



Service Bulletin

American Honda Motor Co., Inc.

CBR600 #2
Revised February 2024

SAFETY RECALL

2018-2020 CBR600RR/RA Fuel Pump Replacement

BACKGROUND

Honda is launching a **SAFETY RECALL** on **CERTAIN** 2018-2020 CBR600RR/RA motorcycles to replace the fuel pump assembly. Due to a manufacturing defect, the impeller inside the fuel pump can warp or swell when exposed to fuel causing the impeller to lock in place and prevent fuel flow to the engine. A locked impeller can cause the engine to stall without warning while riding, potentially increasing the risk of a crash or injury.

AFFECTED UNITS

As of February 9, 2024, **YOU MUST NOT SELL CERTAIN NEW or USED** 2018-2020 CBR600RR/RA motorcycles until they are repaired according to this Service Bulletin.

- To search for applicable recalls on a specific unit, you **MUST** use *Unit Information on iN*.
- To manage your affected new inventory, use your dealer *eResponsibility Report on iN*.

CUSTOMER NOTIFICATION

American Honda intends to mail customer letters to all owners of affected 2018-2020 CBR600RR/RA motorcycles in April 2024. Customers will be informed that their motorcycle is affected by a safety related defect and will be advised to make an appointment with an authorized Honda dealer for repair.

PARTS INFORMATION

Parts are currently unavailable. You will be notified at a later date when you can order parts.

Model	Description	Part Number	Qty.
2018-2020 CBR600RR/RA	Fuel Pump Kit	06160-MFJ-306	1
Kit Includes:			
Description	Part Number	Qty.	
Assembly, Fuel Pump Unit	16700-MKF-D03	1	
Packing, Fuel Pump	17574-MFJ-D00	1	
Seal, Outer	17576-MFJ-D00	1	
Damper, Connector	16719-MFJ-D00	1	
Retainer	17711-S0X-931	1	

NEW

DEALER REPAIR RESPONSIBILITY

- Repairs must be performed by a qualified technician.
- Performing this repair exactly as shown in Repair Procedure instructions is critical for the remedy to be effective. Carefully follow all instructions.
- Service Management should inspect and confirm the repair.
- Dealer submission of a warranty claim affirms this repair was properly performed.

WARRANTY CLAIM INFORMATION

After completing this *Service Bulletin* update, submit one warranty claim per unit with the following template number.

MODEL	TEMPLATE	FLAT RATE
2018-2020 CBR600RR/RA	Replacement: KP8A	1.1

DEALER SUPPORT

TECHNICAL QUESTIONS

If you have any technical questions relating to this update procedure, please contact: Motorcycle TechLine Online:

iN > Service > TechLine > TechLine > TechLine Connect

Or call (800) 421-1900, option 9

WARRANTY QUESTIONS

If you have any warranty administration questions relating to warranty claim templates, and claim filing procedures, please contact:

Motorcycle Warranty Online:

iN > Service > Warranty & HondaCare > Warranty Connect Filing

Or call (800) 421-1900, option 7

FUEL PUMP REPLACEMENT

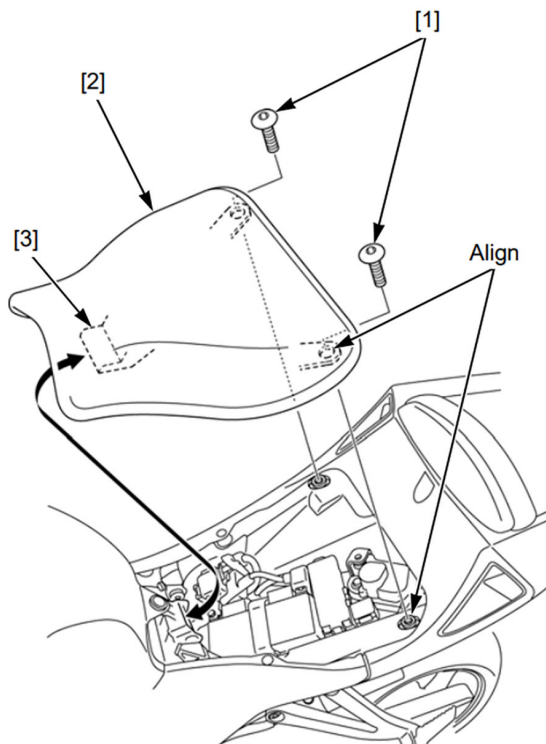
FUEL REMOVAL / REFILL

Remove as much fuel as possible from the fuel tank.

Drain the fuel into a clean container for refilling the tank after procedure is complete.

SEAT REMOVAL / INSTALLATION

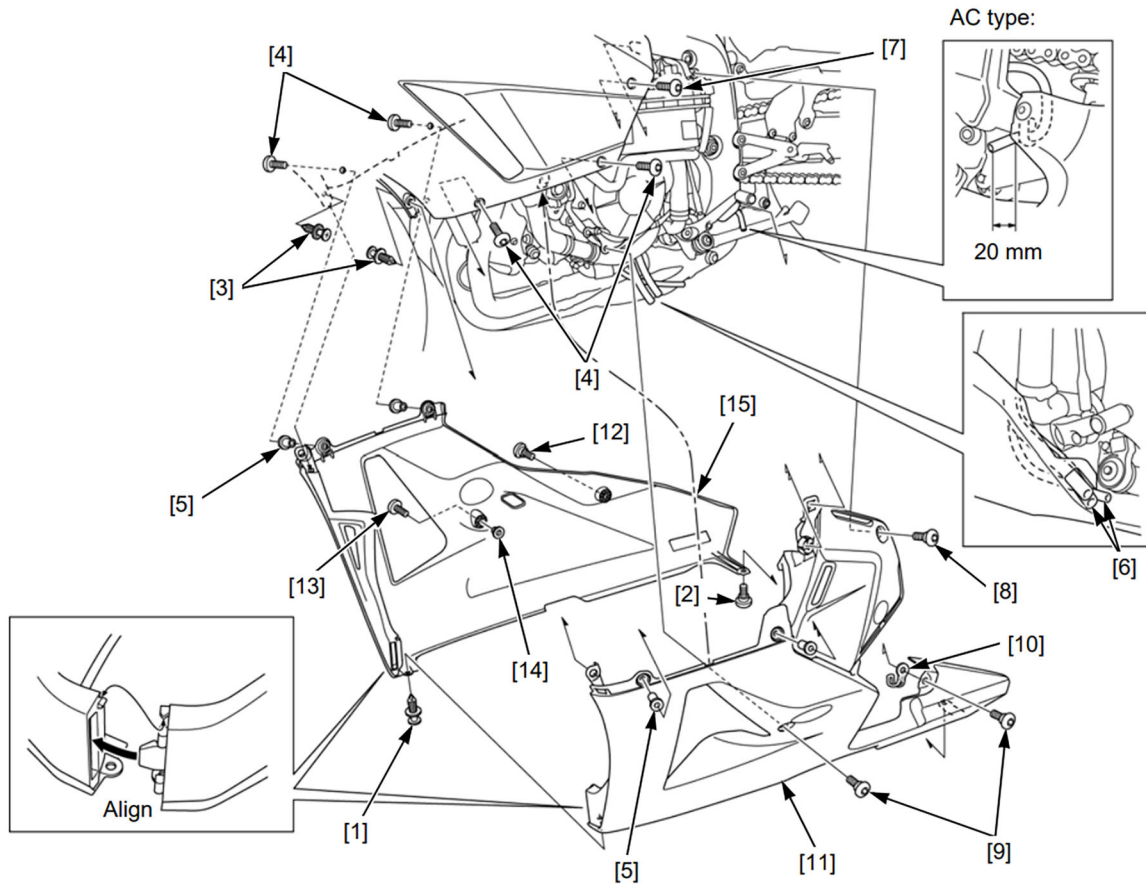
1. Remove the screws [1].
2. Remove the seat [2] by sliding it rearward.



Installation is the reverse order of removal. Be sure the tab [3] slides into the slot during installation.

LOWER COWL REMOVAL/INSTALLATION

1. Remove the trim clip [1] and right-to-left lower cowl special screw [2].
2. Remove the inner middle cowl-to-inner lower cowl trim clips [3], middle cowl-to-lower cowl screws [4] and nuts [5].
3. Left side:
Release the hoses [6] from the lower cowl. Remove the screw [7] and special screw [8] (ABS type). Remove the special screws [9], clamp [10] (AC type) and left lower cowl [11].
4. Right side:
Remove the special screw [12], screw [13], collar [14] and right lower cowl [15].



5. Installation is in the reverse order of removal.

- Align the tabs and slits of the lower cowls.
- Route the hoses properly.

TORQUE:

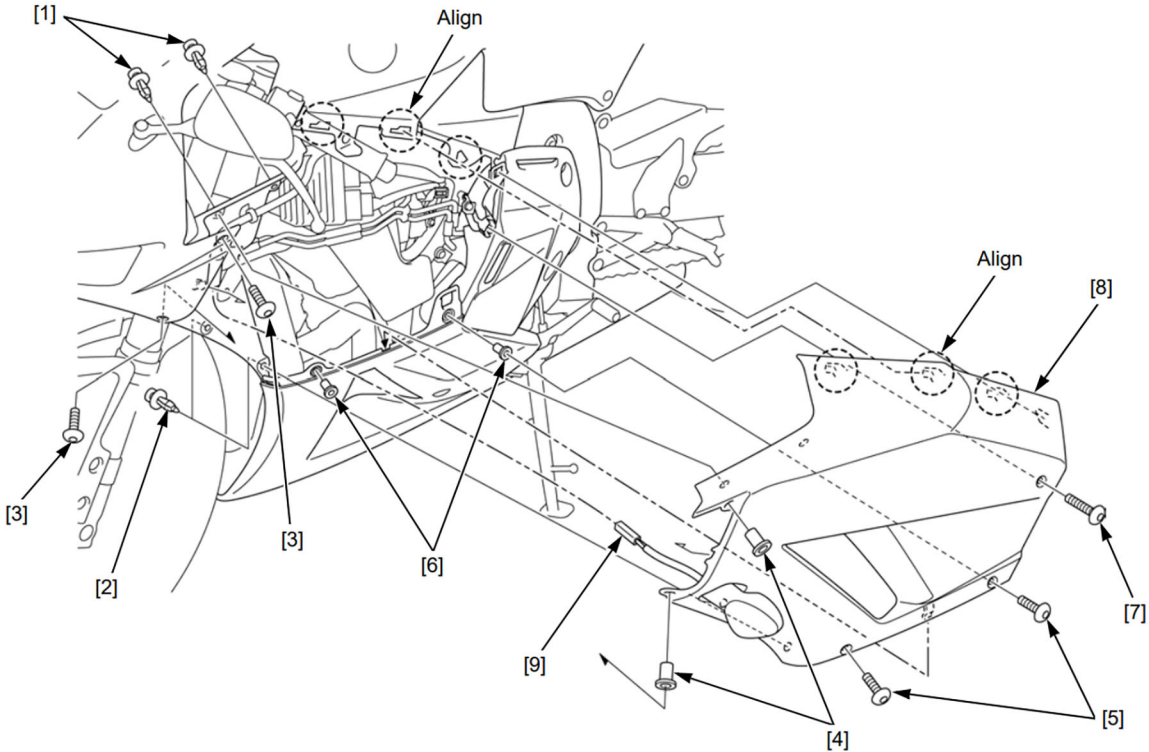
Middle cowl-to-lower cowl screw: 1.5 N·m (0.2 kgf·m, 13 in·lb)

Right-to-left lower cowl special screw: 1.5 N·m (0.2 kgf·m, 13 in·lb)

MIDDLE COWL REMOVAL/INSTALLATION

1. Remove the following:

- Inner upper cowl-to-middle cowl trim clips [1]
- Inner middle cowl-to-middle cowl trim clip [2]
- Upper cowl-to-middle cowl screws [3] and nuts [4]
- Middle cowl-to-lower cowl screws [5] and nuts [6]
- Middle cowl screw [7] and middle cowl [8]
- Disconnect the turn signal 2P connector [9]



2. Installation is in the reverse order of removal.

NOTES:

- Align the hooks with the slits.
- Route the wires properly.
- Be careful not to pinch the wires.

TORQUE:

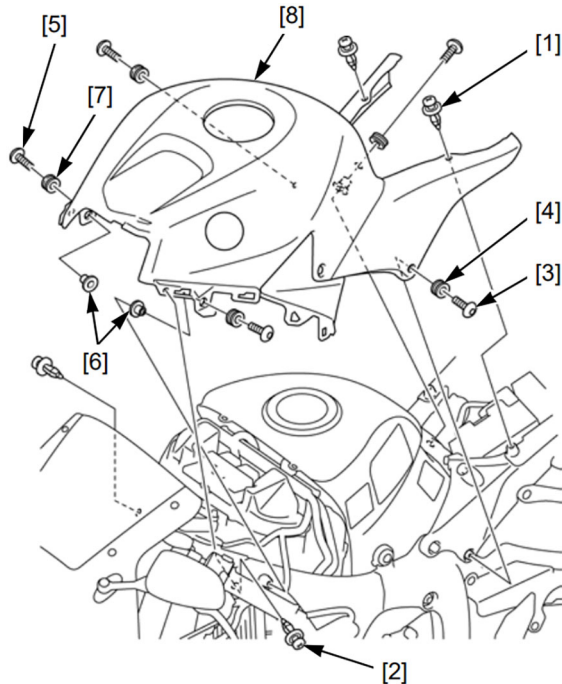
Upper cowl-to-middle cowl screw: 1.5 N·m (0.2 kgf·m, 13 in·lb)

Middle cowl-to-lower cowl screw: 1.5 N·m (0.2 kgf·m, 13 in·lb)

TOP SHELTER • SIDE COVER REMOVAL / INSTALLATION

Remove the following:

- Top shelter-to-rear fender B trim clips [1]
- Inner upper cowl-to-top shelter trim clips [2]
- Screws [3] and grommets [4]
- Screws [5], collars [6] and grommets [7]
- Top shelter/side cover assembly [8]



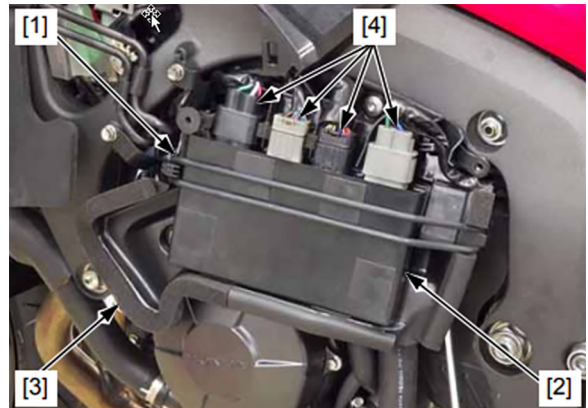
Installation is in the reverse order of removal.

NOTE:

Be careful not to pinch the wires.

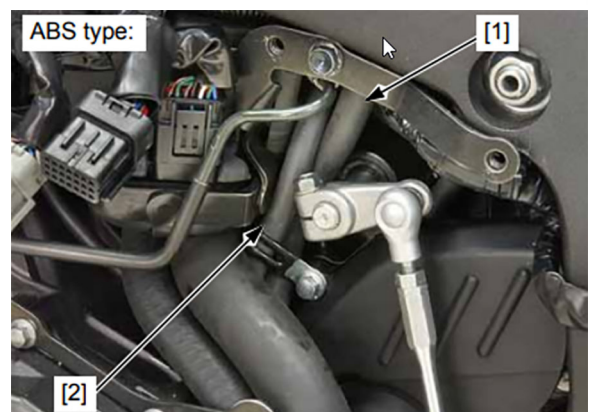
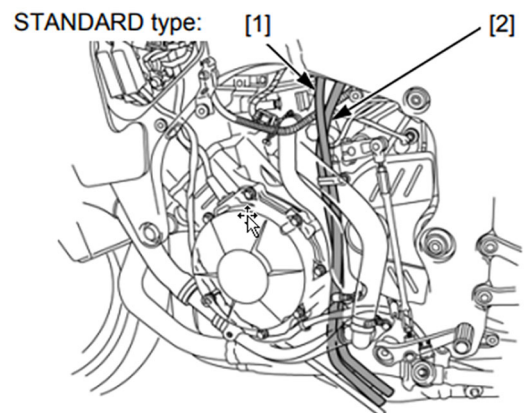
COMBINED ABS CONTROL UNIT REMOVAL / INSTALLATION

1. Remove the holder band [1].
2. Release the Combined ABS control unit [2] from the tray [3].
3. Disconnect the four connectors [4] and remove the Combined ABS control unit.



FUEL TANK LIFTING / LOWERING

1. Release the fuel tank breather hose [1] and drain hose [2].



2. Remove the fuel tank mounting bolts [3] and washers [4].

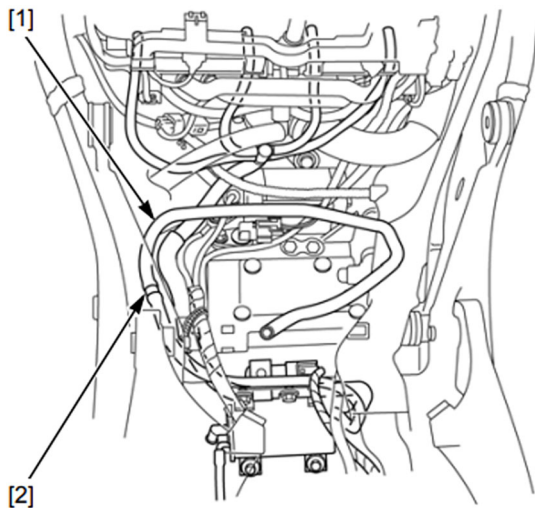
The washers have different O.D.:

- Left side: larger O.D.
- Right side: smaller O.D.



AC Type (STANDARD-type):

Disconnect the fuel tank breather hose [1] (to EVAP canister) from the hose joint [2].



AC Type (ABS-type):

Disconnect the fuel tank breather hose [1] (to EVAP canister) from the hose joint [2].

Lift the front end of the fuel tank and support it using a suitable support [1] as shown.

Lowering is in the reverse order of lifting.



NOTES:

- Guide the breather hose and drain hose so as not to be kinked or bound.
- Route the hoses properly.
- Be careful not to damage the harness and hoses.
- After installing the fuel tank, make sure the breather, drain and fuel hoses are not kinked or bound.

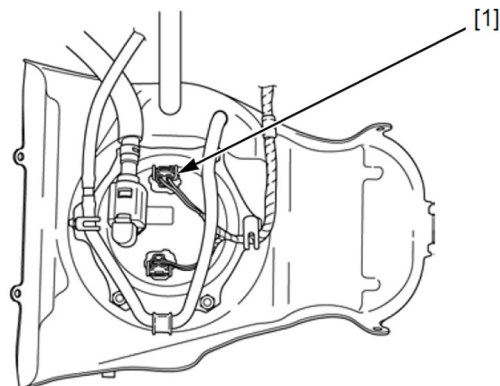
TORQUE:

Fuel tank mounting bolt:
30 N·m (3.1 kgf·m, 22 ft·lb)

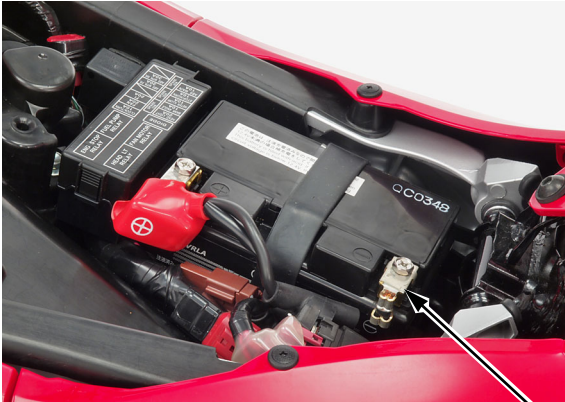
FUEL PRESSURE RELIEVING / QUICK CONNECT REMOVAL

Before disconnecting the fuel hose, relieve any fuel pressure from the system as follows:

1. Turn the ignition switch OFF.
2. Disconnect the fuel pump 2P (Brown) connector [1].



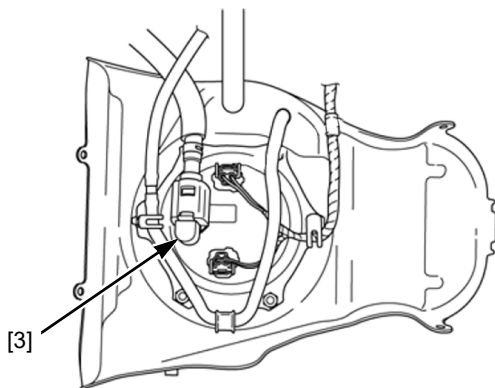
3. Start the engine and let it idle until the engine stalls.
4. Turn the ignition switch OFF.
5. Disconnect the battery negative (-) cable [2].



[2]

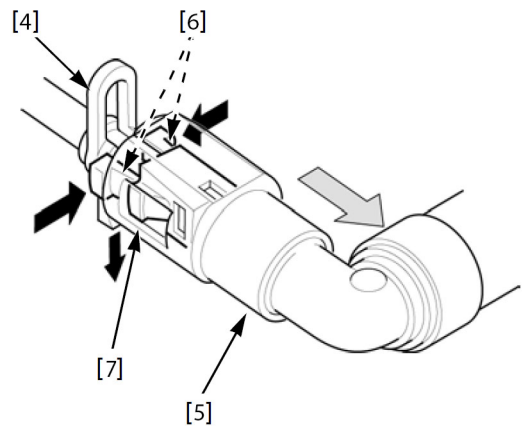
6. Check the fuel quick connect fitting [3] on the fuel pump side for dirt, and clean if necessary.

Place a shop towel over the quick connect fitting to prevent any fuel spray.



[3]

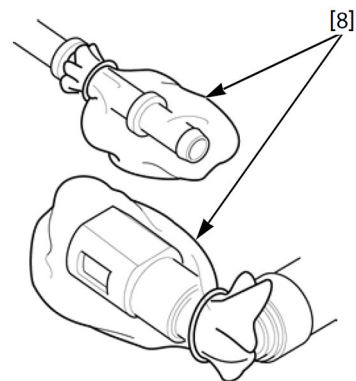
7. Pull and release the rubber cap [4] from the retainer.
8. Hold the connector [5] with one hand and squeeze the retainer tabs [6] with the other hand to release them from the locking pawls [7]. Pull the connector off, then remove the rubber damper and retainer from the fuel joint.



NOTES:

- Absorb the remaining fuel in the fuel hose from flowing out with a shop towel.
- Be careful not to damage the hose or other parts.
- Do not use tools.
- If the connector does not move, keep the retainer tabs pressed down, and alternately pull and push the connector until it comes off easily.

9. To prevent damage and keep foreign matter out, cover the disconnected connector and fuel joint with plastic bags [8].

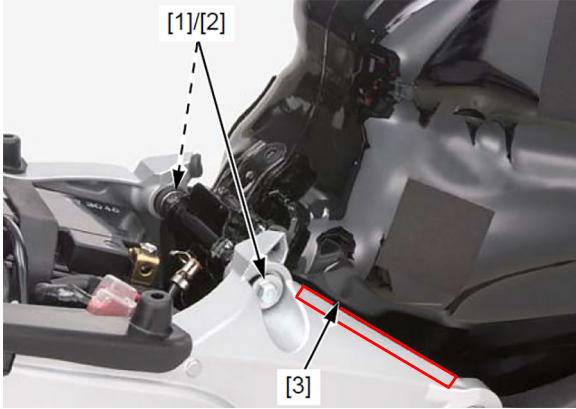


FUEL TANK REMOVAL

1. Disconnect the fuel level sensor 2P (Black) connector [1]
2. Remove the fuel tank pivot bolts [1], washers [2] and fuel tank [3].

NOTE:

Use tape on each side of the frame in this area to prevent scratches when removing the fuel tank.



Installation is in the reverse order of removal.

QUICK CONNECT FITTING INSTALLATION

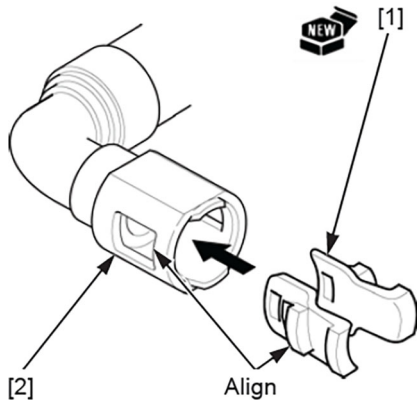
NOTES:

- Replace the retainer and the rubber cap with a new one.
- Do not bend or twist the fuel feed hose.

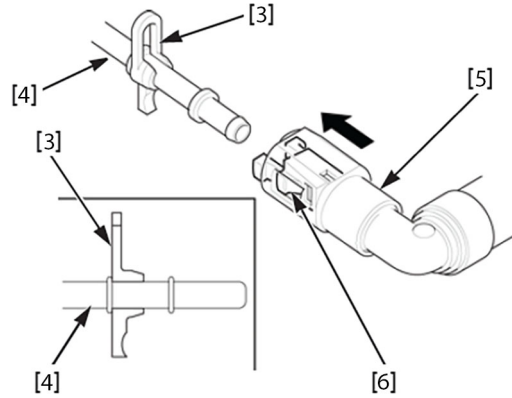
1. Insert a new retainer [1] into the connector [2].

NOTE:

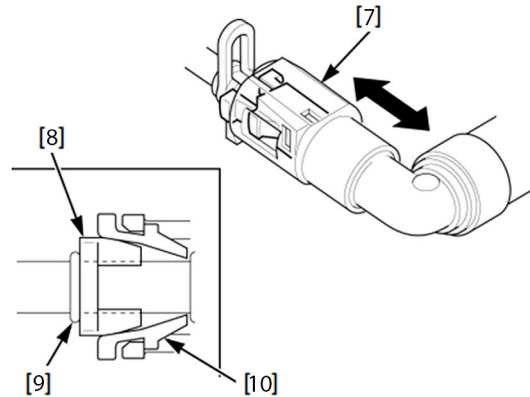
Align the retainer locking pawls with the connector grooves.



2. Install the rubber damper [1] and seat it onto the fuel joint [2] as shown. Align the quick connect fitting [3] with the fuel joint. Then press the quick connect fitting onto the pipe until both retainer pawls [4] lock with a "CLICK". If it is hard to connect, put a small amount of engine oil on the pipe end.



3. Make sure the connection is secure and that the pawls are firmly locked into place; check visually and by pulling the connector [1].
4. Make sure the rubber damper [2] is in place (between the flange [3] and retainer tab [4]).



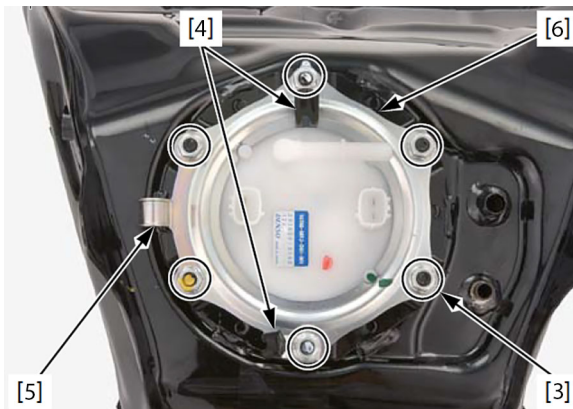
FUEL PUMP UNIT REMOVAL

1. Disconnect the breather hose [1] and drain hose [2] from the fuel tank.



2. Remove the following:

- Nuts [3]
- Wire clamps [4]
- Hose guide [5]
- Setting plate [6]



3. Remove the fuel pump unit [7] and packings [8].

NOTE:
Be careful not to damage the pump wire and fuel level gauge.



FUEL PUMP UNIT INSTALLATION

Place new packings [1] onto the fuel pump unit [2].

NOTE:
Replace the old packing with new ones.



Install the fuel pump unit to the fuel tank.

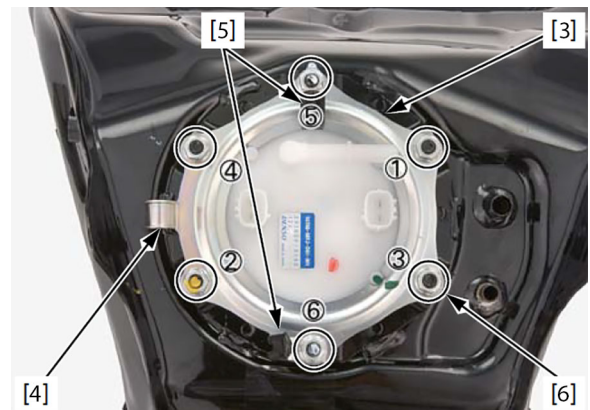
NOTICE:
Be careful not to damage the pump wire and fuel level gauge.

4. Install the following:

- Setting plate [3]
- Hose guide [4]
- Wire clamps [5]
- Nuts [6]

5. Tighten the nuts in the specified sequence to the specified torque.

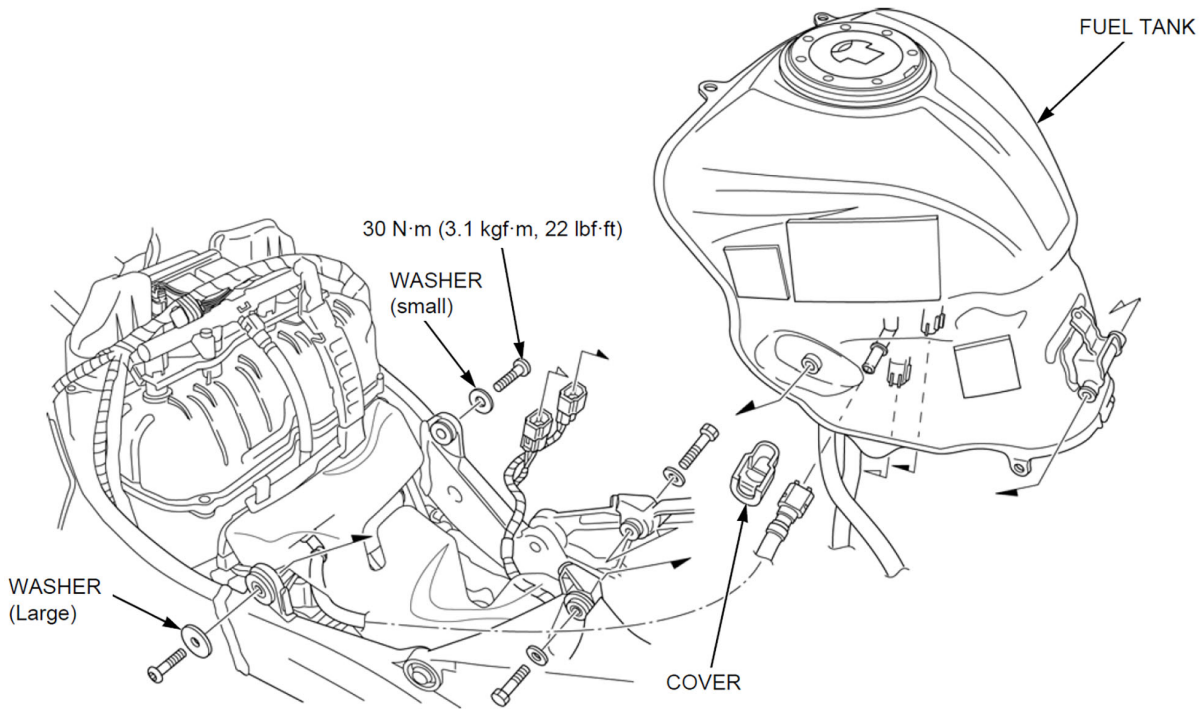
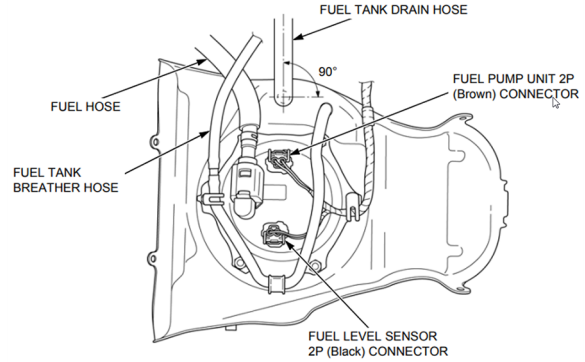
TORQUE:
12 N·m (1.2 kgf·m, 106 in·lb)



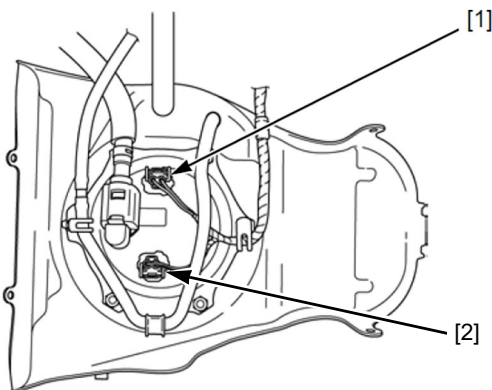
FUEL TANK INSTALLATION

Installation is in the reverse order of removal.

1. Connect the breather hose [7] and drain hose [8] to the fuel tank securely.
2. Route the hoses properly.

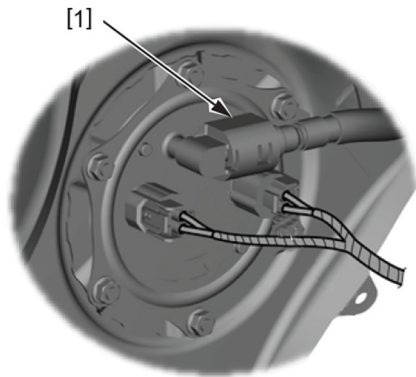


3. Connect the fuel pump 2P (Brown) connector [1] and fuel level sensor (Black) connector [2].

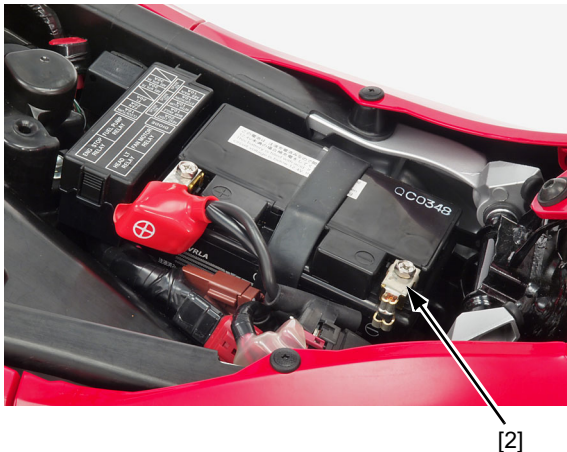


FUEL PRESSURE NORMALIZATION

1. Install the quick connect fitting cover [1] (fuel pump side only).



2. Connect the battery negative (-) cable [2].



3. Turn the ignition and engine stop switches ON.

The fuel pump will run for about 2 seconds and fuel pressure will rise.

NOTE:

Do not start the engine.

4. Turn the ignition switch OFF.
5. Repeat two or three times, and check that there is no leakage in the fuel supply system.
6. Install the following:
 - Top shelter / side cover
 - Lower cowl
 - Middle cowl
 - Main seat
7. Adjust the clock on the meter if it reset.

8. For California registered vehicles, please fill out the Vehicle Emission Recall - Proof of Correction certificate (example shown on page 12) and provide it to the customer after the Safety Recall repair has been completed.

