



Service Bulletin

American Honda Motor Co., Inc.

SAFETY RECALL

2021 CBR1000RR-R (SP) - Oil Cooler Outlet Pipe

BACKGROUND

Honda is launching a SAFETY RECALL on CERTAIN 2021 CBR1000RR-R (SP) motorcycles to install a heat guard and possibly replace the oil cooler outlet pipe. Under certain conditions, if the motorcycle is ridden in 1st gear above 5,000 rpm for an extended period, the oil cooler outlet pipe may melt due to radiant heat from the exhaust pipe. A melted oil cooler outlet pipe may leak oil, increasing the risk of a crash, injury, or fire.

AFFECTED UNITS

As of February 2, 2022, YOU MUST NOT SELL CERTAIN NEW OR USED 2021 CBR1000RR-R (SP) 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 2021 CBR1000RR-R (SP) motorcycles in March 2022. Customers will be informed that their vehicle may be affected by a safety related defect and to avoid extended 1st gear usage over 5,000 rpm. When parts are fully available in April 2022, a second mailing will advise customers of affected units to make an appointment with an authorized Honda dealer for repair.

PARTS INFORMATION

Parts will be available in limited quantities starting in late February 2022. Complete parts availability is expected in April 2022.

- Customer Units will require the Oil Cooler Pipe and Heat Guard Set (p/n: 06156-MKR-305).
- New Dealer Inventory Units will need the Heat Guard Set (p/n: 06156-MKR-306).

Both part kits are under *TechLine* control. You MUST contact *TechLine* to have this part released.

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.

PARTS INFORMATION CONTINUED

Customer Units

Model	Description	Part Number	Qty.
CBR1000SP	Set, Oil Cooler Pipe Heat Guard	06156-MRK-305	1
Kit Includes:			
Description	Part Number	Qty.	
Guard, Oil Cooler Pipe Heat	15653-MKR-D10	1	
Stay, Radiator Lower	19113-MKR-D11	1	
Rubber, Sensor MT	39963-MKF-D41	2	
Bolt, Special, (6x18)	90132-MFJ-D00	2	
Nut, 6mm	90301-473-003	2	
Collar, Heat Guard MT	90507-MKR-D10	2	
Pipe Comp, Out Oil Cooler	15660-MKR-D10	1	
O-Ring, (11.9 x 2.2)	91305-MGC-003	1	
O-Ring, (12 x 3)	91314-MCF-000	2	
Gasket, Exh Pipe	18291-MKR-D10	4**	
Packing, Muffler	18391-MGP-D60	1**	
Calking Clamp, Hose	19514-MKF-D41	2**	
Washer, Sealing (6.5mm)	90463-ML7-000	1**	
Washer, Plug Drain (12mm)	94109-12000	1**	

New Dealer Inventory Units

Model	Description	Part Number	Qty.
CBR1000SP	Set, Heat Guard	06156-MRK-306	1
Kit Includes:			
Description	Part Number	Qty.	
Guard, Oil Cooler Pipe Heat	15653-MKR-D10	1	
Stay, Radiator Lower	19113-MKR-D11	1	
Rubber, Sensor MT	39963-MKF-D41	2	
Bolt, Special, (6x18)	90132-MFJ-D00	2	
Nut, 6mm	90301-473-003	2	
Collar, Heat Guard MT	90507-MKR-D10	2	
O-Ring, (12 x 3)	91314-MCF-000	2*	
Washer, Plug Drain (12mm)	94109-12000	1**	

* Only 1 part used in this repair, discard unused part.

** Not used in this repair, discard.

TEMPLATE CLAIM INFORMATION

After completing a recall repair, immediately submit one template claim per affected VIN using the appropriate template information below.

Unit Status	Template	Flat Rate
Customer Units	KN3A	1.0
New Dealer Inventory Units	KN3B	0.8

WARRANTY QUESTIONS

If you have any warranty administration questions relating to template claims and claim filing procedures, please contact Powersports Warranty Online:

iN > Service > Warranty & HondaCare > Warranty Connect Filing

TECHNICAL QUESTIONS

If you have any technical questions relating to the repair procedure, please contact Powersports TechLine Online:

iN > Service > TechLine > TechLine Connect Or call (800) 421-1900, option 9

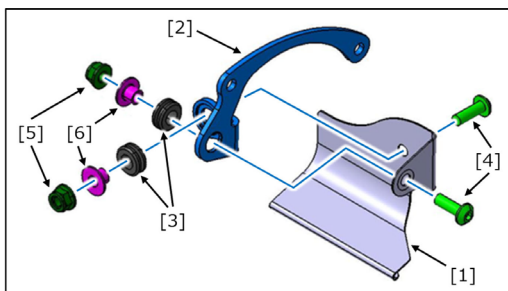
RECALL REPAIR IDENTIFICATION

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

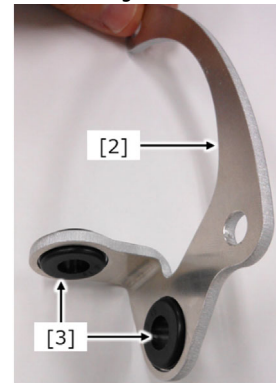
HEAT GUARD SET ASSEMBLY

Heat Guard Component Parts

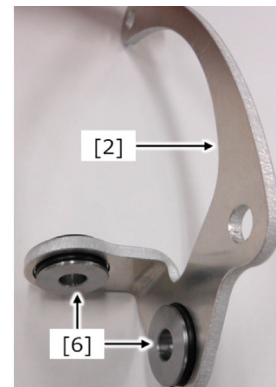
Heat Guard [1]	Radiator Stay [2]
Sensor Mount Rubber [3]	Bolt [4]
U-nut [5]	Collar [6]



1. Fit the sensor mount rubbers [3] to the radiator lower stay [2].

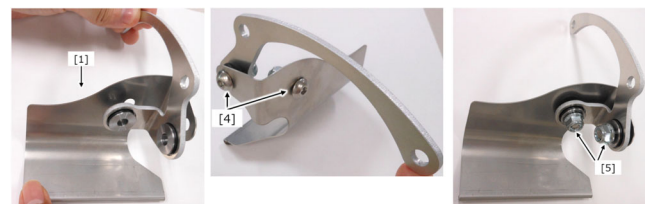


2. Install the collars [6] to the radiator lower stay [2].



3. Combine the sub-assembled radiator lower stay to the heat guard [1], thread the bolts [4] through both holes, then tighten the U-nuts [5].

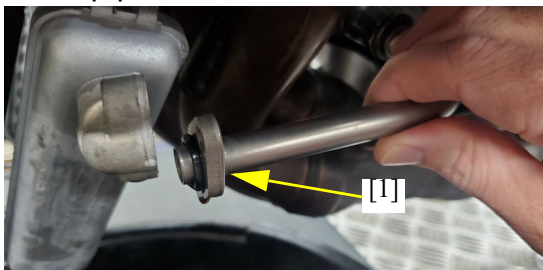
- TORQUE: 10 N·m (7 lbf·ft).



RECALL REPAIR PROCEDURE

NOTE: Perform the repair with the motor-cycle on the sidestand.

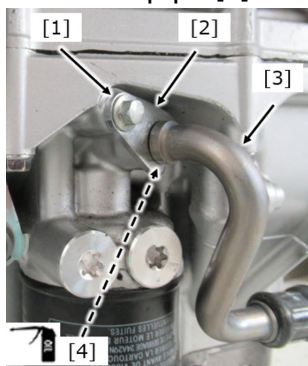
1. Remove the lower left and right cowls, and oil cooler grille bumper seal clips.
 - Refer to the service manual for instructions.
2. Using a clean drain pan, to allow for reuse of the drained oil, disconnect the oil cooler outlet pipe from the oil cooler [1].



NOTE: Leaving the bike on the sidestand allows for the oil cooler outlet pipe to drain.

For New Dealer Inventory Units, proceed to step 5.

3. Disconnect the oil cooler outlet pipe from the engine.
 - Remove the bolt [1], oil pipe plate [2], oil cooler outlet pipe [3].

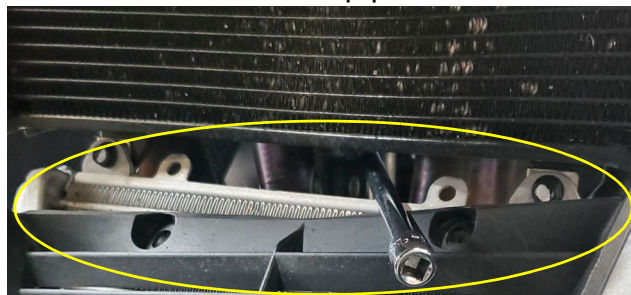


NOTE:

- In the photo above, the exhaust pipe is removed for illustration purposes only. Exhaust pipe removal is not required for this repair.



- To ease access to the oil pipe plate bolt for the engine side of the oil cooler outlet pipe, use a 1/4 inch socket extension with a U-joint socket adapter in the gap between the top of the oil cooler and the bottom of the radiator, between the #2 and #3 exhaust pipes.



4. Install the new oil cooler outlet pipe to the engine. Reinstall the oil pipe plate and bolt.

- TORQUE: 10 N·m (7 lbf·ft).

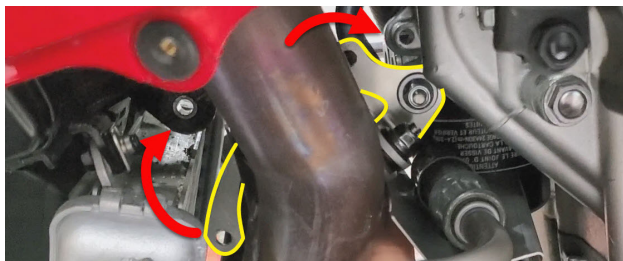
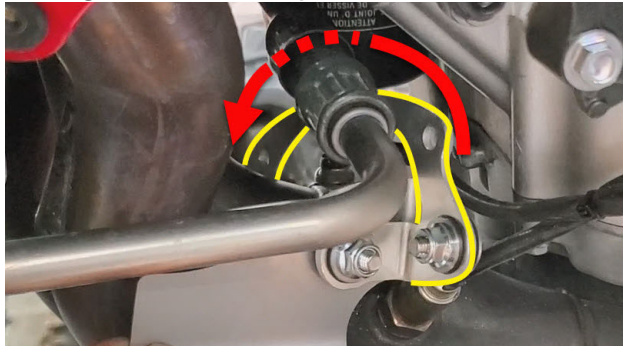
NOTE:

- When replacing the oil cooler outlet pipe, be sure to use new O-rings from the repair kit.
- Apply engine oil to the O-ring prior to installation.

5. Install the assembled heat guard set.

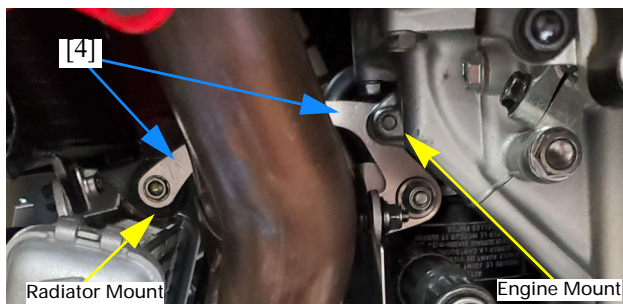
- While installing the heat guard, be sure not to force the guard into position. Doing so could damage the guard or surrounding components

- From the left side of the motorcycle, place the heat guard radiator stay over the exhaust pipe, just in front of the oxygen sensors. Then angle the heat guard radiator stay down and between the #2 and #3 exhaust pipes, and turn 90° to the front while raising the heat guard set into position.



NOTE:

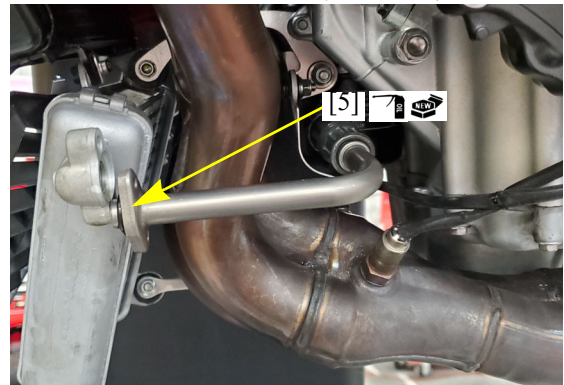
- Position the radiator stay [4] to the left side of the radiator mount and to the right side of the engine mount.
- TORQUE: 10 N·m (7 lbf·ft)



- Apply engine oil to the new O-ring prior to installation on the oil cooler outlet pipe.

- Connect the oil cooler outlet pipe to the oil cooler [5] and torque the mounting bolts.

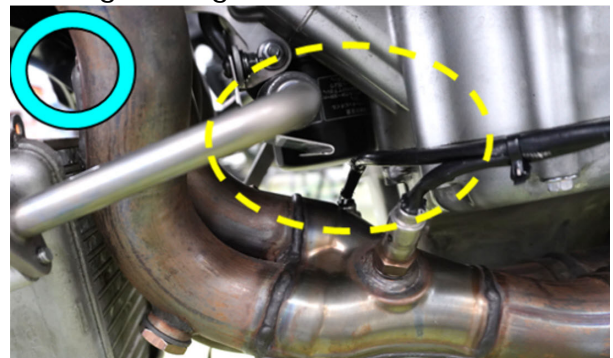
- TORQUE: 10 N·m (7 lbf·ft)



- Add the drained oil from the oil cooler outlet pipe back into the engine.

NOTE:

- Be careful not to let the A/F sensor wire touch the heat guard. Handle the A/F sensor with care.
- Be sure oil level is correct prior to starting the engine.



- Start the engine and check for leaks from the newly installed oil cooler outlet pipe.

- Install the lower cowls.

- Refer to the service manual for instructions.

TEXT OF CUSTOMER LETTER