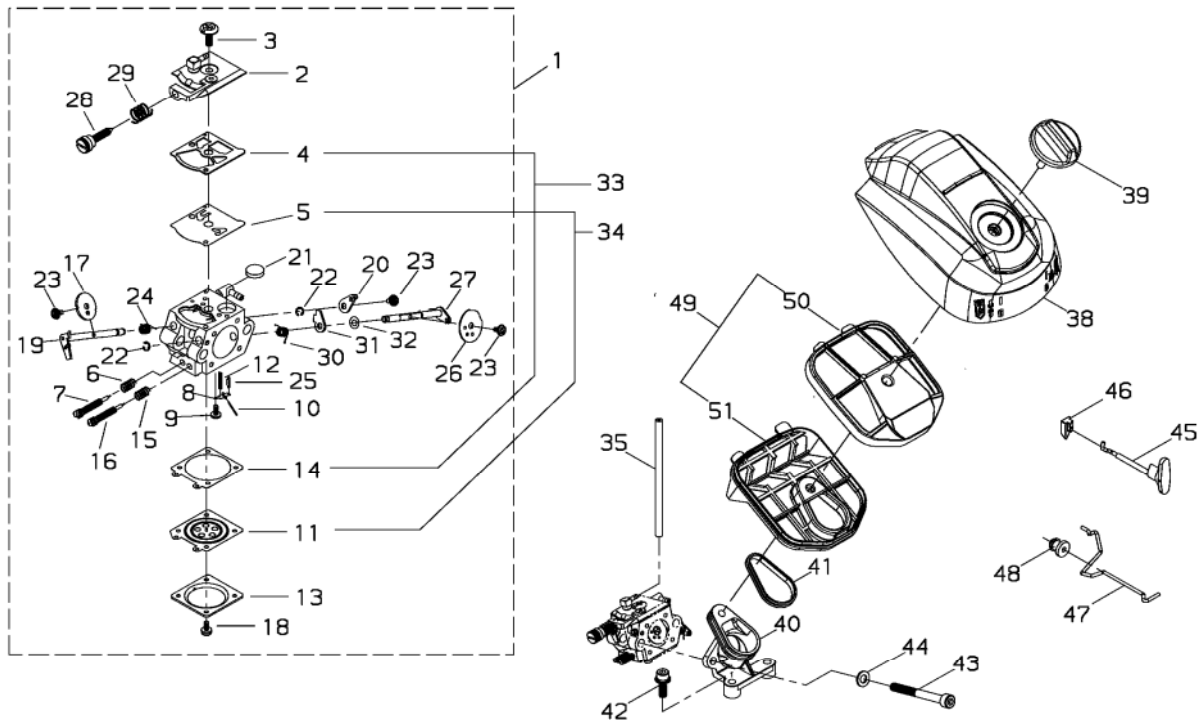
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
28		39311-75320	1	GROMMET			
29		69025-91322	1	LABELTRADE			
30		39311-71320	1	BODY, TERMINAL			
31		39311-71360	1	COIL			

7. CARBURETOR



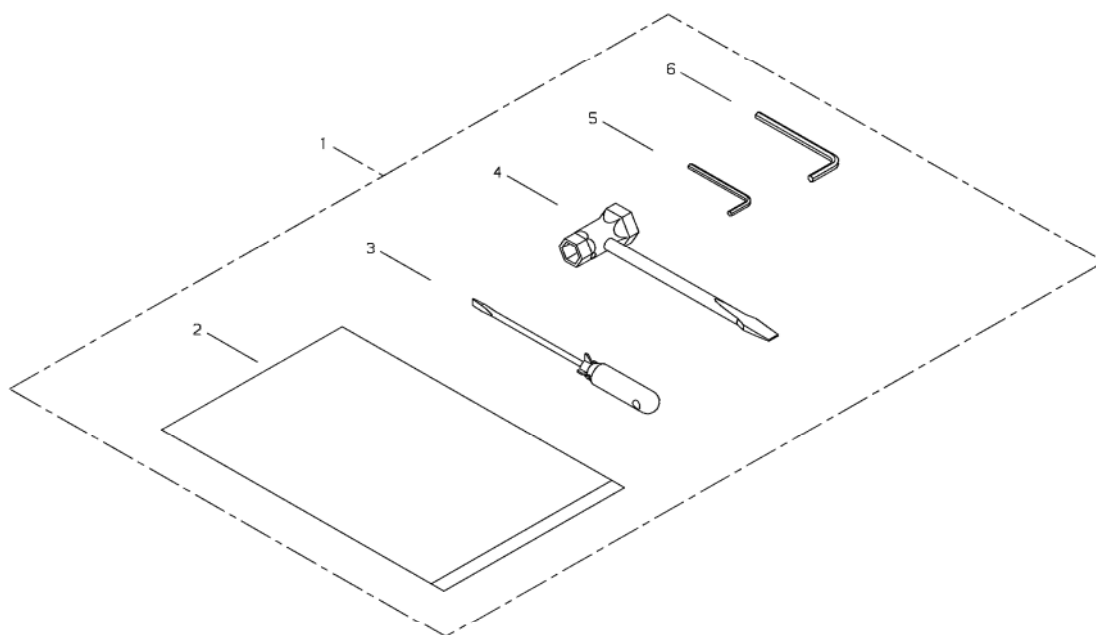
KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		39311-81010	1	CARBURETOR ASSY			
2	•	39010-81320	1	COVER, PUMP			
3	•	22100-81130	1	SCREW			
4	•	22128-81140	1	GASKET, FUEL PUMP			
5	•	22128-81150	1	DIAPHRAGM PUMP			
6	•	22156-81160	1	SPRING, NEEDLE			
7	•	22177-81170	1	NEEDLE			
8	•	22100-81230	1	LEVER, METERING			
9	•	22100-81240	1	SCREW			
10	•	22100-81250	1	PIN			
11	•	22100-81260	1	DIAPHRAGM ASM			
12	•	72342-81270	1	SPRING, METER. LEVER			
13	•	22100-81280	1	COVER DIAPHRAGM			
14	•	22100-81290	1	GASKET, M. DIAPHRAGM			
15	•	22156-81320	1	SPRING, NEEDLE			
16	•	22156-81330	1	NEEDLE, HIGH SPEED			
17	•	22197-81340	1	THROTTLE VALVE			
18	•	22100-81351	4	SCREW			
19	•	22180-81740	1	SHAFT			
20	•	69018-81320	1	THROTTLE LEVER			
21	•	70030-81380	1	SCREEN			
22	•	70030-81390	2	E-RING			
23	•	20803-81150	3	SCREW			
24	•	72320-81420	1	SPRING			
25	•	20036-81440	1	VALVE			
26	•	22156-81710	1	VALVE, CHOKE			

7. CARBURETOR



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
27	•	22197-81370	1	SHAFT			
28	•	72320-81410	1	IDEL SCREW			
29	•	22156-81420	1	SPRING, IDLE ADJUST			
30	•	22180-81460	1	SPRING			
31	•	22180-81471	1	LEVER			
32	•	20036-81185	1	WASHER			
33		22128-81920	1	GASKET KIT			
34		22128-81910	1	DIAPHRAGM KIT			
35		39010-11050	1	PLUSE PIPE			
38		39311-82131	1	CLEANER COVER			
39		22182-31220	1	KNOB,CLEANER LID			
40		39311-82360	1	ELBOW			
41		39311-82370	1	GASKET			
42		11060-04163	2	BOLT		M4x16	
43		01020-05480	2	BOLT		M5x48	
44		01610-05080	2	WASHER		5mm	
45		39311-83310	1	CHOKE ROD			
46		39311-83320	1	GROMMET			
47		39311-83330	1	THROTTLE ROD			
48		38010-83330	1	GROMMET			
49		39223-98510	1	AIR CLEANER ASSY			
50	•	39223-98341	1	AIR CLEANER UPPER			
51	•	39223-98351	1	AIR CLEANER LOWER			

8. TOOL



KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		72357-91000	1	TOOL SET			
2	▪	19639-01100	1	POLY BAG			
3	▪	22150-91160	1	DRIVER			
4	▪	22000-91181	1	PLUG WRENCH			
5	▪	09026-03001	1	HEXA WRENCH 4MM		3mm M4	
6	▪	09026-04001	1	HEXA WRENCH	4MM M5ㄗ	4mm M5	

9. REPLACEMENT KIT

KEY	LV	PART NUMBER	Q'TY	DESCRIPTION	REMARKS	NOTE1	NOTE2
1		69029-98310	1	ENGINE REBUILD KIT			

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Patrs Number	Key No.	Patrs Number	Key No.	Patrs Number	Key No.
01020-05120	5 - 18	20036-81440	7 - 25	22182-12160	1 - 4
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01020-05480	7 - 43	22100-81130	7 - 3	22182-33326	3 - 9
01201-04080	2 - 24	22100-81230	7 - 8	22182-33332	3 - 11
01270-04062	5 - 22	22100-81240	7 - 9	22182-33340	3 - 10
01270-04103	5 - 28	22100-81250	7 - 10	22182-33742	3 - 25
01280-04222	3 - 14	22100-81260	7 - 11	22182-51241	5 - 9
01610-05080	2 - 17	22100-81280	7 - 13	22182-52411	5 - 24
01610-05080	7 - 44	22100-81290	7 - 14	22182-52620	5 - 11
01613-04080	2 - 23	22100-81351	7 - 18	22182-52631	5 - 13
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02427-40105	5 - 29	22115-85401	3 - 18	22182-55311	5 - 46
02427-40225	3 - 8	22118-85460	3 - 20	22182-55330	5 - 47
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09026-04001	8 - 6	22128-81150	7 - 5	22182-71421	6 - 3
11022-04100	3 - 26	22128-81910	7 - 34	22182-71430	6 - 4
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11060-04141	5 - 40	22128-85421	3 - 19	22182-75120	6 - 16
11060-04141	5 - 51	22131-98120	5 - 2	22197-15130	1 - 10
11060-04163	1 - 8	22150-21250	2 - 3	22197-33960	3 - 23
11060-04163	3 - 3	22150-52440	5 - 12	22197-51230	5 - 8
11060-04163	6 - 27	22150-91160	8 - 3	22197-55110	5 - 44
11060-04163	7 - 42	22154-22130	2 - 30	22197-55201	5 - 45
11060-04202	6 - 13	22154-72230	6 - 10	22197-81340	7 - 17
11203-04060	1 - 12	22155-12190	2 - 16	22197-81370	7 - 27
11500-08001	4 - 7	22156-14140	1 - 6	38010-32271	2 - 19
11500-08001	5 - 4	22156-81160	7 - 6	38010-83330	7 - 48
12420-40255	3 - 7	22156-81320	7 - 15	39010-11020	2 - 9
12492-30110	5 - 32	22156-81330	7 - 16	39010-11050	7 - 35
12492-40080	2 - 10	22156-81420	7 - 29	39010-81320	7 - 2
12492-40080	5 - 36	22156-81710	7 - 26	39054-21320	2 - 22
12492-40110	2 - 11	22160-21520	2 - 8	39054-83310	2 - 29
12900-62010	2 - 2	22160-33770	3 - 29	39223-98341	7 - 50
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13000-13507	6 - 12	22160-41240	4 - 5	39223-98390	4 - 6
14352-01300	2 - 21	22160-52511	2 - 15	39223-98510	7 - 49
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19406-00036	3 - 31	22169-71460	6 - 7	39300-75311	6 - 18
19600-74100	5 - 52	22173-56150	5 - 16	39300-75330	6 - 21
19639-01100	8 - 2	22177-81170	7 - 7	39300-75340	6 - 24
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39309-32340	3 - 17	39311-71360	6 - 31		
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39311-12110	1 - 1	39311-75110	6 - 15		
39311-12120	1 - 2	39311-75210	6 - 26		
39311-12120	4 - 8	39311-75320	6 - 28		
39311-12210	1 - 5	39311-81010	7 - 1		
39311-12220	1 - 7	39311-82131	7 - 38		
39311-15210	1 - 13	39311-82360	7 - 40		
39311-21030	2 - 18	39311-82370	7 - 41		
39311-21320	2 - 12	39311-83310	7 - 45		
39311-21360	2 - 25	39311-83320	7 - 46		
39311-21370	2 - 20	39311-83330	7 - 47		
39311-21380	2 - 28	39312-15310	1 - 9		
39311-31110	3 - 1	39312-21010	2 - 1		
39311-31310	3 - 2	39312-21020	2 - 5		
39311-32024	3 - 6	69018-81320	7 - 20		
39311-32110	3 - 4	69025-91322	6 - 29		
39311-32330	3 - 12	69025-91332	5 - 53		
39311-32341	3 - 22	69025-98350	4 - 9		
39311-32370	3 - 24	69029-98310	9 - 1		
39311-33310	3 - 27	70030-81380	7 - 21		
39311-33320	3 - 28	70030-81390	7 - 22		
39311-33330	2 - 27	72312-15220	1 - 15		
39311-41110	4 - 1	72320-81410	7 - 28		
39311-41120	4 - 2	72320-81420	7 - 24		
39311-51020	5 - 5	72342-81270	7 - 12		
39311-51110	5 - 1	72357-91000	8 - 1		
39311-51120	5 - 6	72365-15210	1 - 11		
39311-51130	5 - 7				
39311-51320	5 - 3				
39311-52130	5 - 15				
39311-52140	5 - 17				
39311-53010	5 - 19				
39311-53110	5 - 20				
39311-53121	5 - 21				
39311-53130	5 - 23				
39311-54110	5 - 26				
39311-54130	5 - 39				
39311-54310	5 - 25				
39311-54320	5 - 27				
39311-54330	5 - 30				
39311-54340	5 - 31				
39311-54350	5 - 34				
39311-54362	5 - 35				
39311-54380	5 - 37				
39311-55231	5 - 50				
39311-71110	6 - 1				
39311-71310	6 - 9				
39311-71320	6 - 30				

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