

3. FRAME/BODY PANELS/EXHAUST SYSTEM

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SERVICE INFORMATION

GENERAL

- Work in a well ventilated area. Smoking or allowing flames or sparks in the work area or where gasoline is stored can cause a fire or explosion.
- This section covers removal and installation of the body panels and exhaust system.
- Serious burns may result if the exhaust system is not allowed to cool before components are removed or serviced.
- Always replace the exhaust pipe gaskets after removing the exhaust pipe from the engine.
- When installing the exhaust system, loosely install all of the exhaust pipe fasteners. Always tighten the exhaust clamps first, then tighten the mounting fasteners. If you tighten the mounting fasteners first, the exhaust pipe may not seat properly.
- Always inspect the exhaust system for leaks after installation.

TORQUE VALUES

Exhaust pipe joint nut	20 N·m (2.0 kgf·m, 15 lbf·ft)
Side stand pivot bolt	15 N·m (1.5 kgf·m, 11 lbf·ft)
Side stand pivot nut	39 N·m (4.0 kgf·m, 29 lbf·ft)
Grab rail mounting bolt	27 N·m (2.8 kgf·m, 20 lbf·ft)
Front fender mounting bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)
Rearview mirror mounting bolt	14 N·m (1.4 kgf·m, 10 lbf·ft)

TROUBLESHOOTING

Excessive exhaust noise

- Broken exhaust system
- Exhaust gas leak

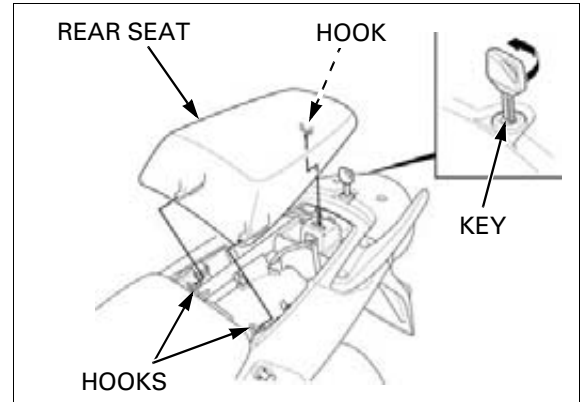
Poor performance

- Deformed exhaust system
- Exhaust gas leak
- Clogged muffler

SEAT

REMOVAL/INSTALLATION

Unhook the pillion seat with the ignition key.
Remove the rear seat.



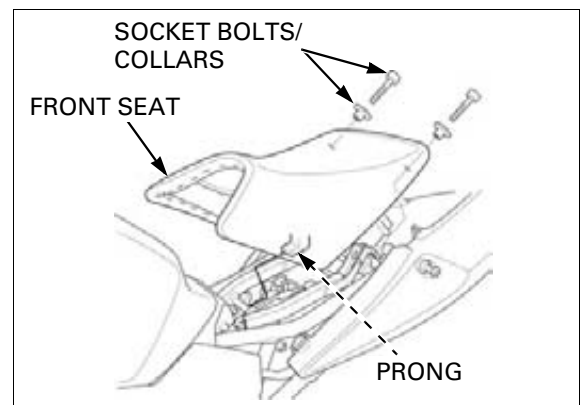
Remove the socket bolts and collars.
Remove the front seat backward while releasing the seat prong from the seat bracket.

Install the front seat while hooking the prong under the seat bracket cross pipe.

Install the collars and tighten the socket bolts.

Install the rear seat and push the seat forward, then down to lock it.

After installation, make sure that the seats are installed properly by moving them.



SEAT BRACKET

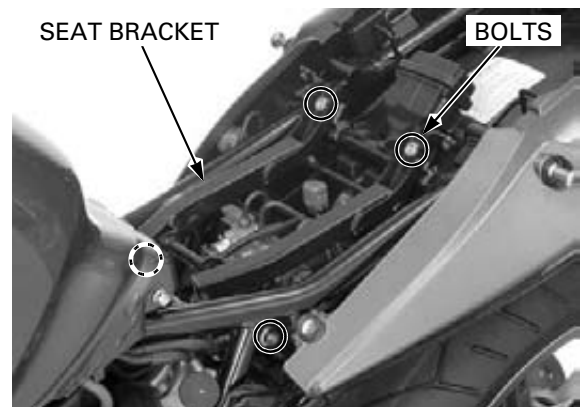
REMOVAL/INSTALLATION

Remove the side socket bolts, rear socket bolts and seat bracket.

If you wish the seat position upward or downward, you can choose low or high position. There are three bolt holes each mounting point. Middle bolt hole is standard position.

Install the seat bracket.

Install and tighten the side socket bolts (flange) and rear socket bolts securely.



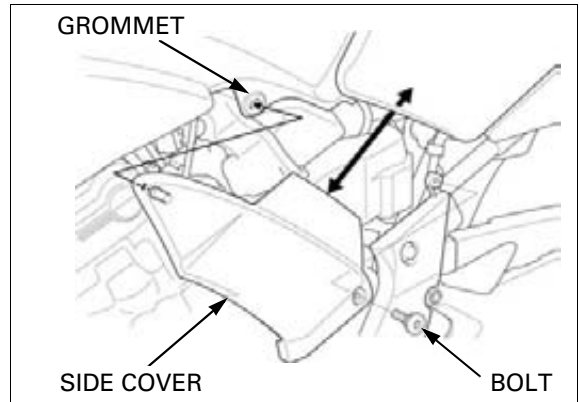
RIGHT/LEFT SIDE COVER

REMOVAL/INSTALLATION

Remove the side cover bolt.

Release the boss from the fuel tank grommet, then remove the side cover.

Install the side cover aligning its boss with the grommets in the fuel tank.



WINDSCREEN

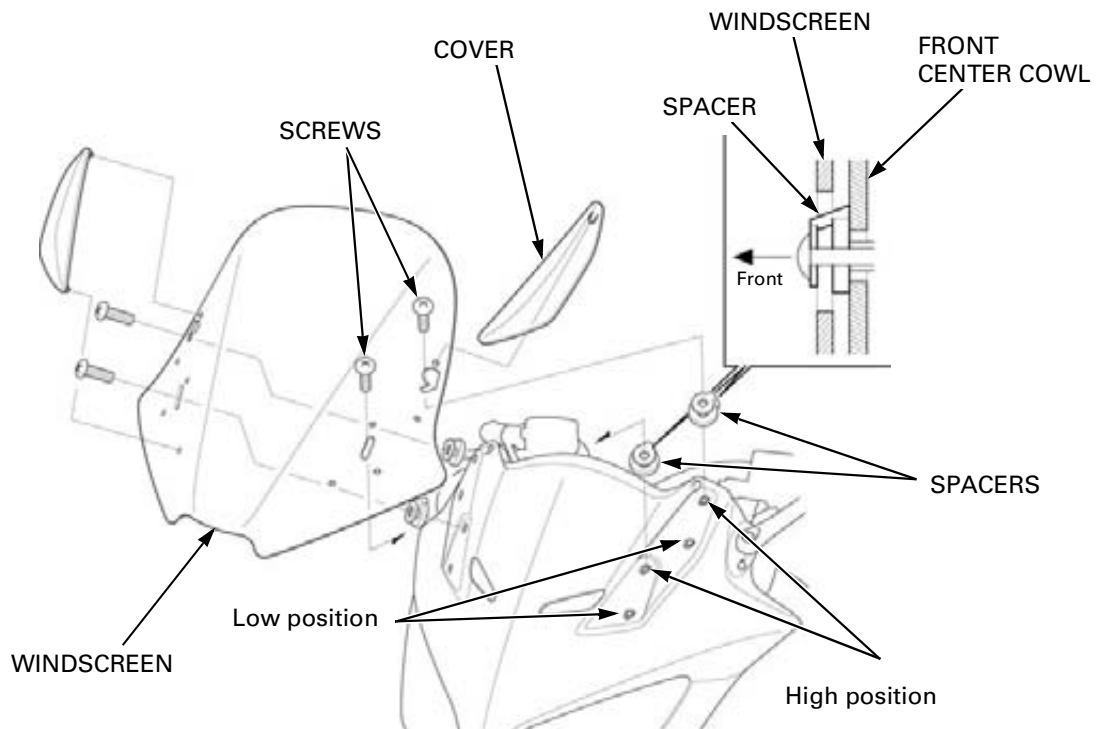
REMOVAL/INSTALLATION

Be careful not to damage the bosses. Remove the windscreen covers by pulling its bosses. Remove the four screws and the windscreen.

Installation is in the reverse order of removal.

NOTE:

- Install the spacer onto the windscreen as shown.
- It is possible to select the windscreen high or low position.



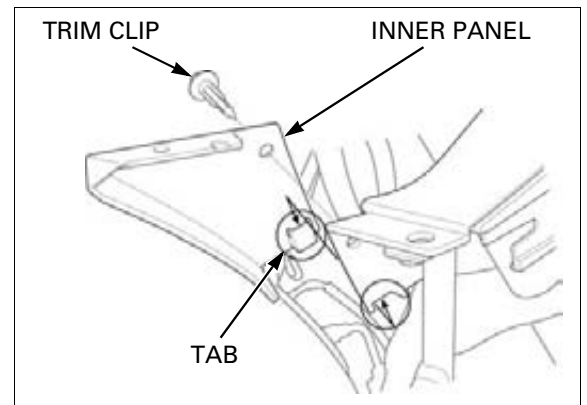
METER PANEL

REMOVAL/INSTALLATION

Remove the trim clip.

Unhook the tab of the inner panel from the front center cowl, then remove the inner panel.

Remove the other side inner panel.

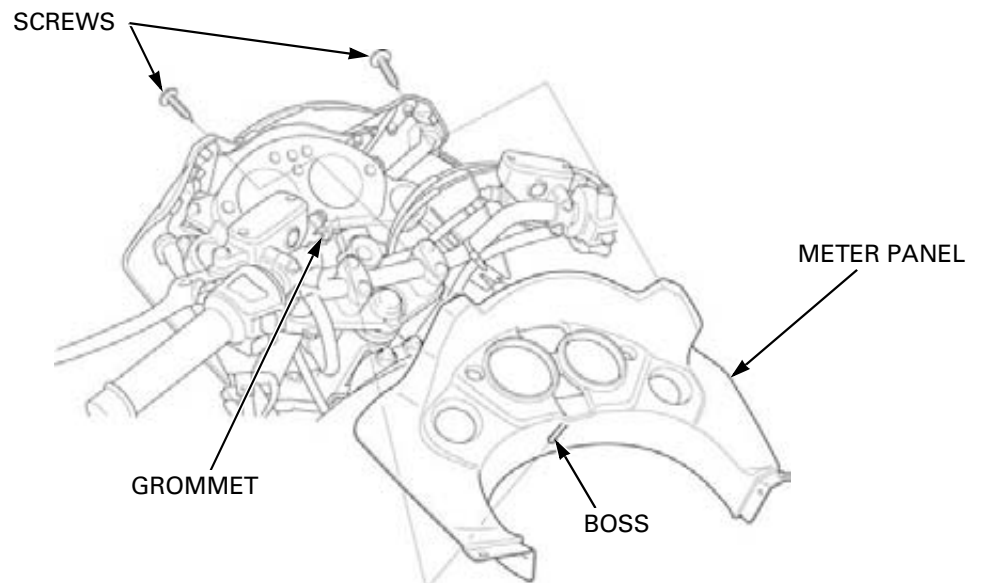


Remove the windscreen (page 3-4).

Remove the two screws.

Pull the boss of the meter panel from the combination meter grommet, then remove the meter panel.

Install the meter panel and inner panels in the reverse order of removal.



RIGHT/LEFT FRONT COWLS

REMOVAL/INSTALLATION

Remove the following:

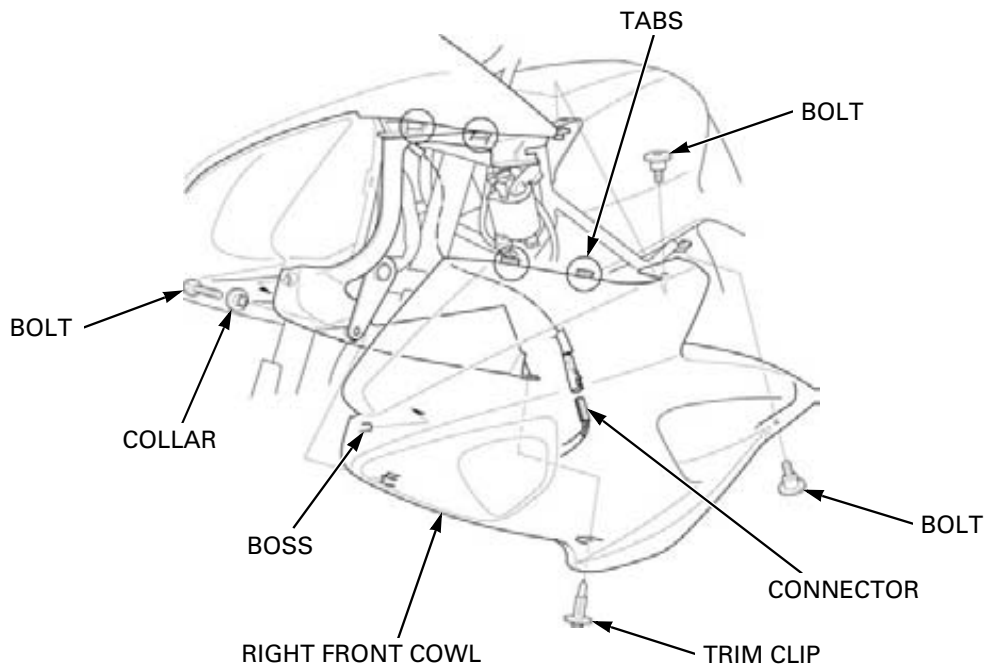
- Trim clip
- Bolt and collar
- Mounting bolts

Unhook the boss and tabs from the front center cowl, then disconnect the turn signal light wire connector.

Installation is in the reverse order of removal.

NOTE:

The illustration shows the right front cowl removal/installation. Remove and install the left front cowl in the same manner.



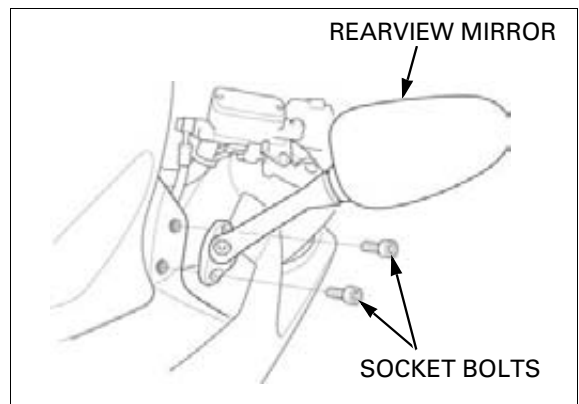
REARVIEW MIRROR

REMOVAL/INSTALLATION

Remove the socket bolts and rearview mirror.

Installation is in the reverse order of removal.

TORQUE: 14 N·m (1.4 kgf·m, 10 lbf·ft)



FRONT CENTER COWL

REMOVAL/INSTALLATION

Remove the following:

- Rearview mirror (page 3-6)
- Meter panel (page 3-5)
- Right and left front cowls (page 3-6)

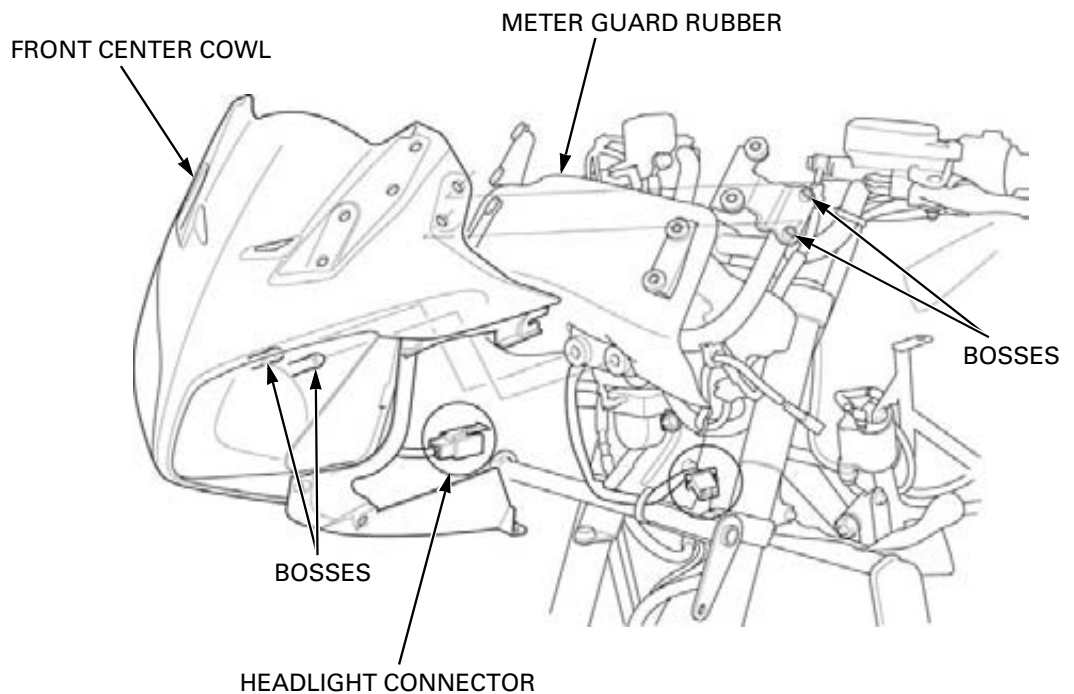
Release the rearview mirror mounting bosses from the front center cowl.

Remove the front center cowl by pulling its bosses from the grommet, then disconnect the headlight connector.

Remove the meter guard rubber from the front center cowl stay.

Installation is in the reverse order of removal.

Be careful not to jam the guard rubber between the front center cowl and stay.



REAR COWL

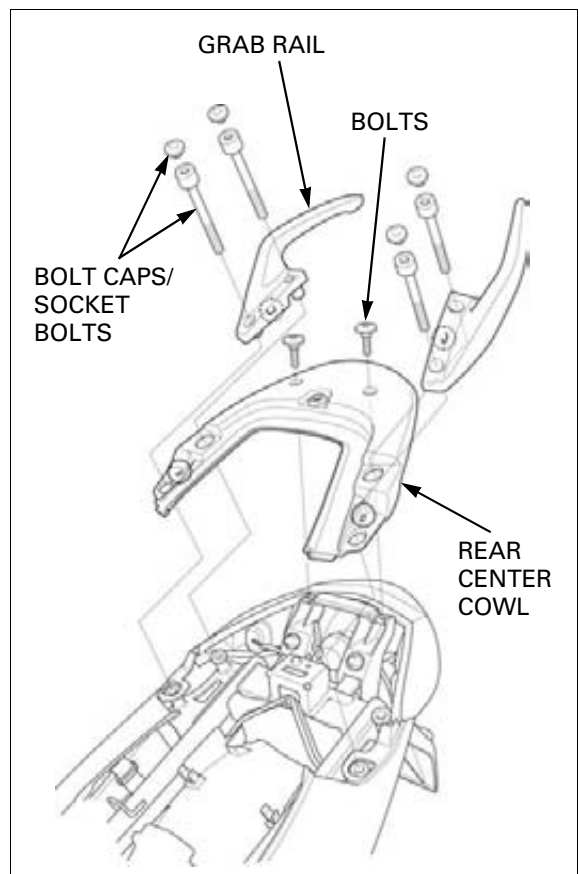
REMOVAL

Remove the seat (page 3-3).

Remove the bolt caps.

Remove the socket bolts and grab rails.

Remove the bolts and rear center cowl.

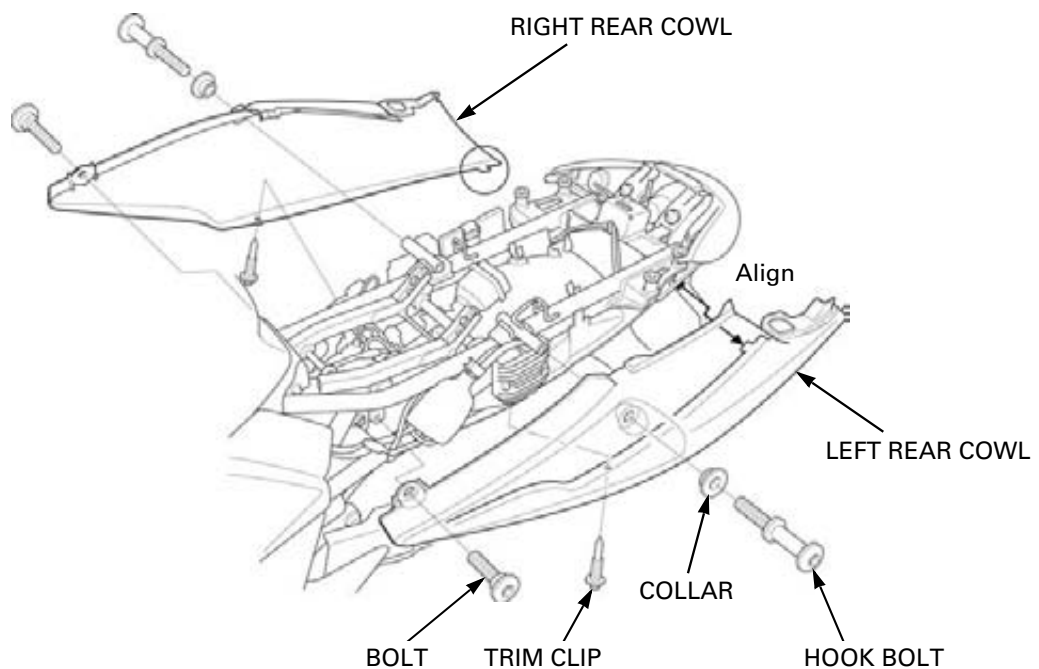


Remove the trim clip.

Remove the bolt, hook bolt and collar.

Carefully release the tab of the rear cowl, then remove.

Remove the other side rear cowl in the same manner.



INSTALLATION

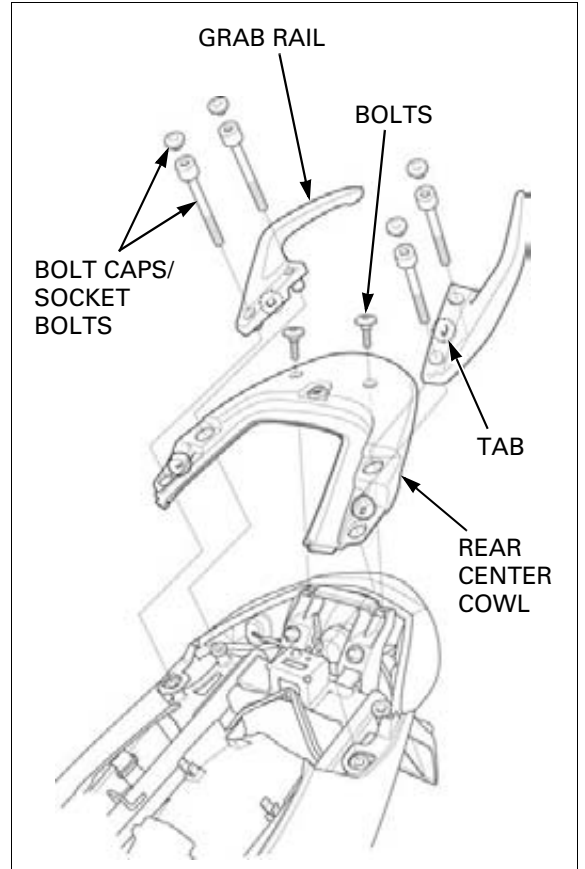
Installation is in the reverse order of removal.

Align the tab on the grab rail with the hole on the rear center cowl.

Install the grab rail and mounting socket bolts. Tighten the socket bolts to the specified torque.

TORQUE: 27 N·m (2.8 kgf·m, 20 lbf·ft)

Install the bolt caps securely.



FRONT FENDER

REMOVAL/INSTALLATION

Remove the front mounting bolts and rear mounting bolts (brake hose clamp bolts).

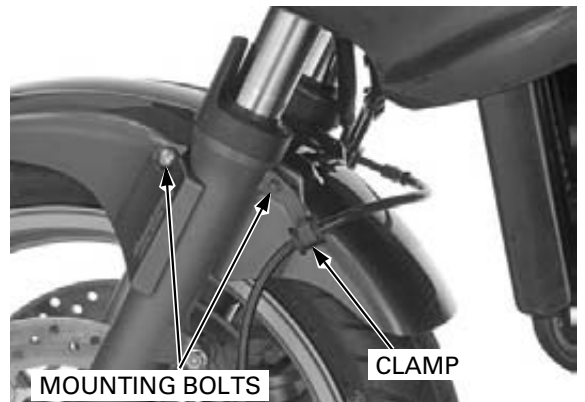
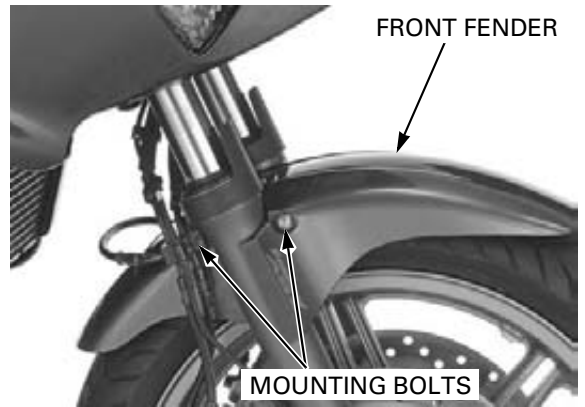
Remove the front fender forward.

Installation is in the reverse order of removal.

Tighten the front fender mounting bolts to the specified torque.

TORQUE:

**Front fender mounting bolt (front/rear):
12 N·m (1.2 kgf·m, 9 lbf·ft)**



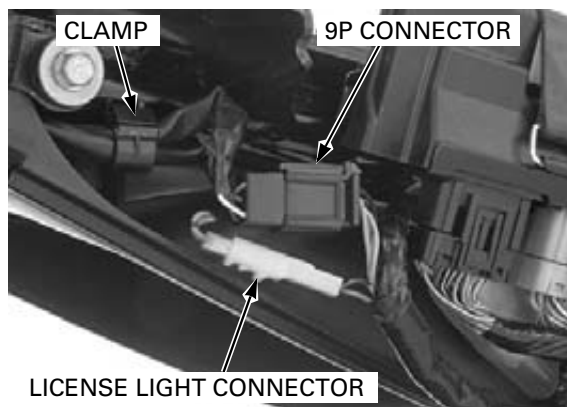
REAR FENDER

REMOVAL/INSTALLATION

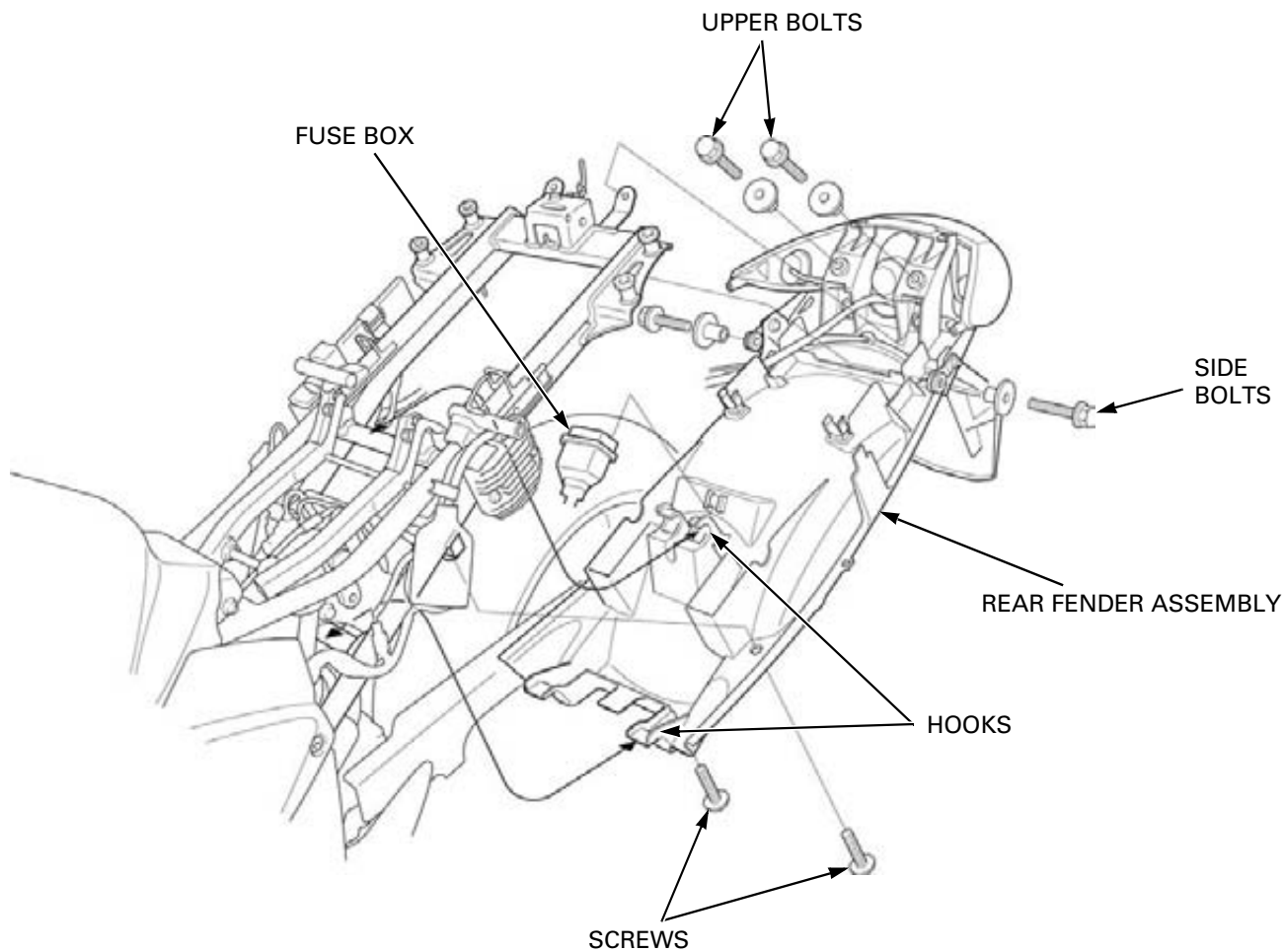
Remove the rear cowl (page 3-8).

Release the wires from the harness clamp.

Disconnect the tail/brake light 9P (Black) and license light 2P (White) connectors.



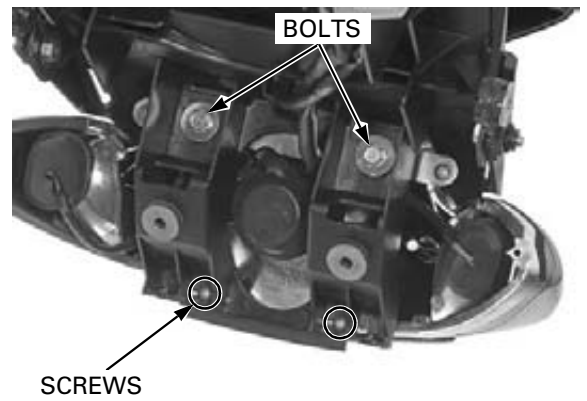
Remove the screws, upper bolts and side bolts.
Remove the fuse box from the rear fender.
Release the hooks from the frame, then remove the rear fender assembly.



FRAME/BODY PANELS/EXHAUST SYSTEM

Remove the screws and bolts.

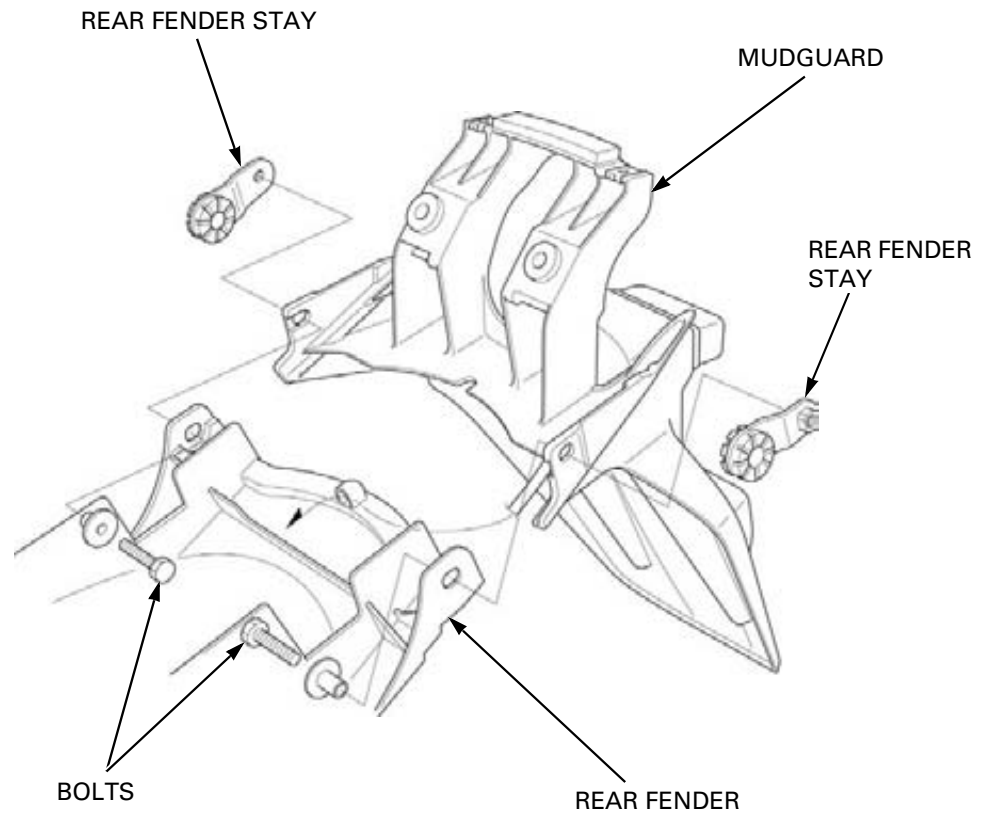
Remove the tail/brake light unit from the rear fender assembly.



Remove the bolts and rear fender stay.

Remove the mudguard from the rear fender.

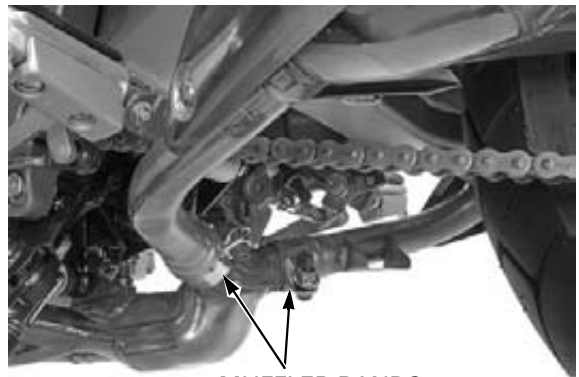
Assemble the rear fender and install it in the reverse order.



MUFFLER

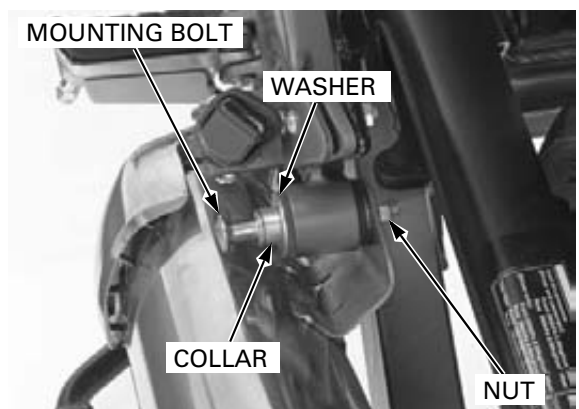
REMOVAL/INSTALLATION

Loosen the muffler band bolt.



MUFFLER BANDS

Hold the muffler mounting bolt and loosen the nut, then remove the mounting bolt, collar, washer, nut and the muffler.

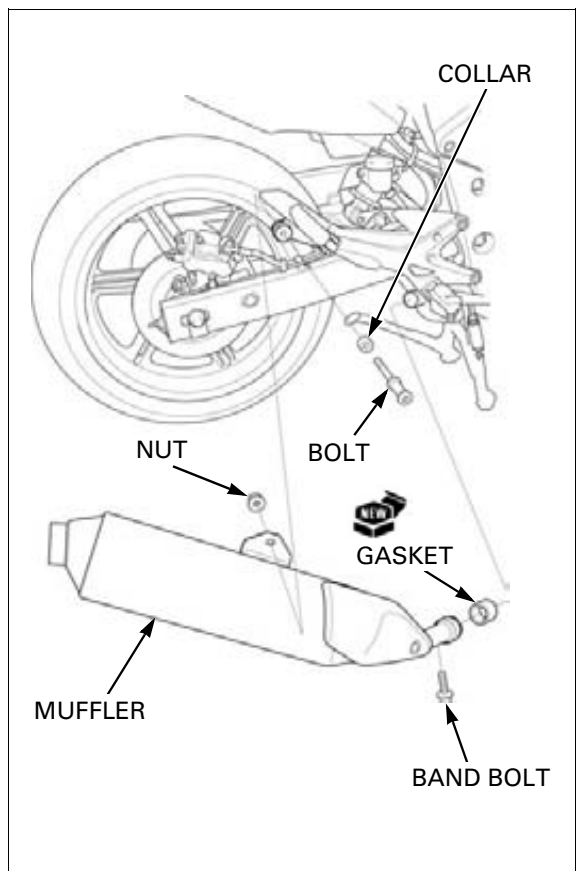


Always replace the gasket with a new one.

Remove the muffler gasket and replace it with new one.

Install the muffler in the reverse order of removal.

Tighten the muffler band bolts securely. Hold the muffler mounting bolts and tighten the nuts securely.



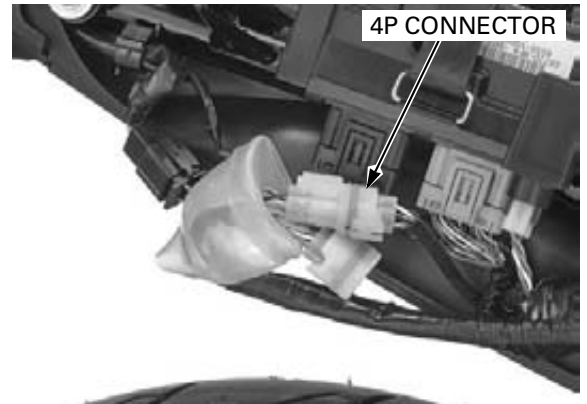
EXHAUST PIPE

REMOVAL

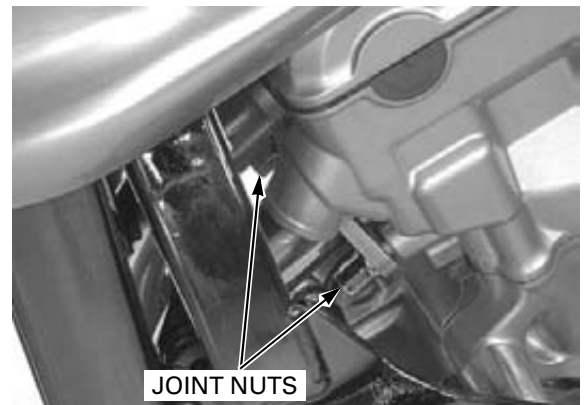
Remove the following:

- Right rear cowl (page 3-8)
- Mufflers (page 3-12)

Disconnect the O₂ sensor 4P (Natural) connector.



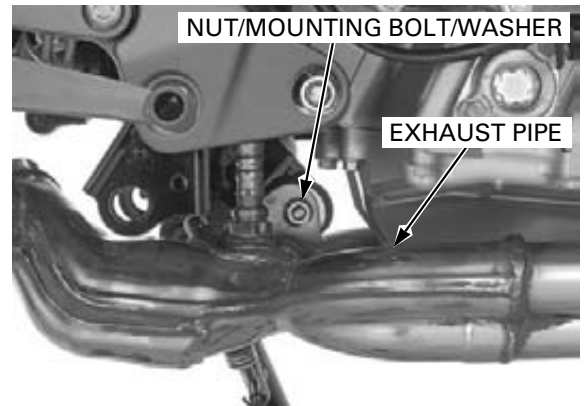
Remove the exhaust pipe joint nuts.



Remove the nut, mounting bolt and washer.

Remove the exhaust pipe with the O₂ sensor wire.

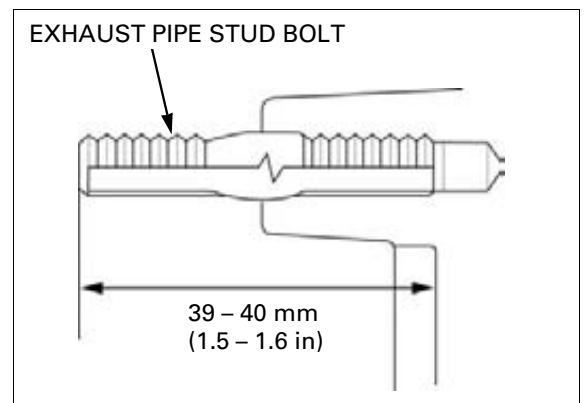
Carefully release the O₂ sensor wire from the frame.



INSTALLATION

Check that the exhaust pipe stud bolt protrusion from the exhaust port is specified length as shown.

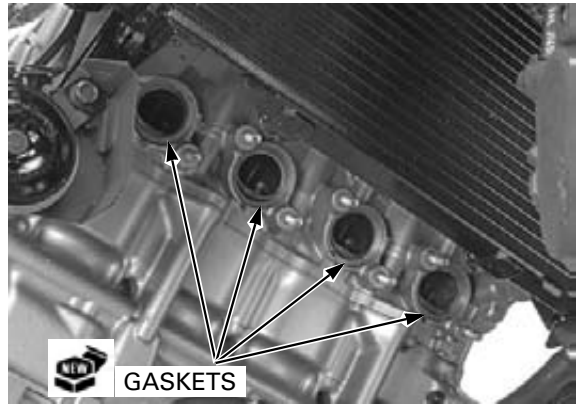
SPECIFIED LENGTH: 39 – 40 mm (1.5 – 1.6 in)



FRAME/BODY PANELS/EXHAUST SYSTEM

Always replace the gaskets with new ones.

Install the new gaskets to the exhaust ports.



Refer to "CABLE & HARNESS ROUTING" (page 1-23)

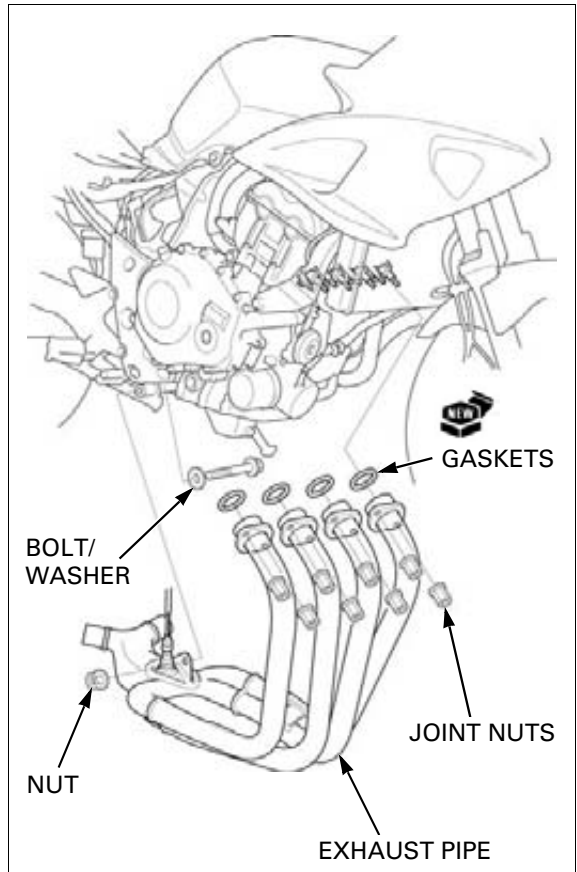
Route the O₂ sensor wire properly and install the exhaust pipe.

Temporarily install the exhaust pipe joint nuts, exhaust pipe mounting bolt, washer and nut.

First tighten the exhaust pipe joint nuts to the specified torque.

TORQUE: 20 N-m (2.0 kgf-m, 15 lbf-ft)

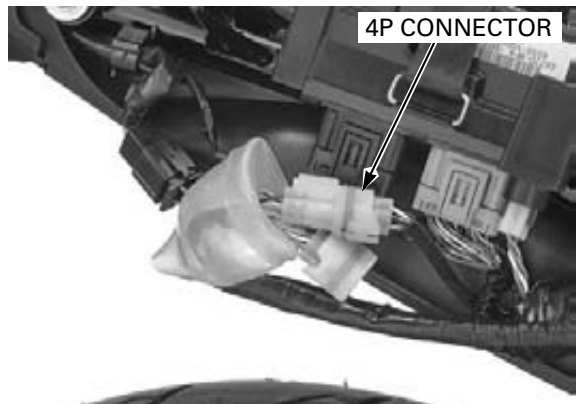
Hold the exhaust pipe mounting bolt and tighten the nut securely.



Connect the O₂ sensor 4P (Natural) connector and put the connector boot behind the ECM.

Install the following:

- Right rear cowl (page 3-9)
- Mufflers (page 3-12)



MAIN STAND (CBF1000A)

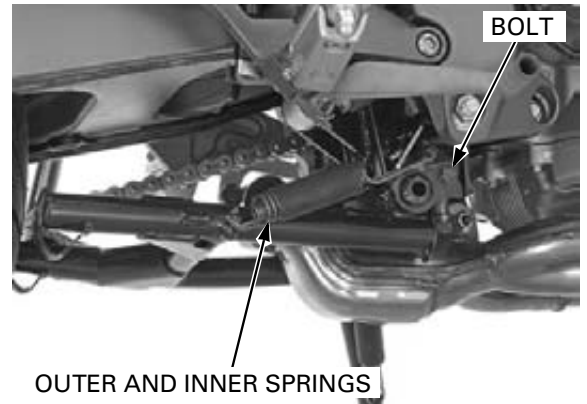
REMOVAL

Support the motorcycle securely using the side stand.

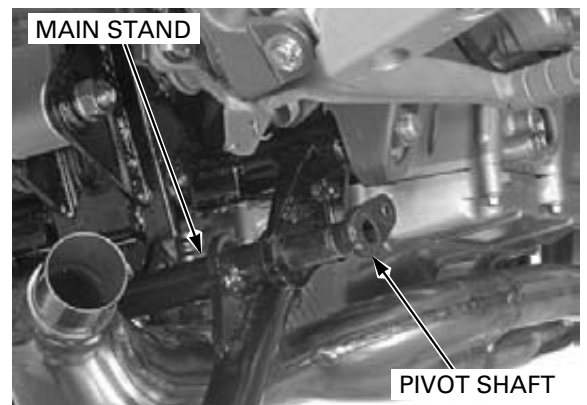
Remove the right and left mufflers (page 3-12).

Unhook the main stand springs (outer and inner).

Remove the pivot shaft mounting bolt.



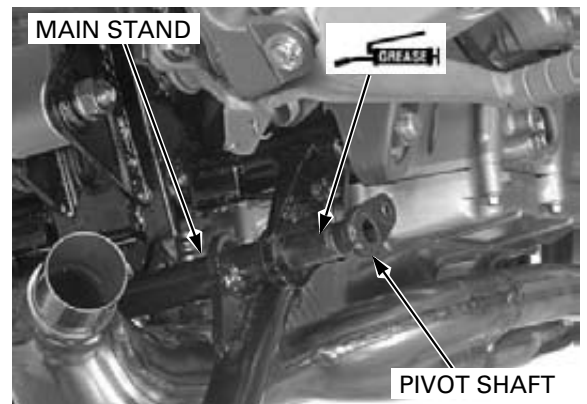
Pull the pivot shaft out and remove the main stand.



INSTALLATION

Apply multi-purpose grease to the pivot shaft sliding surfaces.

Install the main stand and pivot shaft.

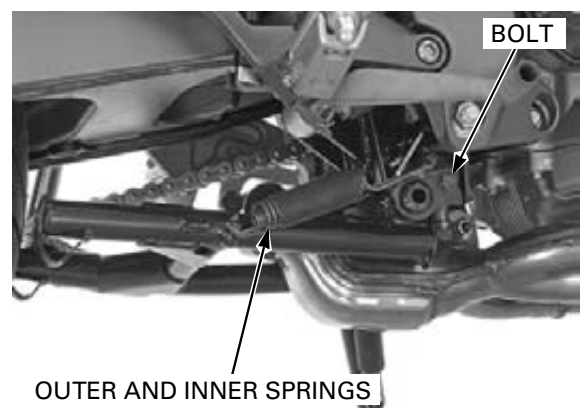


Install and tighten the pivot shaft mounting bolt.

Hook the main stand springs (outer and inner).

Install the right and left mufflers (page 3-12).

After installation, check the main stand operation.



SIDE STAND

REMOVAL/INSTALLATION

Support the motorcycle using the main stand (CBF1000A) or other support tool.

Remove the side stand switch (page 21-25).

Retract the side stand.

Unhook the side stand spring.

Hold the pivot bolt and loosen the pivot nut.

Remove the pivot nut, pivot bolt and side stand.

Installation is in the reverse order of removal.

TORQUE:

Side stand pivot bolt:

15 N·m (1.5 kgf·m, 11 lbf·ft)

Side stand pivot nut:

39 N·m (4.0 kgf·m, 29 lbf·ft)

