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- **Service Information**

- **General**



The Halogen headlamp bulb is extremely hot when illuminating. Allow time for it to cool down after turning it off. Do not touch it before cooling down.

- If you touch the Halogen headlamp bulb with your bare hands or dirty gloves, clean it with a cloth moistened with alcohol. Oil/dirt on the bulb surface may cause distortion as a “hot spot”, which result in failure.
 - Do not replace the bulb while it is illuminating or it is still hot.
 - Wear clean gloves when touching the bulb.
 - Firmly set the dust cover after replacing the bulb.
- Switch continuity checks can be done without removing them.
- Check the battery status first when servicing any item involving the use of the battery.

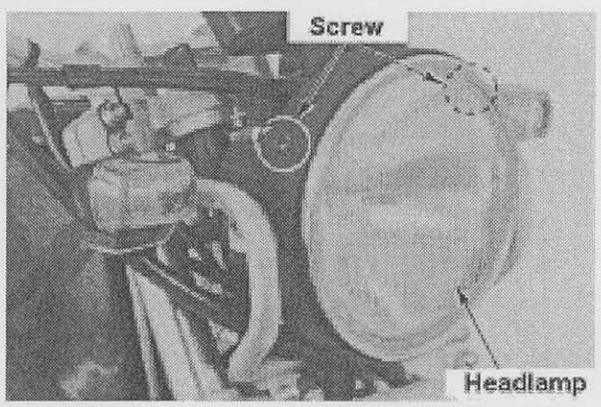
- **Specification**

	Item	Standard
Fuses	Main	20A
	Sub	15A
Lamps Bulbs	Headlamp Hi/Lo	12V - 60/55 W
	Tail / Brake lamp	12V - 5/21 W
	Turn signal	12V - 15 W
	Instrument illumination lamp	12 V - 1.7 W
	Turn signal indicator	12 V - 1.7 W
	Neutral indicator	12 V - 1.7 W
	High beam indicator	12 V - 1.7 W

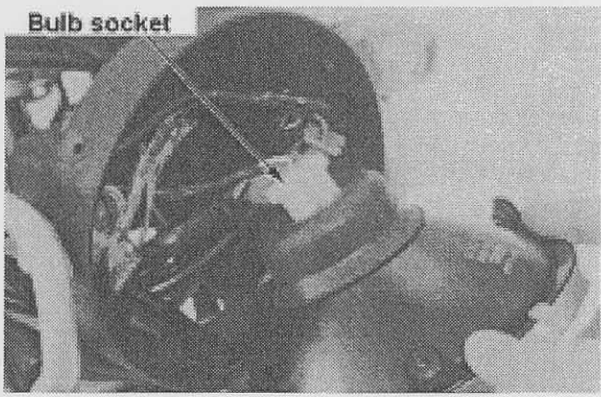
- Headlamp
- Bulb replacement



The Halogen lamp gets extremely hot when illuminated. Service after cooling it down. Do not touch with bare hands.



Unscrew to remove the headlamp.



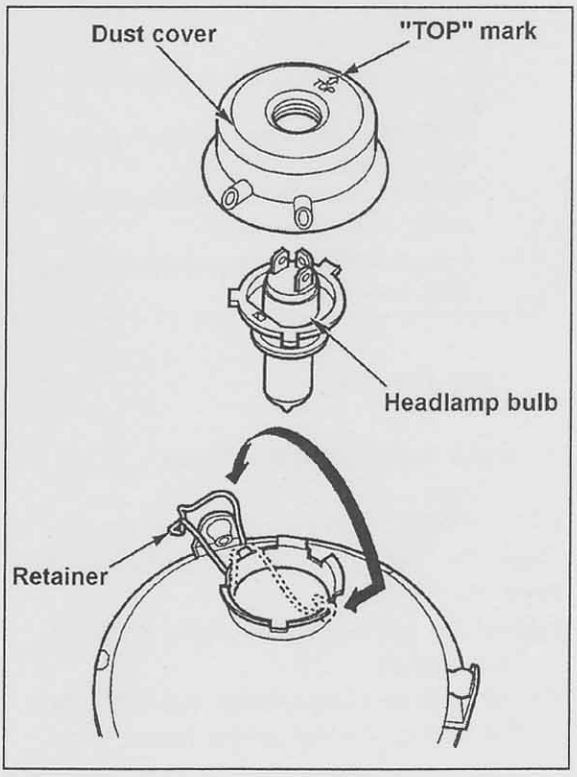
Disconnect the valve socket.

Remove a dust cover.

Remove a retainer to replace the headlamp bulb.



Wear clean gloves when handling the bulb. Contaminated bulb surface may cause failure. Clean the contaminated surface with alcohol soaked cloth.

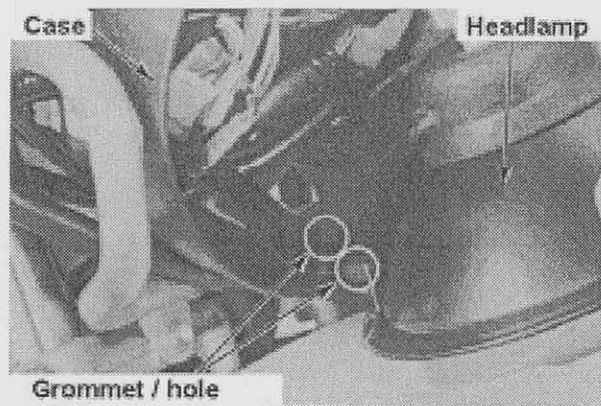


Face the TOP mark upwards and firmly attach the dust cover to the headlamp.

Follow the removal procedure in reverse order for the installation of the headlamp.

Notes

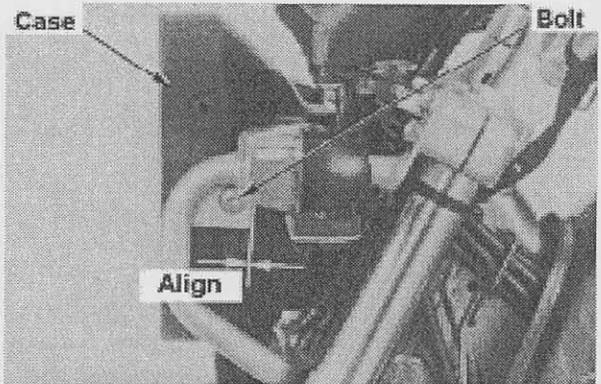
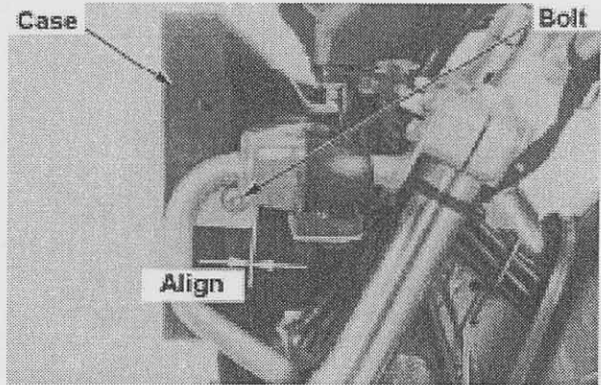
Set the grommet of the headlamp to the hole on the case.



Headlamp case removal/installation

Remove a headlamp (see previous page). Unscrew two bolts to remove the headlamp case.

Follow the above procedure in reverse order to install.



Notes

- Align the lamp stay and the boss on the case when installing.
- Refer to (1-21) for routing the harness in the headlamp case.
- Adjust the headlamp beam direction after installation.

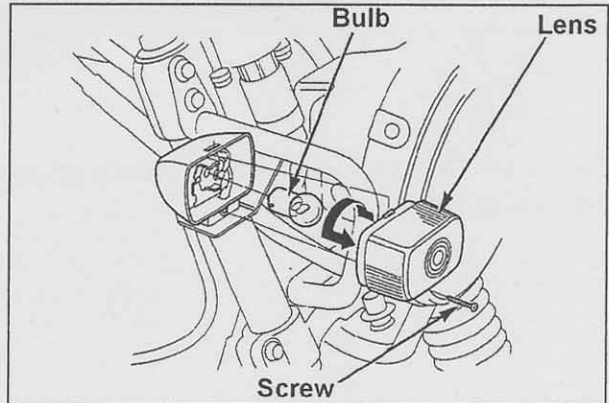
Turn Signals

Bulb replacement - Front

Unscrew to remove turn signal lenses. Push the bulb and turn anti clockwise to remove.

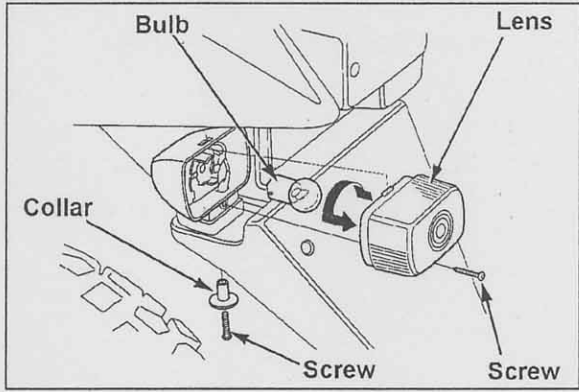
Follow the above procedure in reverse order to install.

When installing the lenses, set the catch on the lens to the slit on the case.



- **Rear**

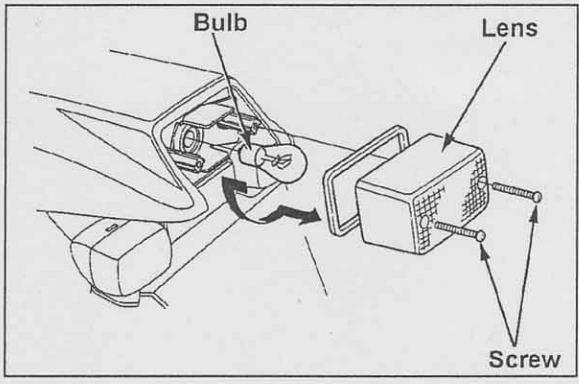
Unscrew and remove a collar to tilt the turn signal case.
Unscrew to remove the lens.
Push the bulb and turn it anti clockwise to remove.
Follow the above procedure in reverse order when installing.
Set the catch on the lens to the slit on the case to install.



- **Brake / Tail lamp**

- **Bulb replacement**

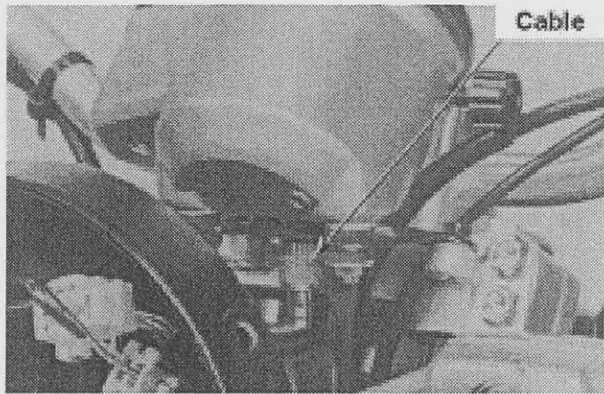
Unscrew to remove a brake/tail lamp lens.
Push the bulb in and turn it anti clockwise to remove.
Follow the above procedure in reverse order to install.



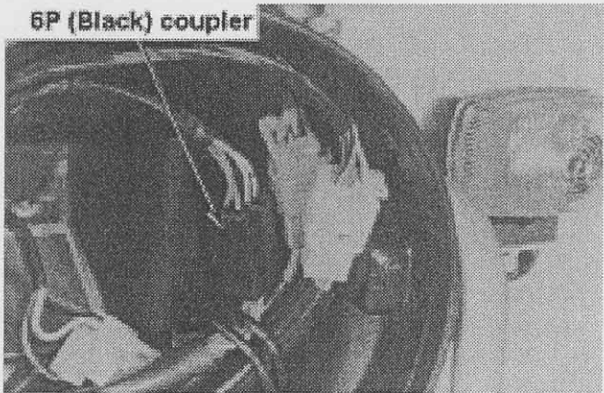
- **Instrument**

- **Removal**

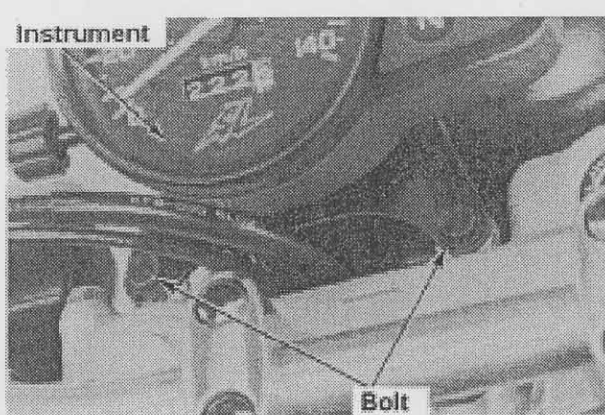
Disconnect the speedometer cable.



Remove the headlamp and disconnect an instrument 6P (black) coupler.

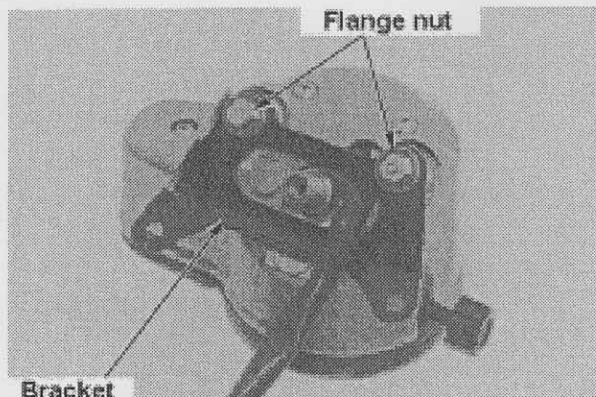


Unscrew instrument mount bolts to remove the speedometer from a top bridge.

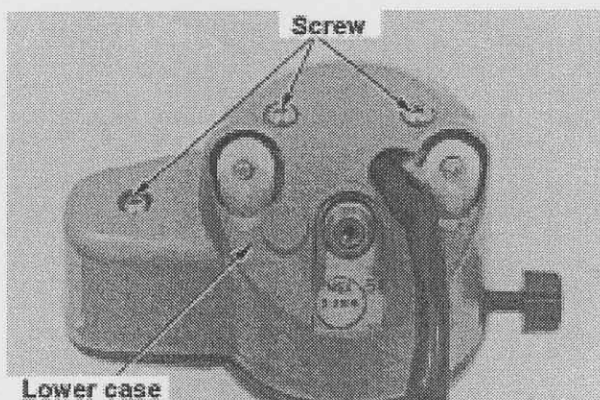


- **Removal**

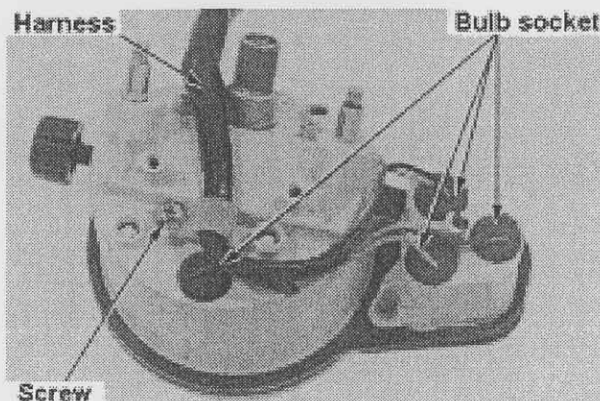
Unscrew flange nuts to remove the bracket.



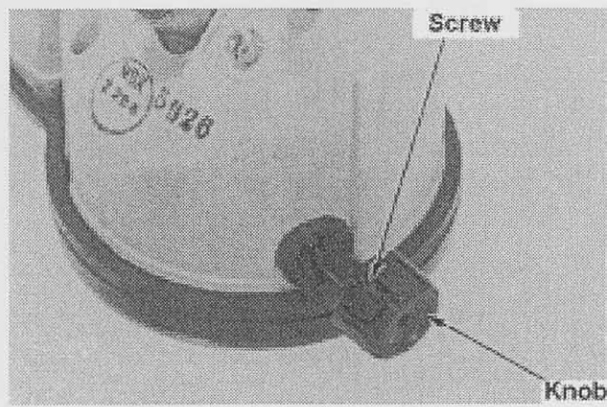
Unscrew to remove an instrument lower case.



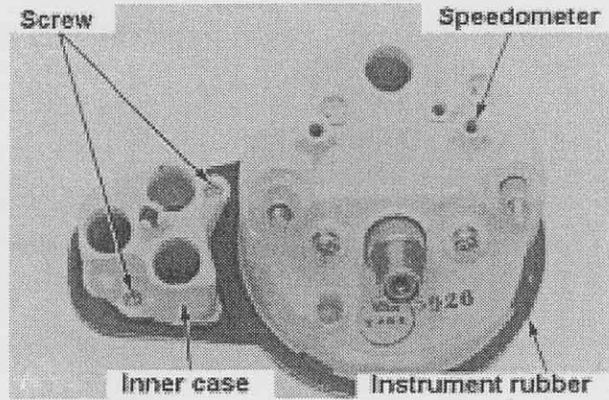
Disconnect instrument illumination bulb sockets and indicator bulb sockets from the speedometer.



Unscrew to remove a trip meter knob.

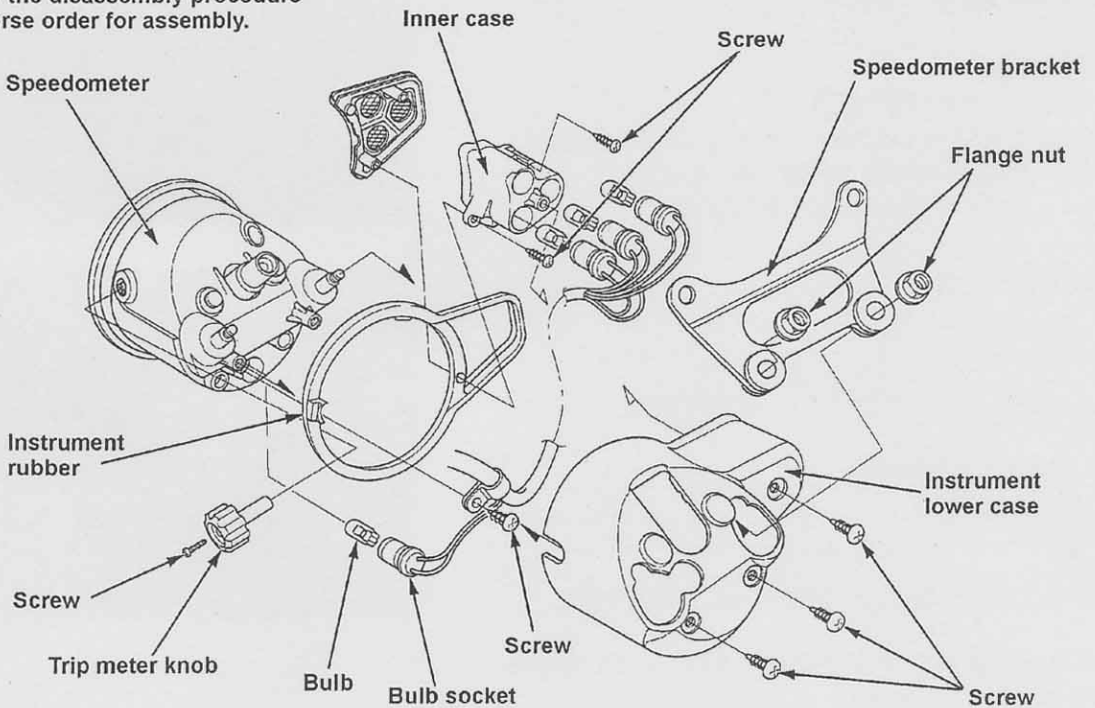


Unscrew to remove the inner case.
Remove an instrument rubber and remove the speedometer.



• Assembly

Follow the disassembly procedure in reverse order for assembly.



- **Ignition Switch**

- **Inspection**

Remove a headlamp (17-2).
 Disconnect an ignition switch 2P (green) coupler.
 Conduct the following continuity test on the ignition switch end of the coupler.

	BAT 1	BAT 2
ON	O ——— O	O ——— O
OFF		
LOCK		
Colour	Red	Red/Black

Replace the ignition switch if the above test result was faulty.

- **Removal / Installation**

Remove a headlamp case (17-3).
 Disconnect an ignition switch 2P coupler (green).
 Unscrew ignition switch mount bolts to remove the ignition switch.

Follow the above procedure in reverse order to install.

- **Handlebar Switch**

- **Inspection**

Remove a headlamp (17-2).
 Disconnect the following couplers/connectors.

- Right handle switch 6P coupler
- Left handle switch 9P coupler

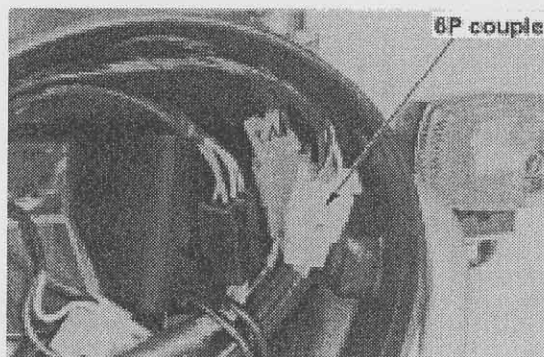
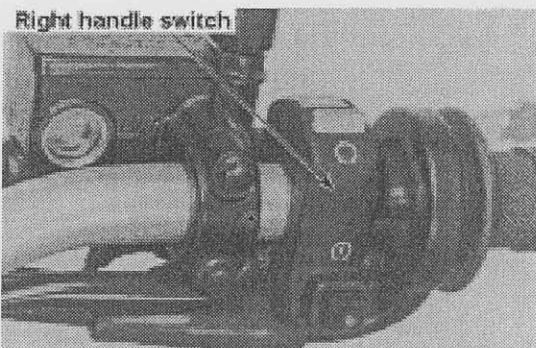
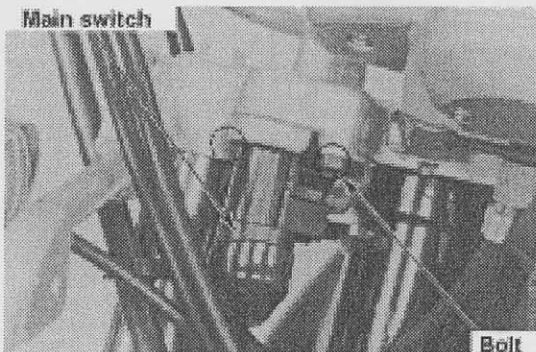
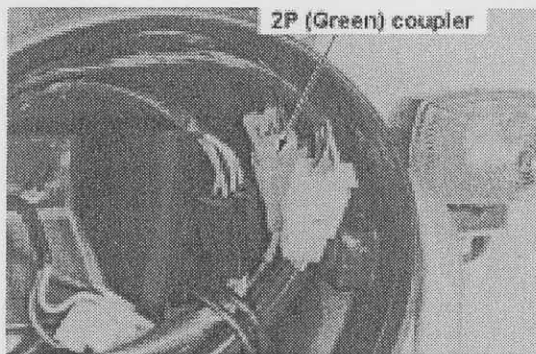
- **Kill Switch**

	BAT 4	IG
OFF		
ON	O ——— O	O ——— O
Colour	Red/Black	Black/White

- **Starter Switch**

	BAT 3	ST	H/L
FREE	O ——— O		O ——— O
PUSH	O ——— O	O ——— O	
Colour	Black/Brown	Yellow/Red	Blue/White

Replace the right handlebar switch if the above test result was faulty.



- **Horn Switch**

	HO	BAT 5
FREE		
PUSH	○ — ○	○ — ○
Colour	Light Green	Black/Brown

- **Dimmer Switch**

	W	R	L
L	○ — ○		○
(N)			
R	○ — ○	○	
Colour	Grey	Light Blue	Amber

Replace the left handlebar switch if the above test result was faulty (11-3).

- **Brake lamp switch**

- **Front**

Disconnect a front brake lamp switch connector.

Check there is continuity when the front brake lever is held.

Check there is no continuity when the front brake lever is released.

Replace the front brake lamp switch if the test result was faulty.

- **Rear**

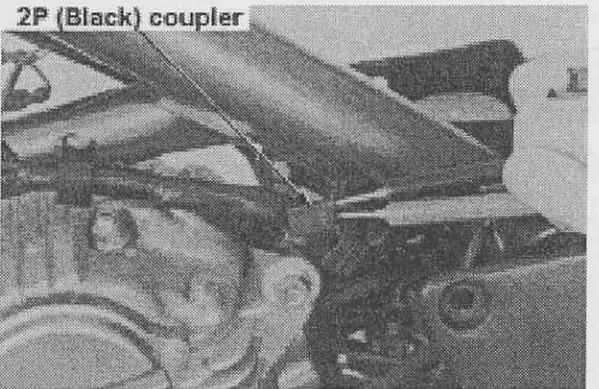
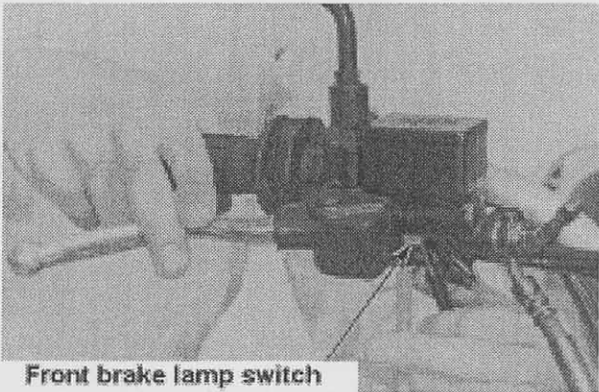
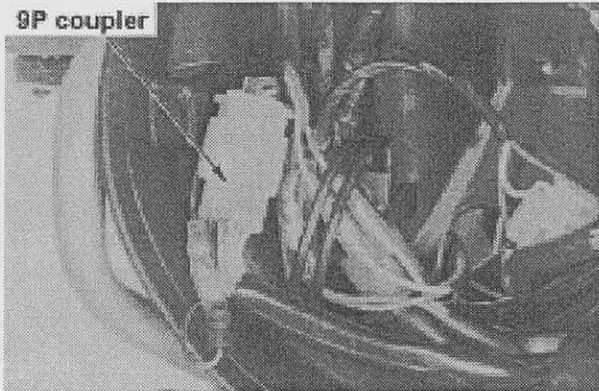
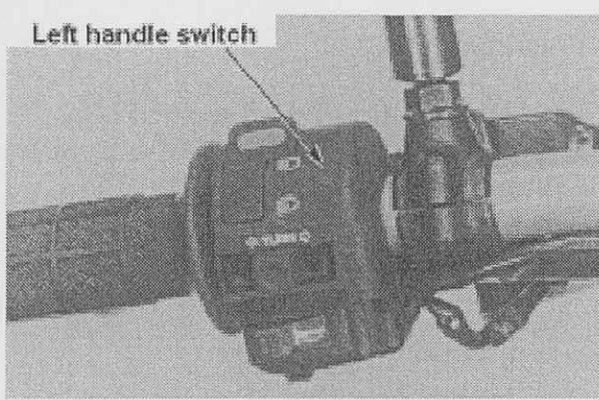
Remove a fuel tank (2-10).

Disconnect a rear brake lamp switch 2P (black) coupler.

Check there is continuity when the brake pedal is depressed.

Check there is no continuity when the brake pedal is released.

Replace the rear brake lamp switch if the test result was faulty.



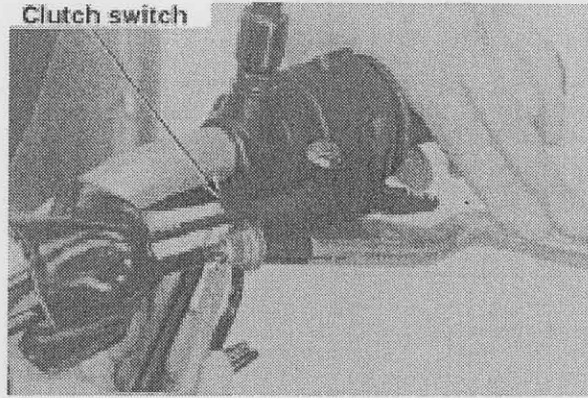
- **Clutch Switch**

Disconnect a clutch switch connector.
Check there is continuity when the clutch lever is held.

Check there is no continuity when the clutch lever is released.

Replace the clutch switch if the above test result was faulty.

Clutch switch



- **Neutral Switch**

- **Inspection**

Remove a battery case (14-6).

Disconnect a pulse generator / neutral switch 3P coupler.

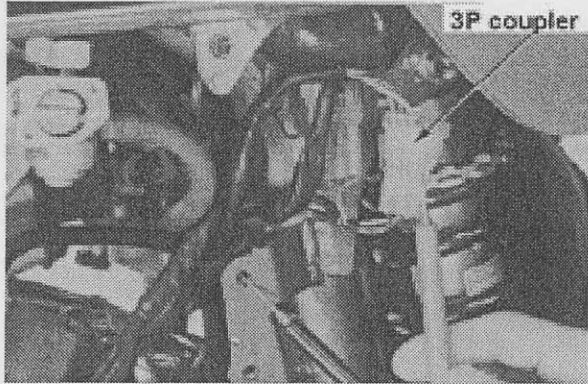
Test the continuity of the coupler on the switch end.

Connection: Light Green – body earth

Standard: Gear in neutral – continuity

Gear other than neutral – no continuity

3P coupler



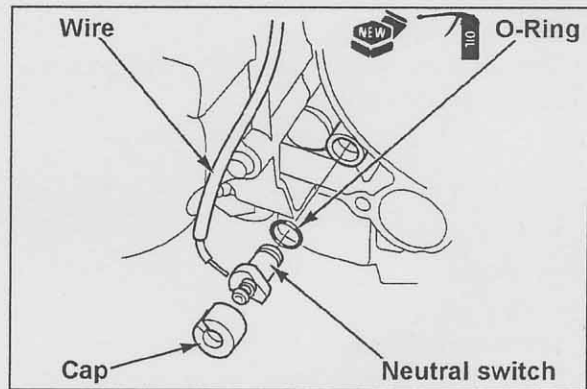
- **Removal / Installation**

Remove a drive sprocket cover (6-2).

Remove a neutral switch cap and disconnect a wire from the neutral switch.

Remove the neutral switch and the O-Ring.

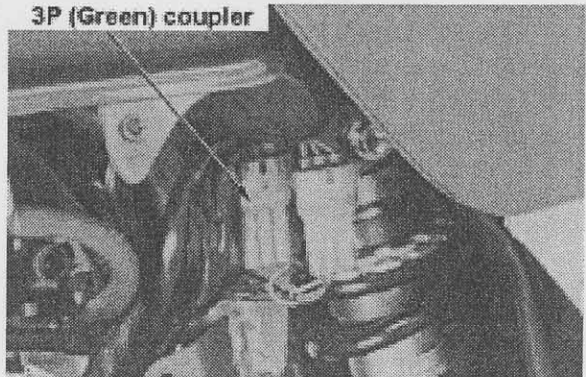
Follow the above procedure in reverse order for installation.



Notes

- Refer to (1-21) for routing the neutral switch wire.
- Install a new O-Ring and apply engine oil to it.

3P (Green) coupler



- **Side stand Switch**

- **Inspection**

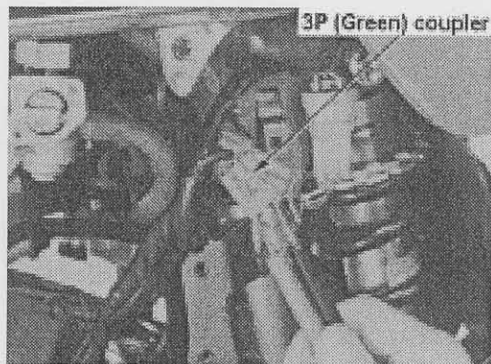
Remove a battery case (14-6).

Disconnect a side stand switch 3P (green) coupler.

Test the continuity at the side stand switch end of the 3P (green) coupler.

Colour of the leads	Green/ White	Yellow/ Black	Green
Side stand retracted	○		○
Side stand extended		○	○

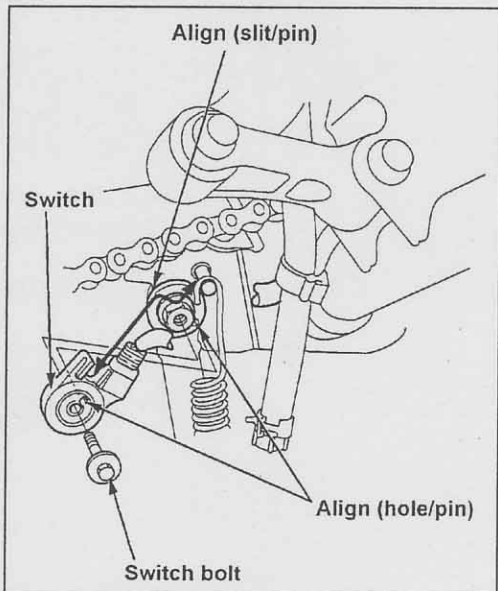
Replace the side stand switch if the test result was faulty.



• Removal / Installation

Remove a battery case (14-6).
 Disconnect a side stand switch 3P (green) coupler from the stay.
 Disconnect the side stand switch 3P (green) coupler.
 Unscrew a side stand switch bolt to remove the side stand switch.

Follow the above procedure in reverse order when installing.



- Notes**
- Set the pin on the side stand switch to the hole on the side stand when installing.
 - Set the side stand return spring pin to the slit on the side stand switch when installing.
 - Refer to (1-21) for routing the side stand switch leads.

• Horn

Disconnect a horn connector.
 Unscrew a bolt to remove a horn.
 Connect a fully charged battery to the horn terminals to check its function.

Replace the horn if it is faulty.

