FIAT CHRYSLER AUTOMOBILES

September 2021

Dealer Service Instructions for:

# Safety Recall Y10 / NHTSA 21V-665
# Fuel Supply Line

**Remedy Available**

**2020 (JL) Jeep® Wrangler**

***NOTE: This campaign applies only to the above vehicles equipped with a 2.0L engine (sales codes EC1 and EC3).***

***NOTE: Some vehicles above may have been identified as not involved in this campaign and therefore have been excluded from this campaign.***

**IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery.** Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

## Subject

The fuel supply line connector on about 14,400 of the above vehicles may crack.

Uncontained gasoline in the engine compartment can result in a vehicle fire which increases the risk of injury to occupants and persons outside the vehicle, as well as property damage.

## Repair

Locate the fuel supply line that feeds into the high pressure fuel pump on the engine. Inspect the date code on the fuel line tag. If the date falls within the specified range, replace the line.

If the tag is missing, replace the line.

## Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that fuel supply line replacement is required and the vehicle must be held overnight.

## Parts Information

| Part Number | Qty. | Description |
|---|---|---|
| 06506497AA | 4 | Driveshaft Bolts |

**Two Door Wrangler**

| Part Number | Description |
|---|---|
| **CCBLY101AA** | **Part Package** |

Each package contains the following component:

| Quantity | Description |
|---|---|
| 1 | Fuel Supply Line |

**Four Door Wrangler**

| Part Number | Description |
|---|---|
| **CCBLY102AA** | **Part Package** |

Each package contains the following component:

| Quantity | Description |
|---|---|
| 1 | Fuel Supply Line |

## Parts Return

No parts return required for this campaign.

## Special Tools

No special tools are required to perform this service procedure.

## Service Procedure

**WARNING: Observe the following precautions when working on fuel systems: No sparks, open flames or smoking. Avoid inhaling and swallowing fuel. Avoid eye and skin contact with fuel. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing. Failure to observe these precautions may result in fire, explosion, property damage, and serious or fatal injury.**

**WARNING: The fuel system is under constant pressure even with engine off. Before servicing the fuel rail, fuel system pressure must be released.**

**NOTE: The "Fuel Adaptive Parameter Reset" and "Fuel Feed System Component Replacement" scan tool procedures should always be run after a PCM, fuel injector, fuel rail, high pressure pump or fuel pressure sensor is replaced. The procedures should be in the "Miscellaneous Functions" tab in the PCM. Failure to run the procedures may cause DTCs to set in the PCM.**

## Service Procedure

## A. Fuel Supply Line Inspection Procedure

1. Raise the vehicle. Locate the fuel supply line that feeds into the high pressure fuel pump on the engine. Inspect the parts tag on the fuel line (Figures 1 and 2). If the tag is missing, replace the line.


**Figure 1 – Part Tag on Fuel Line**

**NOTE: The fuel supply line to the high pressure pump is located on the back of the engine, behind the cylinder head, and above the transmission bellhousing.**


**Figure 2 – Part Tag on Fuel Line**

2. Compare the date code on the tag (Figure 3) to the table (Figure 4). If the date code falls within the ranges shown, replace the line. If it does not, return the vehicle to the customer.

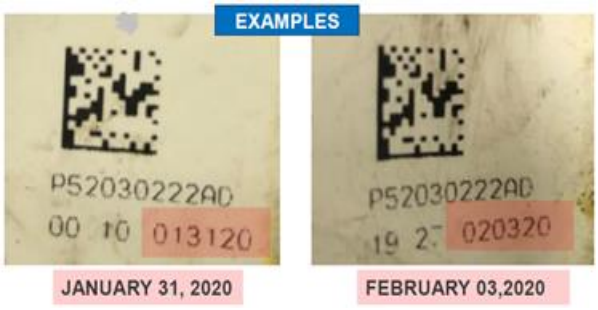


**Figure 3 – Date Code**

| START DATE | END DATE |
|---|---|
| 012120 | 012420 |
| 012620 | 013120 |
| 020320 | 020720 |
| 021020 | 021120 |
| 022920 | 030220 |

**Figure 4 – Date Code Table**

## Service Procedure [Continued]

### B. Fuel Supply Line Removal Procedure

1. Lower the vehicle.
2. Remove the fuel fill cap.
3. Remove the fuel pump fuse from the Power Distribution Center (PDC). For location of the fuel pump fuse, refer to label on the underside of the PDC cover.
4. Start and run the engine until it stalls.
5. Attempt restarting the engine until it will no longer run.
6. Turn the ignition key to the OFF position.
7. Return the fuel pump fuse to the PDC.
8. Disconnect and isolate the negative battery cable(s). If equipped with an Intelligent Battery Sensor (IBS), disconnect the IBS connector first before disconnecting the negative battery cable.
9. Raise and support the vehicle.
10. Support the powertrain with a suitable jack.

## Service Procedure [Continued]

11. Remove the front reinforcement crossmember bolts (2 and 3) (Figure 5).

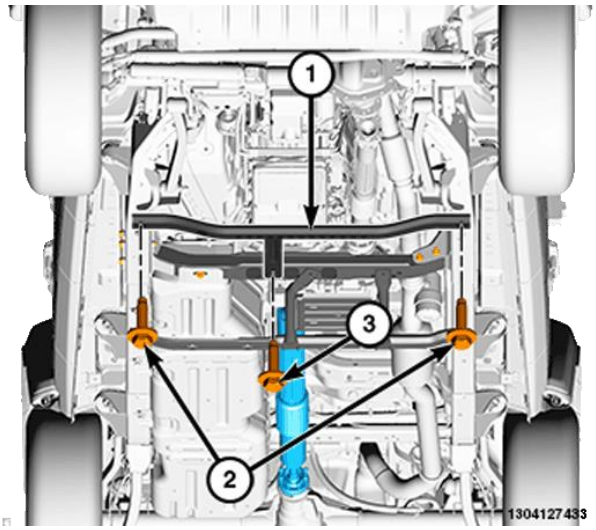


**Figure 5 – Front Reinforcement Crossmember**

12. Remove the two bolts attaching the Power Pack Unit (PPU) skid plate to the transfer case skid plate (models with eTorque only) (Figure 6).

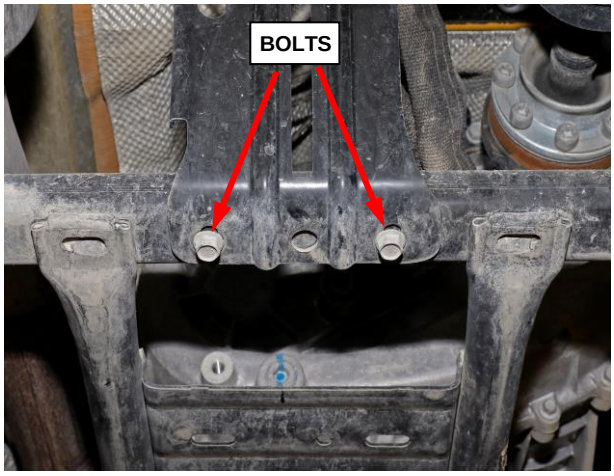


**Figure 6 – PPU Skid Plate Bolts**

## Service Procedure [Continued]

13. Remove the crossmember bolts (2) (Figure 7).

14. Remove the fuel tank strap nuts (3) (Figure 7).

15. Remove the frame bolts (4) and remove the transfer case skid plate (1) (Figure 7).

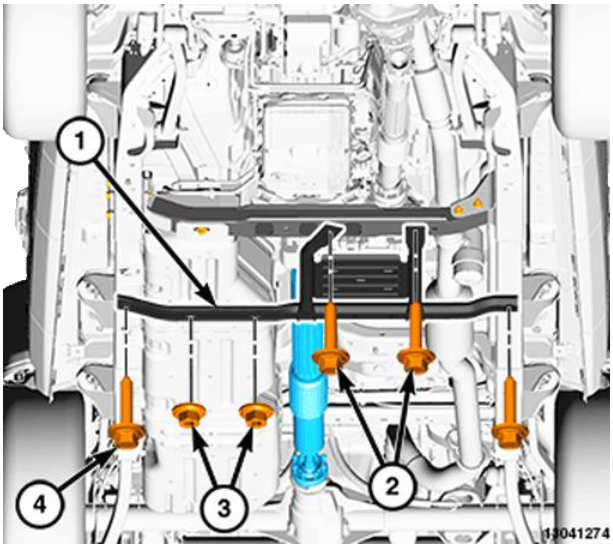


**Figure 7 – Transfer Case Skid Plate**

16. Remove the nut and bolt and remove the shield deflector at front of fuel tank (Figure 8).

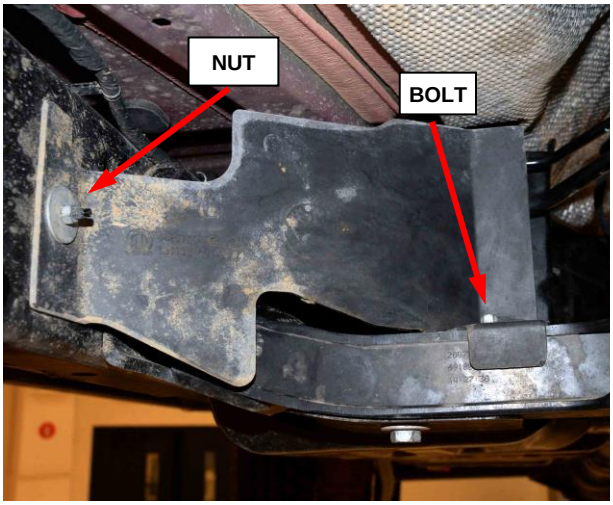


**Figure 8 – Fuel Tank Shield Deflector Fasteners**

## Service Procedure [Continued]

17. Support the transmission with a suitable lifting device.

18. Remove the nuts (5) attaching the transmission mount to the crossmember (Figure 9).

19. Remove the bolt (6) through the fuel tank skid plate (Figure 9).

20. Remove the frame bolts (1) (Figure 9).

21. Remove the bracket bolts (4) and nuts (3) (Figure 9).

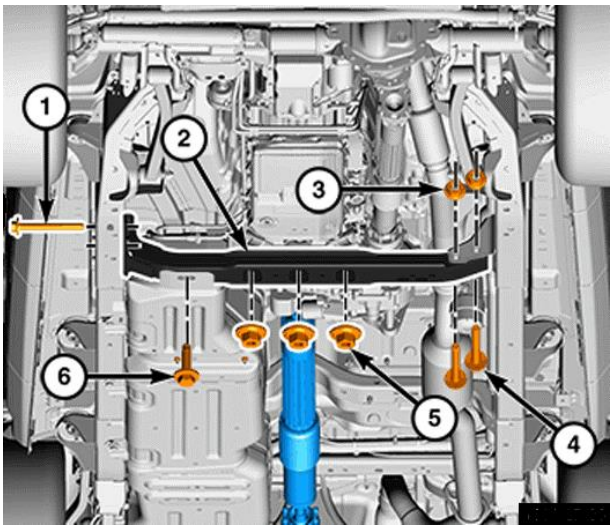


**Figure 9 – Transmission Crossmember**

22. Remove the bolts and separate the exhaust hanger from the crossmember, if equipped (Figure 10).

23. Remove the crossmember.

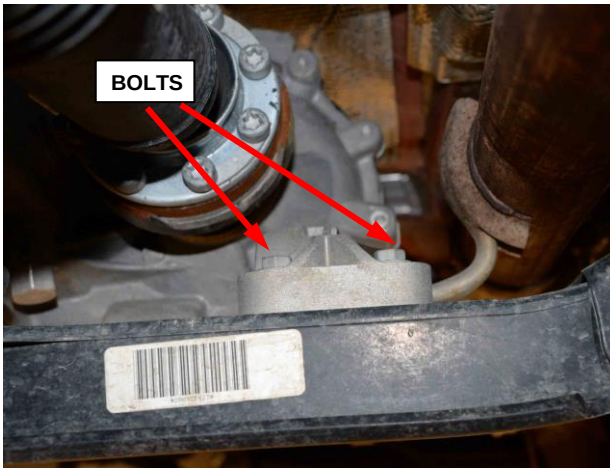


**Figure 10 – Exhaust Hanger**

## Service Procedure [Continued]

24. Remove the fasteners from four locations securing the PPU wiring harness to the transfer case and transmission (models with eTorque only) (Figures 11- 14).

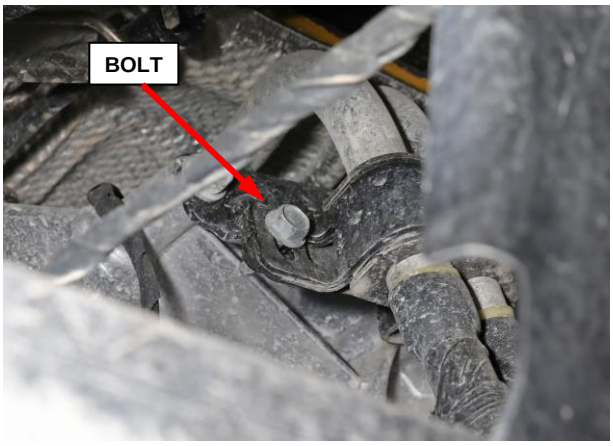


**Figure 11 – PPU Wiring Harness to Transfer Case**

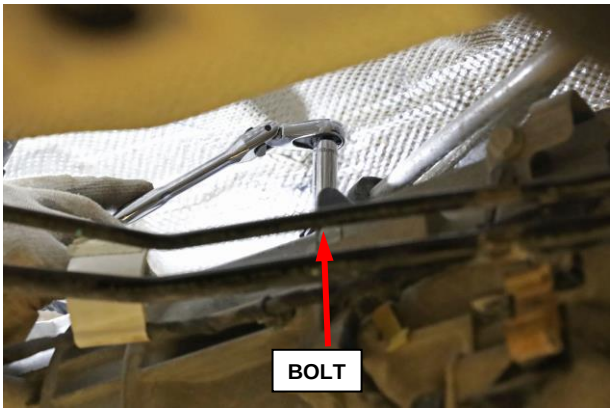


**Figure 12 – PPU Wiring Harness to Transmission**

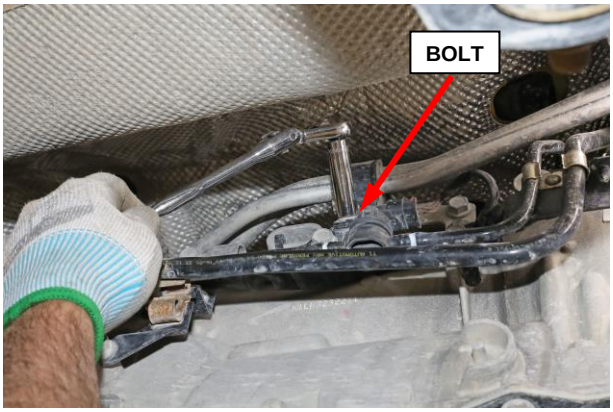


**Figure 13 – PPU Wiring Harness to Transmission**

## Service Procedure [Continued]

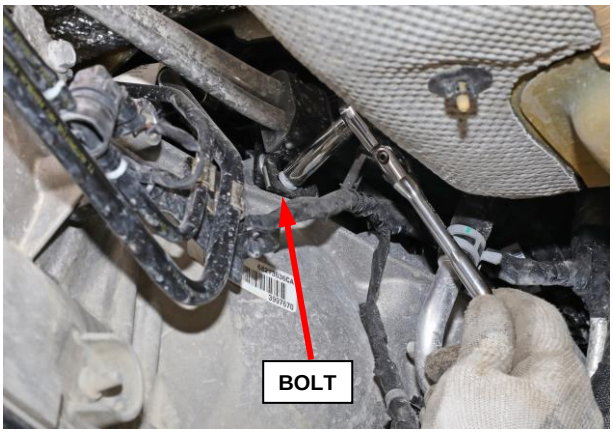


**Figure 14 – PPU Wiring Harness to Transmission**

25. Mark an installation reference line across the front driveshaft flange and the axle pinion flange.

26. Remove and DISCARD the front axle flange to front driveshaft bolts (1) and remove the driveshaft (Figure 15).

27. Hang front of driveshaft to transmission.


**Figure 15 – Front Driveshaft Bolts**

## Service Procedure [Continued]

28. Disconnect the Fuel Pressure Sensor wire harness connector (Figure 16).

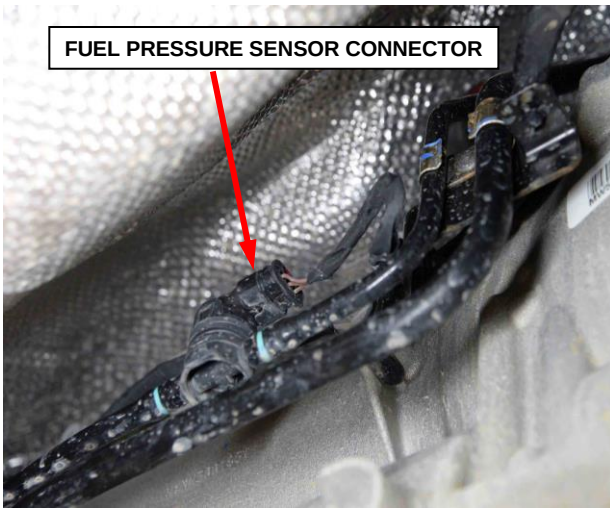


**Figure 16 – Fuel Pressure Sensor Connector**

29. Remove fuel line from mounting clips (Figures 17 and 18).

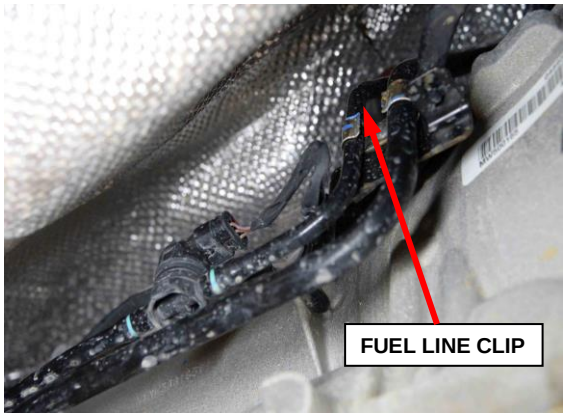


**Figure 17 – Fuel Line Clip**


**Figure 18 – Fuel Line Clip**

## Service Procedure [Continued]

30. Disconnect the fuel supply line clip at the tank (Figures 19 and 20).

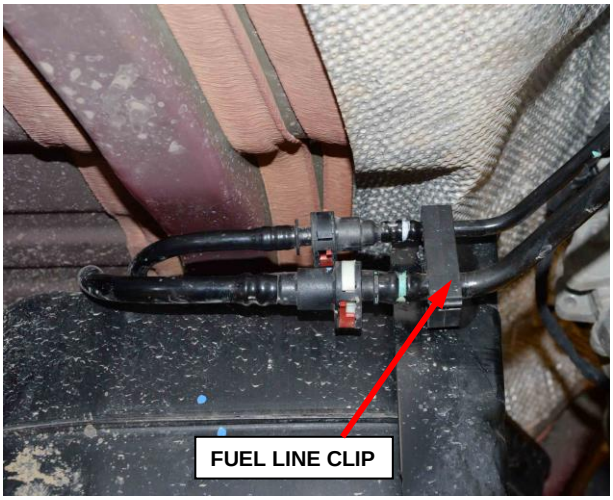


**Figure 19 – Fuel Line Clip Location**


**Figure 20 – Fuel Line Clip Locking Tab Location**

31. Disconnect the fuel supply lines at the tank (Figure 21).

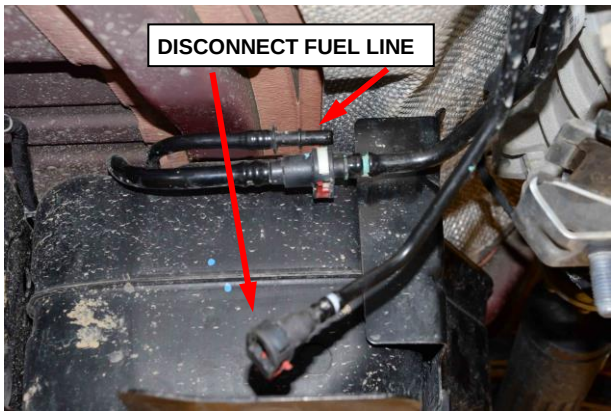


**Figure 21 – Fuel Line Connection**

## Service Procedure [Continued]

32. Lower the rear of the transmission to create access to reach the high pressure fuel pump.

33. Release the blue connector clip on the fuel supply line connector at the high pressure pump (Figure 22).

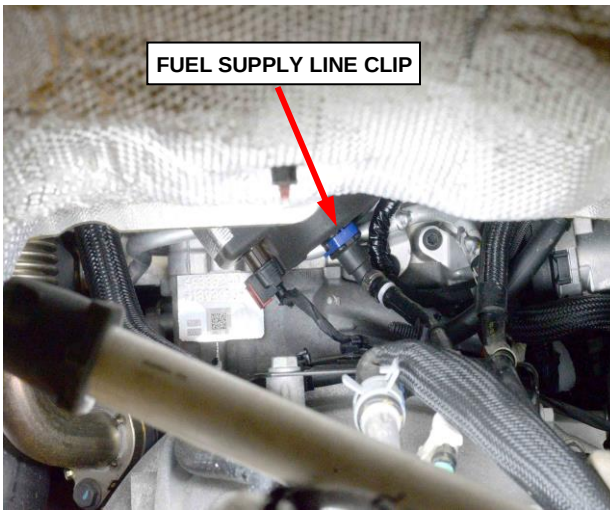


**Figure 22 – Fuel Supply Line Clip at High Pressure Pump**

34. Using an appropriate tool, release the locking tab on the fuel line, and remove it from the vehicle (Figure 23).

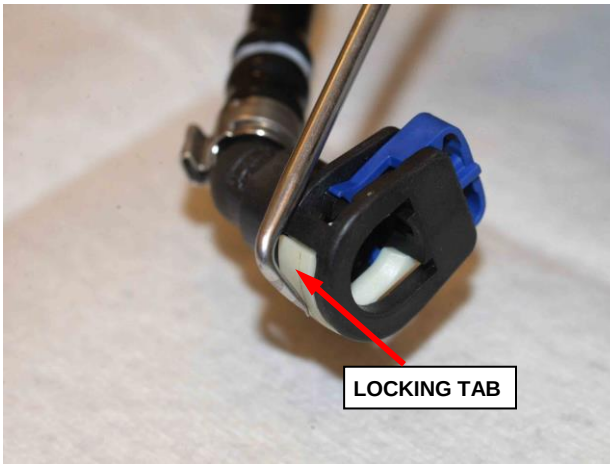


**Figure 23 – Fuel Supply Line Clip at High Pressure Pump**

## Service Procedure [Continued]

### C. Install

1. Connect the fuel supply line to the fuel injection pump (Figure 22).
2. Install the fuel tank supply line at the front of fuel tank (Figure 21).
3. Install the fuel line into the mounting clips (Figure 17 - 20).
4. Connect the Fuel Pressure Sensor wire harness connector (Figure 16).

**NOTE: Drive shaft bolts must be replaced with NEW. If NEW bolts are not available clean the old bolts and apply Mopar® Lock and Seal Adhesive or equivalent.**

5. Install the front drive shaft with new bolts (Figure 15). Tighten bolts to 121 N·m (89 ft. lbs.).
6. Install the fasteners from four locations securing the PPU wiring harness to the transfer case and transmission (models with eTorque only) (Figures 11-14). Tighten the bolts to 9 N·m (80 in. lbs.).
7. Install the transmission crossmember (Figure 9).
8. Install the crossmember bolts (4) and nuts (3) to the bracket on the frame, and tighten to 175 N·m (129 ft. lbs.) (Figure 9).
9. Install the crossmember bolts (1) through the frame and tighten to 70 N·m (52 ft. lbs.) (Figure 9).
10. Install the bolt (6) through the fuel tank skid plate and tighten to 65 N·m (48 ft. lbs.) (Figure 9).
11. Install the nuts (5) attaching the transmission mount to the crossmember and tighten to 175 N·m (129 ft. lbs.) (Figure 9).
12. Install the bolts attaching the exhaust hanger to the crossmember, if equipped and tighten to 22 N·m (16 ft. lbs.) (Figure 10).

## Service Procedure [Continued]

13. Remove the support from the transmission.

14. Install the shield deflector at the front of the fuel tank. Tighten the bolt to 9 N·m (80 in. lbs.), and the nut to 8 N·m (71 in. lbs.).

15. Install the frame bolts (4) and install the transfer case skid plate (1) (Figure 7). Tighten the bolts to 75 N·m (55 ft. lbs.).

16. Install the fuel tank strap nuts (3) (Figure 7). Tighten the nuts to 17 N·m (13 ft. lbs.).

17. Install the transmission crossmember to transfer case skid plate bolts (2) (Figure 7). Tighten the nuts to 75 N·m (55 ft. lbs.).

18. Install the two bolts attaching the Power Pack Unit (PPU) skid plate to the transfer case skid plate (models with eTorque only) (Figure 6). Tighten the bolts to 9 N·m (80 in. lbs.).

19. Install the front reinforcement crossmember and bolts (2 and 3) (Figure 5). Tighten the bolts (2) to 75 N·m (55 ft. lbs.), and bolts (3) to 65 N·m (48 ft. lbs.).

20. Lower the vehicle.

21. Connect the negative battery cable.

## Complete Proof of Correction Form for California Residents

This recall is subject to the **State of California Registration Renewal/Emissions Recall Enforcement Program**. Complete a Vehicle Emission Recall Proof of Correction Form **(Form No. 81-016-1053)** and **supply it to vehicle owners residing in the state of California** for proof that this recall has been performed when they renew the vehicle registration.

Process Steps to obtain the California Proof of Correction form:

a. Access the "**DealerCONNECT**" website.

b. Select the "**Service**" tab.

c. Under the "**Publications**" heading, select the "**ePublishing**" link.

d. Sign in using your **Dealer Code** and **Password**.

e. Select the "**Proof of Correction form**".

## 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 paid will be used by FCA to record Customer Satisfaction Notification service completions and provide dealer payments.

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

| | Labor Operation Number | Time Allowance |
|---|---|---|
| Inspect Fuel Supply Line | 14-Y1-01-81 | 0.3 hours |
| Inspect and Replace Front Fuel Supply Line (Sales Code EC1 Only) | 14-Y1-01-82 | 1.5 hours |
| Inspect and Replace Front Fuel Supply Line (Sales Code EC3 Only) | 14-Y1-01-83 | 1.8 hours |

Add the cost of the campaign parts package plus applicable dealer allowance to your claim.

In addition, enter "MATL" in the Part Number section of your claim with the applicable Material Allowance where appropriate.

NOTE**:** See the Warranty Administration Manual, Recall Claim Processing Section, for complete claim processing instructions.

## Dealer Notification

To view this notification on DealerCONNECT, select "Global Recall System" on the Service tab, then click on the description of this notification.

## Owner Notification and Service Scheduling

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

## 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 dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete 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."** Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

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

*Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall 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.

Customer Services / Field Operations
FCA US LLC