



April 2019

Dealer Service Instructions for:

Safety Recall UB2 / NHTSA 18V-731

Fuel Pump Module

Remedy Available

2017 - 2018 (BU) Jeep® Renegade

NOTE: This recall applies only to the above vehicles equipped with a 2.4L engine sales code ED6 and E85 fuel system compatible sales code XKN.

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

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 pump module on about 21,000 of the above vehicles may experience cavitation which will cause loss of fuel pressure under certain environmental conditions while using standard 10% Ethanol (E10) fuel. In some cases, an engine Malfunction Indicator Lamp (MIL) may illuminate, and the engine may operate roughly, hesitate and/or experience reduced engine power. A loss of fuel pressure may lead to an engine stall resulting in a sudden loss of motive power, which may cause a vehicle crash without prior warning.

Repair

All of the above involved vehicles will require the fuel pump module replacement.

Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if the repair requires the vehicle to be held overnight.

Parts Information

<u>Part Number</u>	<u>Description</u>
CSBHUB21AA	Pump, Fuel
CSBHUB22AA	O-Ring

Parts Return

No parts return required for this campaign.

Special Tools

The following special tool is required to perform this repair:

- 9340 Wrench, Fuel Pump Locking Ring
- NPN wiTECH micro pod II
- NPN Laptop Computer
- NPN wiTECH Software
- 8978 D Fuel Decay Tool
- 320-FC-P30-A John Dow Gas Caddy or Equivalent

Service Procedure

WARNING: No sparks, open flames or smoking. Due to risk of injury to eyes and skin from contact with fuel, wear protective clothing and eye protection. Risk of poisoning from inhaling and swallowing fuel. Pour fuel only into appropriately marked and OSHA approved containers. Failure to follow these instructions may result in possible serious or fatal injury.

WARNING: The fuel system is under constant high pressure even with engine OFF. Until the fuel pressure has been properly released from the system, do not attempt to open the fuel system. Do not smoke or use open flames/sparks when servicing the fuel system. Make sure the area in which the vehicle is being serviced is in a well ventilated area. Failure to comply may result in serious or fatal injury.

Fuel Pump Module Replacement Procedure

1. Pull on the hood release lever and open the hood.
2. Loosen the Power Distribution Cover (PDC) screw at the base of the fuse box and remove the cover and fuse F21 (15 AMP - Blue).

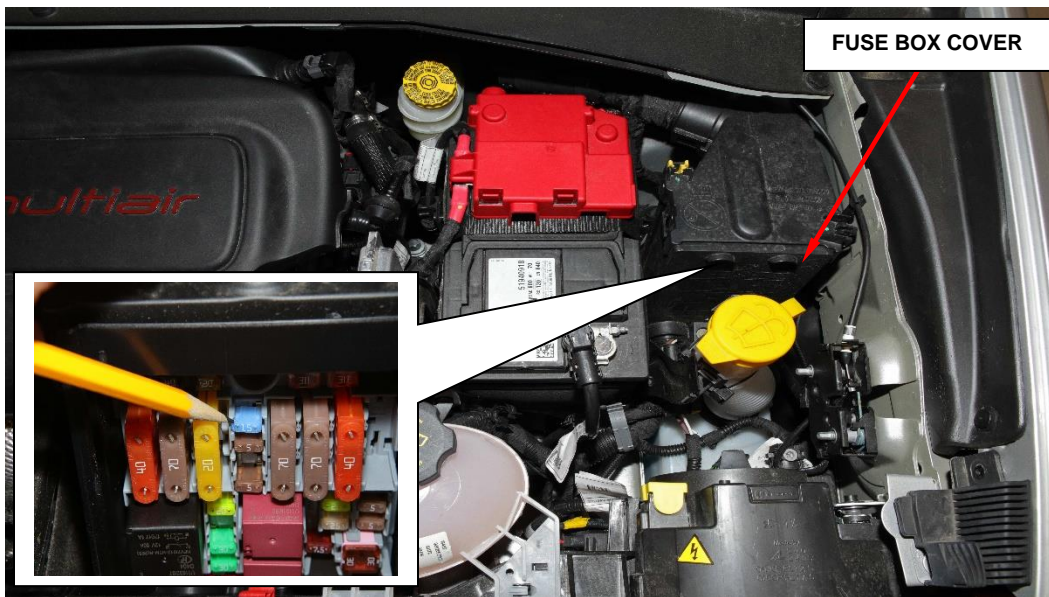


Figure 1 – Power Distribution Center

3. Start the engine and allow it to run until the engine stalls, attempt to restart, until it will not start.

Service Procedure (Continued)

4. Turn the ignition to the “Off” position.
5. Remove the engine cover fastener located at the left top of the cover (Figure 2).

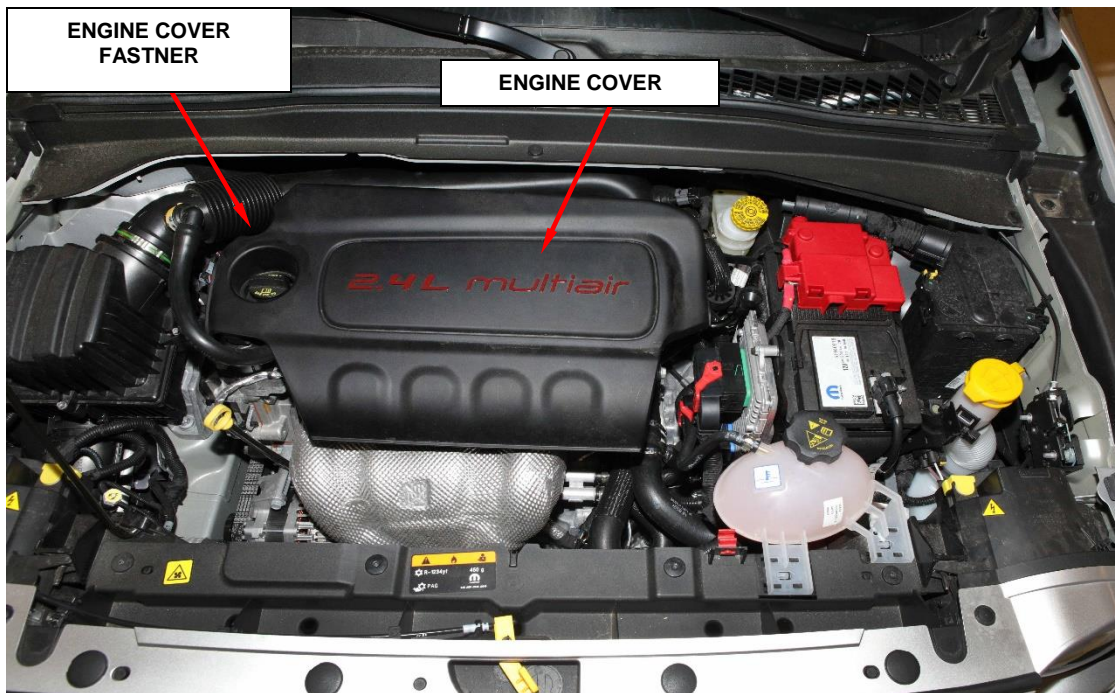


Figure 2 – Engine Cover

6. Grasp the left lower corner and the right upper corner of the engine cover and pull the cover straight up and remove the cover.
7. Disconnect the make-up air hose from the clean air hose (Figure 3).

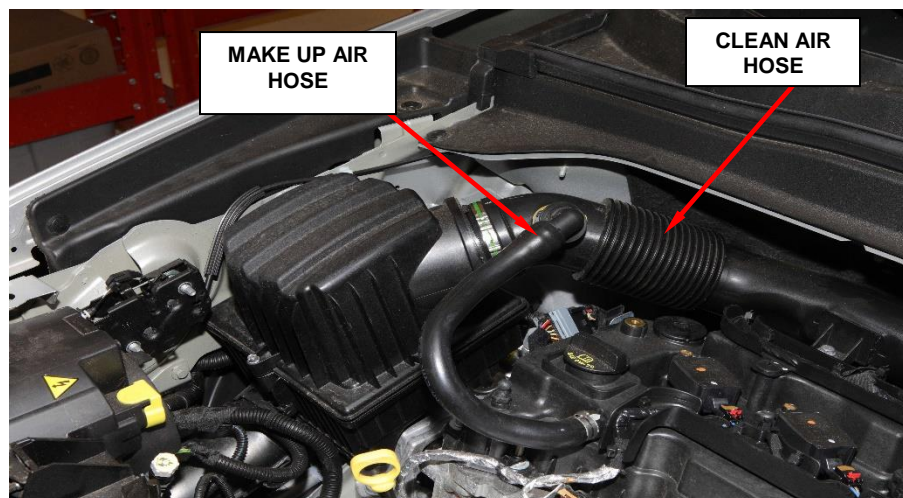


Figure 3 – Make up/ Clean air hose

Service Procedure (Continued)

8. Disconnect the air temperature sensor electrical connector (Figure 4).

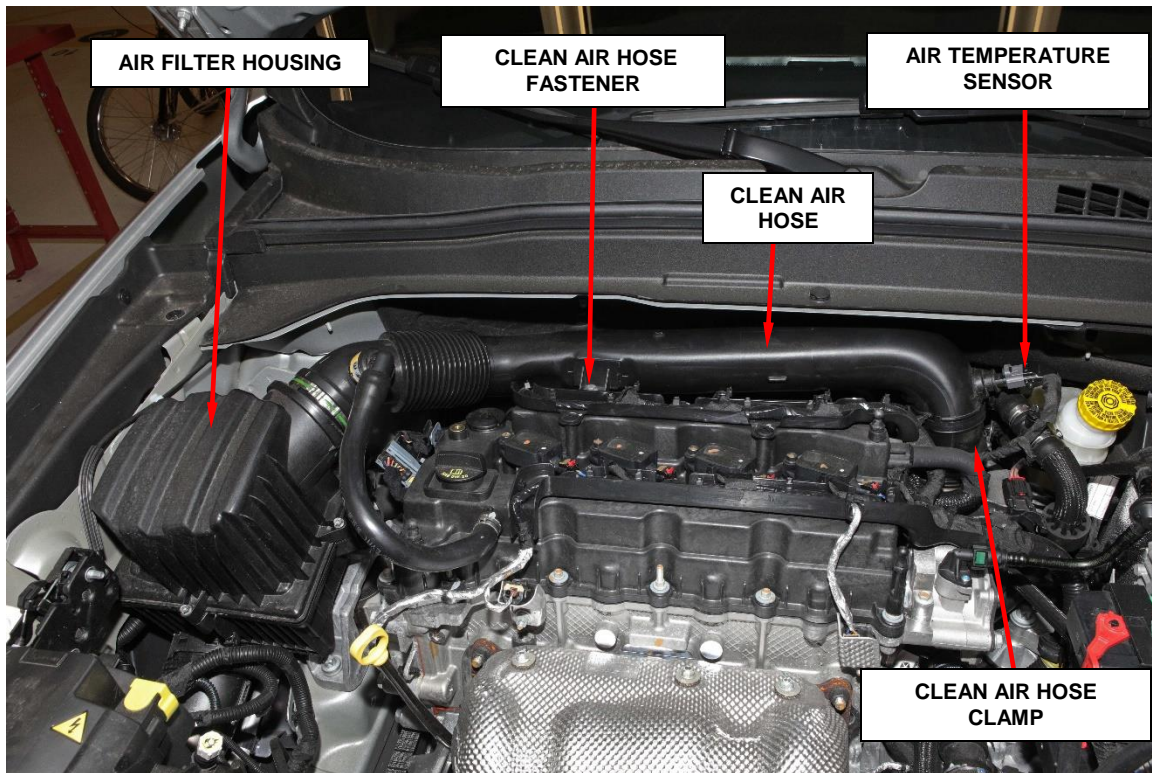


Figure 4 – Engine Compartment

9. Loosen the clean air hose clamp (Figure 4).
10. Remove the air hose fastener (Figure 4).
11. Grasp the air filter housing and pull straight up to disengage the rubber grommets from the housing and remove the clean air hose and housing assembly (Figure 5).



Figure 5 – Air Hose and Housing Assembly

Service Procedure (Continued)

12. Pull the blue fuel line locking tab out and separate the fuel supply line (Figure 6).

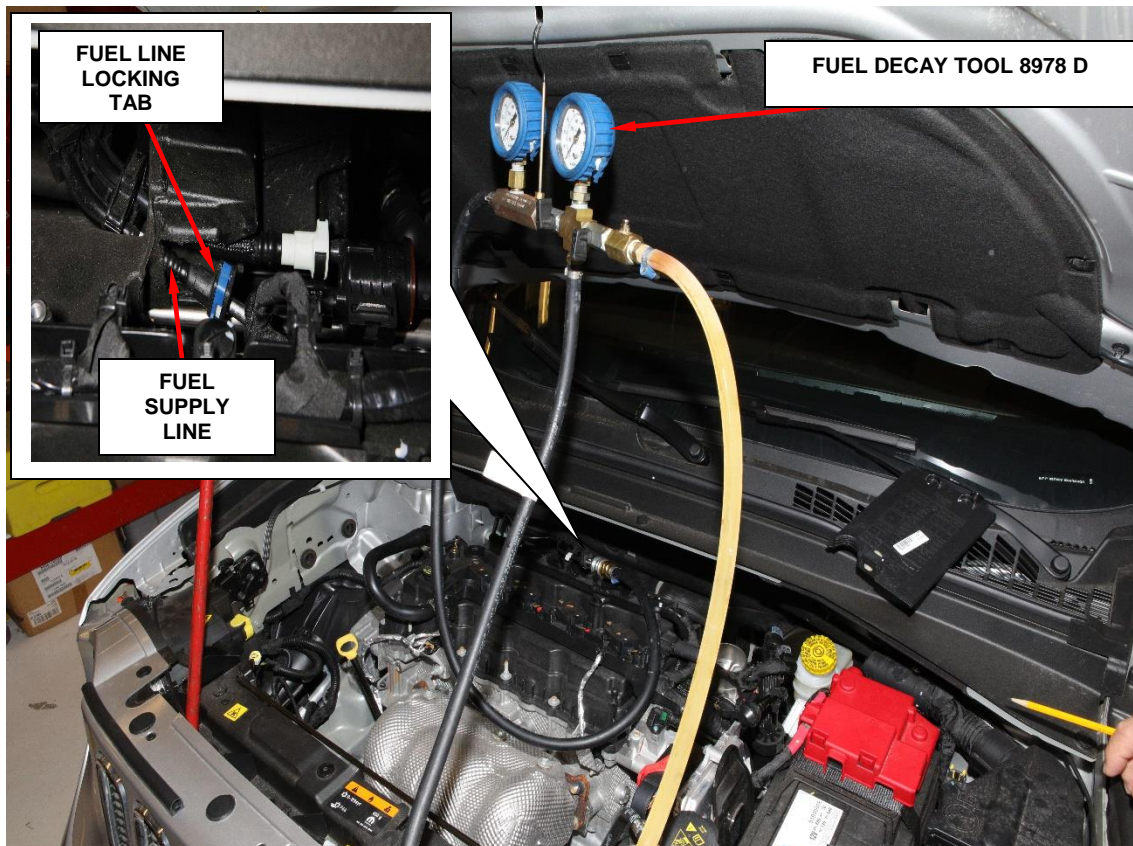


Figure 6 – Fuel Decay Tool 8978D

NOTE: Place a shop towel under the fuel line disconnect to absorb any gasoline leakage when disconnecting fuel line.

13. Connect the fuel decay tool 8978D to the fuel supply line (Figure 6).
14. Insert the outlet hose from the decay tool into John Dow Gas Caddy 320-FC-P30-A or Equivalent fuel container.
15. Install the F21 fuse into the PDC and reinstall the PDC cover (Figure 1).
16. Install a battery charger and verify that the charging rate provides 13.2 to 13.5 volts. Do not allow the charger to time out during the fuel evacuation process. Set the battery charger timer (if so equipped) to continuous charge.

Service Procedure (Continued)

17. Connect the wiTECH micro pod II to the vehicle data link connector.
18. Place the ignition in the “**RUN**” position.
19. Open the wiTECH 2.0 website.
20. Enter your “**User id**” your “**Password**” and your “**Dealer Code**”, then select “**Finish**” at the bottom of the screen.
21. From the “**Vehicle Selection**” screen, select the appropriate vehicle.
22. From the “**Action Items**” screen, select the “**Topology**” tab.
23. From the “**Topology**” screen, click on the “**PCM**” icon.
24. From the “**PCM**” screen, select the “**Actuators**” tab.
25. From the “**Actuators**” screen, select “**Fuel Pump Relay Control State Actuator Start Options**”. Select “**ON**” and click “**Start**” to begin fuel tank evacuation.
26. Once the fuel tank is partially drained about half tank, from the “**Actuators**” screen, select “**Fuel Pump Relay Control State Actuator Start Options**”. Select “**OFF**”.
27. Clear all faults and disconnect the wiTECH micro pod II from the vehicle data link connector.
28. Remove the battery charger from the vehicle.
29. Disconnect and remove the fuel decay tool from the vehicle and reconnect the fuel supply tube to the fuel rail, verify the locking tab is secured by pulling on the line assuring it does not disconnect (Figure 6).
30. Reinstall the air hose and housing assembly (Figure 5).
31. Reinstall the air hose fastener and tighten securely (Figure 4).

Service Procedure (Continued)

32. Tighten the air hose clamp (Figure 4).
33. Reconnect the make-up air hose to the clean air hose (Figure 3).
34. Align the engine cover with the engine cover retaining studs and push down on cover to secure the cover and install and secure the fastener (Figure 2).
35. Move both front seats to the most forward position.
36. Open the lift gate and remove the cargo cover and my sky storage bag.
37. Disconnect and isolate the negative battery cable.
38. Fold the rear seat backs forward and remove the bolts at the rear of the seat cushion (Figure 7).

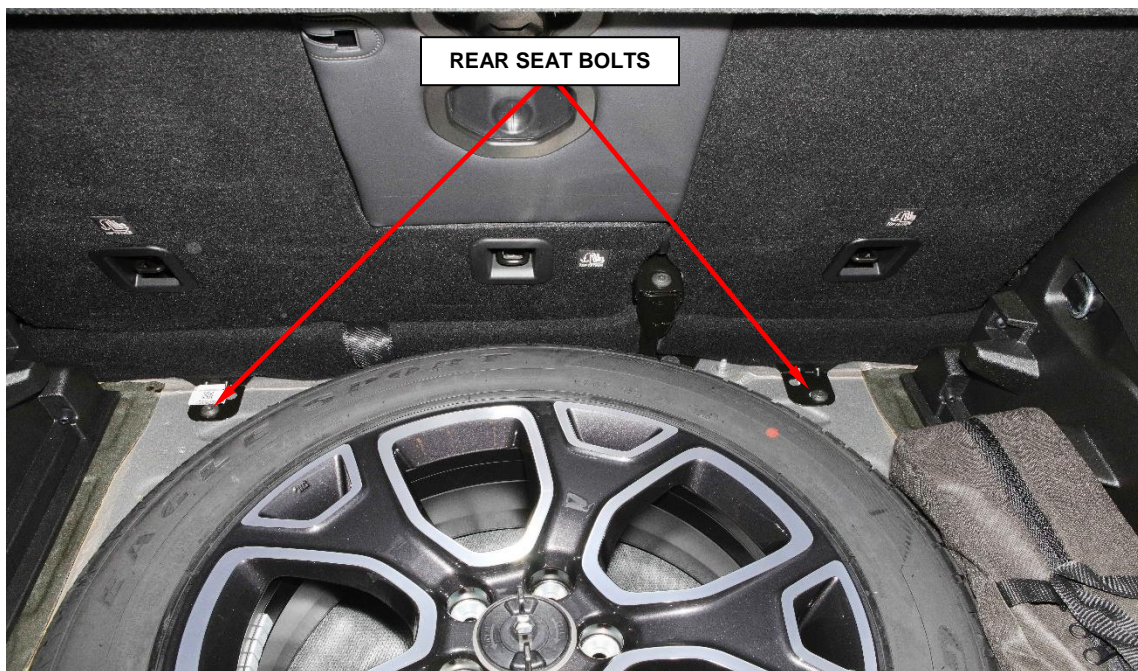


Figure 7 – Rear Seat

39. Grasp the front of the rear seat pull up on the front to release the seat and remove the seat cushion.

Service Procedure (Continued)

40. Reposition the carpet and unscrew the screws and remove the cover to access the fuel tubes (Figure 8).

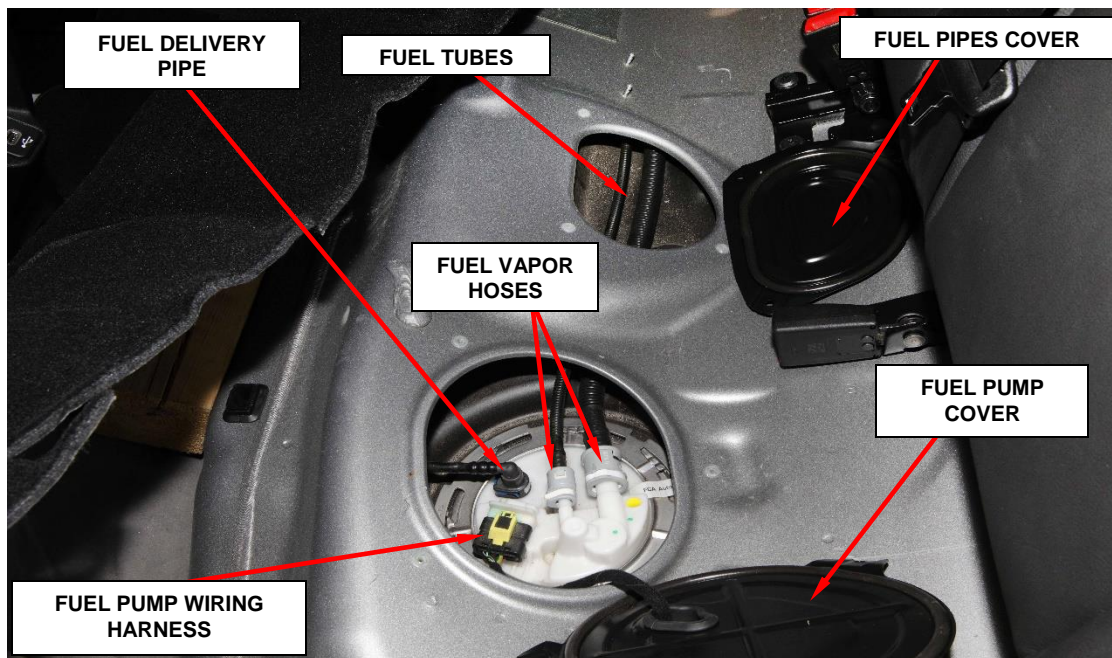


Figure 8 – Fuel Tank Access Covers

41. Remove the screws and remove the cover to access the fuel pump (Figure 8).
42. Disconnect the wiring harness from the fuel pump (Figure 8).
43. Disconnect the fuel delivery pipe quick connect coupling (Figure 8).
44. Disconnect the fuel vapor hoses quick connect couplings (Figure 8).

Service Procedure (Continued)

45. Place special tool (wrench, Fuel Pump Lock Ring 9340) onto the fuel pump ring and turn the wrench counter clockwise to loosen the fuel pump ring, then remove the ring from the fuel pump module (Figure 9).

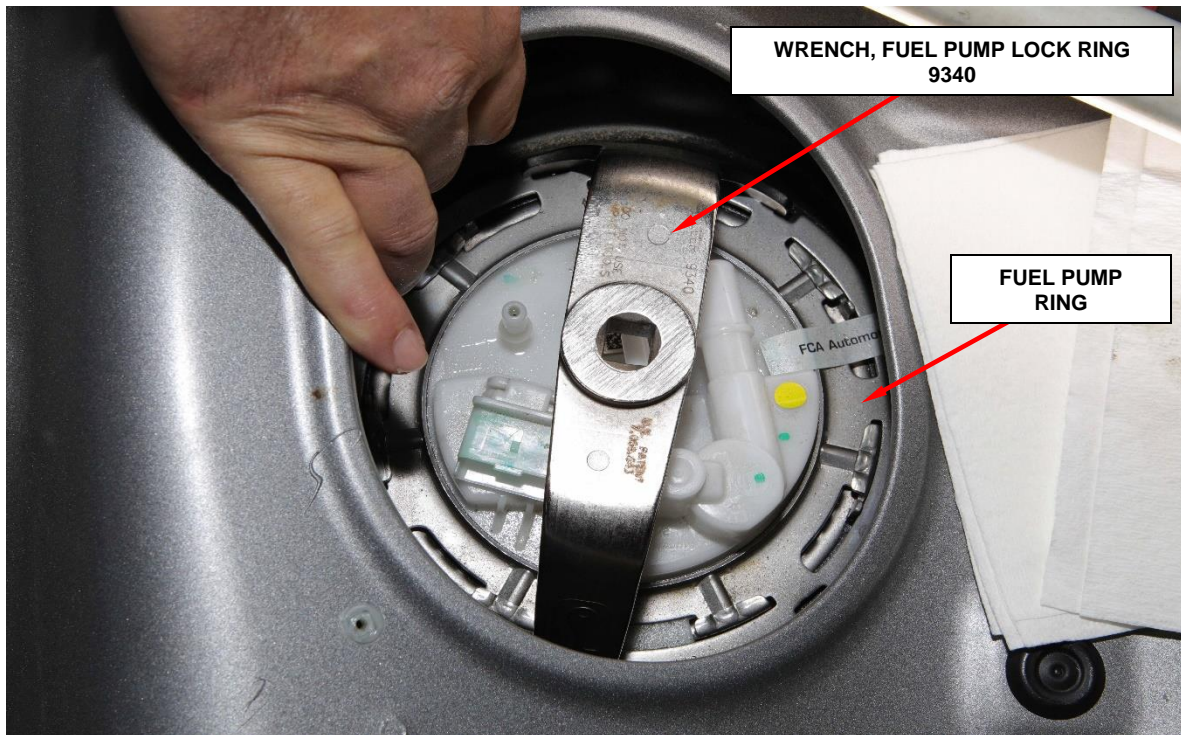


Figure 9 – Fuel Pump Lock Ring Wrench

46. Grasp the top of the fuel pump module and carefully lift the fuel pump module straight up partially and disconnect the vapor recovery pipe from the bottom of the module then out of the fuel tank and properly **DISCARD**.

NOTE: Place a clean towel or clean rag under the fuel pump module to absorb and prevent any gasoline spillage.

47. Remove the fuel pump module seal (“O” ring) from the fuel tank and **DISCARD**.

Service Procedure (Continued)

48. Place the **NEW** fuel pump module seal (“O” ring) on the fuel tank opening (Figure 10).

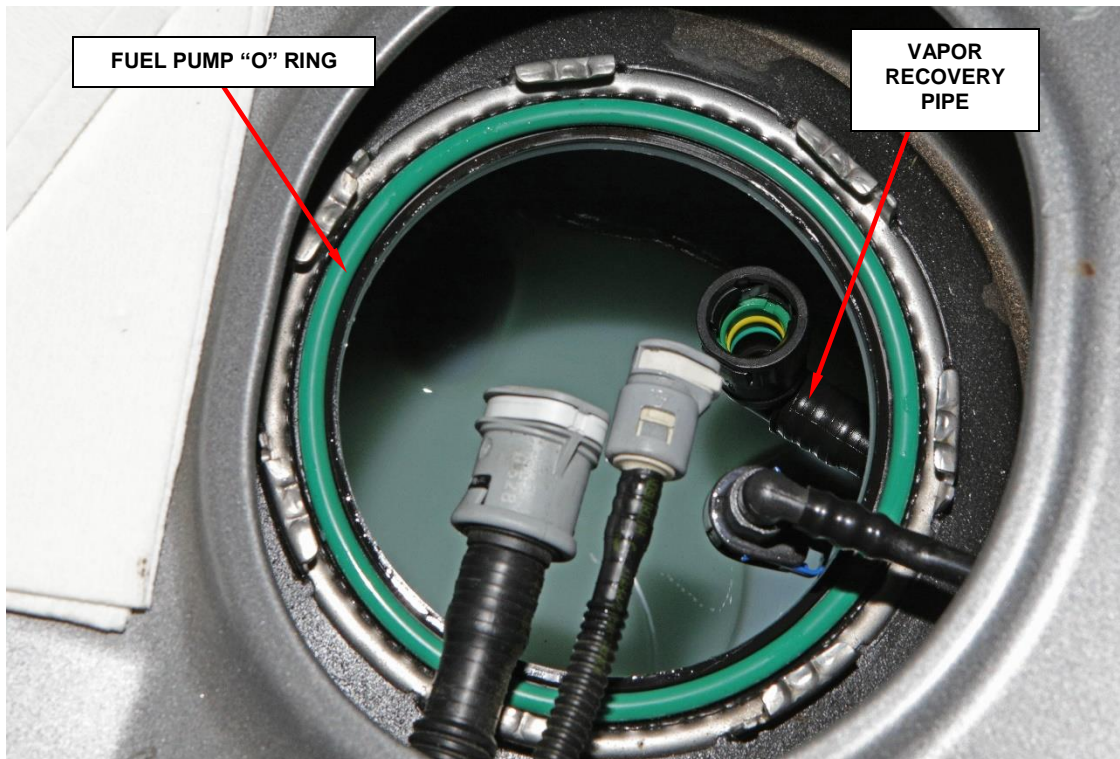


Figure 10 – Fuel Pump “O” Ring

49. Grasp the **NEW** fuel pump module and carefully guide the module into the fuel tank opening while holding the fuel pump reconnect the vapor recovery pipe to the fuel pump module, then push the module in place, observe the alignment of the fuel hoses on the tank and fuel module are aligned to each other.
50. Install the fuel pump module mounting ring by aligning the reference marks on the fuel tank and module.
51. Place special tool (wrench, Fuel Pump Lock Ring 9340) onto the fuel pump ring and turn the wrench clockwise to tighten the fuel pump ring, then remove the wrench from the fuel pump module.
52. Connect the fuel vapor recovery quick connect couplings to the fuel pump module.
53. Connect the quick connect fuel delivery pipe to the fuel pump module (Figure 8).

Service Procedure (Continued)

54. Connect the electrical wiring harness to the fuel pump module (Figure 8).
55. Install the access cover onto the fuel pump, tighten the screws and the lower cover (Figure 8).
56. Install the rear seat cushion and install the bolts, tighten the bolts to 25 N·m (18 ft. lbs.).
57. Install the cargo cover and my sky storage bag.
58. Refill the gas tank with the drained fuel.
59. Reconnect the battery ground cable.
60. Start the engine and check for leaks.
61. Turn the engine off, close the hood and return the vehicle to the customer.

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 recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

	Labor Operation Number	Time Allowance
Replace Fuel Pump Module	14-UB-21-82	1.1 hours
Floor Plan Reimbursement	95-95-95-97 See Below	Calculate

Floor Plan Reimbursement represents the vehicle’s average daily allowance (see table below) multiplied by the number of days the vehicle was in dealer inventory and not available for sale. This reimbursement is limited to the number of days from the date of the stop sale to the date that the remedy was made available. Note: If the vehicle was received by your dealership (KZX date) AFTER the stop sale date, you will use the KZX date instead of the stop sale date. For this Recall, the stop sale was initiated on **10/24/2018** and the remedy was made available on **04/18/2019**, therefore, the number of days cannot exceed **176** days.

Vehicle	Average Daily Allowance
2017 (BU) Jeep® Renegade	
2018 (BU) Jeep® Renegade	

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall 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

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

UB2/NHTSA 18V-731

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

1. RECOMMENDED OPTION

Call your authorized Chrysler / Dodge / Jeep® / RAM Dealership

2. Call the FCA Recall Assistance Center at 1-800-853-1403. An agent can confirm part availability and help schedule an appointment

3. Visit recalls.mopar.com, scan the QR code below, or download the Mopar Owner's Companion App.

QR Code

Get access to recall notifications, locate your nearest dealer, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity. The last eight characters of your VIN are provided above.

DEALERSHIP INSTRUCTIONS

Please reference Safety Recall UB2.

IMPORTANT SAFETY RECALL

Fuel Pump Module

Dear [Name],

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

FCA has decided that a defect, which relates to motor vehicle safety, exists in certain [2017 and 2018 Model Year Jeep® Renegade] vehicles.

It is extremely important to take steps now to repair your vehicle to ensure the safety of you and your passengers.

WHY DOES MY VEHICLE NEED REPAIRS?

The fuel pump module on your vehicle ^[1] may experience cavitation which will cause loss of fuel pressure under certain environmental conditions while using standard 10% Ethanol (E10) fuel. In some cases, an engine Malfunction Indicator Lamp (MIL) may illuminate, and the engine may operate roughly, hesitate and/or experience reduced engine power. **A loss of fuel pressure may lead to an engine stall resulting in a sudden loss of motive power, which may cause a vehicle crash without prior warning.**

HOW DO I RESOLVE THIS IMPORTANT SAFETY ISSUE?

FCA will repair your vehicle ^[2] free of charge (parts and labor). To do this, your dealer will replace the fuel pump module. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit. Your time is important to us; please be aware that these steps may require more time. The estimated repair time is hour and half. We recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership. **In the interim we ask that you use E85 fuel when refueling your vehicle until your vehicle is remedied.**

**TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR CHRYSLER, DODGE, JEEP OR RAM DEALER TODAY**

CALIFORNIA RESIDENTS

The State of California requires the completion of emission recall repairs prior to vehicle registration renewal. Your dealer will provide you with a Vehicle Emission Recall Proof of Correction Form after the Emission Recall service is performed. Be sure to save this form since the California Department of Motor Vehicles may require that you supply it as proof that the Emission Recall has been performed.

In order to ensure your full protection under the emissions warranty provisions, it is recommended that you have your (vehicle or engine) serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your (vehicle or engine).

WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit www.fcarecallreimbursement.com to submit your reimbursement request online. ^[3] Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the recall repair performed.

We apologize for any inconvenience, but are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Assistance/Field Operations FCA US LLC



Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

[1] If you no longer own this vehicle, please help us update our records. Call the FCA Recall Assistance Center at 1-800-853-1403 to update your information.

[2] If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or you can call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to safercar.gov.

[3] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.

Note to lessors receiving this recall notice: Federal regulation requires that you forward this recall notice to the lessee within 10 days.