

June 4, 2019

Version 1

Safety Recall: 2017-18 Fuel Cell Clarity: FC Electric Water Pump Product Update: 2017-18 Fuel Cell Clarity Fuel Cell Stack Replacement

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2017-18	Clarity Fuel Cell	ALL	Check the iN VIN status for eligibility.

⚠ WARNING

Failure to properly vent the hydrogen tanks and fuel lines prior to the fuel cell stack replacement can result in hydrogen gas leaks.

Hydrogen gas is flammable and highly explosive. You can be seriously injured or killed if the leaking hydrogen gas is ignited.

Turn off the fuel cell system, and keep heat, sparks, and flames away.

Always follow the precautions for the fuel cell system listed in the service information.

The power cables carry high voltage when the fuel cell system is energized. To avoid serious injury from electrical shock, do not turn on the system with the power cables disconnected.

BACKGROUND

The fuel cell (FC) system uses an electric water pump to circulate insulating fluid and remove excess heat from the fuel cell stack. During manufacturing, the water pump's magnetic surface was not treated for corrosion resistance. Over time, the corrosion may prevent the water pump's motor from starting, which will prevent the vehicle from starting. If this happens while driving, the vehicle can only be driven for a short distance at greatly reduced power.

There are three similar bulletins for the 2017-18 Fuel Cell Clarity:

19-006, *Product Update: Clarity Fuel Cell Stack Replacement*

19-050, *Safety Recall: 2017-18 Fuel Cell Clarity: FC Electric Water Pump*

19-054, *Safety Recall: 2017-18 Fuel Cell Clarity: FC Electric Water Pump and Fuel Cell Stack / Product Update: 2017-18 Fuel Cell Clarity Fuel Cell Stack Replacement*

Do an iN VIN status inquiry, and follow the repair procedure in the indicated bulletin.

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the customer or anyone else harmed as a result of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the FC electric water pump and fuel cell stack.

PARTS INFORMATION

Part Name	Part Number	Quantity
Electric Water Pump Assembly	3H300-5WM-A04	1
Fuel Cell Stack*	3A100-5WM-A30	1
Stack Kit*	063A0-5WM-305	1
Ion Filter	3H450-5WM-A01	1
Honda Genuine Fuel Cell Insulating Fluid - 50% Prediluted Formulation	OL999-9014	2
Antifreeze/Coolant	OL999-9011	1

*These controlled parts require the VIN of an affected vehicle to place an order.

WARRANTY CLAIM INFORMATION

Submit both repairs as separate claims.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
3101GS	Product Update: Replace the fuel cell stack.	13.4 hr	6CJ00	M3S00	A19054A	3A100-5WM-A30

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1141AL	Safety Recall: Replace the FC electric water pump.	0.2 hr	6WP00	T5200	A19054B	3H300-5WM-A02

Skill Level: Fuel Cell Certified Technician

NOTE

Make sure you indicate the VIN, mileage, and date on the replaced part and its box.

REPAIR PROCEDURE

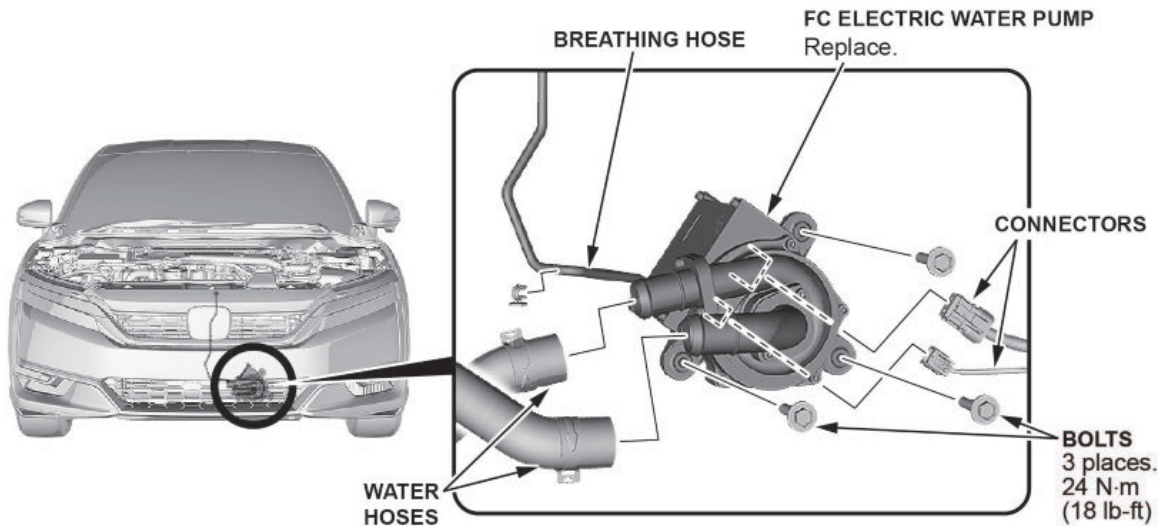
NOTES

- When working on or around the fuel cell system, pay attention to the service precautions for the fuel cell system.
 - Refer to the job aid *Fuel Cell Service Equipment Kit and Portable Vent Stack* for proper venting procedures.
1. Remove the fuel cell stack as described in the service information. Click [HERE](#) to watch a video on fuel cell stack removal.

NOTE

After the fuel cell stack has been removed, go to step 2 of this bulletin to replace the FC electric water pump.

2. Disconnect both water hoses from the FC electric water pump.



3. Remove the three FC water pump mounting bolts.
4. Disconnect the breathing hose.
5. Move the FC electric water pump out of the way and disconnect two connectors located behind it.
6. Install a new FC electric water pump in the reverse order of removal.
7. Once the new FC electric water pump is installed. Go back to the service information to install the fuel cell stack.

END