



Safety Recall R07 Fuel Rail Crossover Hose

Models

2015 (LA) Dodge Challenger SRT

(LD) Dodge Charger SRT

NOTE: This recall applies only to the above vehicles equipped with a 6.2L supercharged engine (sales code ESD) built through February 05, 2015 (MDH 020514).

IMPORTANT: Many of the vehicles within the above build period have already been inspected or repaired and, therefore, have been excluded from this recall.

IMPORTANT: Some of the involved vehicles may be in dealer vehicle inventory. Dealers should complete this repair on these vehicles before retail delivery. Dealers should also perform this repair on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The fuel rail crossover hose on about 110 of the above vehicles may leak fuel. The fuel rail crossover hose may have been damaged during the manufacturing process. The damage cannot be reliably detected and may cause a fuel leak without warning. A leaking engine fuel rail crossover hose, in the presence of an ignition source, could cause an underhood fire.

Repair

The left fuel rail and crossover hose must be replaced.

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Parts Information

Part Number

Description

CBA0R071AA Rail Assembly, Fuel Injector

Each package contains the following components:

Quantity Description

1 Rail, Left Side Fuel (with crossover hose, fuel injectors and O-rings)

Each dealer to whom vehicles in the recall were assigned will receive enough Fuel Injector Rails to service about 20% of those vehicles.

Parts Return

No parts return required for this campaign.

Special Tools

The following special tools are required to perform this repair:

- > NPN wiTECH VCI Pod Kit
- NPN Laptop Computer
- ▹ NPN wiTECH Software

Service Procedure

WARNING: THE FUEL SYSTEM IS UNDER CONSTANT PRESSURE OFF. EVEN WITH ENGINE BEFORE SERVICING FUEL THE INJECTOR RAIL, THE FUEL SYSTEM PRESSURE MUST BE **RELEASED. FAILURE TO FOLLOW THIS WARNING MAY RESULT IN** SERIOUS OR FATAL INJURY.

- 1. Use the following procedure to release the fuel pressure from the fuel injection fuel rail:
 - a. Remove the fuel pump relay from the Power Distribution Center (PDC).

NOTE: The fuel pump relay is located in cavity number 72 of the PDC located next to the battery in the trunk (Figure 1).

- b. With the fuel pump relay removed, start and run the engine until it stalls.
- c. Attempt restarting engine until it will no longer run.
- d. Turn the ignition to the "OFF" position.
- e. Install the fuel pump relay into cavity number 72 of the PDC (Figure 1).

NOTE: Removing the fuel pump relay and releasing the fuel pressure from the fuel system may generate Diagnostic Trouble Codes (DTC's). Use the wiTECH scan tool to erase DTC's after the repairs are complete.



Figure 1 – Fuel Pump Relay Location

Service Procedure (Continued)

- 2. Disconnect and isolate the negative battery cable (Figure 1).
- 3. Remove and save both engine fuel injector covers (Figure 2).
- 4. Using compressed air, blow air around each injector on the left fuel rail to remove any debris that may have collected around the fuel injectors, supercharger and/or intake manifold area (Figure 3).



Figure 2 – Fuel Injector Covers

CAUTION: Failure to clean the injector area with compressed air could allow debris to enter the engine when the fuel injectors are removed.



Figure 3 – Clean Injector Area with Compressed Air

5. For LA vehicles, continue with Step 6 of this procedure.

For LD vehicles only, use the following procedure to remove the cowl panel and cross-car beam:

a. Remove and save the windshield wiper arms (Figure 4).

b. Remove and save the plastic cowl panel (Figure 4).



Figure 4 – Cowl Panel

Service Procedure (Continued)



Figure 5 – Windshield Wiper Module

c. Remove and save the windshield wiper module (Figure 5).

d. Disconnect the electrical connect from the right side of the cross-car beam (Figure 6).



Figure 6 – Electrical Connector

Service Procedure (Continued)

- e. Remove and save the right and left side cross-car beam mounting bolts (Figure 7).
- f. Remove and save the cross-car beam (Figure 7).
- g. Remove and save the windshield wiper module plastic tub (Figure 8).
- h. Continue with Step 6.



Figure 7 – Cross-Car Beam Bolts (right side shown)



Figure 8 – Windshield Wiper Module Plastic Tub

Service Procedure (Continued)



Figure 9 – Crossover Hose Quick Connect Fitting Location (LA Vehicle Shown)

6. Disconnect the fuel pressure sensor wire harness connector located next to the left fuel rail crossover hose quick connect fitting (Figure 9).

NOTE: To access the fuel pressure sensor wire harness connector, reach behind the supercharger from the left side of the vehicle.

7. Disconnect the left fuel rail crossover hose quick connect fitting from right fuel rail (Figure 9).

NOTE: To access the left fuel rail crossover hose quick connect, reach behind the supercharger from the left side of the vehicle.

Service Procedure (Continued)



Figure 10 – Fuel Injector Wire Harness Connectors

- 8. Disconnect the left side fuel injector wire harness connectors for each fuel injector and position the wire harness aside (Figure 10).
- 9. Remove and save the left fuel rail retaining bolts (Figure 10).
- 10. Gently rock and lift the left fuel rail until the fuel injectors just start to clear the machined holes in the supercharger (Figure 11).



Figure 11 – Rock and Lift Fuel Injector Fuel Rail

Service Procedure (Continued)

11. Remove the left fuel rail, with fuel injectors attached, from the engine (Figure 12).

CAUTION: Note the routing of the crossover hose before removing the fuel rail and crossover hose assembly.

12. Using a 11/32 nut driver (or equivalent) and a lint free cloth, apply a small amount of brake cleaner to the lint free cloth and clean out each of the fuel injector machined bores in the supercharger (Figure 13).



Figure 12 – Left Fuel Rail and Crossover Hose



Figure 13 – Clean Fuel Injector Machined Bores

Service Procedure (Continued)

- 13. Apply a light coat of engine oil to the green fuel injector O-rings (Figure 14).
- 14. Loosely place the new fuel injector rail into position on the engine.
- 15. Position the fuel injector nozzles into the machined bores of the supercharger and correctly route the fuel rail crossover hose between the supercharger and coolant hoses.
- 16. Push the fuel rail down until the fuel injectors have bottomed on intake manifold shoulders.



Figure 14 – Apply a light Coat of Motor Oil onto Green Fuel Injector O-Rings

CAUTION: Use care not to damage the fuel injector O-ring.

- 17. Install the left fuel rail retaining bolts and tighten to 89 in. lbs. (10 N·m) (Figure 10).
- 18. Connect the left side fuel injector wire harness connectors to each fuel injector (Figure 10).
- 19. Connect the left fuel rail cross-over to the right fuel rail (Figure 9).
- 20. **For LD vehicles only**, use the following procedure to install the cowl panel and cross-car beam:

a. Install the windshield wiper module plastic tub.

- b. Install the cross-car beam. Tighten the four mounting bolts to 9 ft. lbs. (12 $N \cdot m$).
- c. Install the windshield wiper module. Tighten the retaining bolts to 71 in. lbs. (8 N·m).
- d. Secure the electrical connector to the cross-car beam.
- e. Install the plastic cowl panel.
- f. Install the right and left wiper arms. Tighten the arm nuts to 13 ft. lbs. (18 N·m).

NOTE: Be sure that the wiper blades line up between the two alignment dots on the windshield before tightening the wiper arm retaining nuts.

Service Procedure (Continued)

- 21. Connect the fuel pressure sensor wire harness connector.
- 22. Install both engine fuel injector covers (Figure 2).
- 23. Connect the negative battery cable (Figure 1).
- 24. Start the engine and check for fuel leaks at the fuel injector rail and fittings.
- 25. Connect the wiTECH scan tool to the vehicle and clear all Diagnostic Trouble Codes (DTC's).
- 26. Remove the wiTECH and return the vehicle to the customer.

Completion Reporting and Reimbursement

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by FCA Canada to record recall service completions and provide dealer payments.

Parts listed on any campaign are required for the repair but may not always be eligible for reimbursement. As stated in the Service Administration Manual; Normal shop supplies, such as general-purpose cleaners, solvents, lubricants, etc. submitted on claims are subject to non-payment or chargeback.

Use one of the following labour operation numbers and time allowances:

	Labour Operation <u>Number</u>	Time Allowance
Replace left fuel rail and crossover hose (LA Models)	14-R0-71-82	0.5 hours
Replace left fuel rail and crossover hose (LD Models)	14-R0-71-83	1.1 hours

Owner Notification and Service Scheduling

All involved vehicle owners known to FCA Canada are being notified of the service requirement by mail. They are requested to schedule appointments for this service with their dealers. A copy of the owner letter is attached.

Enclosed with each owner letter is a Service Authorization Card to allow owners to update our records if applicable.

Vehicle Lists, Global Recall System, VIP and Dealer Follow Up

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for studio inquiry as needed.

GRS provides involved dealers with an <u>updated</u> VIN list of <u>their incomplete</u> vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the "Service" tab and then click on "Global Recall System." The VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, Postal Code, or VIN sequence.

Dealers should perform this repair on all unsold vehicles <u>before</u> retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

VIN lists may contain confidential, restricted owner name and address information. Use of this information is permitted for this notification only and is strictly prohibited from all other use.

Additional Information

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

FCA Canada Inc.

J.D. Kiritsis National Service and Parts Manager



SAFETY RECALL R07 FUEL RAIL CROSSOVER HOSE

Dear Vehicle Owner:

This notice is sent to you in accordance with the Canada Motor Vehicle Safety Act.

FCA Canada has decided that a defect, which relates to motor vehicle safety, exists in certain **2015 model year Dodge Challenger SRT and Dodge Charger SRT vehicles equipped with a 6.2L supercharged engine.**

The problem is :	The fuel rail crossover hose may leak fuel. The fuel rail crossover hose may have been damaged during the manufacturing process. The damage cannot be reliably detected and may cause a fuel leak without warning. A leaking engine fuel injector rail crossover hose, in the presence of an ignition source, could cause an underhood fire.	
What your dealer will do :	FCA Canada will repair your vehicle free of charge. To do this, your dealer will replace the left fuel rail and crossover hose assembly.	
What you must do to ensure your safety :	Contact your authorized FCA Canada dealer to schedule a service appointment and provide them with your vehicle identification number (VIN), shown on the enclosed Service Authorization Card.	
If you need help :	If you require additional assistance or information, please contact FCA Canada Customer Care Centre at 1-800-465-2001 (English) or 1-800-387-9983 (French) or by email : www.fcacanada.ca/en/contact_us.php (English) or www.fcacanada.ca/fr/contact_us.php (French).	

If you have already experienced this condition and have paid to have it repaired, you will still be required to have the campaign performed by an authorized FCA Canada dealer at no charge to you. Once completed, please send your original receipts and/or adequate proof of payment along with the campaign invoice to the following address for <u>further review of possible</u> reimbursement: FCA Canada Customer Care Centre, P.O. Box 1621, Windsor, Ontario, N9A 4H6.

If your name and address shown on the enclosed Service Authorization Card is incorrect or if you no longer own the vehicle, please contact us at the above phone number, email address or fill in the prepaid post card.

We apologize for any inconvenience and thank you for your attention to this important matter.

Yours very truly,

FCA Canada Inc. National Service and Parts Manager