



Service Bulletin

American Honda Motor Co., Inc.

CBR1000 #12
Revised: December 2024

SAFETY RECALL

2017 and 2021 CBR1000RR/RA Fuel Pump Inspection / Replacement

BACKGROUND

Honda is launching a **SAFETY RECALL** on **CERTAIN** 2017 and 2021 CBR1000RR/RA motorcycles to inspect, and if necessary, replace the fuel pump assembly. Due to a manufacturing defect, the rubber impeller inside the fuel pump can warp or swell when exposed to fuel, causing the rubber 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.

AFFECTED UNITS

As of November 13, 2024, **YOU MUST NOT SELL CERTAIN NEW or USED** 2017 and 2021 CBR1000RR/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 2017 and 2021 CBR1000RR/RA motorcycles in January 2025. 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

Order the fuel pump kit listed below for any affected unit that fails the **FUEL PUMP INSPECTION** on [page 2](#) using the normal parts ordering process.

NEW

Model	Description	Part Number	Qty.
2017 and 2021 CBR1000RR/RA	Fuel Pump Kit	06160-MKF-305	1
Kit Includes:			
Description		Part Number	Qty.
Assembly, Fuel Pump Unit		16700-MKF-D42	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

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
2017 and 2021 CBR1000RR/RA	Inspection: KR3A Replacement: KR3B	0.7 0.8

DEALER SUPPORT

TECHNICAL QUESTIONS

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

iN > Service > 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

RECALL REPAIR IDENTIFICATION

Before you begin the repair procedure, verify that the unit has not already been repaired by searching *Unit Information* on ***iN***.

REPAIR OVERVIEW

Affected units must have the fuel pump inspected to determine if it has an affected LOT number by following the FUEL PUMP INSPECTION on [page 2](#).

If the fuel pump has an affected LOT number, the pump must be replaced following the FUEL PUMP REPLACEMENT procedure on [page 3](#) and then reassembled ([page 7](#)).

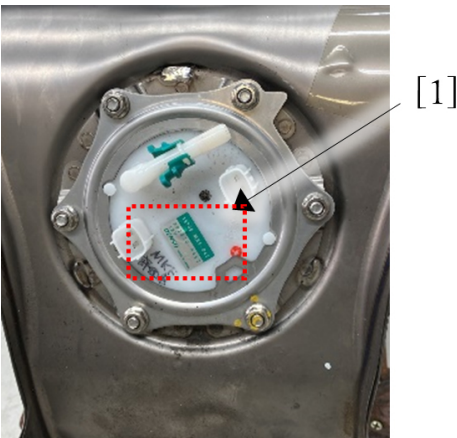
FUEL PUMP INSPECTION

Follow the procedure starting on [page 3](#), and then determine if the fuel pump has an affected part and LOT number using the information below.

If the fuel pump is affected, it must be replaced.

The fuel pump number must be inspected to determine if the fuel pump lot number is in the range to be replaced.

Inspect the identification label [1] affixed to the top of the fuel pump.



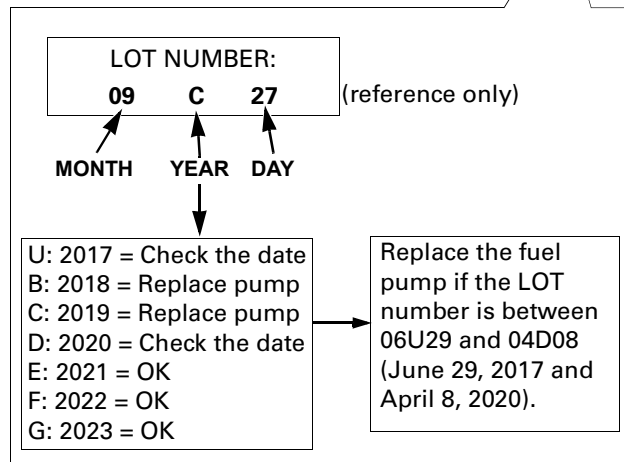
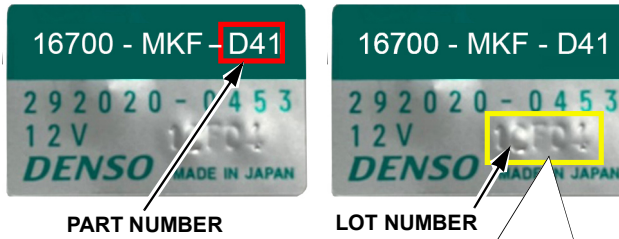
1. Check the part number of the pump.

For pumps with the last three digits of the part number **are not D41**, the pump **does not** need to be replaced and no repair is required. Proceed to filing an “Inspection Only” warranty claim.

For pumps with the last three digits of the part number **are D41**, proceed to step 2 to check the LOT number.

- Check the LOT number located in the bottom right-hand corner of the label. If the LOT number shows a production date that is between June 29, 2017 and April 8, 2020, the fuel pump must be replaced following the FUEL PUMP REPLACEMENT procedure on [page 7](#).

Reassemble the unit following the MOTORCYCLE REASSEMBLY procedure on [page 7](#).



FUEL PUMP ACCESS

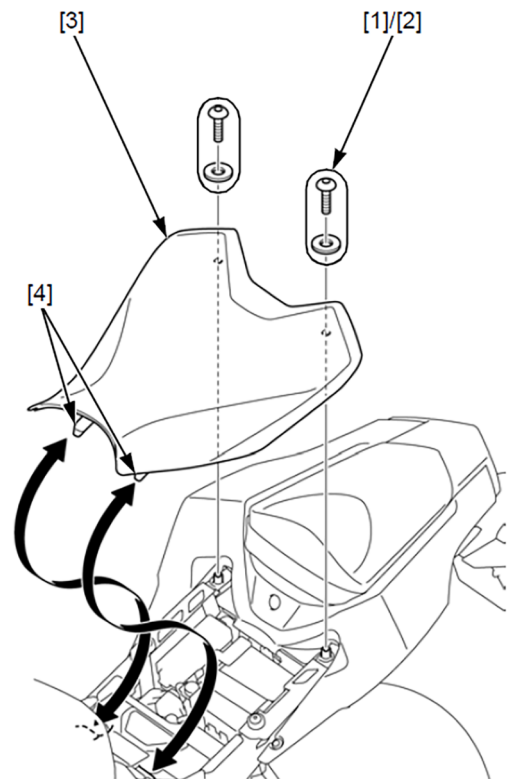
FUEL REMOVAL

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.

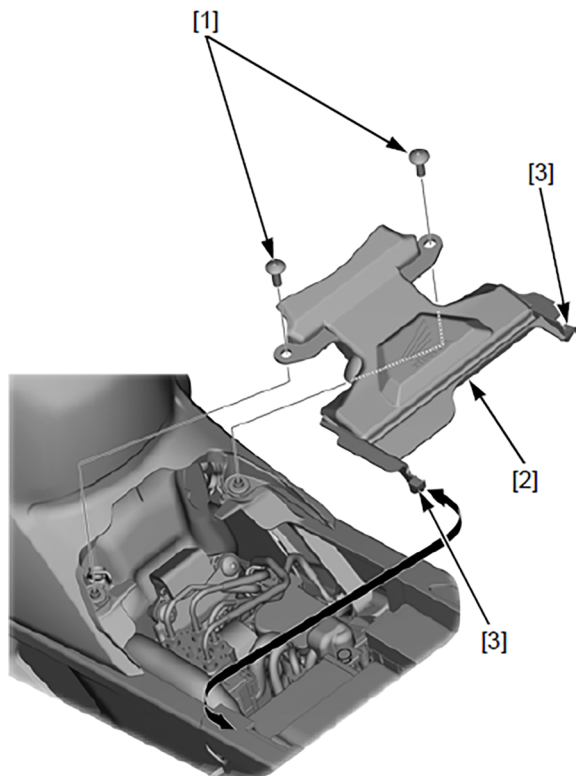
SEAT REMOVAL

- Remove the socket screws [1] and washers [2].
- Remove the main seat [3] by sliding it rearward.



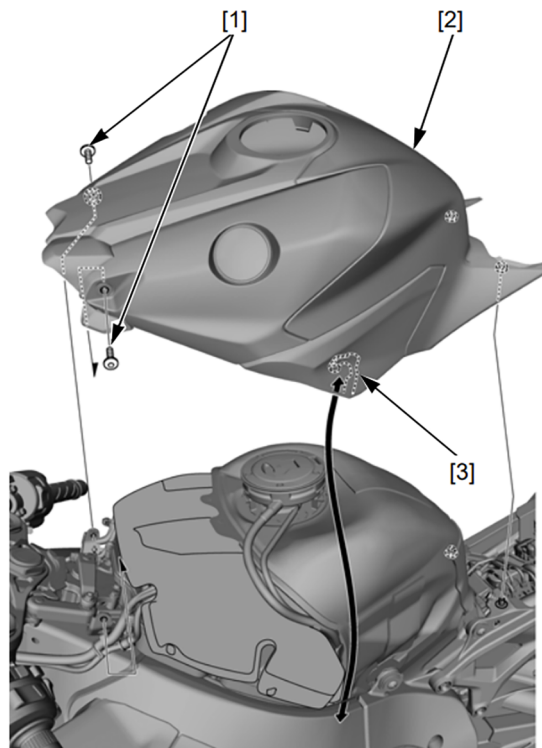
IMU COVER REMOVAL

Remove the socket screws [1] and IMU cover [2].



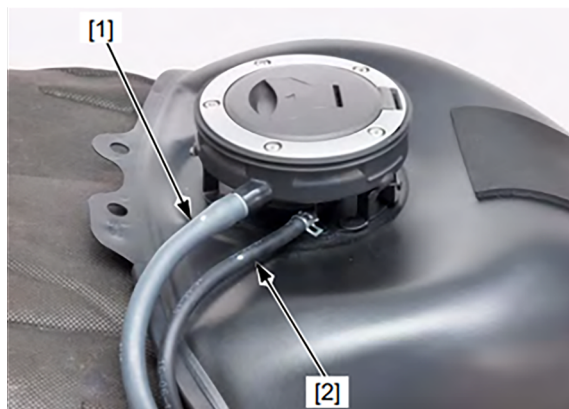
TOP SHELTER REMOVAL

Remove the socket screws [1] and top shelter [2].

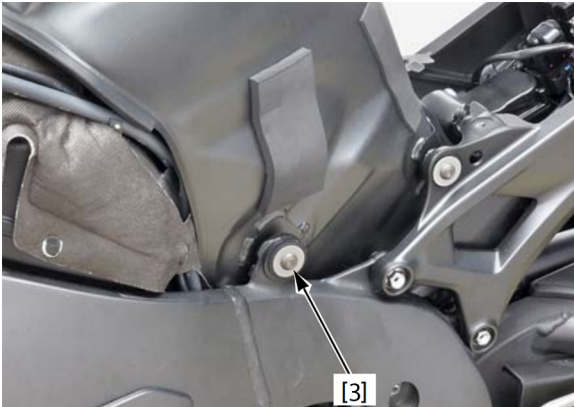


FUEL TANK LIFTING

1. Disconnect the fuel tank drain hose [1] from the fuel tank tray.
2. Disconnect the fuel tank-to-canister hose [2] from the breather joint. Plug the fuel tank-to-canister hose to prevent fuel leakage when the tank is inverted



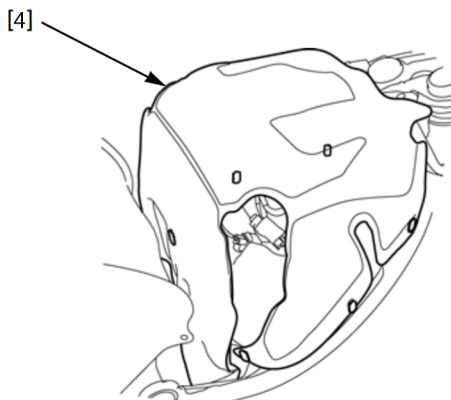
3. Remove the fuel tank mounting bolts/washers [3].



4. Lift the fuel tank front end and support the fuel tank by inserting a suitable support [4] under the tank as shown.



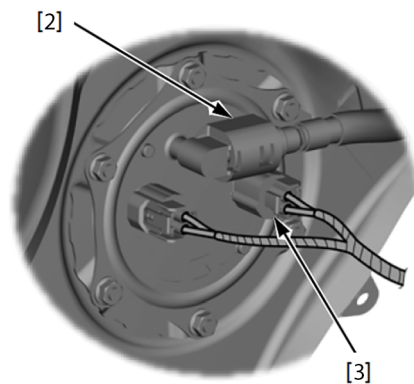
5. Remove the air cleaner cover [4].



FUEL PRESSURE RELIEVING

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

1. Turn the ignition switch OFF.
2. Lift and support the fuel tank.
3. Remove the quick connect fitting cover [2] (fuel pump side only).
4. Disconnect the fuel pump 2P (Brown) connector [3].
5. Start the engine and let it idle until the engine stalls.
6. Turn the ignition switch OFF.



7. Disconnect the battery negative (-) cable [1] from the negative (-) battery terminal.

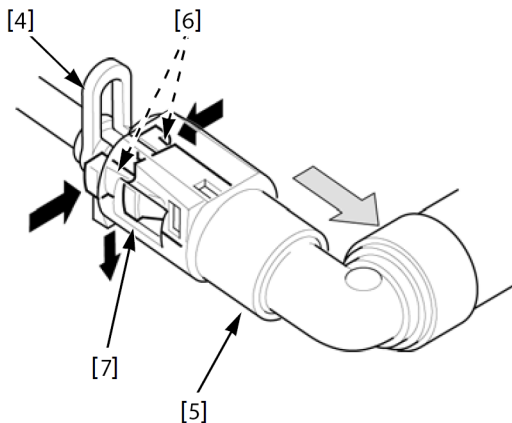


QUICK CONNECT FITTING REMOVAL

NOTES:

- Clean around the quick connect fitting before disconnecting the fuel feed hose, and be sure that no dirt is allowed to enter into the fuel system.
 - Do not bend or twist the fuel feed hose.
1. Check the fuel quick connect fitting for dirt, and clean if necessary.

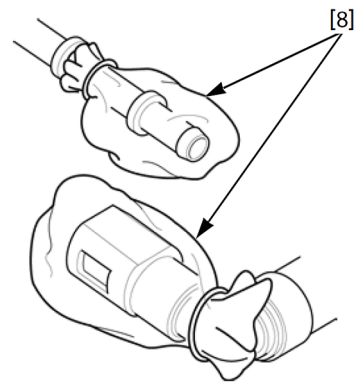
Place a shop towel over the quick connect fitting.
 2. Pull and release the rubber damper [2] from the retainer.
 3. Hold the connector [3] with one hand and squeeze the retainer tabs [4] with the other hand to release them from the locking pawls [5]. Pull the connector off, then remove the rubber damper 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.

4. To prevent damage and keep foreign matter out, cover the disconnected connector and fuel joint with plastic bags [6].

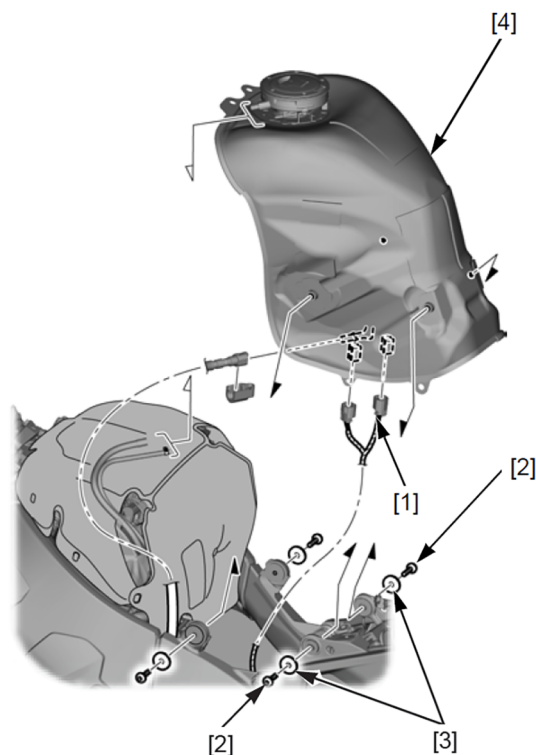


NOTE:

To prevent damage and keep foreign matter out, cover the disconnected connector and joint end with the plastic bags.

FUEL TANK REMOVAL

1. Disconnect the fuel reserve sensor 2P (Black) connector [1].
2. Remove the support, fuel tank pivot bolts [2], collars [3] and fuel tank [4].



FUEL PUMP INSPECTION

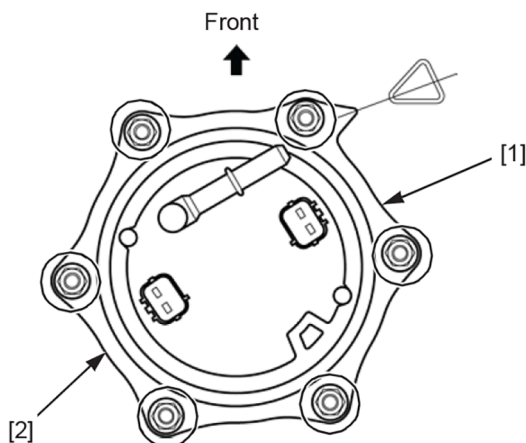
See UNIT INSPECTION on [page 2](#) for details.

If the fuel pump is not in the affected range, reassemble the motorcycle ([page 7](#)).

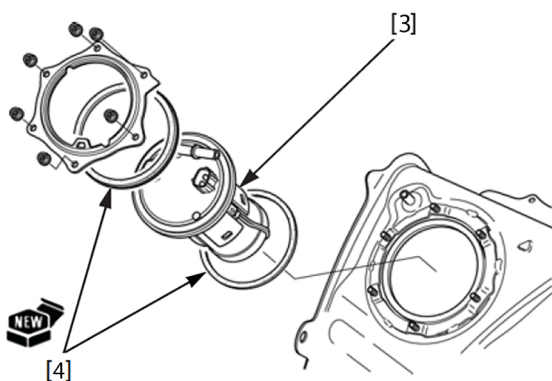
If the fuel pump is in the affected range, replace the fuel pump ([page 7](#)).

FUEL PUMP REPLACEMENT

1. Remove the fuel pump unit mounting nuts [1] and setting plate [2].



2. Remove the fuel pump unit [3] and packings [4].



NOTE:

Be careful not to damage the pump wire. Installation is the reverse order of removal.

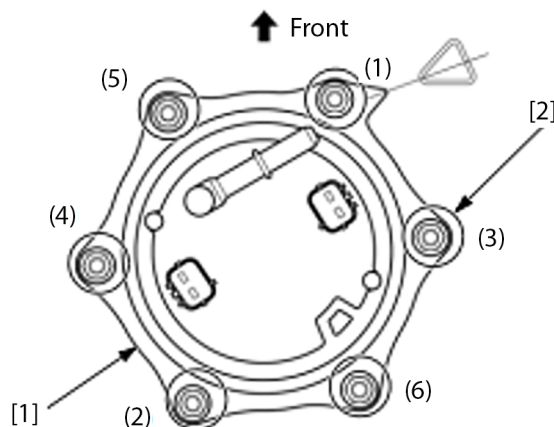
NOTES:

- Place new packings [4] onto the fuel pump unit [3].
- Install the new fuel pump unit to the fuel tank.
- Be careful not to damage the pump wire.

- Install the setting plate [2] and tighten the fuel pump mounting nuts [1] to the specified torque in the specified sequence as shown.

TORQUE:

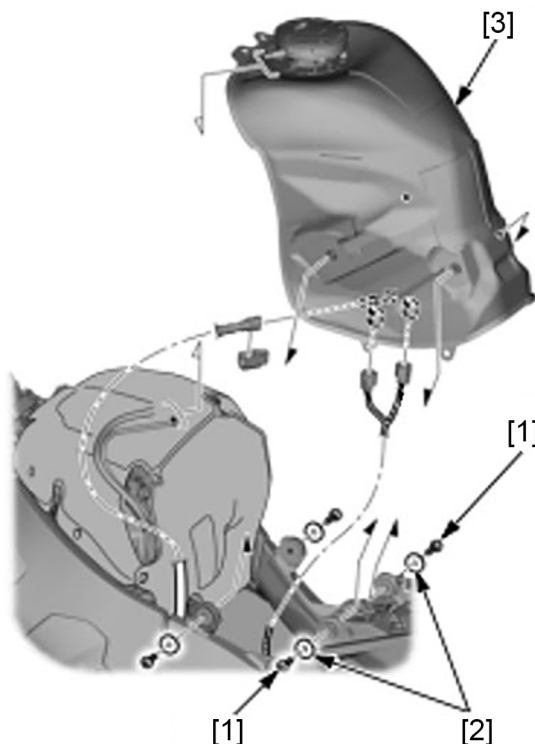
12 N·m (1.2 kg-m, 106 in·lb)



MOTORCYCLE REASSEMBLY

FUEL TANK INSTALLATION

1. Reinstall the fuel tank [3], collar [2], fuel tank pivots [1] and support.



QUICK CONNECT FITTING INSTALLATION

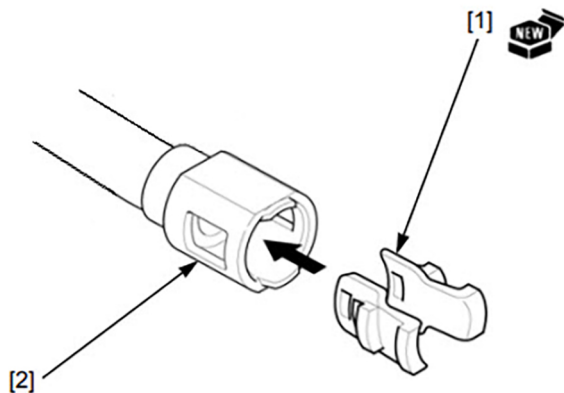
NOTE:

Do not bend or twist the fuel feed hose.

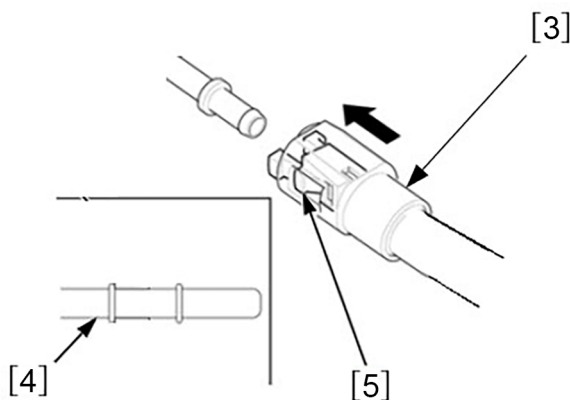
1. Insert a new retainer [1] into the connector [2].

NOTE:

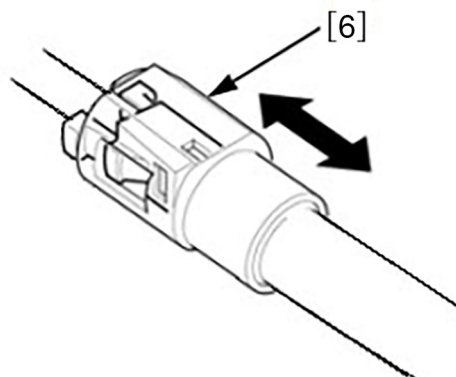
Align the retainer locking pawls with the connector grooves.



2. Align the quick connect fitting [3] with the fuel joint [4]. Then press the quick connect fitting onto the pipe until both retainer pawls [5] lock with a "CLICK". If it is hard to connect, put a small amount of engine oil on the pipe end.

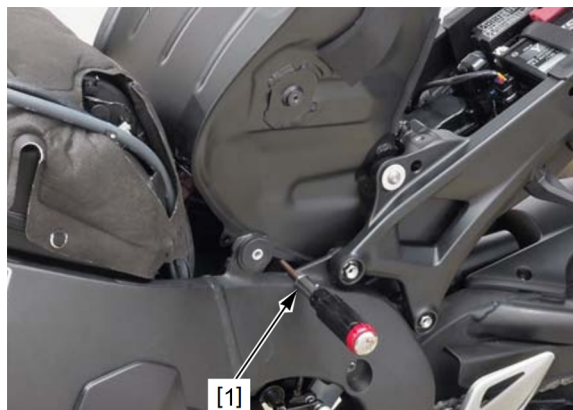


3. Make sure the connection is secure and that the pawls are firmly locked into place; check visually and by pulling the connector [6].

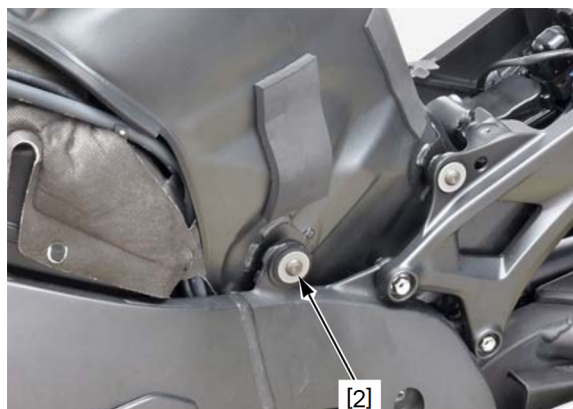


FUEL TANK LOWERING

1. Lower the fuel tank front end and remove the support [1] under the tank as shown.

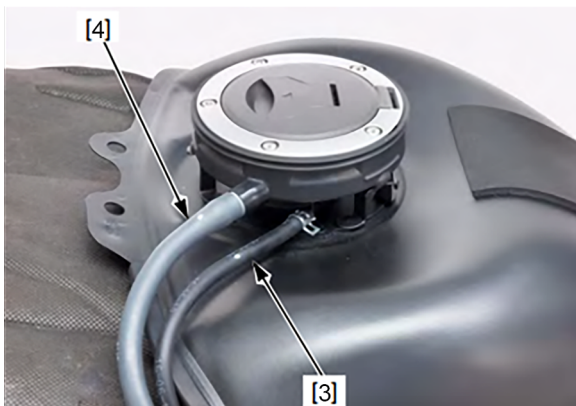


2. Install the fuel tank mounting bolts/washers [2].



3. Unplug the fuel tank-to-canister hose. Connect the fuel tank-to-canister hose/fuel tank breather hose [3] to the breather joint.

4. Connect the fuel tank drain hose [4] from the fuel tank tray.

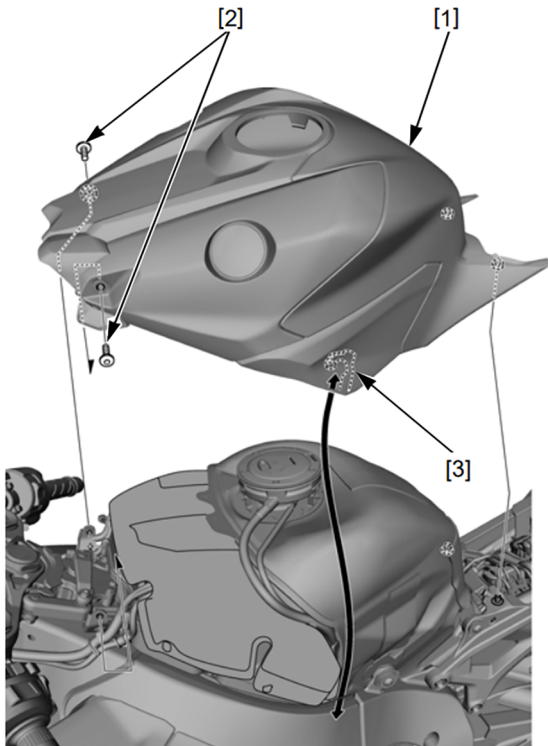


TORQUE:
Fuel tank mounting bolt:
10 N·m (1.0 kg·m, 88 in·lb)

TOP SHELTER INSTALLATION

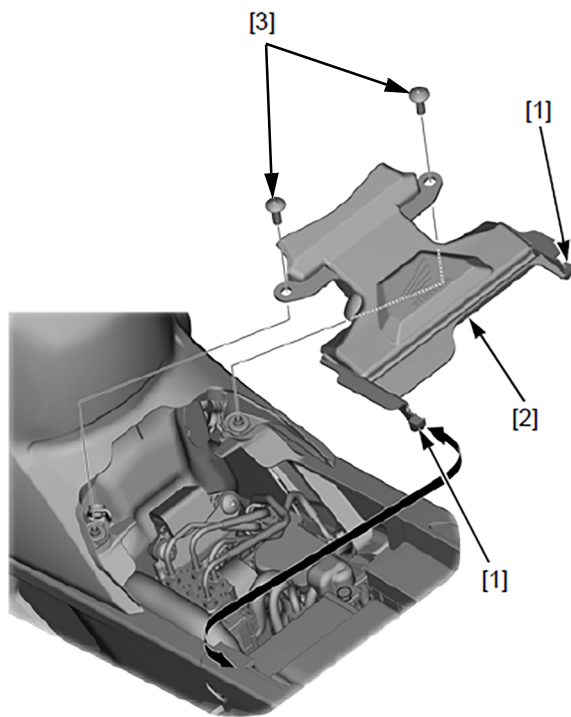
Install the top shelter [1] and the socket screws [2].

NOTE:
Hook the retainers [3] onto the frame properly.



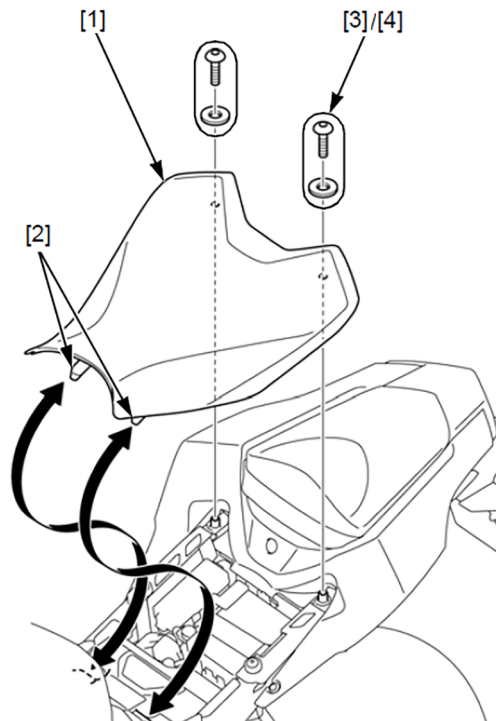
IMU COVER INSTALLATION

1. Insert the tabs [1] under the rear fender B.
2. Install the IMU cover [2] and the socket screws [3].



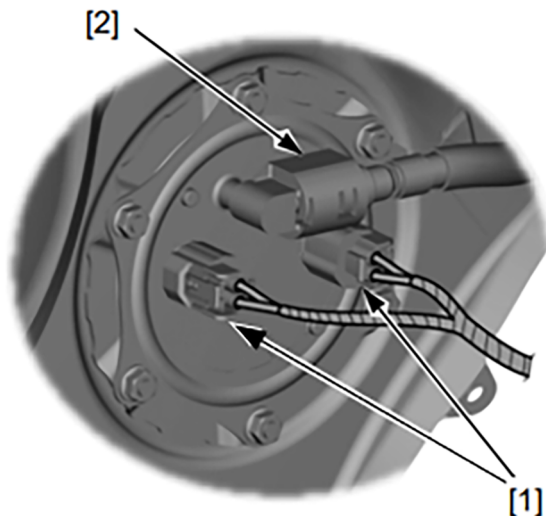
SEAT INSTALLATION

1. Install the main seat [1] by inserting the prongs [2] under the frame.
2. Install the washers [3] and socket screws [4].



FUEL PRESSURE NORMALIZATION

1. Connect the fuel pump unit 2P (Brown and Black) connector [1].
2. Install the quick connect fitting cover [2] (fuel pump side only).



3. Connect the battery negative (–) cable.



4. Turn the ignition switch ON and engine stop switch.
The fuel pump will run for about 2 seconds and fuel pressure will rise.
NOTE:
Do not start the engine.
5. Turn the ignition switch OFF.
6. Repeat two or three times, and check that there is no leakage in the fuel supply system.
7. Remove the support and close the fuel tank.
8. Adjust the clock on the meter if it reset.

The repair is complete. Start the motorcycle and test it for proper operation, and then proceed to the **WARRANTY CLAIM INFORMATION** section [page 2](#).

CALIFORNIA REGISTERED VEHICLES ONLY

The California Air Resources Board (CARB) requires this repair to be completed prior to California registration renewal. Owners whose affected vehicles have not received the required recall repairs(s) will not be able to renew their vehicle's California vehicle registration.

After completing the repair, dealers must issue a completed Vehicle Emission Recall - Proof of Correction certificate to the vehicle owner. California dealers (and any dealer repairing a California registered unit) must order the Proof of Correction certificates (item no. S0425) from Helm, Inc. Fill in the appropriate information on the certificate and give it to the customer. (See the sample below.)

NOTE: It is critical that you write down **KR3** as the Recall Number. The certificate may be requested by the California Department of Motor Vehicles at the time of vehicle registration renewal.

Write **KR3** in this section.

Vehicle Emission Recall - Proof of Correction

License Number	Make	Year Model	Body Type	Vehicle Identification Number
Manufacturer _____				Recall Number _____
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.				
Dealer's Name		Address, City, State and Zip		
_____		_____		
Date	Dealership's Authorized Signature			
_____	_____			
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.				