

Replace bulbs of front and rear indicator lights

Rear indicator lights

Front indicator lights



The motorcycle is made of LED tail light and brake lights ,it is durable than usual lights,because of its special construction ,if you meet any exceptional problems,please do not fix it by yourself and contact your local our agent to deal with it .

Caution

When mounting lampshades, don't tighten fastening screws excessively; otherwise lampshades break.

Taillight and stoplight is replacing



①

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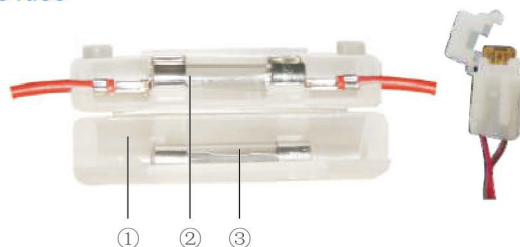
Caution

Bulbs and lights play important roles in vehicle safety. Therefore, you must pay attention to the operation in this respect. If you aren't familiar with this work or have no detail information given in this Manual, please have your distributor perform this work.

Notice

Prior to operation of any electrical component, you must turn it off to avoid short circuit. When replacing a bulb, you must comply with manufacturer's instruction to avoid injury and damage.

Cartridge fuse



- ① Cover of cartridge fuse
- ② Cartridge fuse
- ③ Standby cartridge fuse

Cartridge fuse is located outside storage battery, There's only one on main cable. There are two on vise cable(Yellow one is 5A; blue one is 15A). In the event of flameout or circuit disconnection, you must check cartridge fuse firstly.



Caution

Select cartridge fuse having correct rated current. No substitute is allowable, such as aluminum foil or iron wire etc. If cartridge fuse blows out in short time frequently, this indicates that malfunction exists in electrical system. In this case, you must contact your distributor for repair.

Use instruction for storage battery

1 New storage battery

1.1 Adding electrolyte

1.1.1 Check storage battery for appearance, crack and scratch on casing, bending and deformation on terminal.

1.1.2 Put battery on horizontal plane, tear down the sealing tape.

1.1.3 Take out the electrolyte, remove the sealing plug, invert the electrolyte, aim to the filling port, press hard and brake the thin film and start filling liquid.

1.1.4 After filling electrolyte, press back the sealing plug until the top of battery is flat, Clean the surface of batter with clear water and dry it with cloth.

1.1.5 After the battery is added with electrolyte, leave it 30min, then start engine. If possible, charge it in 3 ~ 5 hrs to have better starting performance and extend its service life. Before putting into use, charge the battery in 3 ~ 5 hrs after not having used it for a long time at low temperature or as from ex-factory

1.2 Installation

1.2.1 Firstly connect positive (+) pole (red mark), then negative (-) pole. Never connect poles incorrectly, otherwise this may damage regulated rectifier.

1.2.2 Tighten bolts, then coat grease or vaseline on bolts, nuts and terminals.

2 Use and maintenance

2.1 Each starting time cannot exceed 5s. If several startings fails in succession, check fuel supply system and starting and ignition system.

2.2 Following cases may cause insufficient discharge or charge to shorten service life.

- (1) Frequent starting; short driving distance.
- (2) Running at low speed for long time.
- (3) After actuating brake handle or brake pedal, brake indicator lights stably.
- (4) Electrical appliance or bulb beyond rated power.

2.3 In the case of difficult start-up, dimmish light or horn at low sound level, charge the battery immediately.

2.4 If you want to leave your motorcycle in non-service state for a long time, you'd better charge the battery prior to service stop, and then charge it monthly.

2.5 Charge

2.5.1 Only especially designed charger is available for storage battery in this motorcycle. Sealing plug can not be removed when battery is recharging, always ventilate the environment meanwhile no naked fire is allowable.

2.5.2 Charging method includes standard charging method and fast charging method. Unless there is an emergency, standard method is available as possible to extend service life of storage battery.

	Current	Time
Standard charging	0.7A	5-15 Hour
Fast charging:	3A	Not more than 30 min

2.5.3 During charging, if electrolyte's temperature exceeds 45°C, stop charging immediately. After cooling down, continue charging again. When bubbles occurs in the battery, finish charging. Press (tighten) hole plug, then clean the battery.

3 Precautions

3.1 When using and charging storage battery, explosive gas may form. Therefore, no battery approaches naked fire. In addition. Short-circuit and looseness at both poles must be avoided to prevent the battery from explosion.

3.2 Electrolyte contains strong acid. Therefore, it must avoid skin, eye and clothing. In the event of contact, wash affected part using large quantity of clean water. In case of accident ingestion, drink water or milk in large quantity; if necessary, go to see doctor.

3.3 Keep electrolyte in a place where children are inaccessible to.

3.4 In the case of guard against theft and alarm system, we recommend the system especially designed by our company, because other systems might cause malfunction of circuit system, even damage storage battery, igniter and regulated rectifier etc.





Caution

The replaced old batteries shall be reclaimed by Tayo authorized service centers or be disposed by recycle centers. The battery containing acidic liquid shall be vertically stored or shipped.

Troubleshooting

Troubleshooting

If engine cannot start up, please check following items

- (1) Check if side stand is on stop position.
- (2) Fuel level in the tank is correct.
- (3) Pull the high pressure tube out from spray cap, turn fuel tank switch to "  " position and turn ignition switch to "ON" position. then check if fuel flows out smoothly.
- (4) If fuel can enter spray cap is confirmed , check ignition system.
- (5) Fix spark plug on body, turn ignition switch to "ON"position, and set flameout switch to "  "position, then press start button. If ignition system is in normal condition, blue spark occurs between two poles of spark plug. If no spark occurs, please contact your distributor for repair.

Warning

No fuel flows on the ground; any fuel must be collected in a container. No fuel approaches engine and exhaust pipe at high temperature. This check may be performed as far from fire as possible. Meanwhile no fuel approaches fire or heat.

Don't fix spark plug close to cylinder head when performing the check, because vaporising fuel in the cylinder is ignited by spark probably to cause a fire.

To minimize possibility of electric shock, metal part of spark plug casing should attach to bared metal part of body. To avoid electric shock, a person suffering heart disease or wearing cardiac frequency modulator is forbidden from doing this work.

Low output power from engine

- (1) Check fuel supply system of fuel tank.
- (2) Check ignition time of ignition system.
- (3) Check idle speed of engine.



Caution

Prior to troubleshooting, consult your distributor for solution.

Specification table

Dimension and weight			
Length		1928mm	
Width		766mm	
Height		1080mm	
Wheelbase		1310 mm	
Ground clearance		170mm	
Integrated mass		130kg	
Mass load (including passenger)		150kg	
Driving system			
Turning diameter		3.2m	
Front tire	3.0-17 200kpa	100/80-17 200kpa	90/90-17 200kpa
Rear tire		130/70-17	225kpa
Engine and transmission device system			
Type	Single cylinder, Wind cooling and Four stroke		
Stroke		49.5 mm	
Cylinder diameter		56.5 mm	
Discharge capacity		124 mL	
Compression ratio		9.6:1	
Starter mode		Electric / Kick	
Lubrication mode		Pressure and splash	
Clutch		Grade retard clutch	
Transmission		International 5-gears	
	1st shift	3.083	
Gear ratio	2nd shift	1.882	
	3rd shift	1.400	
	4th shift	1.174	
	5th shift	0.960	

Main performance index

Fuel consumption at economic speed	≤2.4L/100km
Max speed	≥90km/h
Climbing capacity	≥20°
Braking distance	≤7m(V=30km/h)
Initial vertical gradient at dipped beam	1° ~ -1.5°

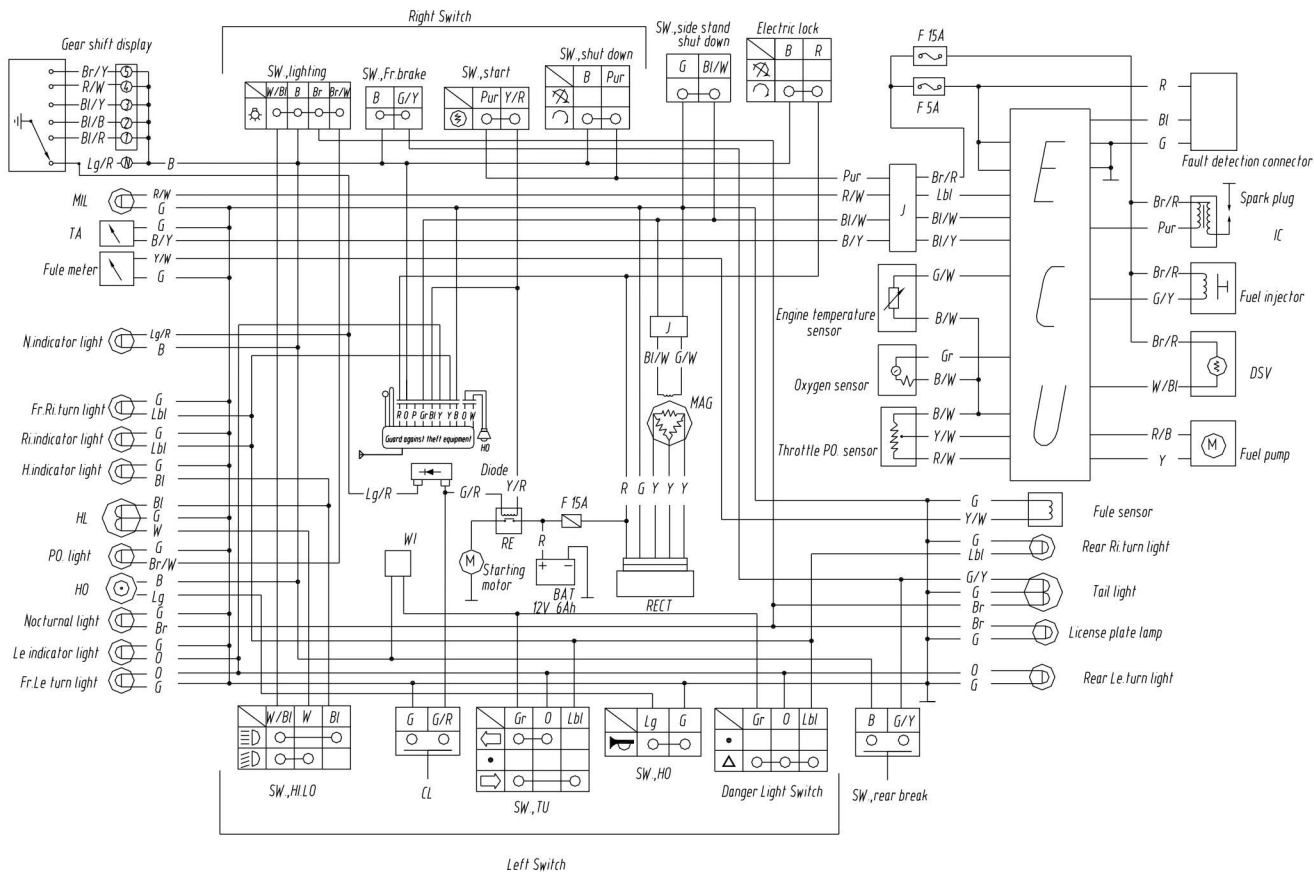
Capacity

Fuel tank (total capacity)	20 L
Spare capacity	3.5 L
Engine oil capacity	1000 mL

Electrical system

Ignition mode	CDI
Spark plug model	CPR6E
Battery	12V 6 Ah
Fuse size	15A, 5A
Front light size	12V, 35W
Position light size	12V, 2.16W
Tail / brake light size	12V, 0.26/2.76 W
Indicator lights	12V, 1W

Circuit diagram



Abbreviation Form

Lead color	Letter symbol	Lead color	Letter symbol	Lead color	Letter symbol
Red	R	Light blue	Lbl	Green with red	G/R
Yellow	Y	Orange	O	Black with white	B/W
Blue	Bl	Light green	Lg	Blue with white	Bl/W
White	W	Pink	P	Brwon with White	Br/W
Brwon	Br	Gray	Gr	Yellow with White	Y/W
Black	B	Yellow with black	Y/B	Light green with red	Lg/R
Green	G	Yellow with green	Y/G	Yellow with red	Y/R

Name	Letter symbol	Name	Letter symbol	Name	Letter symbol
High	HI	Battery	BAT	Switch	SW
Low	LO	Fuse	F	Button switch	BS
Tail light	TL	Tachometer	TA	position	PO
Signal light	SL	Magneto	MAG	Neutral	N
Wink	WI	Clutch	CL	Ignition	IG
Horn	HO	Ignition coil	IC	idling solenoid valve	DSV
Rectifier	RECT	Relay	RE	Headlight	HL