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◆ Service Information

• General



- Petrol is highly flammable. Keep the motorcycle away from fire and sparks. Always ventilate the working place as the evaporated petrol is also highly flammable.
- Service the muffler when the engine is cool.

- This section describes the exterior parts, exhaust pipe and muffler removal/installation work.
- Route the tubes and cables in accordance with the routing diagram (1-21).
- Replace the gaskets when removing / installing the muffler.
- When installing the muffler, temporarily tighten all bolts and nuts. Then, tighten the joint nuts first and mount bolts after.
- Check for exhaust leak after installing the muffler.

• Torque Settings

Exhaust pipe joint nut	10N.m (1.0kgf-m)
Muffler mount cap nut	22N.m (2.2kgf-m)
Muffler mount bolt	10N.m (1.0kgf-m)
Exhaust pipe protector bolt (front/rear)	15N.m (1.5kgf-m)
Muffler protector bolt	15N.m (1.5kgf-m)
Fuel cock nut	26N.m (2.7kgf-m)

• Troubleshooting

Too loud exhaust noise

- Muffler damaged
- Exhaust leaked

Lack of power

- Muffler deformed
- Exhaust leaked
- Muffler clogged

• **Seat**

Remove the seat by using the ignition key. Pull the seat up and to the back to remove.

Notes:

- Install the seat after checking no obstruction under the seat.
- Make sure not to catch wire harness between the hook and the frame or the body.

Apply grease to the seat cloth. Align the seat hook to the frame and set the hook by pushing the seat forward. Push down the rear end of the seat until the click sound is heard (locked).

Note:

Push the seat in all directions to confirm it is locked.

• **Side cover**

Note:

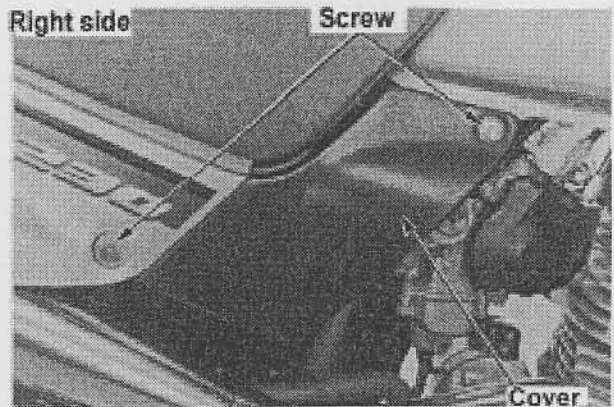
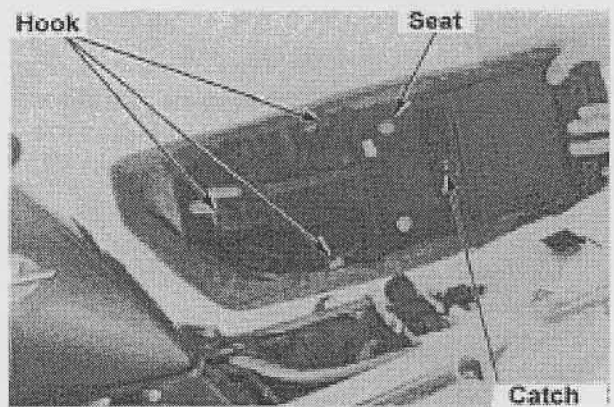
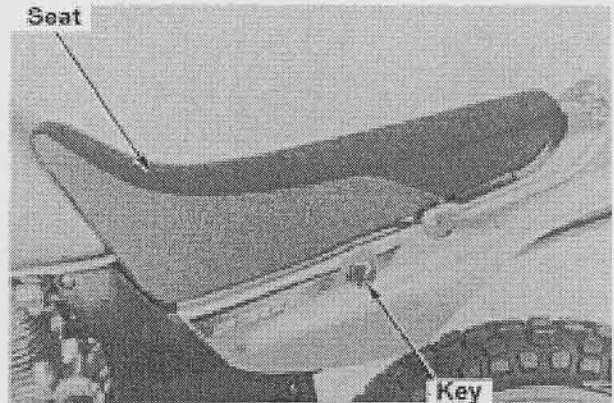
Do not break the side cover and the side cover catch.

Remove the screws. Release the side cover catch from the fuel tank and the rear cowl to remove the side cover.

Follow the above procedure in reverse order to install.

Note:

Align the cover hole with the battery holder catch, when installing the left side cover.

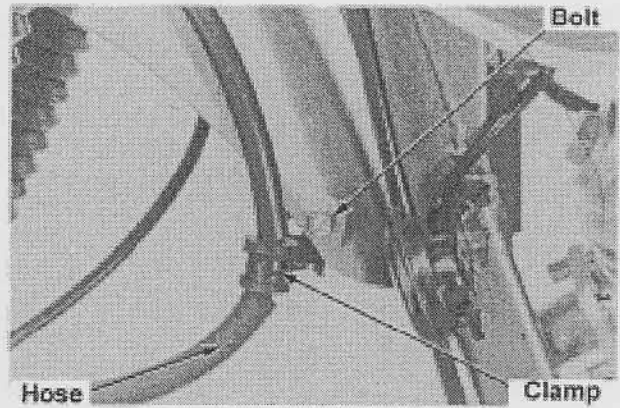


- **Front Fender**

Remove a bolt and disconnect the clamp and the brake hose.

Remove bolts / washers / collars to remove the front fender.

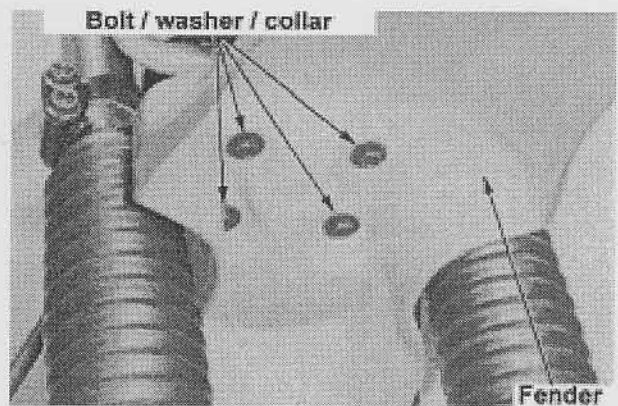
Follow the above procedure in reverse order to install.



Grab Rail and Rear Cowl

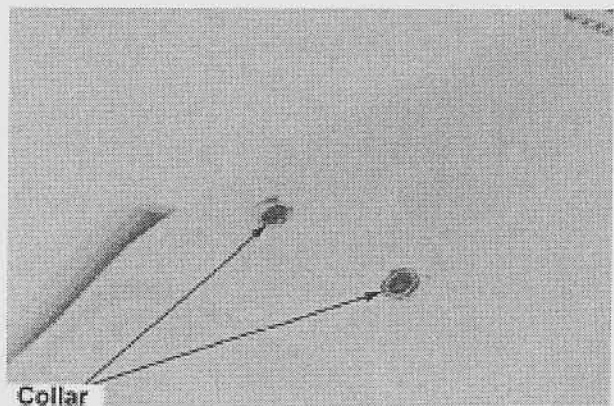
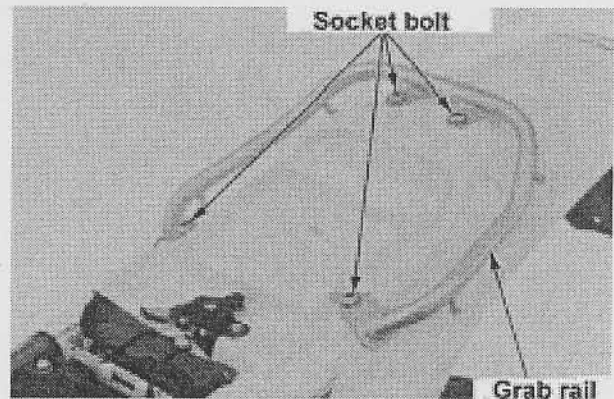
- **Grab Rail**

Remove the seat (2-2).
Remove socket bolts to unmount the grab rail.



Remove the collars.

Follow the above procedure in reverse order to mount.

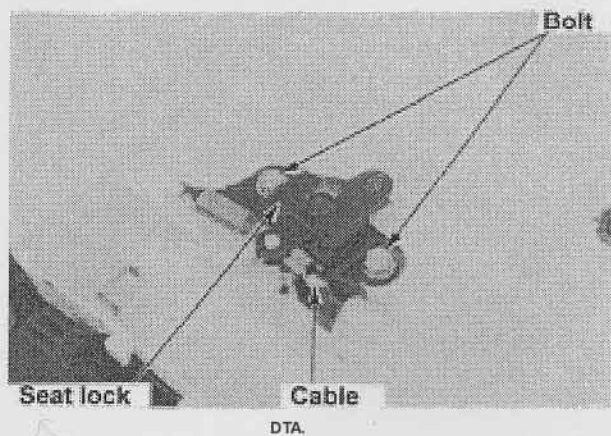


- Rear Cowl

Unmount the grab rail (2-3).
Remove screws.

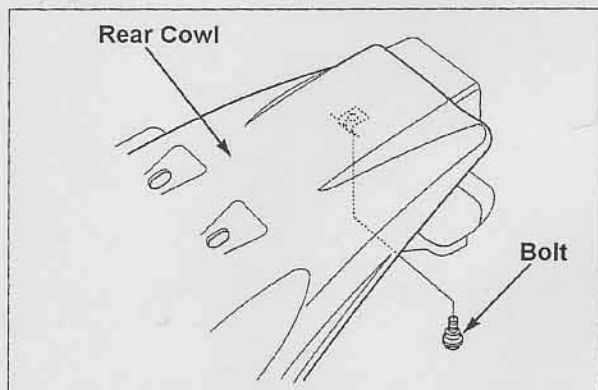


Remove bolts to remove the seat lock.
Disconnect the seat lock cable from the seat lock.



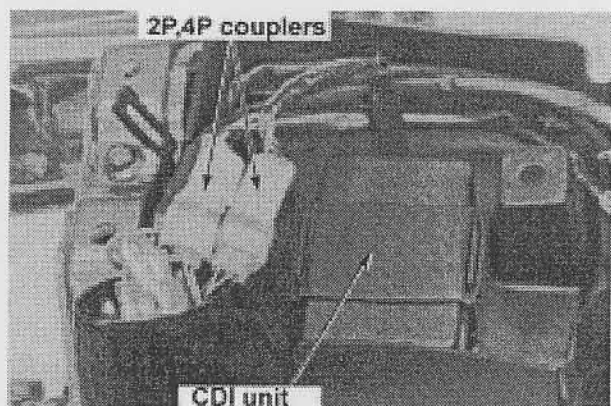
Remove a bolt.
Pull the rear cowl bottom outwards
(left/right) to detach the cowl.

Follow the above procedure in reverse
order to install.

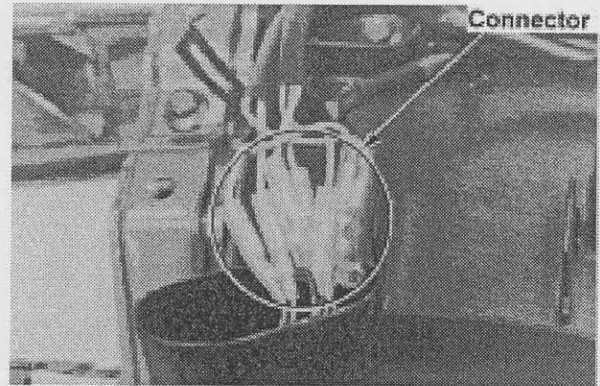


- Licence Plate bracket

Remove the rear cowl (2-4)
Disconnect 2P and 4P couplers to remove
the CDI unit.



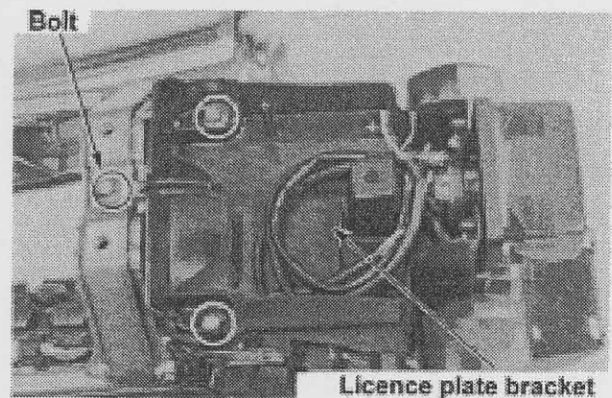
Disconnect the tail/stop lamp connector and the rear turn signal connector.



Remove bolts to unmount the licence plate bracket.

Follow the above procedure in reverse order to install.

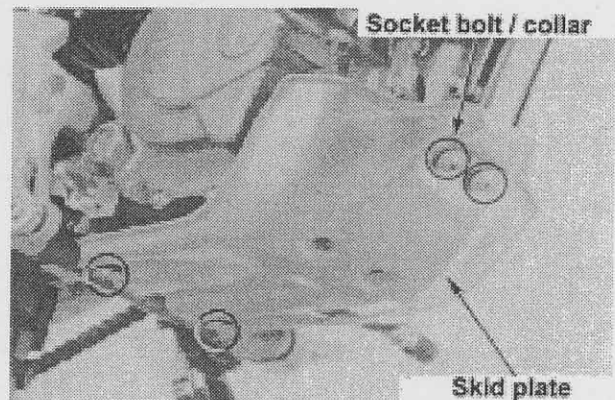
Note:
Refer to the routing diagram (1-21) when routing the harness and cables.



- **Skid Plate**

Remove socket bolts and collars to remove the skid plate.

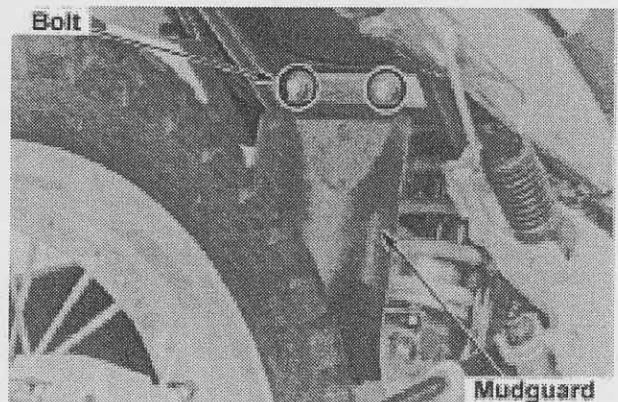
Reverse the procedure for installation.



- **Mudguard**

Remove bolts to unmount the mudguard.

Reverse the procedure for installation.



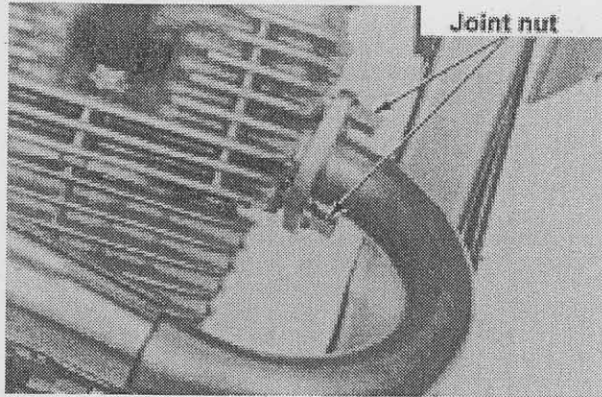
◆ Exhaust Pipe, Muffler

• Removal

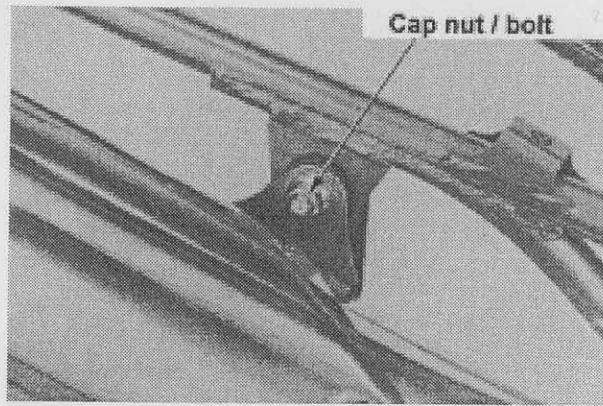


Service the muffler when the engine is cool.

Remove the rear cowl (2-3).
Remove exhaust pipe joint nuts.

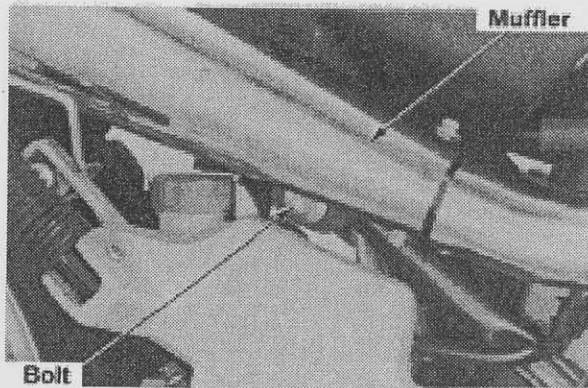


Remove a muffler mount cap bolt / nut.



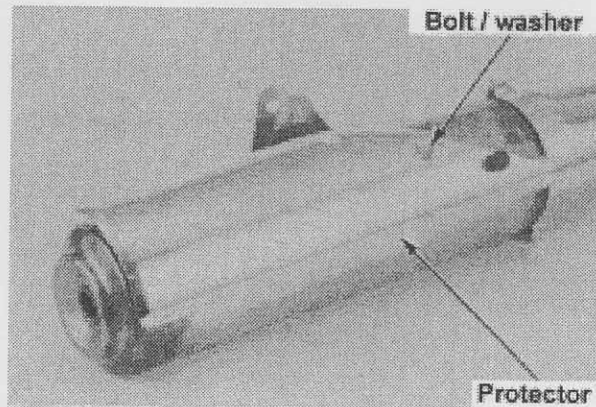
Remove the muffler mount bolt to unmount the muffler.

Remove the gasket.

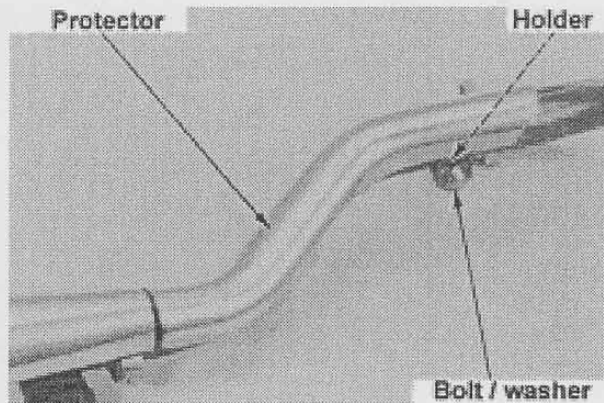


• Disassembly

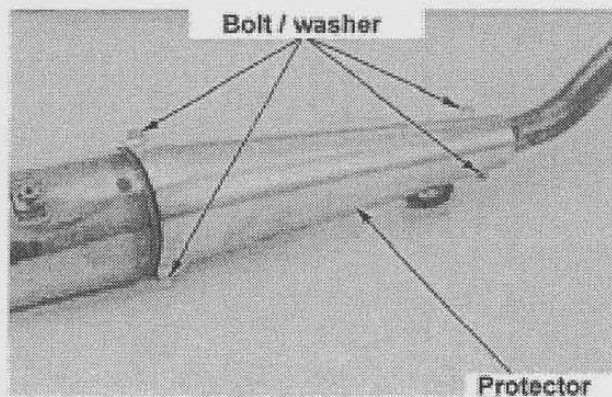
Remove a bolt and a washer to detach a muffler protector.



Remove a bolt/washer to detach a holder and an exhaust pipe protector.



Remove bolts/washers to detach an exhaust pipe / muffler protector.

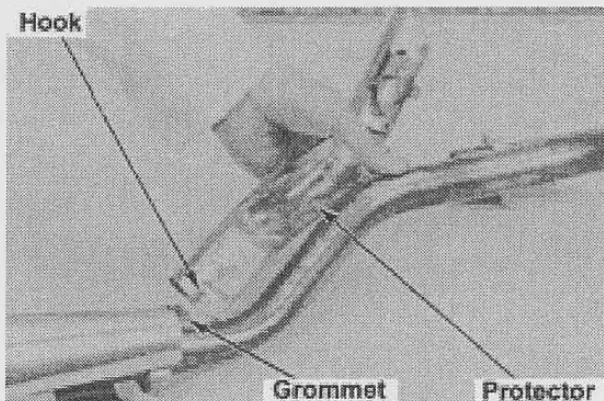


• **Assembly**

Mount the exhaust pipe / muffler protector and the holder.
Tighten the bolts.

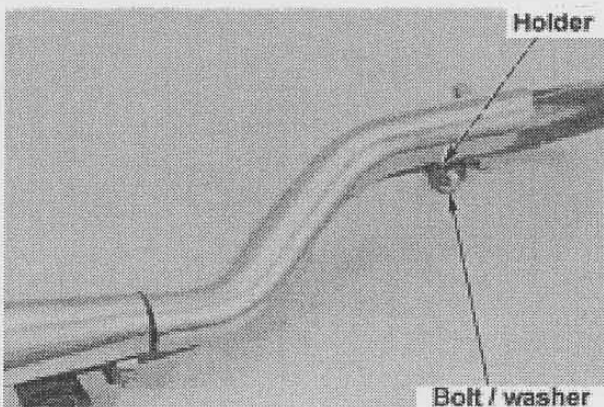
Torque: 15N.m (1.5kgf-m)

Align the grommet on the exhaust pipe protector with the hook on the exhaust pipe/muffler protector to set the exhaust pipe protector.

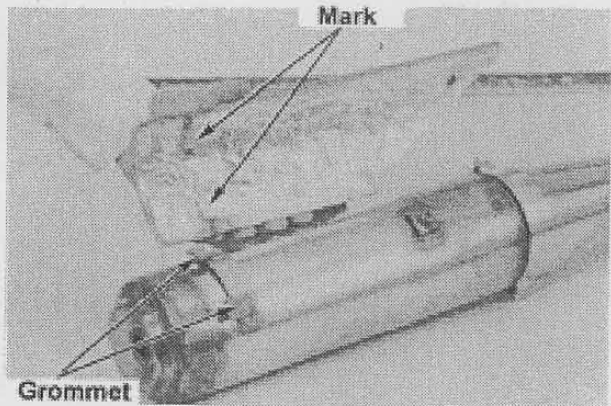


Tighten the bolt

Torque: 15N.m (1.5kgf-m)

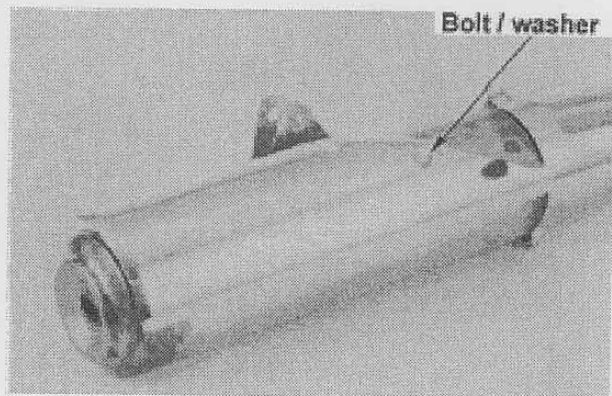


Align the marks on the muffler protector with the muffler grommets to set the protector.

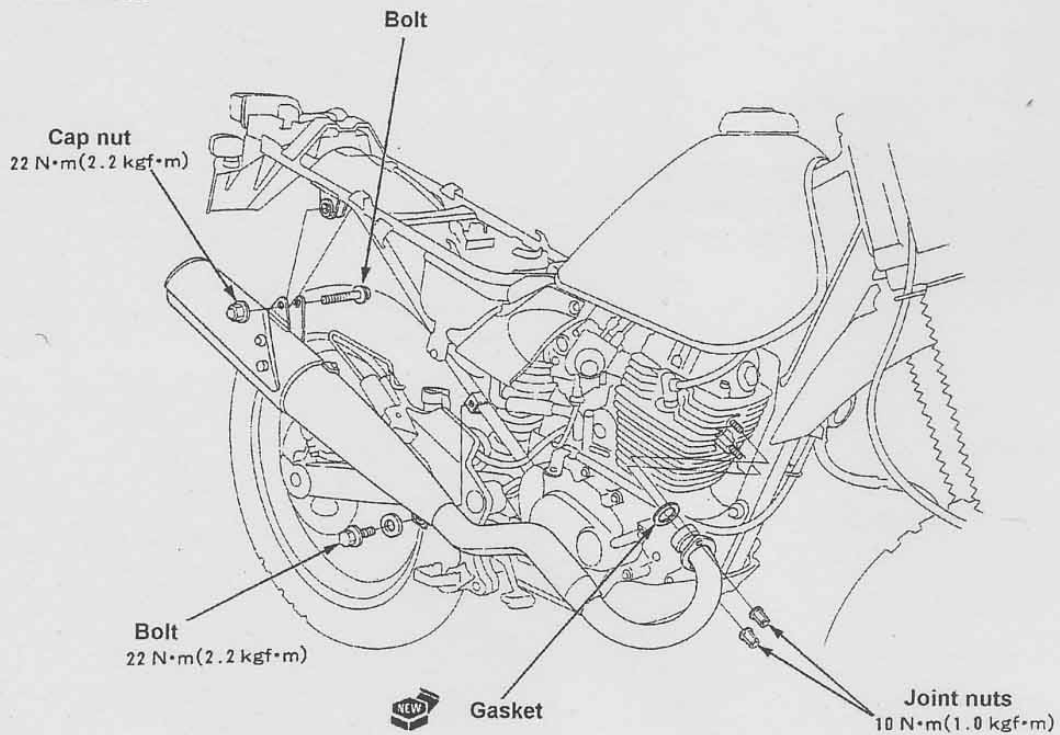


Tighten the bolt

Torque: 15N.m (1.5kgf-m)



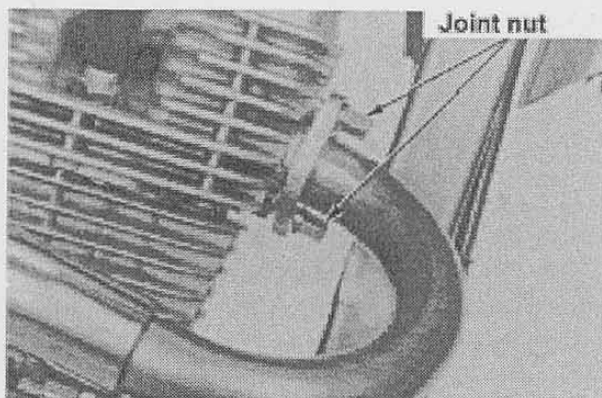
Installation



Install a new gasket.

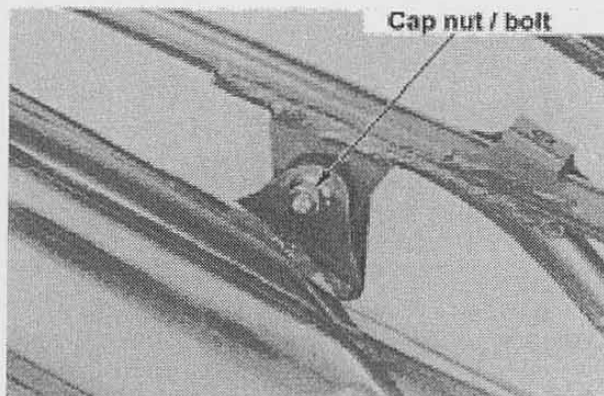
Install the muffler.
Set the exhaust pipe joint nuts.

Note:
Do not tighten the joint nuts yet.



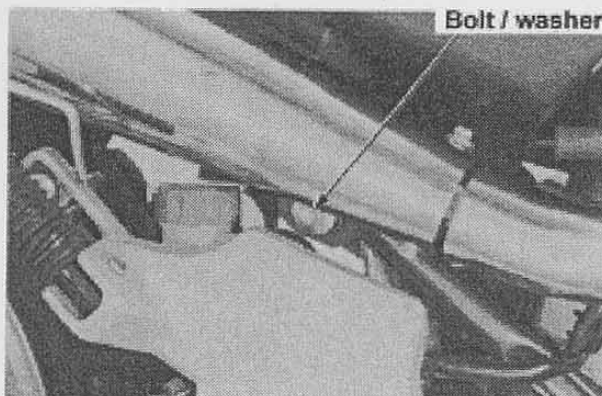
Set the muffler mount bolt and the cap nut.

Note:
Do not tighten the mount cap nut yet.



Install the washer and the muffler mount bolt.

Note:
Do not tighten the mount bolt yet.

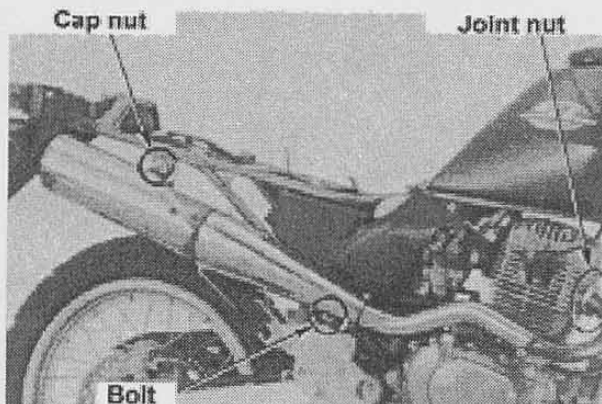


Check the exhaust pipe joint is set properly.
Tighten the joint nuts first, then the mount bolts/nuts.

• **Torque:**

- Exhaust pipe joint nut:
10N.m (1.0kgf-m)
- Muffler mount cap nut:
22N.m (2.2kgf-m)
- Muffler mount bolt
10N.m (1.0kgf-m)

After finishing the work, start the engine and inspect for the exhaust leak.



◆ Fuel Tank



Petrol is highly flammable. Keep the motorcycle and the area away from any fire or sparks. Always ventilate the working place as the evaporated petrol may explode.

● Removal

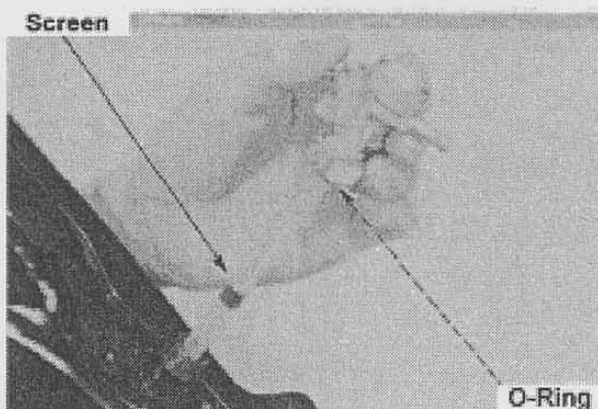
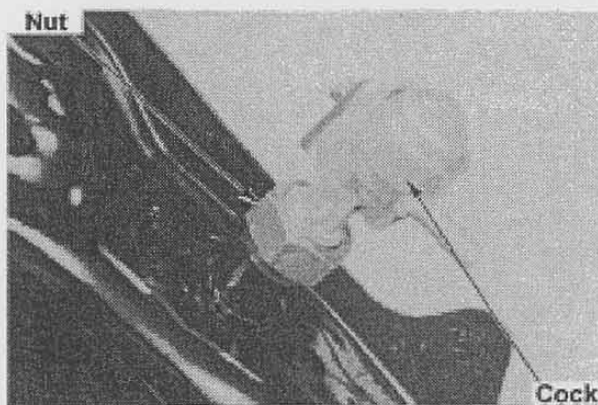
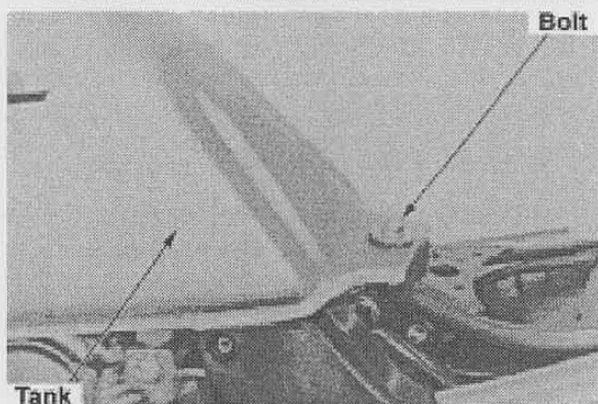
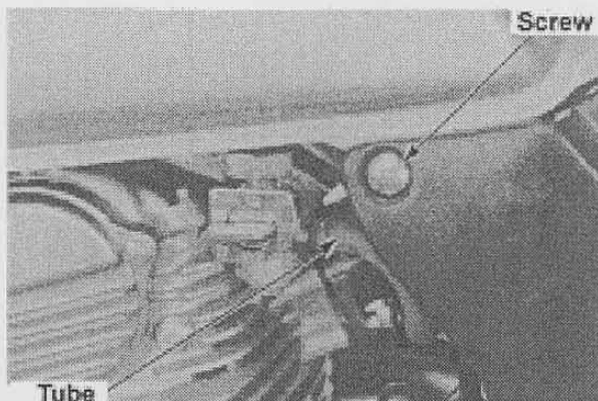
Remove the seat (2-2).
 Remove a screw
 Check the fuel cock is in OFF position.
 Disconnect a fuel tube.

Remove a fuel tank mount bolt.
 Lift the back of the tank and slide it to the back to remove the fuel tank.

● Disassembly

Loosen the fuel cock nut to remove the fuel cock.

Remove a strainer screen and an O-Ring.



Clean the strainer screen.

• **Assembly**

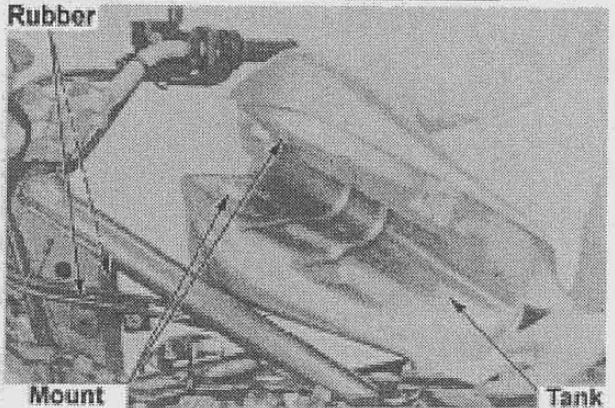
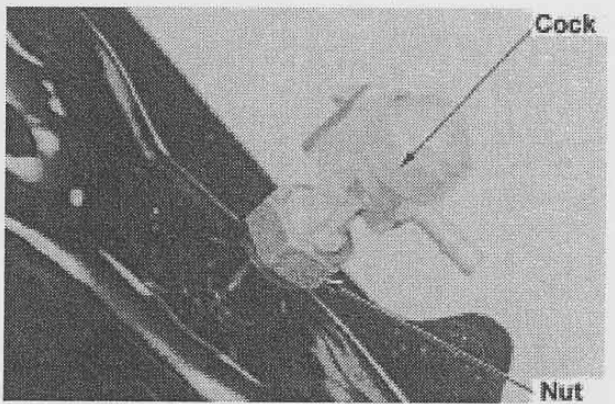
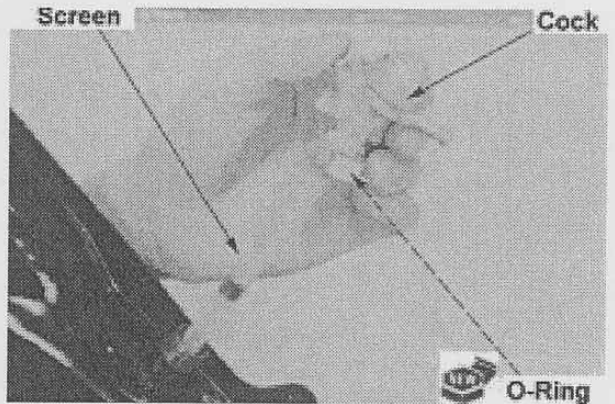
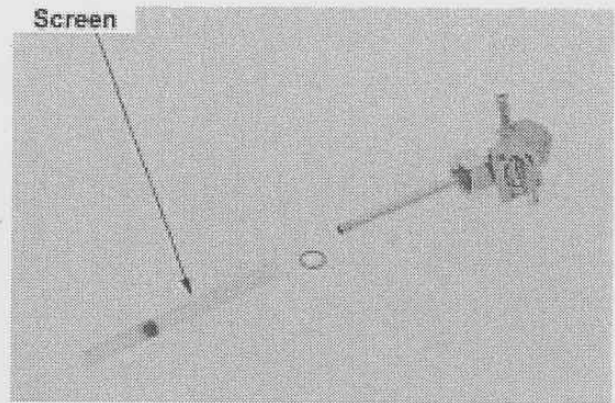
Set a new O-Ring and the screen to the fuel cock.

Set the fuel cock to the fuel tank.
Tighten the fuel cock nut.

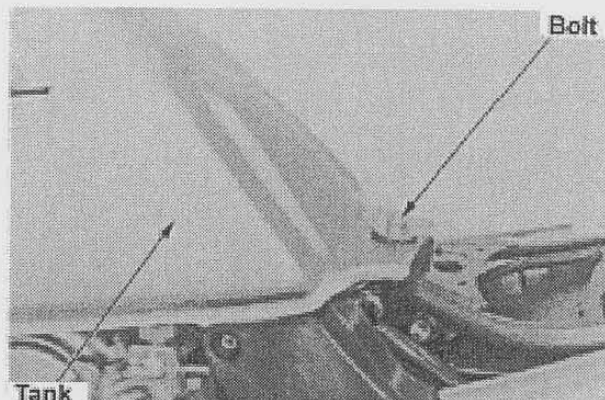
Torque: 26N.m (2.7kgf-m)

• **Installation**

Set the mounting area of the fuel tank to the rubber part on the frame to install the tank.



Install the fuel tank mount bolt and firmly tighten the bolt.



Connect the fuel tube.

Tighten the screw.

Turn the fuel cock ON and start the engine.

Check for fuel leak.

Install the seat (2-2).

