CONTENT

Notes during operation

Safety cautions

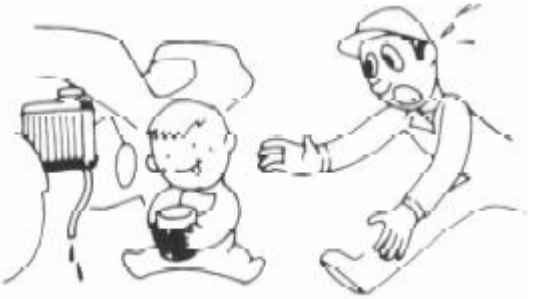
Cautions Exhaust contains toxic ingredients. Do not run the engine in closed places or places with poor ventilation for a long time.

Cautions The liquor (dilute sulfuric acid) in Battery is strong corrosive; it may burn the skin and blind the eyes when it contacts them. In case of contact, please wash it with a great deal of clear water immediately, and receive medical treatment in hospital. Besides, please also wash it by a great deal of clear when it contacts the clothes, for avoiding skin burn. The Battery and Battery liquor must be stored strictly, away from where children can touch.

Cautions Uniform (pilot uniform etc), cap, safety boots suitable for the operation must be worn, and the safety articles such as dustproof goggles, dustproof respirator and gloves shall be worn for protection when necessary.

Cautions When the engine just stops, the temperature of engine, muffler is still high; please do not touch them with bare hands, for avoiding burn. Please wear uniform with long sleeves as well as gloves when maintaining.

Cautions The coolant is poisonous, please do not drink it, do not let it contact the skin, eyes neither clothes. In case it contacts the skin or clothes, please suds it immediately. When it contacts the eyes, please wash it thoroughly with a great deal of clear water immediately, and receive medical treatment in hospital. In case the coolant is drunk by mistake, please try to vomit it out, and receive medical treatment immediately after gargling. The coolant must be stored strictly, away from where children can touch.



Cautions: No smoking or naked fire is allowed at the operation site, for the gasoline is combustible. Not only flames, but electric sparks shall be avoided. Besides, the vapored gasoline is explosive, please operate it in the place with nice ventilation.

Cautions The Battery may produce combustible and explosive hydrogen when it is being charged. So it may explode if there is flame or electric spark. So please charge it in the place with nice ventilation.

Cautions: do not let the turning or movable pieces such as rear wheel, clutch etc clip your hands or clothes when maintaining.

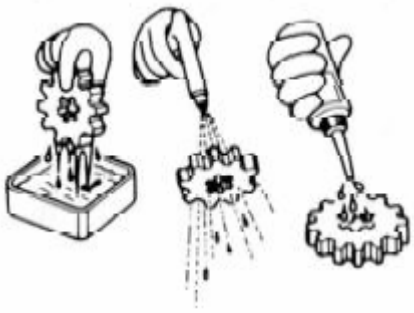
Cautions The personnel shall make them be aware of each other from time to time when operating, for safety confirmation.

Cautions to disassembly, assembly

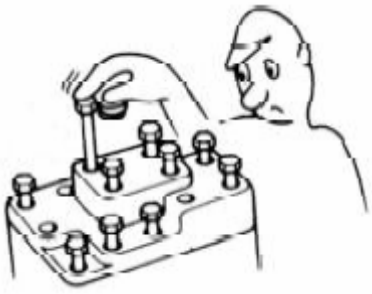
- The parts, lubricant and grease must adopt the pure parts of Chunfeng Brand or recommendation.

- The parts of each system shall be arranged and stored separately, so that the parts can be assembled to the original places.

- The parts shall be washed and the cleanser shall be blown away by compressed air prior to determination when they are disassembled and inspected. The working surface shall be lubricated before assembly.



- Insert and arrange the bolts one by one and make sure the insertion volume of each bolt is equal before inserting them, when the bolt length is unidentified.

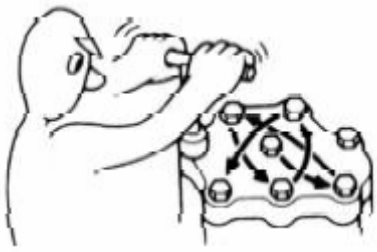


- Please clean the dirt, dusts on the vehicle before maintenance.

- The gasket, O-ring, piston pin retainer and split pin must be renewed after disassembly.
- The elastic retainer will deform if it is opened too wide upon disassembly, then it will easily fall off when assembled again. Please do not use the elastic retainer that is already loose and without elasticity.

- Inspect the necessary sites upon disassembly, measure the relevant data, so that the original status can be resumed after assembly.

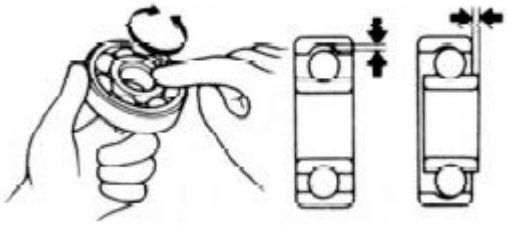
- The fasteners such as bolts, nuts and screws shall be pre-fastened, and then be fastened on the diagonal according to regulated fastening torque in the principle of from big to small, from inside to outside.



- The rubber parts shall be checked whether they are aged upon disassembly, renew them in advance when necessary. Besides, try not to make volatile oil, grease etc attach on the rubber parts, for they are not resistant to corrosion of gasoline or kerosene.

- Proper special tools must be applied to the operations which require special tools

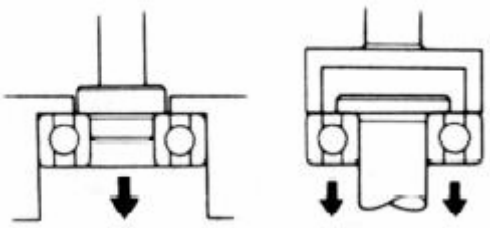
- The inside or outside track of ball bearing shall be turned manually, for confirming the flexibility and smoothness of turning.
  - The parts that are loose axially or radially shall be renewed.
  - The parts that are unsmooth shall be washed with oil, and the parts that are not repaired after washing shall be renewed (the dual-side dustproof type cannot be washed)
  - Press it into the machine or axis, and the bearing shall be renewed if the pressed part is not tight enough.



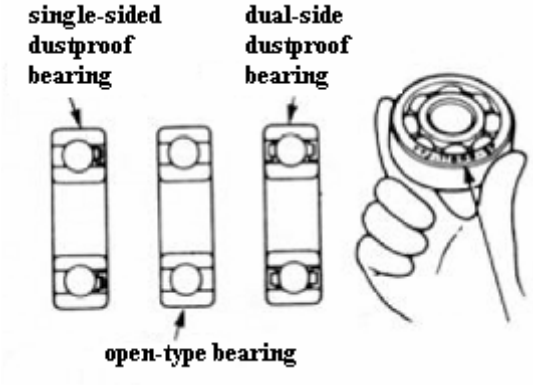
- Do not let the bearing race turn back when blowing the ball bearing by compressed air after washing. If the bearing race turns back, its high back turning speed will be beyond the limit that may result in damage of bearing. The bearing shall be lubricated with engine oil or grease before assembly.

- The recommended lubricating grease must be applied or injected in the appointed positions.

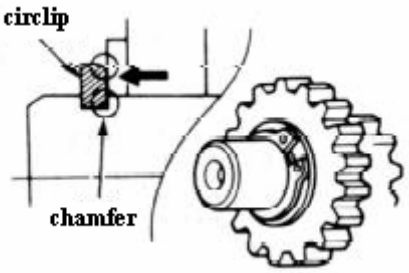
- When disassembling the pressed ball bearing, the disassembled bearing must not be used again if the balls are forced for disassembly.



- The installation direction of single-sided dustproof bearing shall be paid attention to upon disassembly. The surface of open-type or dual-side dustproof bearing that is with the sign of manufacturer, dimensions shall face outside upon installation.

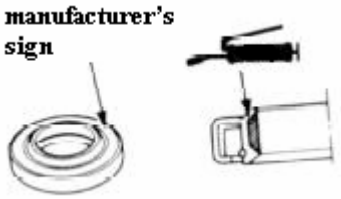


- The side with chamfer shall face the impact direction when installing the circlip. The circlip that is loose already or without elasticity shall not be used again. Rotate the circlip after assembly, for confirming that it is installed in the groove properly.

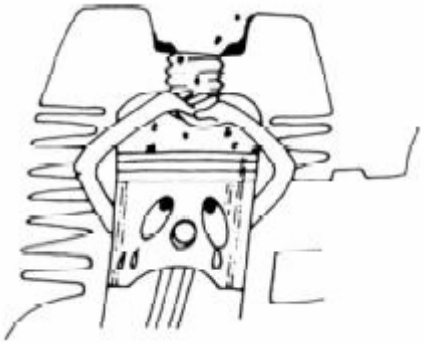


- Each fastening part must be inspected whether they are tightened and work well after assembly.

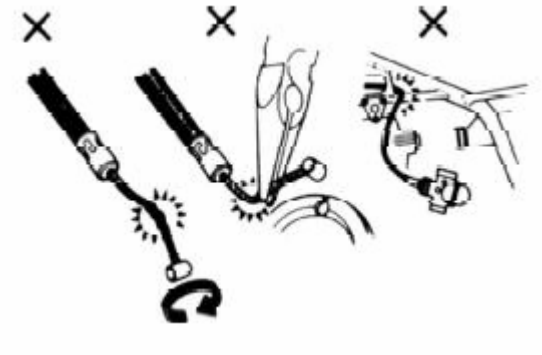
- The side of oil seal with manufacturer's sign shall be installed facing outside (the direction without oil).
  - Avoid the crimp of oil seal lip when assembling, do not let the burrs damage the oil seal lip.
  - The oil seal lip shall be applied with grease before assembly.



- Avoid the entry of dusts, dirt into the engine or the oil pressure system of brake.

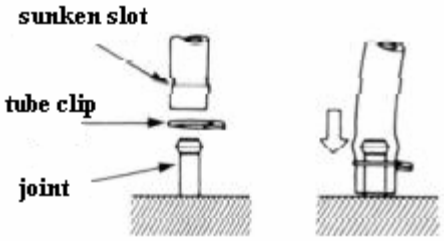


- The stayed cables shall not be over contorted or bent. Deformed or damaged stayed cables will cause malfunction or dilapidation.



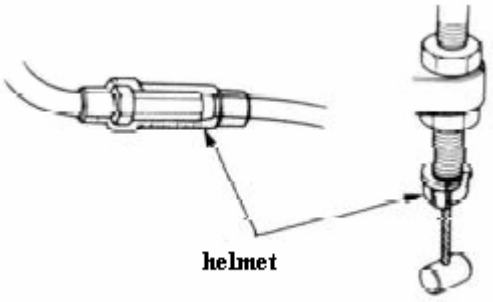
- The brake fluid and coolant may damage the application surface, plastic parts, rubber parts etc. Do not let the fluid attach to such parts. In case of attachment, wash it immediately with water.

- The tube shall be inserted to the base of joint when installing the tube parts. If there is tube clip, the tube clip shall be installed in the sunken slot of tube. The tube that is without tightness upon installation shall be renewed.



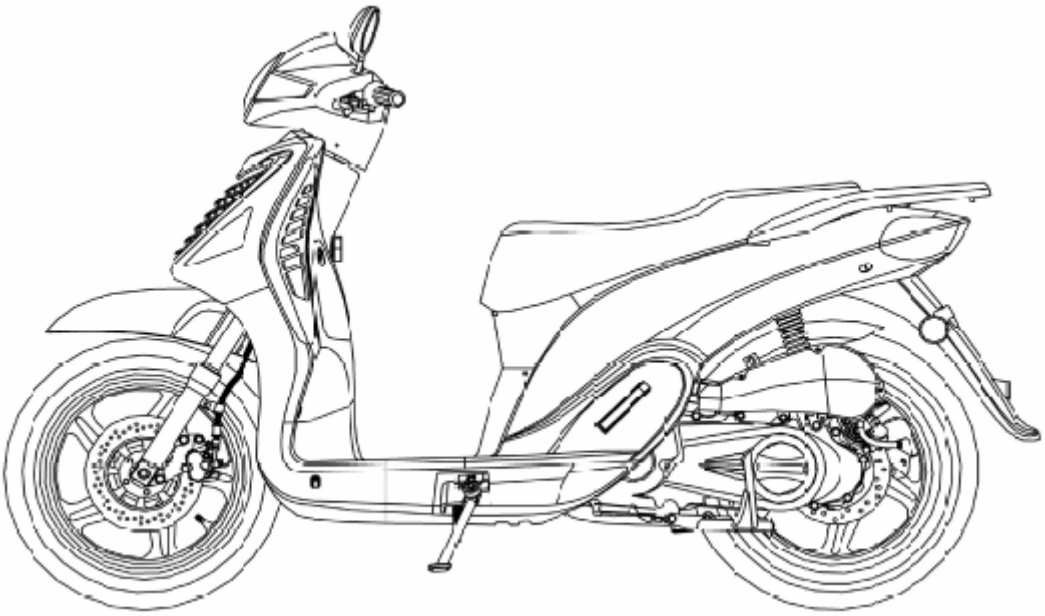
- The gasket attached to the combination surface of each cabinet of engine shall be cleaned before assembly. The impact mark on the contact surface must be removed by whetstone evenly.

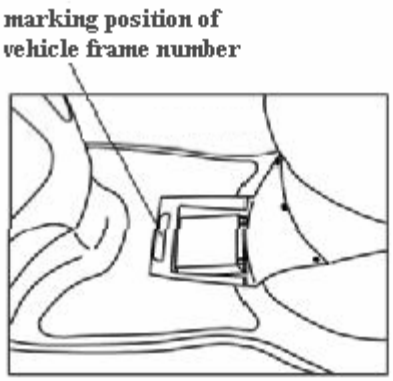
- When assemble the helmet type parts, the helmet must be inserted into the groove if there is groove.



Number marking position

	CF150T-5i	CF125T-21i
Vehicle frame number:	LCETDKP6～	LCETDJPM～
Engine number:	1P58MJ-A(1)～	1P52MI-B(1)～





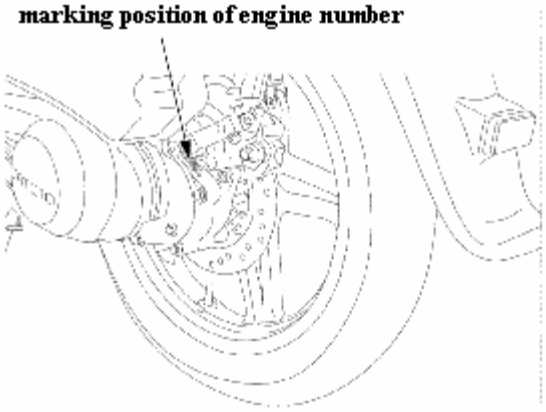


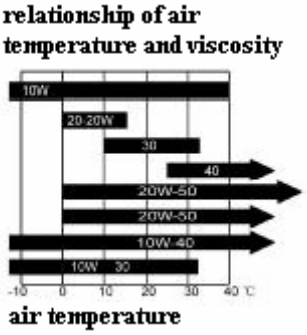
Table of main parameters

Item				Parameter	
Name and model				CF150T-5i/CF125T-21i	
Length				2075mm	
Width				690mm	
Height				1200mm	
Wheelbase				1385mm	
Engine model				1P58MJ-A(1) /1P52MI-B(1)	
Total capacity				152.7ml /124.6ml	
Fuel type				Gasoline above #93	
Gross weight				130kg	127kg
Number of passenger				2 (including driver)	
Rated load				150kg	
Tyre specification	Front-wheel			100/80-16	
	Rear wheel			110/80-16	
Minimum ground Gap				160mm	
Minimum turning diameter				4.5m	
Engine	Startup mode			Electric startup	
	Engine model			Four-stroke gasoline engine	
	Cylinder quantity and distribution			Single-cylinder, horizontal	
	Model of combustion chamber			Hemisphere	
	Valve drive model			OHC chain drive	
	Cylinder diameter × stroke			58 × 57.8mm	52.4 × 57.8mm
	Compression ratio			11:1	10.3:1
	Max. power and relevant rotate speed			9.0kW/8500r/min	6.5kW/8500r/min
	Max. torque and relevant rotate speed			10.8N· m/7250r/min	8.0N· m/7000r/min
	Air distribution Phase	Air inlet gate	Open	0° (1mm) BTDC	
			Close	30° ABDC	
		Air exhaust gate	Open	35° BTDC	
			Close	0° TDC	
	Lubricating method			Pressure, splashing type	
	Type of lubricating oil pump			Rotor type	
	Type of lubricating oil filter			Full flow filtration screen	
	Cooling mode			Forcing water cooling	

Item			Parameter
Air inlet device	Type of air cleaner		Paper filter core
	Body of throttle valve	Model	BING: 7226101
		Diameter of throttle valve	26mm
	Idle air control valve	Model	Siemens ABV379-015
Transmission device	Clutch	Type	Dry automatic centrifugation type
		Operation mode	Automatic centrifugation type
	1-stage reduction	Type of gear	Bevel wheel
		Reduction ratio	3.13/3.77
	2-stage reduction	Type of gear	Bevel wheel
		Reduction ratio	3.21
	Variable speed gear	Type	V-notched belt type
		Operation mode	Automatic infinitely variable speeds
		Variable speed ratio	2.5～ 0.8
Turning device	Turning angle	Right	45°
		Left	45°
Type of braking device		Front	Hydraulic disc type
		Back	Hydraulic disc type
Buffer unit	Suspension mode	Front wheel	Cylinder type
		Rear wheel	Rocker type
Frame type			Steel pipe and steel plate welding type

Table of maintenance parameter

Lubricating device

Item		Standard	Operation limit
Capacity of engine oil	When the engine renews oil	0.8*l*	-
	Full capacity	1.0*l*	-
Recommended engine oil (see the original).  		■ SAE-10W-40、20W-50 are be used exclusively for 4-stroke motorcycle Selection must be made within the following range if substitute is preferable. ■ API classification: SE or SF grade engine oil. ■ SAE specification: select from the table at right according to the outdoor temperature.	
Oil pump rotor	Gap between external rotor and internal rotor	0.15mm	0.20mm
	The body Gap	0.15～ 0.23mm	0.25mm
	Gap of end face	0.05～ 0.10mm	0.12mm

Fuel device

Item		Standard
Oil supply device	Capacity of fuel tank	Full capacity: 7.8*l*
	Oil injector	Model: Valeo: 01F023
	Fuel pump	Voltage: DC13.5V
		Pressure: 0.25± 0.007Mpa
		Flow rate: ≥ 35L/h
		Current: ≤ 2.20A
		Safe pressure: 0.5-0.6Mpa
	Idle rotate speed	1700± 100r/min

Cooling device

Item		Standard
Capacity of coolant	Full capacity	0.8*l*
	Capacity of assistant water box	0.26*l*
	Standard concentration	50% (proportion for compounding with original fluid)
Opening pressure of water-adding entry lid		108kPa（ 1.1kgf/cm^2）
Thermostat	Initial temperature	71± 3℃
	Full opening temperature	88℃
	Full opening lift range	3.5－4.5mm

Cylinder cover, valve

Item			Standard	Operation limit
Compression pressure of cylinder			700kPa(7.0kgf/cm^2) -260r/min	-
Valve gap		IN	0.05mm	-
		EX	0.20mm	-
Skewness of cylinder cover			-	0.05mm
Camshaft	Height of cam top	IN	30.74－ 30.86mm	30.69mm
		EX	30.33－ 30.45mm	30.28mm
Valve rocker	Interior diameter of valve rocker hole	IN/EX	10.000－ 10.015mm	10.10mm
	External diameter of valve rocker shaft	IN/EX	9.978－ 9.987mm	9.91mm
Valve Sleeve for valve guide	External diameter of valve stem	IN	4.975－ 4.99mm	4.965mm
		EX	4.955－ 4.97mm	4.945mm
	Interior diameter of valve guide	IN	5－ 5.012mm	5.04mm
		EX	5－ 5.012mm	5.04mm
	Gap of valve stem and valve guide	IN	0.01－ 0.037mm	0.075mm
		EX	0.03－ 0.057mm	0.095mm
	Driving depth of valve guide	IN/EX	11.9－ 12.1mm	-
	Contact width of valve seat	IN/EX	0.9-1.1mm	1.8mm
Valve spring	Overhanging length (outer/inner spring)	IN/EX	35.0/32.3mm	33.5/30.8mm

Automatic continuously variable transmission variator

Item		Standard	Operation limit
Drive wheel of Derailleur	Moving disc subassembly for derailleur	24.007－ 24.028mm	24.07mm
	External diameter of shaft sleeve for drive wheel disc	23.959－ 23.98mm	23.92mm
	External diameter of centrifugal rotor subassembly	19.95－ 20.05mm	19.45mm
Belt width		21.7－ 23.3mm	20.7mm
Driven wheel of clutch	Thickness of friction plate	－	2.75mm
	Internal diameter of clutch outer rotary table	124.5－ 124.2mm	125mm
	Overhanging length of clutch spring	144－ 146mm	140mm
	External diameter of driven rotary table	33.95－ 33.975mm	33.92mm
	Internal diameter of moving driven rotary table	34.000－ 34.025mm	34.06mm

Reducing mechanism

Item		Standard
Quantity of engine oil	Upon renewal	0.15*l*
	Upon disassembly	0.15*l*
Recommended reducer oil		Grade SAE15W-40/SF

Starting motor

Item		Standard	Operation limit
Starting motor	Brush length	10mm	7mm

Crank, piston, and cylinder

Item			Standard **(Unit mm)**		Operation limit **(Unit mm)**	
			1P52MI-B(1)	1P58MI-A(1)		
Crank	Big end of the connecting rod	Axial Gap	0.16－ 0.304		0.5	
		Radial Gap	0.005-0.017		0.05	
	Crank runout		—		0.10	
Piston	Installation direction of piston		The “IN” mark shall face the air inlet side		—	
	External diameter of piston		52.37－52.39	57.97－57.99	52.32	57.92
	Interior diameter of piston pin hole		15.002－15.008		15.04	
	External diameter of piston pin		14.994－15.000		14.98	
	Interior diameter of the small end of connecting rod		15.016－15.034		15.05	
	Gap between cylinder and piston		0.02－0.04		0.08	
	Gap between piston and piston pin		0.002－0.014		0.04	
	Gap between piston pin and connecting rod		0.016-0.040		0.06	
	Gap between piston ring and piston ring grooves	Piston ring (I)	0.02－0.044		0.07	
		Piston ring (II)	0.02－0.044		0.07	
	Gap of piston ring opening	Piston ring (I)	0.15－0.30		0.45	
		Piston ring (II)	0.10－0.25		0.45	
		Oil ring	0.2－0.7		0.9	
	Installation direction of piston ring		Mark upward		—	
Cylinder	Interior diameter		52.4－52.419	58－58.019	52.449	58.049
	Deformation on the top		—		0.05	
	Roundness		—		—	
	Cylindricity		—		0.05	

Front wheel

Item			Standard	Operation limit
Front wheel	Front wheel axis bend		—	0.2mm
	Rim runout	Longitudinal	0.8mm	2.0mm
		Transverse	0.8mm	2.0mm
	Tyre	Remnant groove	—	1.6mm
		Air pressure	200kPa(2.0kgf/cm^2)	—

Rear wheel

Item			Standard	Operation limit
Rear wheel	Rim runout	Longitudinal	0.8mm	2.0mm
		Transverse	0.8mm	2.0mm
	Tyre	Remnant groove	—	1.6mm
		Air pressure	225kPa(2.25kgf/cm^2)	—

Brake system

Item		Standard	Operation limit
Front brake	Gap of brake handlebar	10－20mm	—
	Thickness of brake disc	4mm	3mm
Back brake	Gap of brake handlebar	10－20mm	—
	Thickness of brake disc	4mm	3mm

Battery，charging device

Item			Standard
AC magneto	Type		Permanent-Magnetic AC
	Output		3-phrase AC
	Resistance of charge coil (20℃)		0.2 -0.3Ω
Model of rectifier			3-phrase loop rectification, silicon control voltage-stabilizing in parallel
Battery	Capacity		12V7Ah
	Voltage between terminals	Full charge	12.8V
		Undercharge	Below 11.8V
	Charging current/period	Standard	0.7A× 5～10h
		Fast	3.0A× 1h

Ignition device

Item		Standard
Ignition mode		ECU control unit ignition mode
Spark plug	Type	NGK
	Standard	DPR7EA-9
	Selection	
	Gap of spark plug	0.8－1.0mm
Ignition period	Max. advance angle	43° BTDC
Peak voltage	Ignition coil	≥ 150V
	Pulser	≥ 0.8V

Light, instrument, switch, trigger coil

Item		Standard
Fuse	Main	20A
	Auxiliary	10A× 2　　5A× 2
Light, bulb	Headlamp (Hi/Lo)	12V-35/35W
	Brake light/Taillight	12V-21/5W
	Turning indicator	12V-10W× 4
	Lamp for speedometer	12V-1.7W× 3
	Turning indicator light	3.4W-12V× 2
	Indicator light for high beam	3.4W-12V× 1
	Indicator light for P gear	3.4W-12V× 1
	Error indicator light	1.7W-12V

Fastening torque

Category	Torque N· m (kgf· m)	Category	Torque N· m (kgf· m)
5mm Bolt, nut	5 (0.5)	5mm Screw	4 (0.4)
6mm Bolt, nut	10 (1.0)	6mm Screw	9 (0.9)
8mm Bolt, nut	22 (2.2)	6mmSH Bolt with flange	10 (1.0)
10mm Bolt, nut	34 (3.5)	6mm Bolt with flange, nut	12 (1.2)
12mm Bolt, nut	54 (5.5)	8mm Bolt with flange, nut	26 (2.7)
		10mm Bolt with flange, nut	39 (4.0)

The places which are not recorded in the following table shall be tightened according to standard torque.

Cautions: 1. The screw thread, combination surface shall be applied with engine oil

2. The self-lock bolt shall be renewed upon disassembly

Category	Quantity	Diameter of screw thread (mm)	Torque N.m (kgf.m)	Remark
Spot test, adjustment				
Test of engine oil in reduction box/discharging plug screw	1	8	22 (2.2)	
Cover of engine oil filtering screen	1	36×1.5	20 (2.0)	
Oil discharging bolt	1	12×1.5	25 (2.5)	
Spark plug	1	12×1.5	12 (1.2)	
Lubricating device				
Mounting bolt of oil pump and body	2	6	10 (1.0)	
Screws for cover plate of oil pump	1	3	2 (0.2)	
Cooling device				
Draining bolt	1	6	8(0.8)	
Water temperature sensor	1	12	12(1.2)	
Impeller of water pump	1	7	10(1.0)	
Hood for cylinder cover, cylinder cover				
Bolts of cylinder cover hood	2	6	10(1.0)	
Double-head bolt for cylinder	Short 2	8	30(3.0)	
	Long 2		30(3.0)	
Bolts for timing chain wheel	2	5	9(0.9)	
Bolts of tensioner spring seat	1	8×1	10(1.0)	
Pin shaft with screw thread for tensioning plate	1	8	13(1.3)	
Belt infinitely variable speeds mechanism				
Bolts for left cover	5	6	10(1.0)	
Nuts of speed changer	1	14	59(6.0)	
Nuts special for clutch	1	28	59(6.0)	
Clutch nuts	1	12	53(5.3)	
AC magneto				
Nuts for AC magneto	1	14	59(6)	
Bolts for case flange	8	6	12(1.2)	
Internal hexagonal bolt overrun clutch	3	6	15(1.5)	

Vehicle

Category	Quantity	Diameter of screw thread (mm)	Fastening torque N.m (kgf.m)	Remark
Disassembly and assembly of engine				
Mounting bolts for engine hanger	2	10	55(5.6)	
Nuts for engine hanger shaft	1	10	55(5.6)	
Front wheel, front suspension, steering gear				
Steering column locknut	1	23	68(7.0)	
Nuts for assembling steering handle	1	10	55(5.6)	
Nuts of front wheel shaft	1	12	80(8.1)	
Upper Mounting bolts on shock absorber	4	8	40(4.1)	
Rear wheel, back suspension				
Nuts of rear wheel shaft	1	16	140(14.3)	
Upper Mounting bolts on shock absorber	2	10	55(5.6)	
Lower Mounting bolts on shock absorber	2	8	30(3.1)	
Mounting bolts of back fork	2	10	55(5.6)	
Braking device				
Mounting bolts of front brake disc	5	6	12(1.2)	
Mounting screws of rear brake disc	4	8	26(2.7)	
Mounting bolts of front brake clamp	2	8	30(3.1)	
Mounting bolts of rear brake clamp	2	8	30(3.1)	
Muffler				
Mounting nuts of muffler joint	2	8	26(2.7)	
Mounting bolts of muffler shell	3	10	55(5.6)	
Oxygen sensor	1	18	60(6)	
Others				
Taillight /Screw group for stoplight	2	4.2	1.8(0.18)	

Special tools

Tool name	Tool number	Operation place
Cylinder cover group and valve		
Assembling clamp for valve	1P52MI-A-922-020000	Disassembly of gas distribution system
Valve pipe reamer 5mm	152MI-234-022300-34B	Repair, cleaning of valve guide
Milling cutter for valve seat		Modification of valve seat
Valve line countersink Drill 27mm (45° IN)	152MI-236-022301-27	
Valve line countersink Drill 27mm (45° EX)	152MI-236-022301-27	
Belt infinitely variable speeds mechanism		
Universal stand	1P52MI-A-922-040000	D/A of nuts for drive grooved wheel D/A of nuts for clutch cover
Compression tools for clutch spring	152MI-922-070000	D/A of nuts for driven grooved wheel
Reducing mechanism		
Pressure assembly of main shaft	152MI-921-070000	Main shaft pressed into
Rolling bearing 6202	1P39MB-921-110001	Counter shaft bearing pressed into
Rolling bearing 6201	1P39MB-921-080001	
Disassembly tools group for disassembling bearings	1P52MI-A-922-050000 1P52MI-A-922-060000 1P52MI-A-922-080000	Disassembly of bearing
Rolling bearing22X50X14	172MM-921-030000	Installation of main bearing
Rolling bearing 6301	1P52MI-A-921-020000	
Rolling bearing 6004	1P52MI-A-921-010000	Installation of output shaft bearing
Rolling bearing 6205	1P52MI-A-921-030000	
AC magneto/starting motor		
Flywheel puller	152MI-922-030000	Disassembly of stator
Front wheel, front suspension, steering gear		
Shaft of bearing disassembling tools	519-922-070001	Disassembly of wheel bearing
Head of bearing disassembling tools 12mm	519-922-070002	
Handlebar A of pressing tool	519-922-070003	Installation of wheel bearing
Outer cover of pressing tool 28×32	519-922-070004	
Guide tools 12mm	519-922-070005	
Spanner for locknut	519-922-050001	D/A of steering column locknut
Adjusting spanner for steering column bearing	519-922-050002	Disassembly of bearing adjusting nuts
Tool group for bearing disassembly	519-922-050000	Disassembly of outer ring of steering
Rotor puller	519-922-050010	column bearing
Shaft of disassembling tools	519-922-050003	
Heavy hammer of disassembling tools	519-922-050004	
* Installation tool A for the bearing race of steering column 27× 40mm	519-922-050005	
Shaft of assembling tools	519-922-050006	Installation of upper bearing ring
Installation tools B for the bearing race of steering column 30× 50mm	519-922-050007	Installation of lower bearing ring
Shaft of assembling tools	519-922-050008	Installation of plough inner ring
Cover for front fork of pressing tools	519-922-050009	
Charging and ignition device		
Peak voltage stabilizer	519-922-150000	Peak voltage mensuration

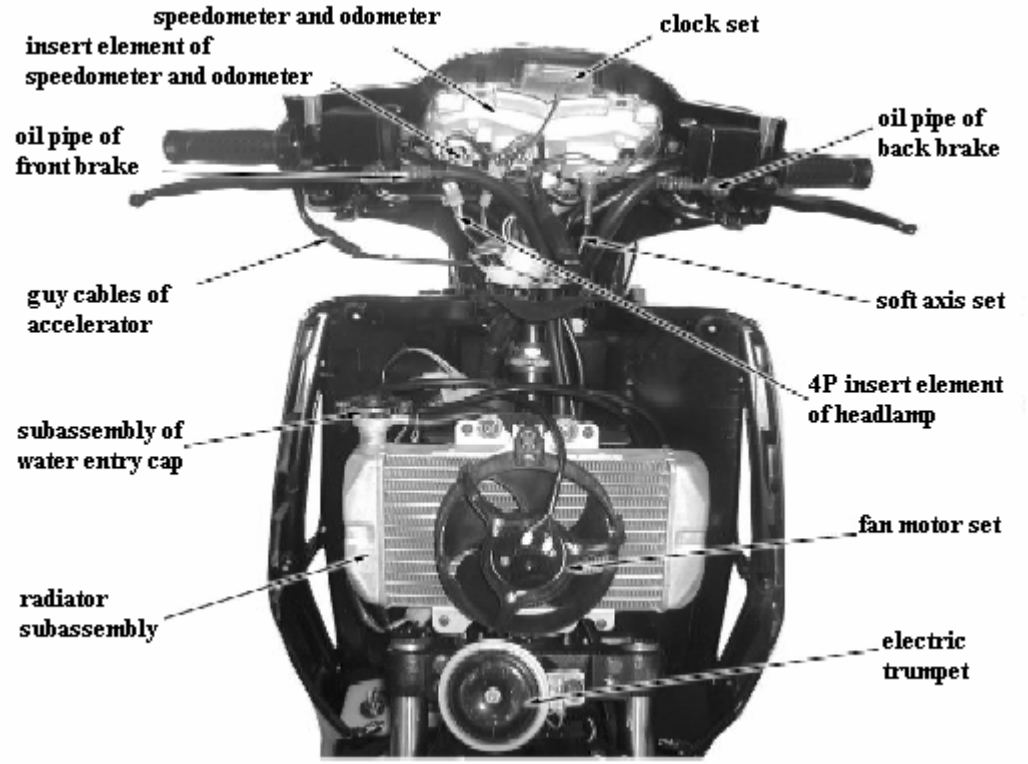
D/A indicates **Disassembly and assembly**

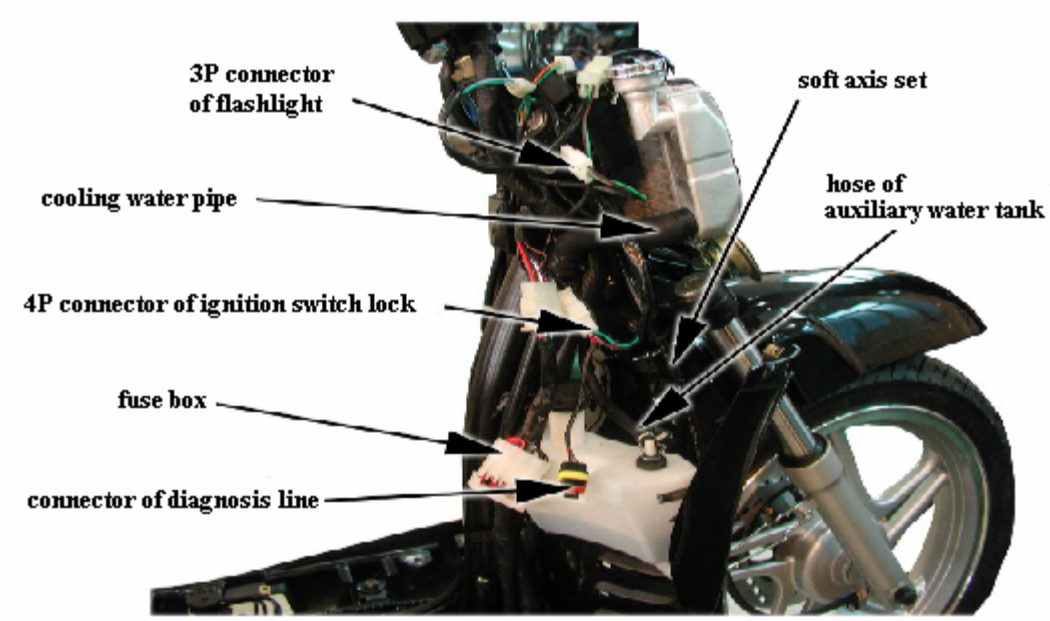
Lubricating grease，Sealant

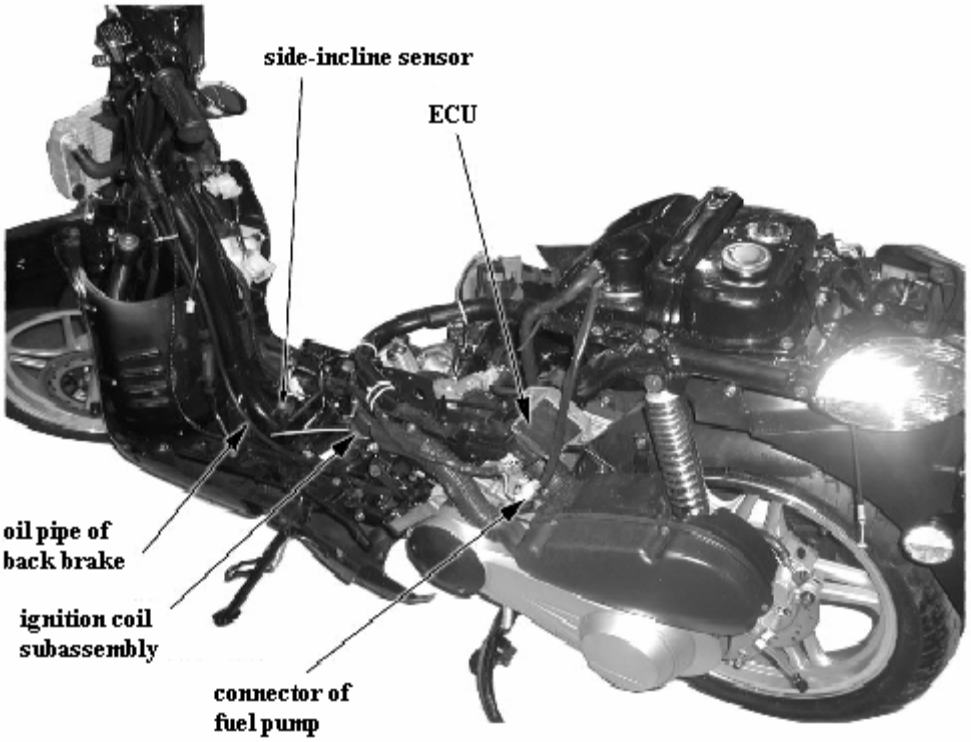
Application place	Cautions	Grease
Internal circumferential surface of cylinder liner Joint conical surface for installing the AC magneto rotor Bearing and side at the big end of the connecting rod Inner face of small end of the connecting rod Rotating surface of the main bearing for Crank Tooth surface of the timing chain wheel for Crank Tooth surface of the drive gear for oil pump External circumferential surface of piston pin Piston ring groove External circumferential surface of piston pin Full circumferential surface of piston ring Rotating surface of camshaft bearing Tooth surface of timing chain wheel Surface of valve rocker shaft Tooth surface of oil pump chain wheel Oil pump group Screw thread part and combination surface of drive wheel nuts Each lip of oil seal, pressed into external circumferential surface Reduction gear, tooth surface of gear shaft, bearing part Cam profile surface or full circumferential surface of camshaft Inner hole surface of valve rocker shaft Valve stem (guide running surface)		Exclusively for 4-stroke motorcycle SAE specification: 10W-40 API category: engine oil with grade SE or SF
Screw thread part of water temperature sensor Screw thread part of Mounting screw for timing chain wheel		Screw thread fastening emulsion
Ball bearing of driven wheel (6901UU) Needle bearing of driven wheel Running surface of movable driven grooved wheel	5.0-5.5g (shall not be attached on the running surface of drive belt)	Multi-purpose lubricating grease
Sealing surfaces of all O-rings Fastening bolts for cylinder body	Shall not be applied to the pointed places	Sealant

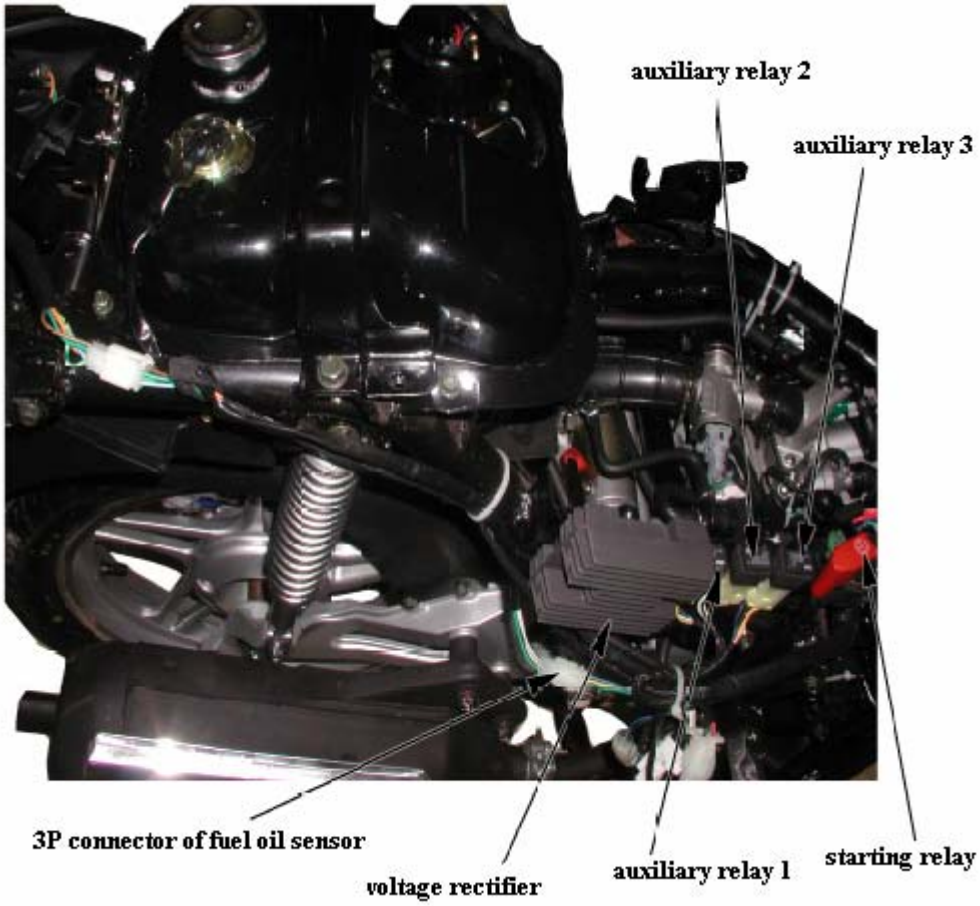
Application place	Cautions	Grease
Ball race of head tube Lip of front wheel dustproof oil seal Joints of both ends of instrument soft shaft Joints of accelerator guy cable Handlebar of accelerator Rotating part of left and back footstep Rotating part of right and back footstep Rotating part of side support Lip of rear fork oil seal Counter gear/tooth face of pinion Moving part Shaft part of main support		Multi-purpose lubricating grease
Lip of dustproof seal under front shock absorber		#5 oil for shock absorber
Internal circumferential surface of steering handlebar		Engine oil

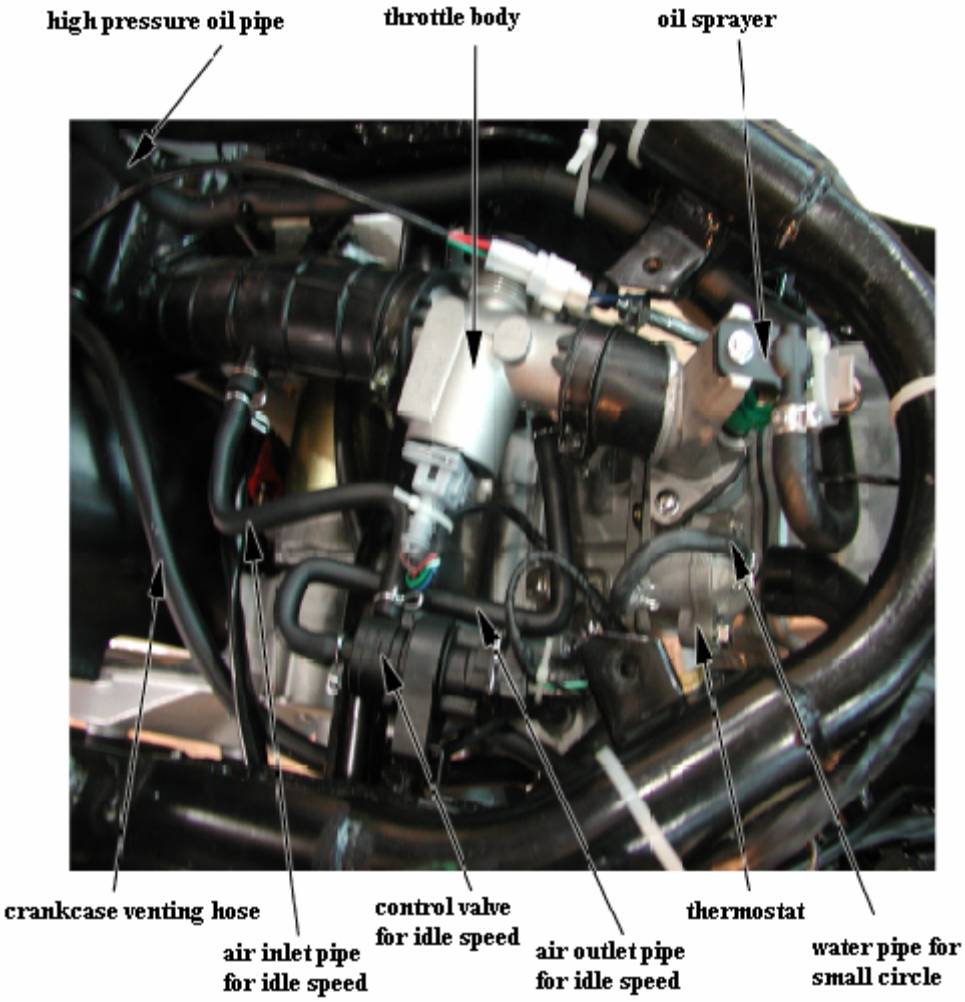
Wiring diagram of cables, pipes and guy cables




3P connector of flashlight
soft axis set
cooling water pipe
hose of auxiliary water tank
4P connector of ignition switch lock
fuse box
connector of diagnosis line


side-incline sensor
ECU
oil pipe of
back brake
ignition coil
subassembly
connector of
fuel pump

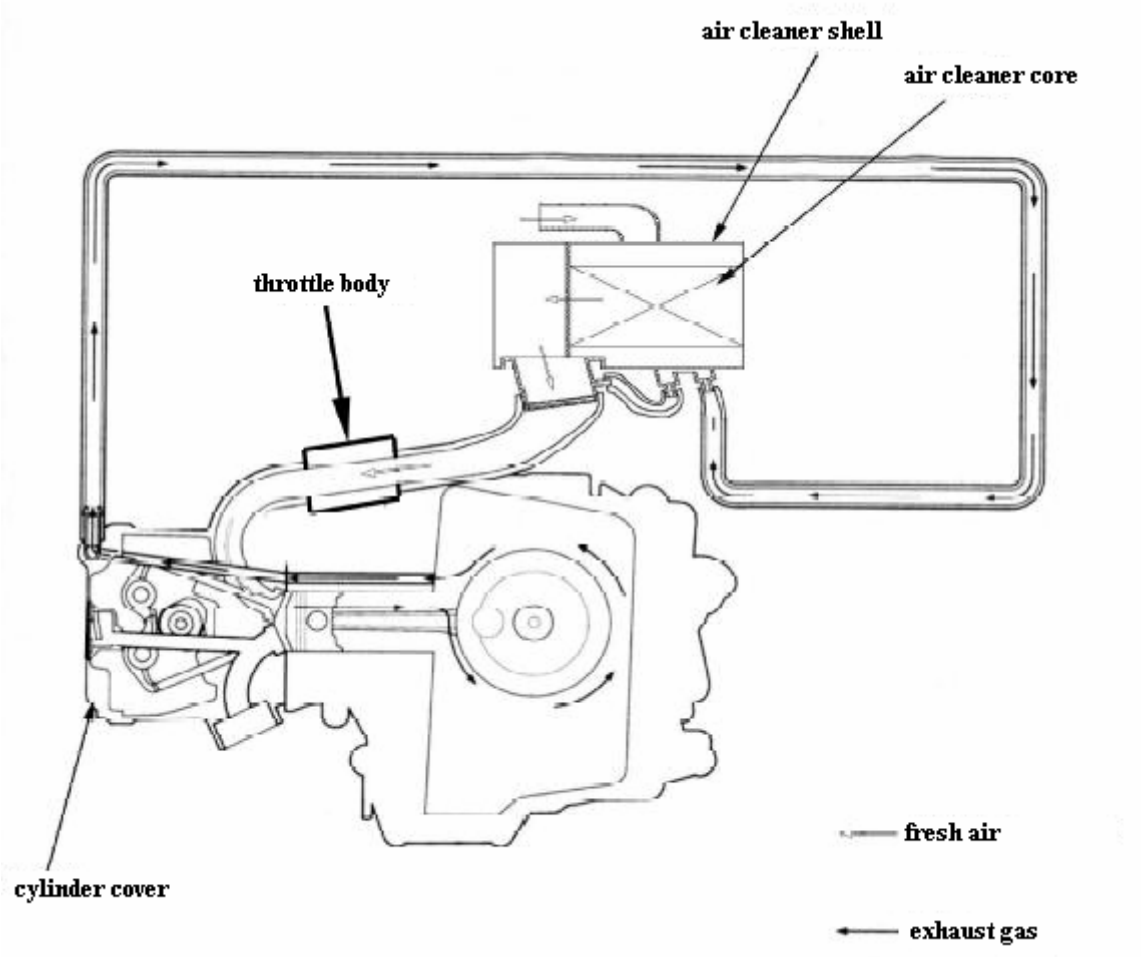

auxiliary relay 2
auxiliary relay 3
3P connector of fuel oil sensor
voltage rectifier
auxiliary relay 1
starting relay


high pressure oil pipe
throttle body
oil sprayer
crankcase venting hose
air inlet pipe for idle speed
control valve for idle speed
air outlet pipe for idle speed
thermostat
water pipe for small circle

Pervasion prevention device for poisonous gas etc

Waste gas reduction device

This device makes the hazardous waste gas from the crankcase to be filtered by air cleaner, and enter in the firebox through carburetor for burning, thus prevents the air pollution caused by direct discharge of poisonous gas from the engine.



Maintenance information

Notes during operation

Cautions

No smoking or naked fire is allowed at the operation site, for the gasoline is combustible. Not only flames, but also electric sparks shall be avoided. Besides, the vapored gasoline is explosive, please operate it in the place with nice ventilation.
The muffler should be assembled or disassembled after cooling.

- In this chapter, the assembly and disassembly operation for the outer parts, the vent-pipe and the muffler will be explained.
- The pipelines, the guy cables, etc should pass through the correct place according to the wiring diagram of cables, pipelines, guy cables, etc.
- During assembling and disassembling the muffler, the shim should be changed new.
- After the muffler has been assembled, check whether there is the phenomenon of air leakage.

Fastening torque

Screws for taillight/stoplight	1.8N·m (0.18kgf·m)
Screws for rear turning indicator housing	1.8N·m (0.18kgf·m)
Screws for rear taillight housing	1.8N·m (0.18kgf·m)

Error diagnosis

The noise from exhaust is big.

- The muffler has been broken and damaged.
- Air leakage

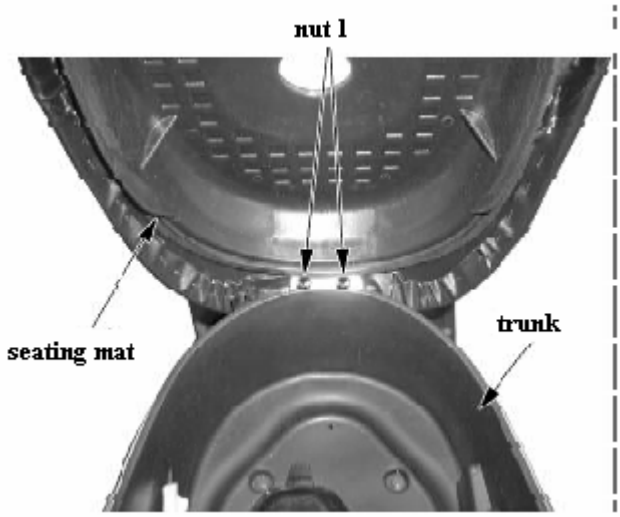
Lack of air

- The muffler is deformed.
- Air leakage
- The muffler is choked.

Seating mat

Disassembly

Open the lock of seating mat by the key of ignition switch, and then remove two nuts 1 shown in the drawing.
Get the seating mat off.



Assembly

Make assembling in the reverse sequences of disassembling

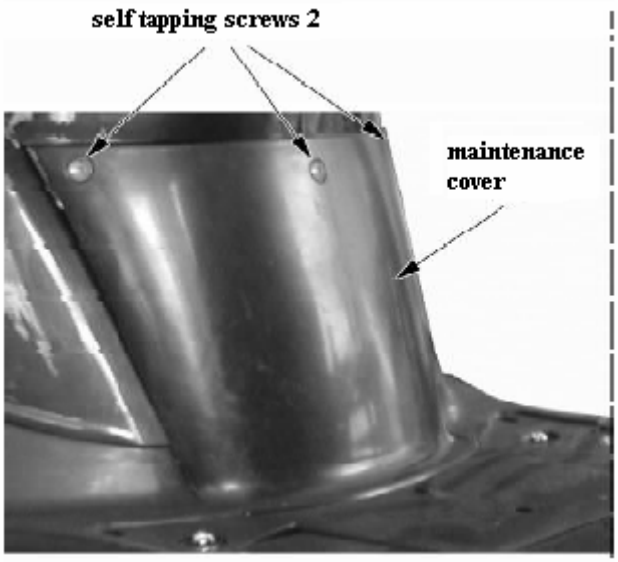
Cautions

After the seating mat has been assembled, shake up and down, rear and forth to confirm whether there is deviation.

Maintenance cover

Disassembly

Get the rubber of foot board off, and remove the three self tapping screws 2 shown in the drawing,
then disassemble the maintenance cover.



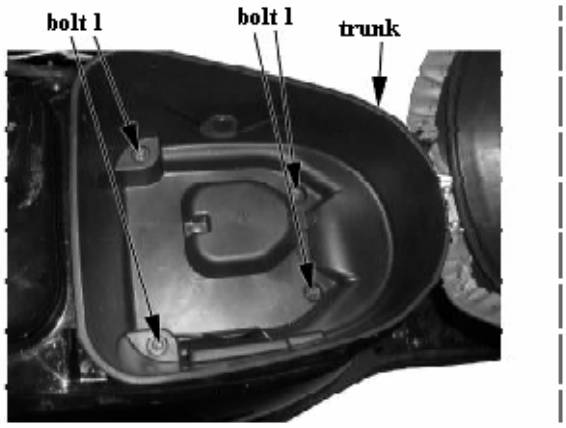
Assembly

Make assembling in the reverse sequences of disassembling

Trunk

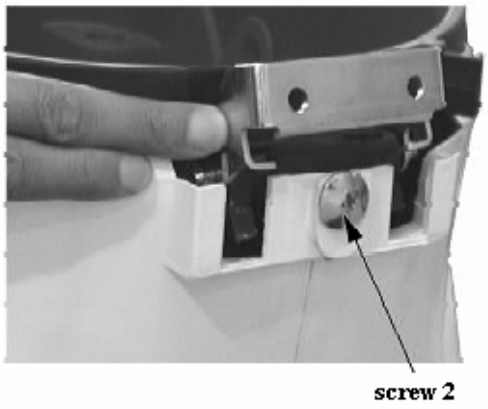
Disassembly

Disassemble the seating mat (→ 2 - 2),
Remove the bolts 1 shown in the drawing,
Remove the screw 2 shown in the drawing,
Disassemble the trunk.



Assembly

Make assembling in the reverse sequences of disassembling

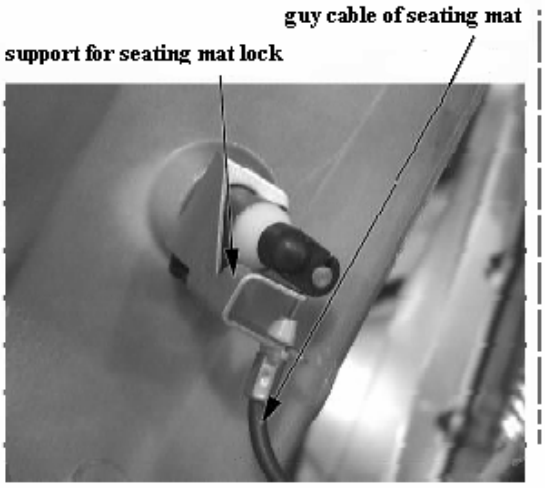


Lock seat of seating mat

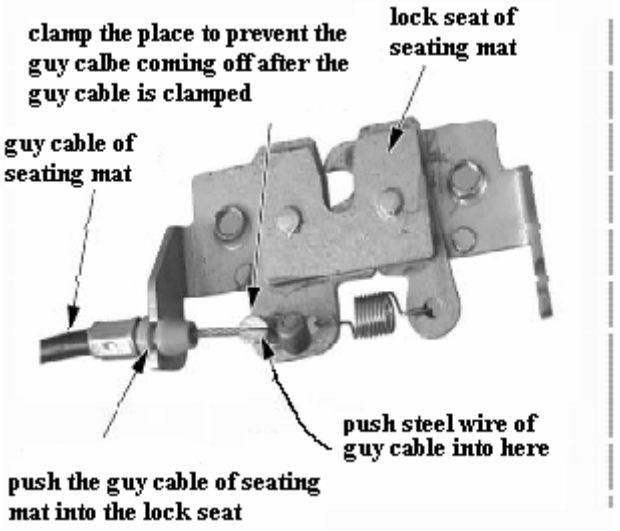
Disassembly

Disassemble the rear shelf (→2-4),
Disassemble the rear connecting board (→2-5)
Disassemble the left guard board (→2-5),
Disassemble the right guard board (→2-5),
Disassemble the theftproof support for seating mat lock,
Disassemble two bolts 3 by the open spanner,

Disassemble the guy cable of seating mat from the support for seating mat lock,
Get the lock seat of seating mat off,



Remove the guy cable of seating mat lock form the lock seat of seating mat.



Assembly

Make assembling in the reverse sequences of disassembling

Cautions

The guy cable of seating mat should be assembled according to the drawing.

Rear shelf

Disassembly

Open the seating mat by the key of ignition switch,
and disassemble three bolts 1,
then disassemble the Rear shelf.

Assembly

Make assembling in the reverse sequences of disassembling