



Remedy available for  
 2024 (JL) Jeep® Wrangler

Template Version 1.0

Revision	Edition	Detail
0	December 2024	Initial Version.

**SYMPTOM DESCRIPTION**

About 34 of the above vehicles equipped with the trailer tow option, may have been built with an incorrect dash wiring harness that prevents the trailer lighting from functioning. Trailers with inoperative trailer lighting may result in an approaching vehicle being unaware of the change of direction or speed of the vehicle and trailer, which can cause a vehicle crash without prior warning.

The condition above fails to conform to the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 571.108, "Lamps, Reflective Devices, and Associated Equipment." requires trailer lighting to be operational. The affected vehicles were built with an incorrect dash wiring harness which may result in all trailer lighting being inoperative.

**SCOPE**

This recall applies only to the above vehicles equipped with 6-Speed Manual Transmission (sales code DEM) plus Trailer Tow (sales code AHC).

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. Violation of this requirement by a dealer could result in a civil penalty of up to \$27,168 per vehicle.
- Some of the involved vehicles may be in dealer used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery.
- Dealers should also perform this recall on vehicles in for service.

Involved vehicles can be determined by using the VIP inquiry process.

**REPAIR TO BE PERFORMED**

Inspect and, if necessary, replace the dash wiring harness.

**ALTERNATE TRANSPORTATION**

Dealers should proactively minimize customer inconvenience while the recall repair is being performed. Reference the Goodwill Alternate Transportation Guidelines warranty bulletin link within Recall Central on DealerCONNECT for options to support the customer while their vehicle is in service.

**COMPLETION REPORTING / 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 Description	Number	Hrs
Inspect Power at Trailer Plug Connector	08-B9-B1-80	0.2
Inspect Power at Trailer Plug Connector and Inspect Harness Part Number	08-B9-B1-81	1.1
Inspect and Replace Wire Harness	08-B9-B1-82	4.0

Labor Description	Number	Allowance
Floor Plan Reimbursement	95-95-95-97	Calculate See Below

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 11/26/2024 and the remedy was made available on 12/12/2024, therefore, the number of days cannot exceed 16 days.

Vehicle	Average Daily Allowance
2024 (JL) Jeep® Wrangler	██████

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

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

For Mobile Service Reimbursement, dealer to include standard dealer entry and mark-up for parts, standard dealer entry and labor rate for service, as well as the special services code for mobile allowance. The special services LOP will only be paid once per VIN and may NOT be used in coordination with any Alternate Transportation claims.

For additional details, reference the Mobile Service Warranty Bulletin - for convenience, a copy has been linked within Recall Central on DealerCONNECT.

**PARTS INFORMATION**

Before ordering any parts, perform the inspection procedure to determine if wire harness is suspect.

Part No.	Qty.	Part Name
68597669AC	1	Wire Harness
06505411AA	12	Push Pin (M6.3X18.60)
06506007AA	6	Plastic Pop-Rivets
06513475AA	1	Windshield Washer Bottle Bolt (M6X1.0X40.00)
06511013AA	1	Windshield Washer Bottle Nut (M6X1X23)
06508659AA	5	Battery Tray Bolt (M6X1.00X30.00)
68520817AA	6	Headlamp Bolt (M6X1X30)
68110604AA	1	A/C O-Ring (3/8")
68142218AA	1	A/C O-Ring (3/4")
68224028AA	A/R	REFRIGERANT (REFRIGANT)

**PARTS RETURN**

No parts return required for this campaign.

Render the recalled wire harness unusable and discard.

**SPECIAL TOOLS**

Number	Description
NPN	wiTECH MicroPod II / MDP
NPN	Laptop Computer
NPN	wiTECH Software
NPN	Terminal Pick
NPN	Plastic Pop-Rivet Installer
C-4755	Trim Stick
NPN	Trailer wiring tester

### 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 / 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.

## INSPECTION PROCEDURE

### A. Inspect for Power at Trailer Wiring Harness Connector

1. Turn the ignition switch to the “**RUN**” position.
2. Turn the headlamps to “**ON**” position and verify the vehicle lamps are illuminated.
3. Plug a trailer wiring tester tool as shown in (Figure 1) into the trailer wiring connector on the vehicle as shown in (Figure 2). Verify that the tester tool illuminates indicating there is power at the vehicle trailer wiring harness connector. A voltmeter or 12-volt test light may also be used to test for power at the connector. Place one tester lead on the ground terminal (number 4) and the other tester lead on the taillights terminal (number 3) to test for power.

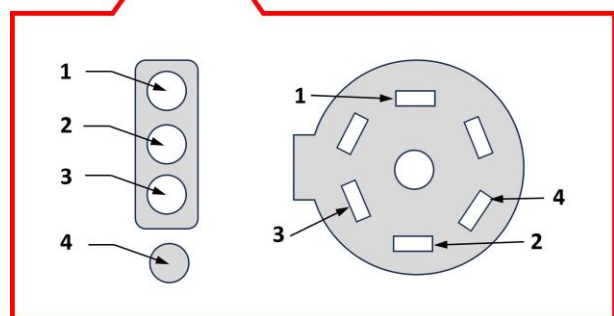
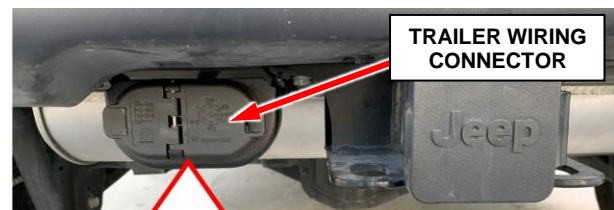
**NOTE: Does not matter which type of tester is used or which trailer wiring connector is tested. Only need to determine if lamp circuit on either connector has power or not.**

4. Was power detected at the trailer wiring connector?

- **Yes:** Tester or voltmeter indicated power was present at the trailer wiring connector. This vehicle is **NOT suspect**. Vehicle may be returned to customer.
- **No:** Tester or voltmeter indicated **NO** power was present at the trailer wiring connector. Vehicle **IS suspect**. Continue with **Section B. Wire Harness Part Number Inspection Procedure**.



**Figure 1 – Trailer Wiring Tester Tools**



**Figure 2 – Trailer Wiring Connector**

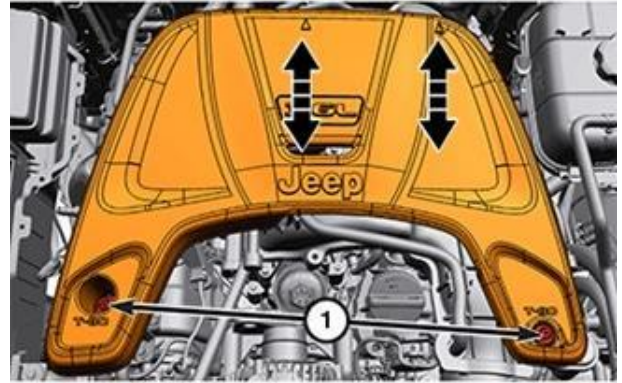
- 1 – Right Turn Signal and Brake Light
- 2 – Left Turn Signal and Brake Light
- 3 – Taillights and Running Lights
- 4 – Ground

## **B. Wire Harness Part Number Inspection Procedure**

1. Position the vehicle on a suitable hoisting device. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 04 - Vehicle Quick Reference / Hoisting / Standard Procedure.

2. Open the engine compartment hood.

**WARNING: Remove metallic jewelry to avoid injury by accidental arcing of battery current.**

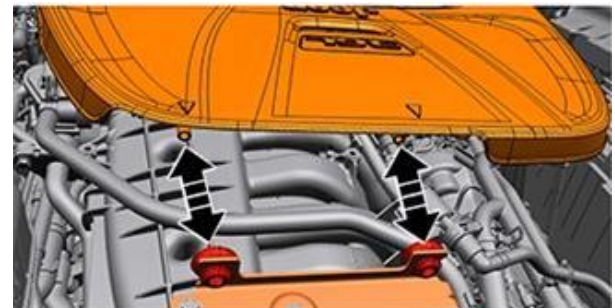


**Figure 3 – Engine Cover Bolts**

3. Power down the 12-volt battery system. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 08 - Electrical / 8F - Engine Systems / Battery System / Standard Procedure.

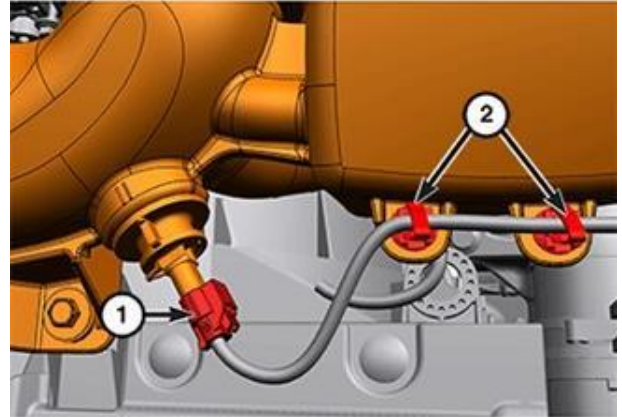
4. Remove the bolts from the engine cover (Figure 3).

5. Gently pull forward to disengage the rear grommets from the engine cover (Figure 4).



**Figure 4 – Engine Cover Grommets**

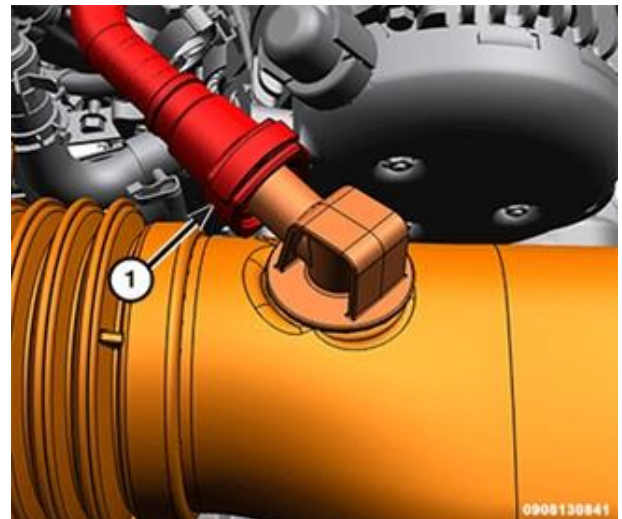
6. Disconnect the Inlet Air Temperature (IAT) sensor wire harness connector (Figure 5).
  
7. Disengage the wire harness retainers from the resonator (Figure 5).



**Figure 5 – Air Temperature Sensor**

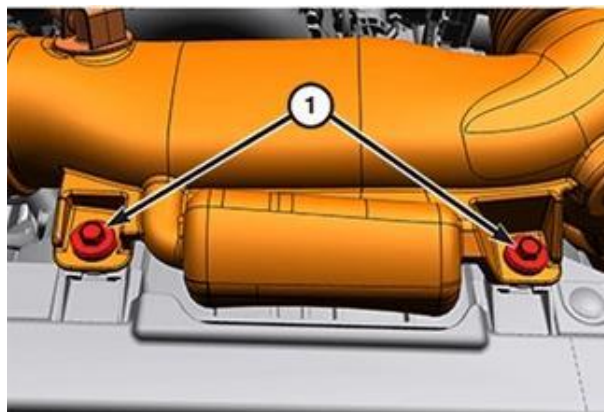
- 1 - Wire Harness Connector
- 2 - Wire Harness Retainers

8. Disconnect the make-up air hose (Figure 6).



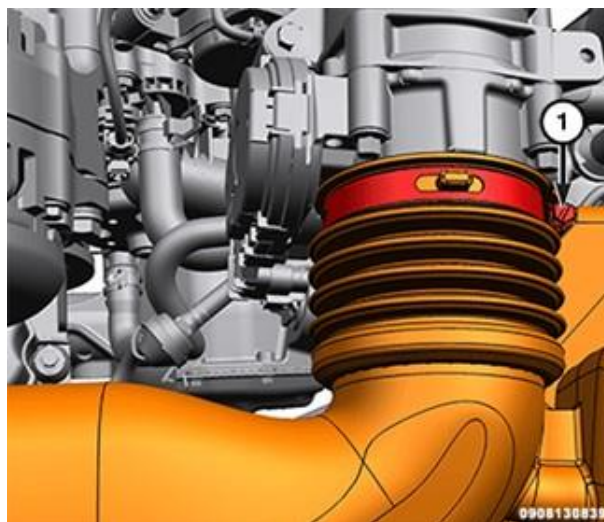
**Figure 6 – Make-up Air Hose**

9. Remove the bolts from the resonator (Figure 7).



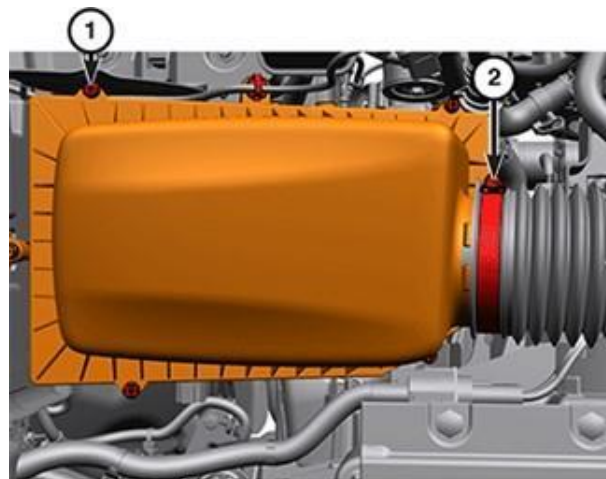
**Figure 7 – Resonator Bolts**

10. Loosen the clamp at the throttle body and remove the air cleaner resonator from the throttle body inlet. (Figure 8).



**Figure 8 – Resonator Clamp**

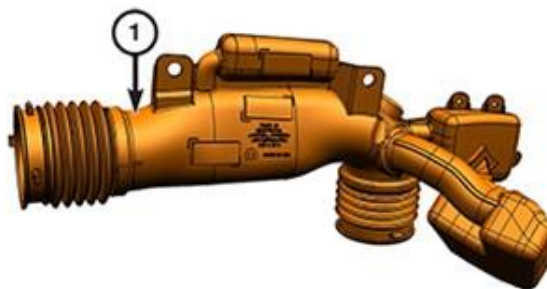
11. Remove the air cleaner housing cover bolts (Figure 9).



**Figure 9 – Housing Cover Bolts**

- 1 - Air Cleaner Housing Cover Bolts  
2 - Clamp

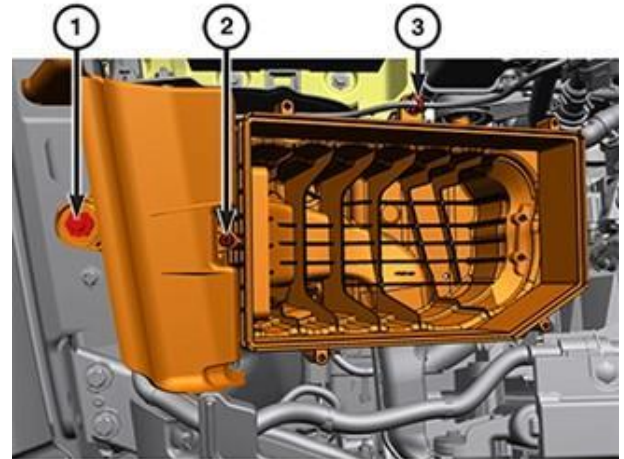
12. Remove the air cleaner resonator assembly (Figure 10).



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**Figure 10 – Resonator Assembly**

13. Disconnect the wire harness retainer from the air cleaner housing (Figure 11).
14. Remove the bolt from the air cleaner housing and remove the housing from the vehicle (Figure 11).
15. Remove the retaining screw to disconnect the inlet duct from the air cleaner housing (Figure 11).



**Figure 11 – Air Cleaner Housing**

- 1 - Air Cleaner Housing Bolt
- 2 - Inlet Duct
- 3 - Air Cleaner Housing

16. Disengage the locating pins from the grommets and remove the air cleaner housing (Figure 12).



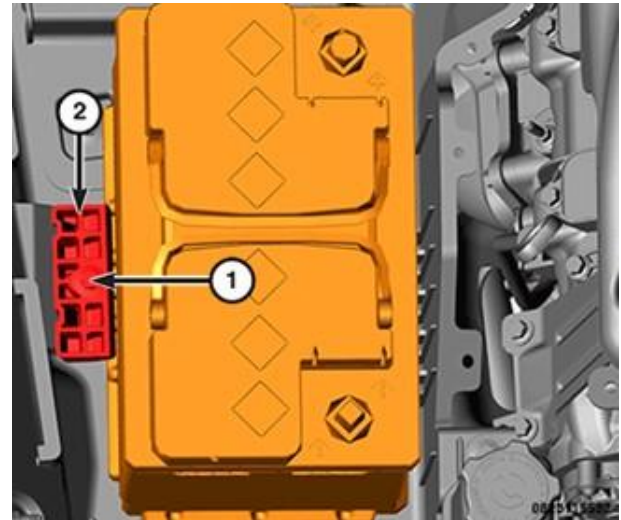
**Figure 12 – Air Cleaner Housing**

- 1 - Locating Pins

**WARNING:** To protect the hands from battery acid, a suitable pair of heavy-duty rubber gloves should be worn when removing or servicing a battery. Safety glasses also should be worn.

**NOTE:** If not already done so, disconnect and isolate the battery negative cable(s). Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 08 - Electrical / 8F - Engine Systems / Battery System / Standard Procedure.

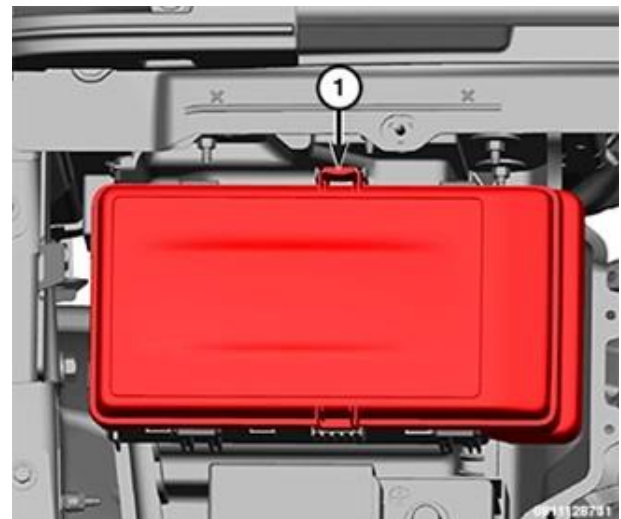
**NOTE:** On the positive cable there is a plastic clip that will be attached to the cable, you must use a trim stick to remove the clip lock to the battery or it will break off from the cable.



**Figure 13 – Primary Battery**

- 1 - Battery Bracket Bolt
- 2 - Battery Bracket

17. Disconnect and isolate the positive battery cable.
18. Remove the thermal guard (if equipped) from the battery.
19. Remove the battery bracket bolt and remove the battery bracket (Figure 13).
20. Remove the battery from the vehicle.
21. Remove the primary Power Distribution Center (PDC) cover by pressing inward on both latches located on the sides of the PDC (Figure 14).

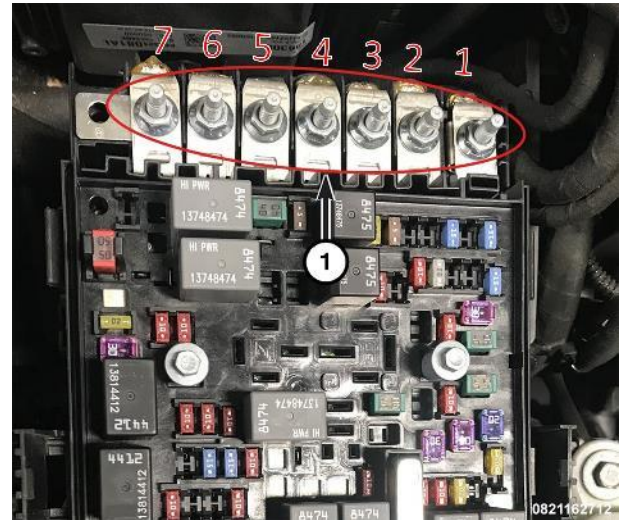


**Figure 14 – PDC Cover**

- 1 - Latch

22. Remove the wire harness connection terminals on the PDC and isolate terminal number 3 which is the positive battery terminal for the auxiliary battery (Figure 15).

**NOTE: The wire harness connection terminal nuts are captured to the terminal.**



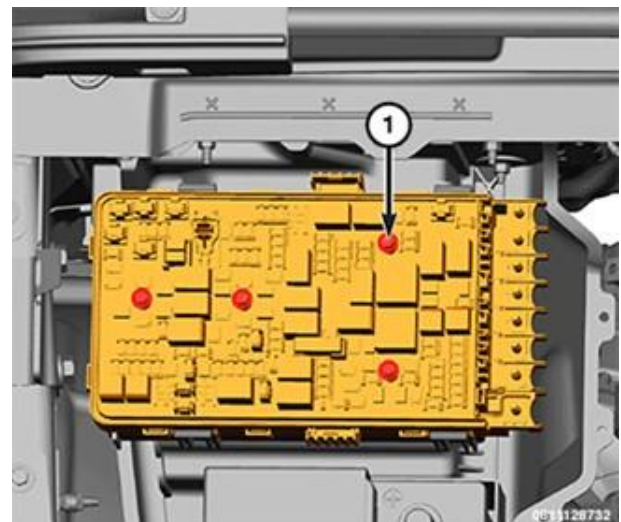
**Figure 15 – Power Distribution Center**

1 - Wire Harness Connection Terminals

**NOTE: PDC fasteners are captured and cannot be completely removed.**

23. Loosen the fasteners that secure the primary PDC wire harness connectors on the underside of the primary PDC (Figure 16).

**NOTE: Once fasteners are loosened, push down on the fastener will assist with releasing the terminal connector block from underside of PDC.**

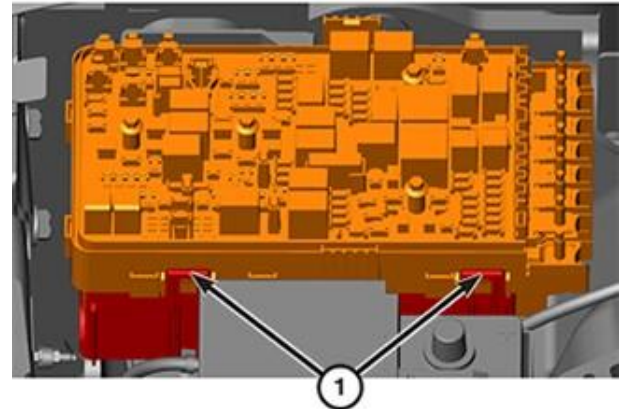


**Figure 16 – Power Distribution Center**

1 – PDC Fasteners

**NOTE: There are four latches, two on each side of the primary PDC.**

24. Use a trim stick or equivalent tool to release the latches that secure the primary PDC to the lower tray and separate the two (Figure 17).



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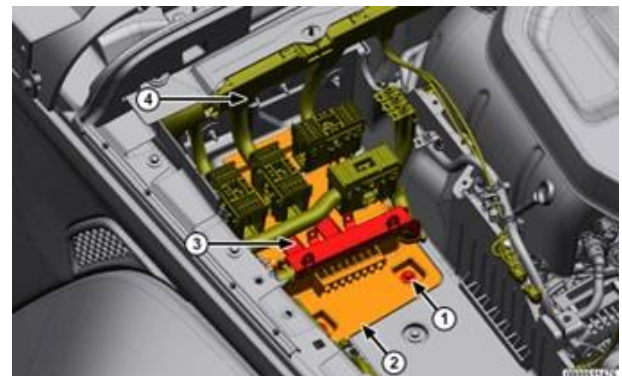
**Figure 17 – Power Distribution Center**

1 – Latches

25. Remove the wire harness bulk-heads on the underside of the primary PDC by gently wiggling from side to side while pulling.

26. Remove the primary PDC from the vehicle.

27. Release the wiring harness retainer and set the wire harness aside (Figure 18).



**Figure 18 – Auxiliary Battery Cover**

1 - Auxiliary Battery Cover Bolt

2 - Auxiliary Battery Cover

3 - Wire Harness Retainer

4 - Wire Harness

28. Remove the bolts and for the auxiliary battery cover and remove the cover from the battery tray (Figure 18).

29. Remove the nuts securing the battery cables from the auxiliary battery (Figure 19).

30. Remove the auxiliary battery thermal cover and remove the battery from the battery tray (Figure 19).

31. Support the vehicle then remove the right front tire and wheel assembly.

32. Remove the screws from the right front splash shield (Figure 20).

33. Remove and **DISCARD** the push pin fasteners from the right front splash shield (Figure 20).

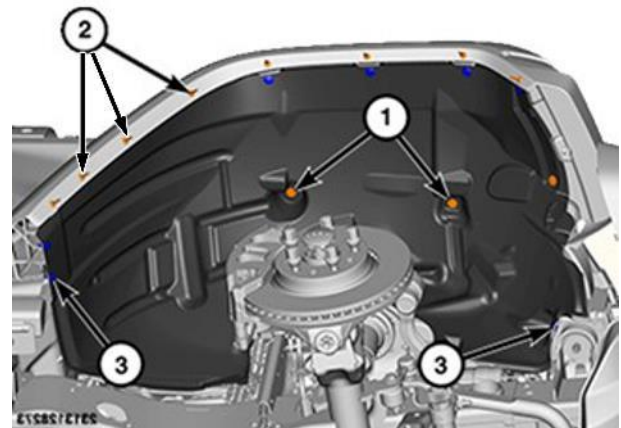
34. Remove and **DISCARD** the three rivets securing the right front splash shield to the flare molding (Figure 20).

35. Remove the splash shield (Figure 20).



**Figure 19 – Auxiliary Battery**

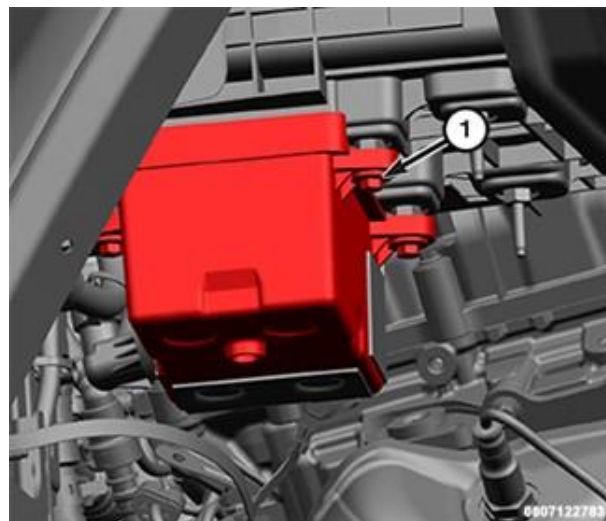
- 1 - Auxiliary Battery Thermal Cover
- 2 - Auxiliary Battery Cable Nus
- 3 - Auxiliary Battery



**Figure 20 – Splash Shield**

- 1 - Screws
- 2 - Rivets
- 3 - Push Pin Fasteners

36. Remove the 3 bolts from the bottom of the auxiliary battery tray then remove the auxiliary battery tray (Figure 21).



**Figure 21 – Auxiliary Battery Tray**

1 - Battery Tray Bolts

37. Remove the bolt and position power steering reservoir aside (Figure 22).



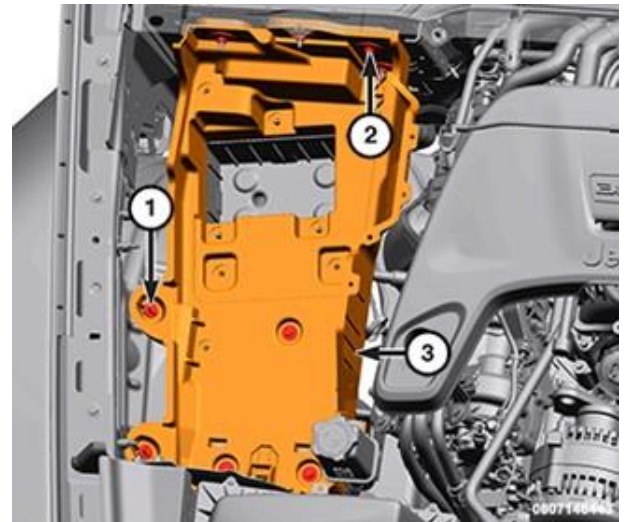
**Figure 22 – Power Steering Reservoir**

1 - Power Steering Reservoir Bolt

2 - Power Steering Reservoir

38. Remove and **DISCARD** the battery tray bolts (Figure 23).

39. Remove the four nuts from the battery tray (Figure 23).



**Figure 23 – Battery Tray**

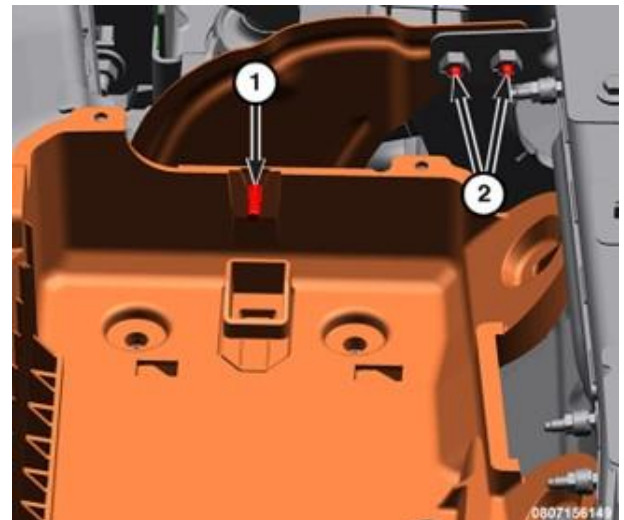
1 - Battery Tray Bolts

2 - Battery Tray Nuts

3 - Battery Tray

40. Remove the two bolts securing the battery tray bracket (Figure 24).

41. Lift the battery tray out of the engine compartment and remove from the vehicle.

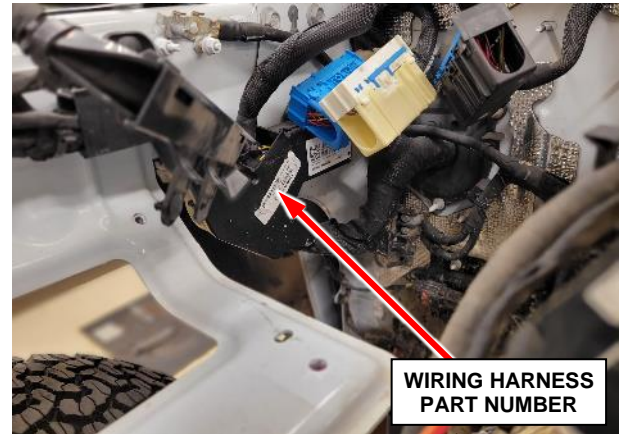


**Figure 24 – Battery Tray**

1 - Battery Tray

2 - Battery Tray to Bracket Bolts

42. With battery tray removed, inspect the part number printed on the wire harness label (Figure 25).
43. Is the suspect part number **68597668AB** printed on the label?
- **YES:** The suspect part number **68597668AB** is printed on the label. Proceed with **Section C** to replace the wire harness.
  - **NO:** If the part number is different than the suspect part number and there was no power at the trailer wiring connector when tested, there is another issue with the vehicle. Reassemble the vehicle. Further diagnosis will be necessary to determine the issue but is **NOT** part of this recall remedy.

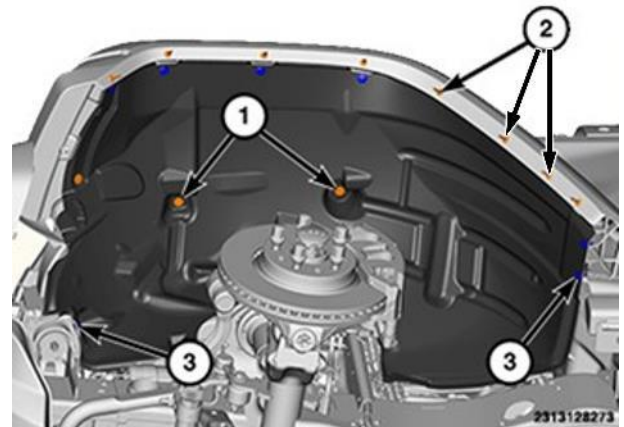


**Figure 25 – Inspect Part Number**

## SERVICE PROCEDURE

### **C. Replace Wire Harness**

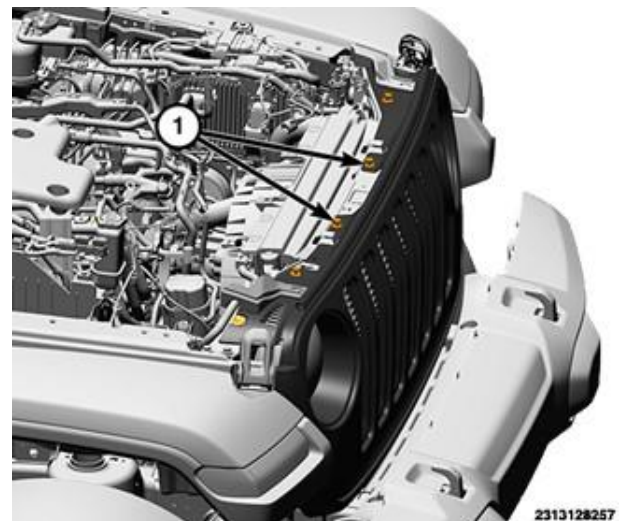
1. Remove the left front tire and wheel assembly.
2. Remove the screws from the left front splash shield (Figure 26).
3. Remove and DISCARD the push pin fasteners from the right front splash shield (Figure 26).
4. Remove and DISCARD the three rivets securing the right front splash shield to the flare molding (Figure 26).
5. Remove the splash shield (Figure 26).



**Figure 26 – Splash Shield**

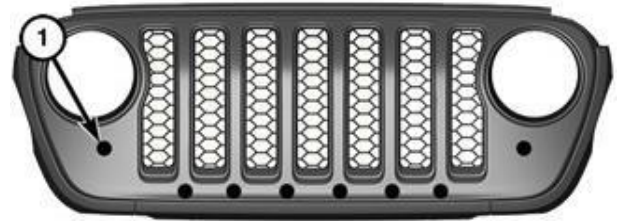
- 1 - Screws
- 2 - Rivets
- 3 - Push Pin Fasteners

6. Remove the grille push pins (Figure 27).



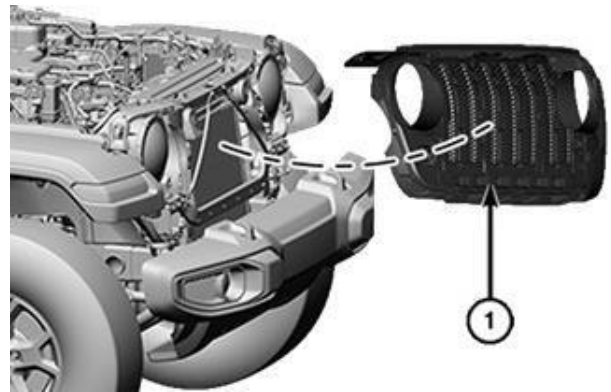
**Figure 27 – Grille Push Pins**

7. Carefully release the grille lower clips (Figure 28).



**Figure 28 – Grille Lower Clips**

8. Separate and remove the grille (Figure 29).



**Figure 29 – Grille**

9. Disconnect the camera wire harness connector and washer hose, if equipped (Figure 30).

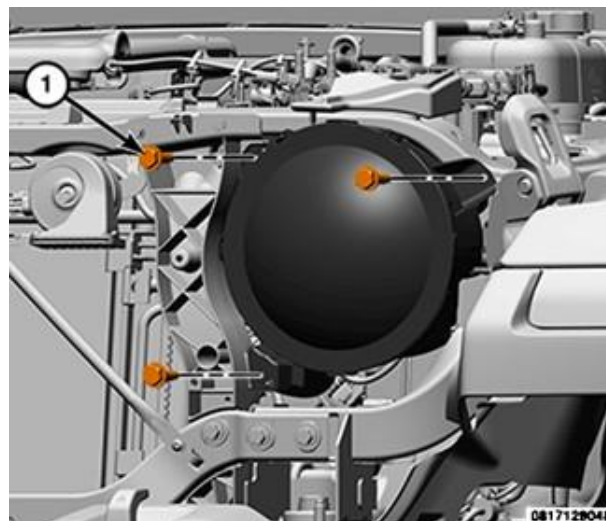


**Figure 30 – Front Camera and Washer**

1 - Camera Wire

2 - Washer Hose

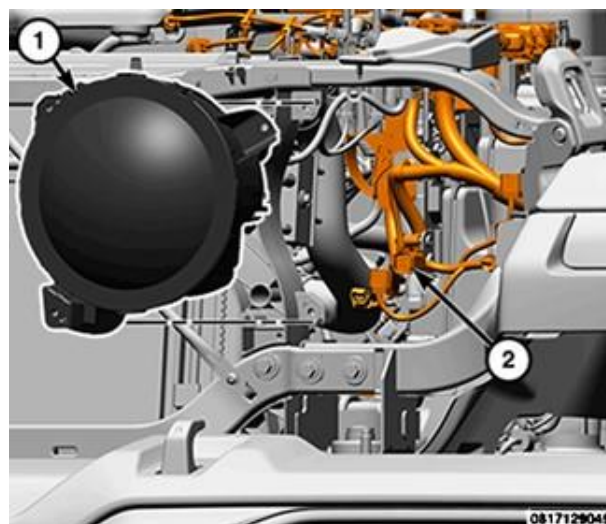
10. Remove and **DISCARD** the fasteners from both headlamps (Figure 31).



**Figure 31 – Headlamp Fasteners**

1 - Fastener

11. Remove both headlamp units and disconnect the wire harness connectors (Figure 32).



**Figure 32 – Headlamps**

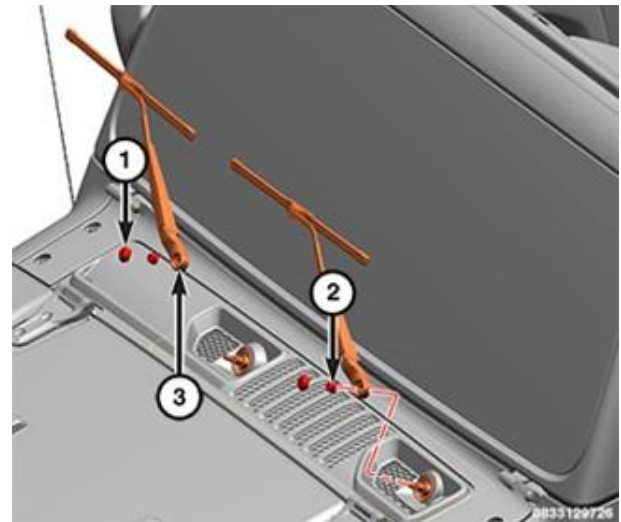
1 - Headlamp

2 - Wire Harness Connectors

12. Close the engine compartment hood.
13. Lift the front wiper arm to its over-center position to hold the wiper blade from the glass and relieve the spring tension on the wiper arm to pivot shaft connection (Figure 33).
14. Carefully unsnap the plastic cap from the wiper arm (Figure 33).
15. Remove the fastener that secures the wiper arm to the wiper pivot shaft (Figure 33).

**CAUTION:** The use of a battery terminal puller when removing the front wiper arm is NOT recommended as this may damage the front wiper arm.

16. Use a slight rocking action to disengage the front wiper arm pivot end from the pivot shaft and remove the wiper arm (Figure 33).
17. Using a Trim Stick C-4755 or equivalent, release the upper cowl panel cover retaining clips and remove the upper trim cover (Figure 34).



**Figure 33 – Wiper Arms**

- 1 - Cap
- 2 - Fastener
- 3 - Wiper Arm



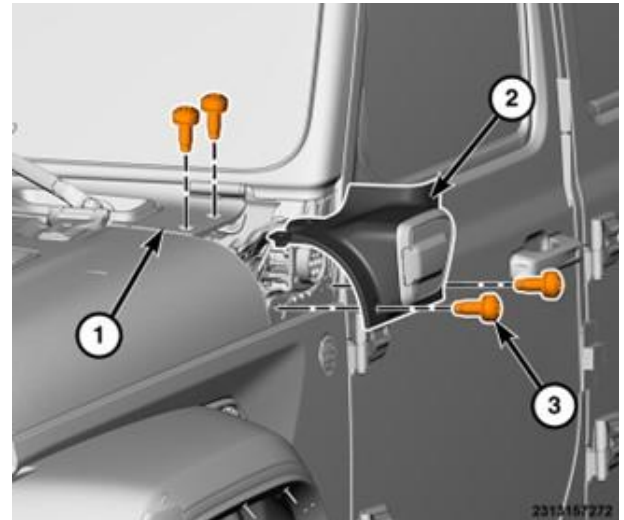
**Figure 34 – Cowl Panel Upper Cover**

- 1 - Upper Trim Cover

18. Remove the bolts and remove the cowl panel cover (Figure 35).

19. Disconnect the charge port door wire harness connector, if equipped (Figure 35).

20. Remove the bolts and remove the cowl panel cover. (Figure 35).



**Figure 35 – Cowl Panel Side Cover**

1 - Upper Cowl Panel Cover

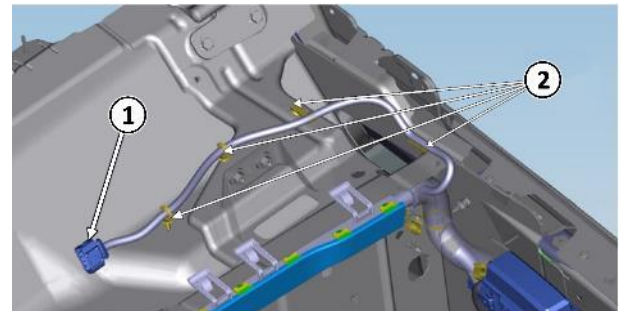
2 - Cowl Panel Cover

3 - Bolts

21. Disconnect the wire harness connector from the front wiper motor (Figure 36).

22. Release the wire harness retainers (Figure 36).

23. Remove the wire harness from under the cowl area.



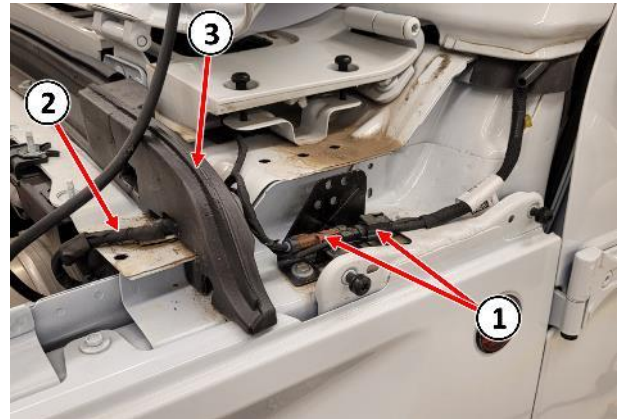
**Figure 36 – Front Wiper Motor Harness**

1 - Wire Harness Connector

2 - Wire Harness Retainers

24. Open the engine compartment hood.

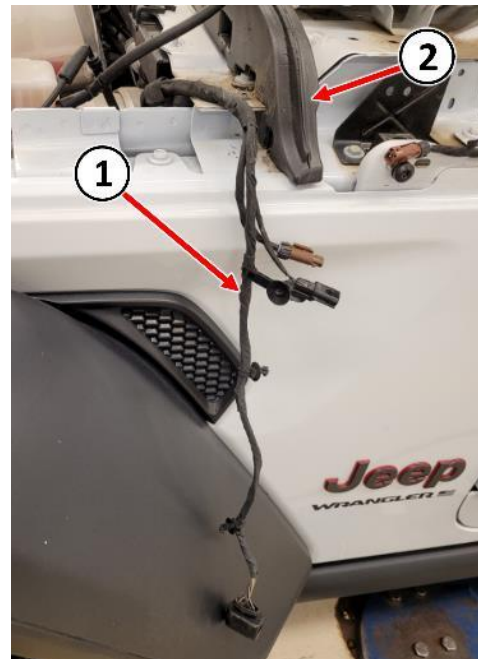
25. Disconnect antenna and any other wire harness connectors under the cowl panel side cover (Figure 37).



**Figure 37 – Antenna Harness**

- 1 - Wire Harness Connector
- 2 - Wire Harness
- 3 - Mocket Seal.

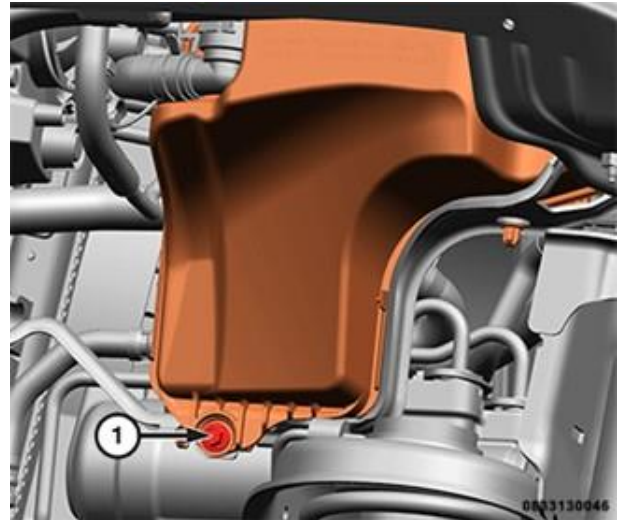
26. Remove the wire harness from under the mocket seal (Figure 38).



**Figure 38 – Wire Harness**

- 1 - Wire Harness
- 2 - Mocket Seal.

27. Remove and **DISCARD** the lower washer reservoir fastener (Figure 39).

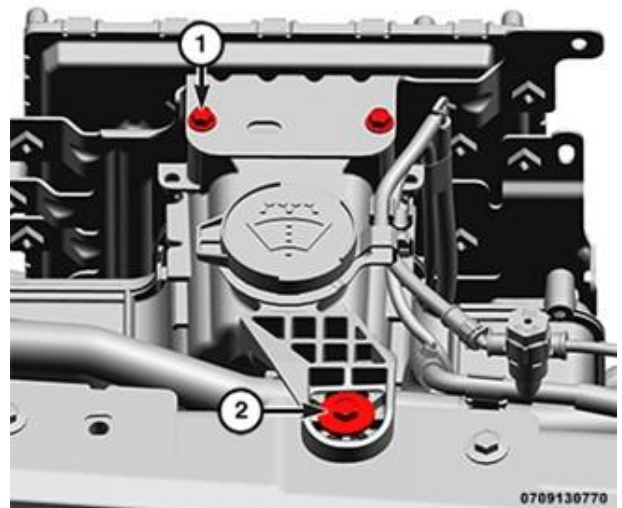


**Figure 39 – Washer Reservoir**

1 - Lower Reservoir Fastener

28. Remove and **DISCARD** the upper washer reservoir fastener (2) (Figure 40).

**NOTE** It is not necessary to remove the Powertrain Control Module (PCM) bracket upper retaining fasteners (1) (Figure 40).

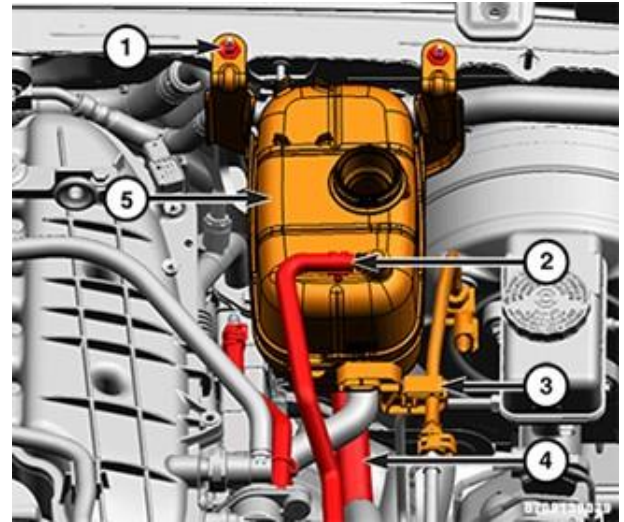


**Figure 40 – Washer Reservoir and PCM**

1 - Upper PCM Retaining Fasteners

2 - Upper Reservoir Fasteners

29. Remove the nuts and position the pressurized coolant bottle forward (Figure 41).



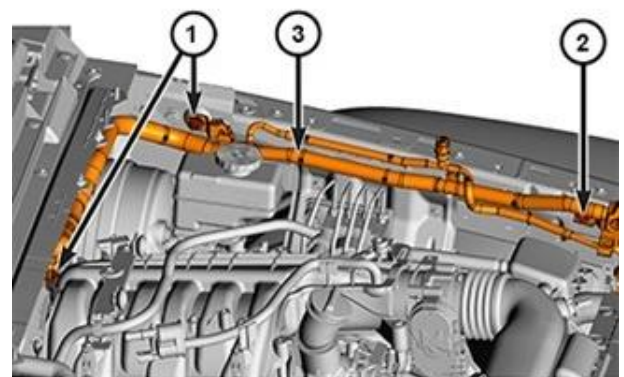
**Figure 41 – Pressurized Coolant Bottle**

- 1 - Coolant Bottle Nuts
- 2 - Coolant Vent Hose
- 3 - Vacuum Hose Retainer
- 4 - Coolant Hose
- 5 - Pressurized Coolant Bottle

30. Recover the refrigerant from the refrigerant system. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 24 - Heating and Air Conditioning / Plumbing / Standard Procedure.

31. Remove the nuts and bolt to release the A/C suction and liquid line assembly from the engine compartment (Figure 42).

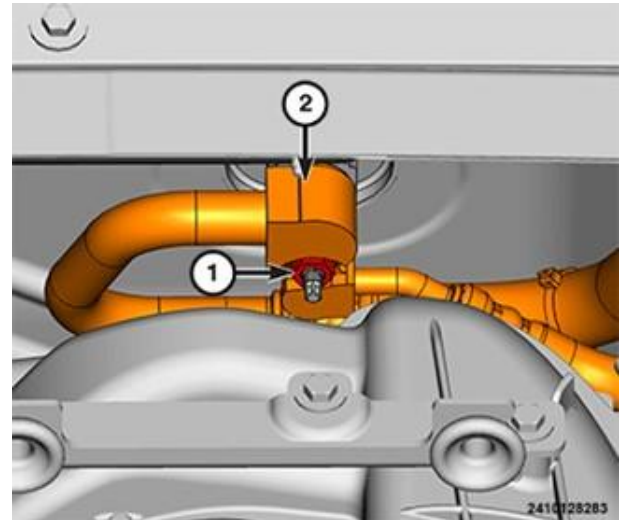
**NOTE: It is not necessary to remove the A/C suction and liquid line assembly from the engine compartment.**



**Figure 42 – A/C Lines Left Side**

- 1 - Nut
- 2 - Bolt
- 3 - Line Assembly

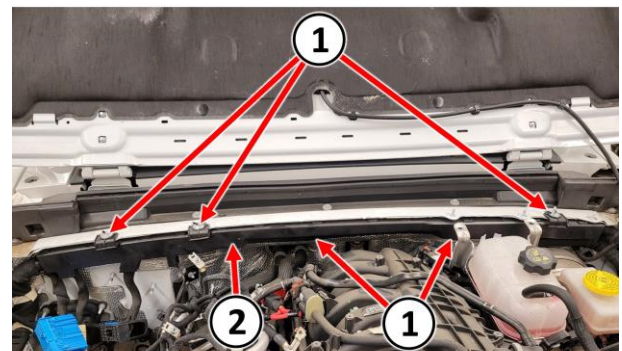
32. Remove the nuts and disconnect the A/C suction and liquid line assembly from the expansion valve. Remove and **DISCARD** the O-ring seals (Figure 43).



**Figure 43 – A/C Lines to Expansion Valve**

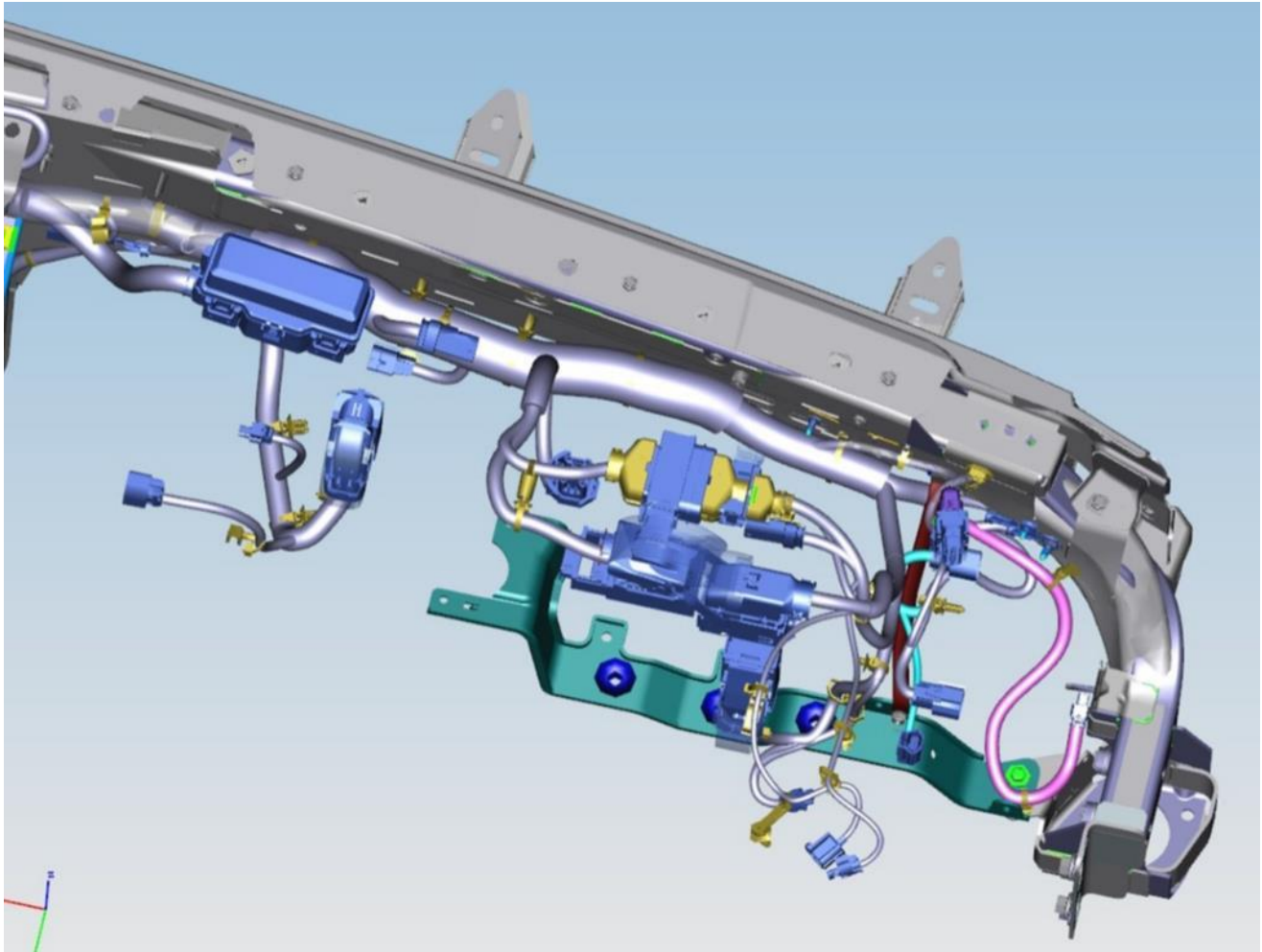
- 1 - Nut  
2 - Line Assembly

33. Remove the five nuts releasing the harness assembly from the cowl (Figure 44).



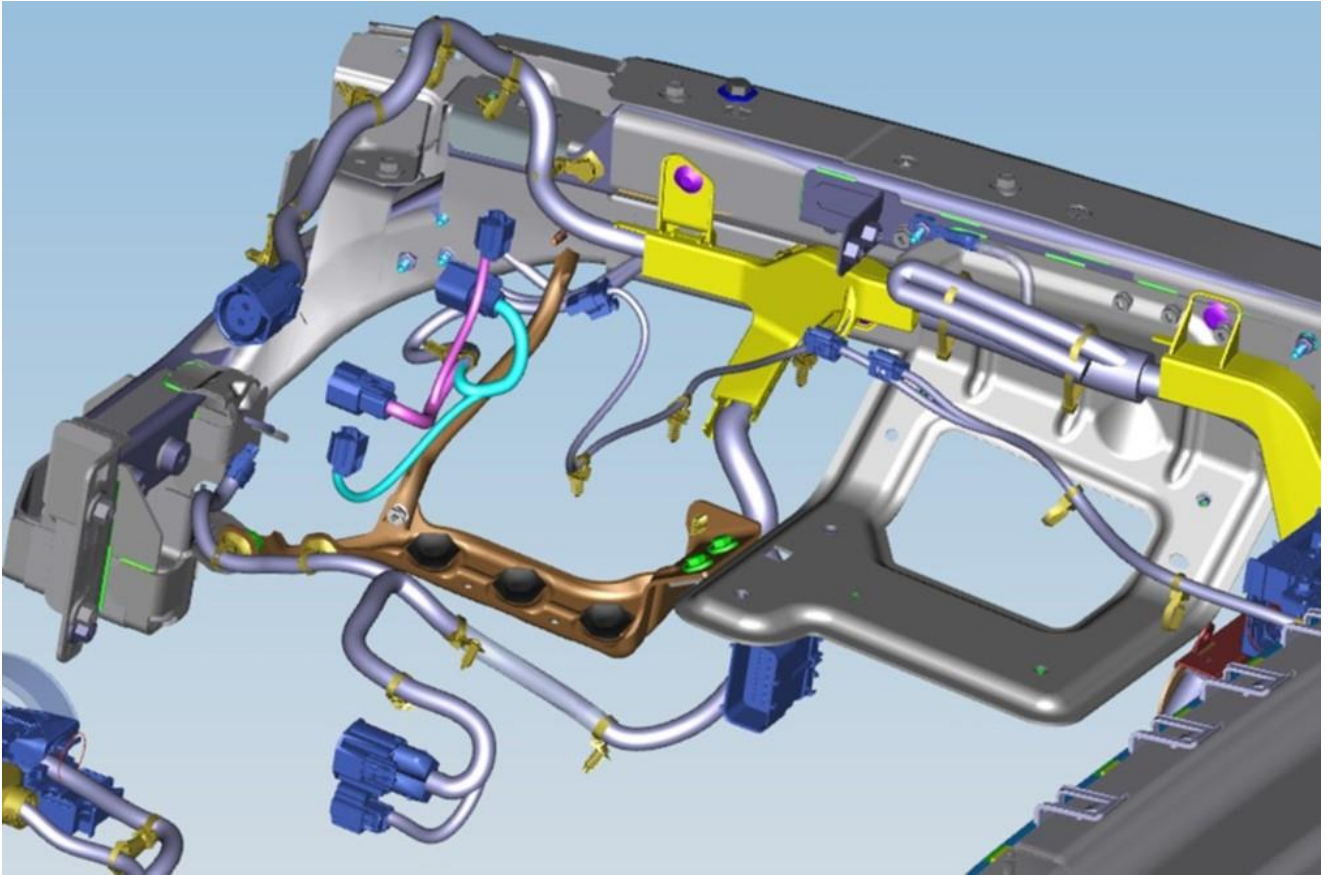
**Figure 44 – Harness Assembly**

- 1 - Nuts  
2 - Harness Assembly



**Figure 45 – Wire Harness Left Side of Vehicle**

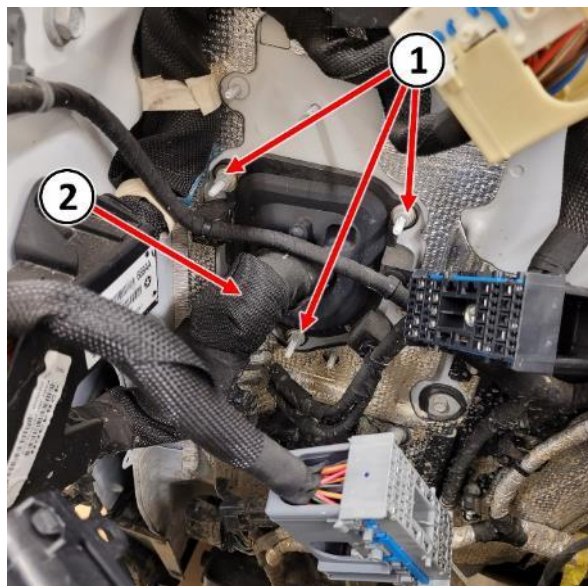
34. Disconnect wire harness electrical connectors and ground connections on left side of vehicle (Figure 45).
35. Release wire harness retainers on left side of vehicle (Figure 45).



**Figure 46 – Wire Harness Right Side of Vehicle**

36. Disconnect wire harness electrical connectors and ground connections on right side of vehicle (Figure 46).
37. Release wire harness retainers on right side of vehicle (Figure 46).

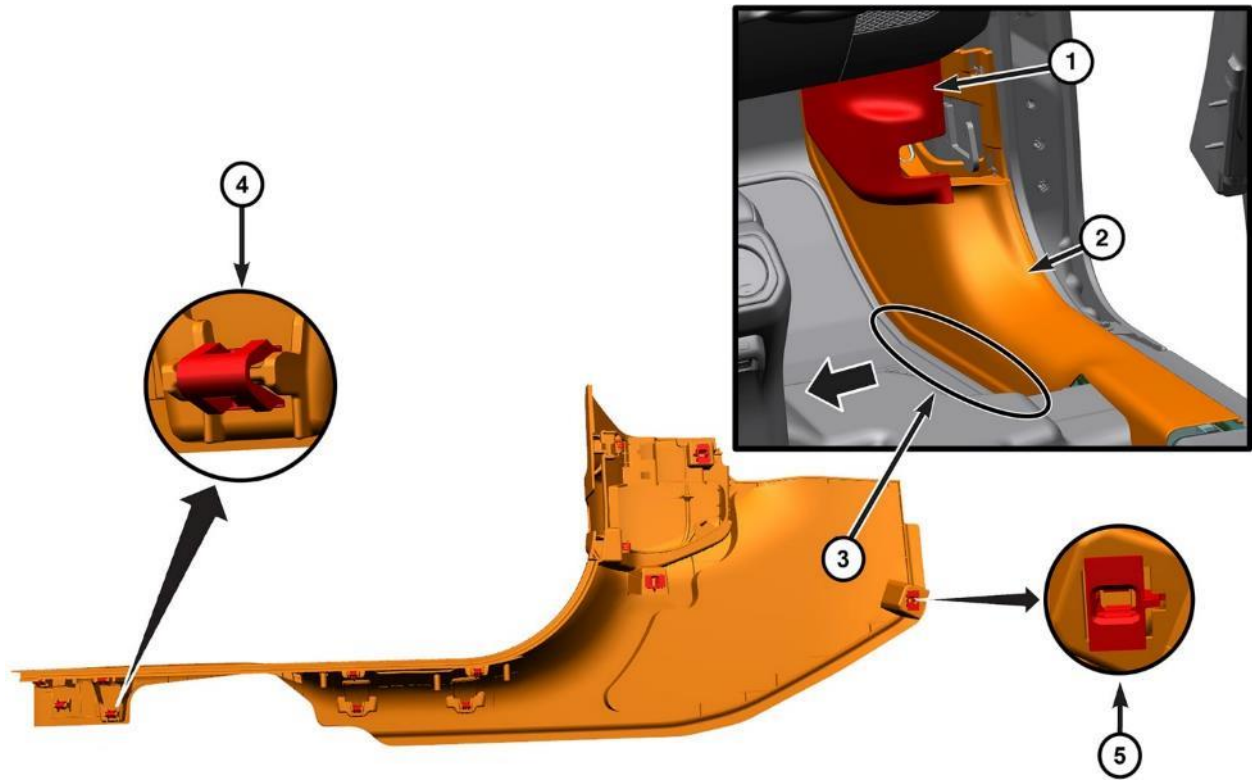
38. Remove the nuts securing the harness pass thru seal to the cowl (Figure 47).



**Figure 47 – Cowl Harness Pass Thru**

1 - Nuts

2 - Harness Assembly



**Figure 48 – Cowl Trim Panel Right Side**

- 1 - Cover Panel
- 2 - Cowl Trim Panel
- 3 - Lower Rear Edge
- 4 - Clip
- 5 - Clip

39. Using a trim stick or equivalent, insert into lower rear edge and pull inboard. Continue forward in vehicle removing clips by pulling inboard. Do not pull up due to risk of damage (Figure 48).

- 40. Remove the mounting bracket fasteners from the Body Control Module (BCM) (Figure X).
  
- 41. Remove the BCM from the vehicle mounting bracket (Figure X).



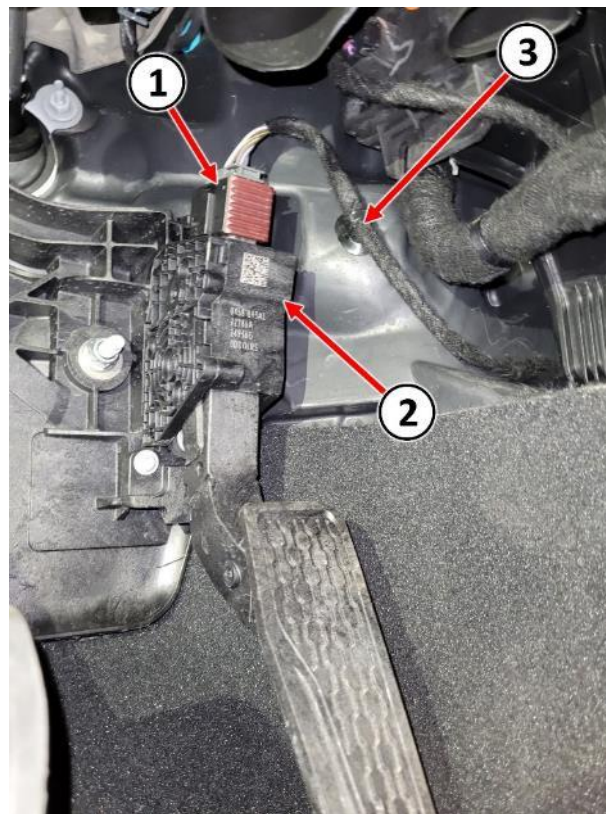
**Figure 49 – Body Control Module (BCM)**  
1 - Mounting Bracket Fastener

- 42. Disconnect the BCM wire harness connectors and remove the BCM from the vehicle (Figure X).



**Figure 50 – Body Control Module (BCM)**  
1 - Wire Harness Connector

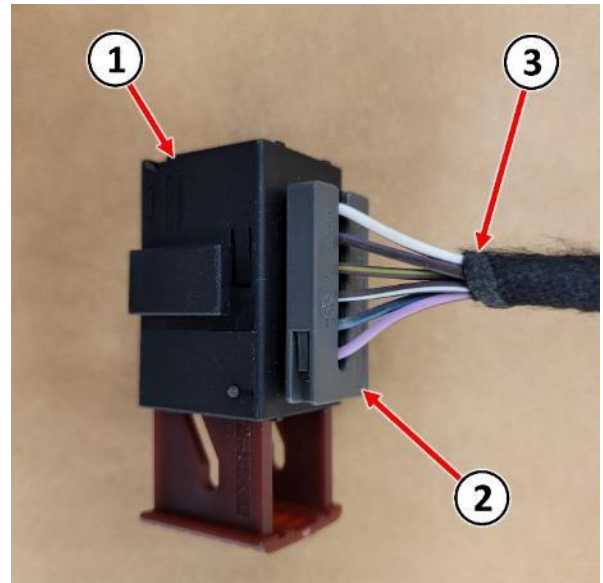
- 43. Disconnect the wire harness connector from the accelerator pedal (Figure 51).
  
- 44. Release the wire harness retainer (Figure 51).



**Figure 51 – Accelerator Pedal**

- 1 - Wire Harness Connector
- 2 - Accelerator Pedal Assembly
- 3 – Wire Harness Retainer

- 45. Remove the wire terminal lock from the electrical connector (Figure 52).
  
- 46. Using a terminal pick, remove the six wires from the connector housing (Figure 52).

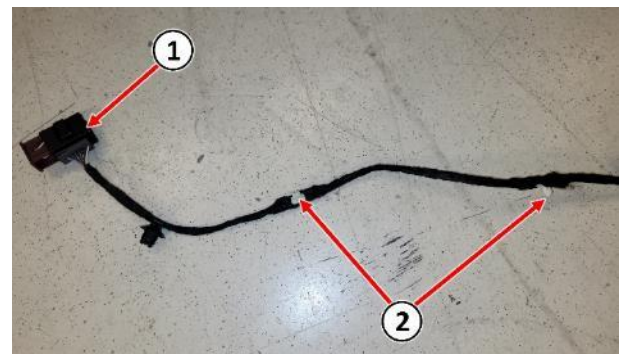


**Figure 52 – Accelerator Pedal Electrical Connector**

- 1 – Connector Housing
- 2 – Terminal Lock
- 3 – Wire Harness

- 47. The accelerator pedal wire harness is secured to the floor by two retainers behind the instrument panel. Release those retainers (Figure 53).
  
- 48. Attach a fish line string or wire to the end of the wire harness then feed the wire harness behind the instrument panel to the right side of the vehicle.

**NOTE: The fish line string or wire will be used to feed the new wire harness behind the instrument panel during reassembly.**



**Figure 53 – Accelerator Pedal Wire Harness**

- 1 – Wire Harness Connector
- 2 – Wire Harness Retainers



**Figure 54 – Wire Harness Assembly**

49. Remove the old wire harness assembly from the vehicle and **DISCARD** (Figure 54).
50. Obtain the **NEW** wire harness assembly.
51. Install the **NEW** wire harness assembly **in reverse order** of removal procedure. Only specific instructions and torque specifications are identified in the following steps, otherwise harness installation is reverse of removal.
52. Using a terminal pick tool, the accelerator pedal wire harness connector will need to be disassembled. Using the fishline string or wire, guide the harness behind the instrument panel. Then reassemble the accelerator pedal electrical connector (Figure 52).
53. Use **NEW** O-ring seals then tighten A/C suction and liquid line assembly to the expansion valve nut to 20 N·m (15 Ft. Lbs.) (Figure 43).
54. When charging the A/C system, use an R-1234yf refrigerant recovery/recycling/charging station that meets SAE standard J2843. In accordance with SAE standard J2843, refrigerant recovery stations must charge the system to an accuracy of 14 grams (0.5 oz.). See the operating instructions supplied by the equipment manufacturer for proper care and use of this equipment.
55. Install the nuts and bolt to secure the A/C suction and liquid line assembly to the engine compartment. Tighten the fasteners to 9 N·m (80 In. Lbs.) (Figure 42).
56. Use **NEW** fasteners for the headlamps. Tighten securely.
57. Use **NEW** fasteners for the windshield washer bottle. Tighten securely.

58. Tighten the cowl side panel cover bolts to 7 N·m (62 In. Lbs.) (Figure 35)
59. Wiper arm installation (Figure 33):
- a) Be certain that the wiper motor is in the park position before attempting to install the front wiper arms.
  - b) The wiper arms must be indexed to the pivot shafts with the wiper motor in the park position to be properly installed. Loosely position the wiper arm pivot end onto the wiper pivot shaft so that the wiper blade is aligned with the wiper alignment line, which is a horizontal T mark located just above the upper margin of the lower windshield.
  - c) Once the wiper blade is aligned, lift the wiper arm away from the windshield slightly to relieve the spring tension on the pivot end and push the pivot end of the wiper arm down firmly and evenly over the pivot shaft.
  - d) Tighten the fasteners to 23 N·m (17 Ft. Lbs.).
60. Power up the 12-volt battery system. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 08 - Electrical / 8F - Engine Systems / Battery System / Standard Procedure.

**Battery system torque specs:**

DESCRIPTION	SPECIFICATION	COMMENT
Auxiliary Battery M6 Nut to Negative Cable	6 N·m (53 In. Lbs.)	
Auxiliary Battery M6 Nut to Positive Cable	6 N·m (53 In. Lbs.)	
Auxiliary Battery Positive Post - M6 Double Ended Torx Stud	6 N·m (53 In. Lbs.)	
Auxiliary Battery Negative Post - M6 Double Ended Torx Stud	6 N·m (53 In. Lbs.)	
B+ Battery Positive At PDC	8 N·m (71 In. Lbs.)	
B+ Wire To PCR Positive Terminals	11 N·m (8 Ft. Lbs.)	
Battery Negative Cable	6 N·m (53 In. Lbs.)	
Battery Positive Cable	9 N·m (80 In. Lbs.)	
Battery Bracket Bolt	5 N·m (44 In. Lbs.)	
Battery Tray Bolts	7 N·m (62 In. Lbs.)	Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.
Battery Tray Nuts	5 N·m (44 In. Lbs.)	
Intelligent Battery Sensor (IBS) M6 Nut To Negative Battery Post	7 N·m (62 In. Lbs.)	
M6 Nut Negative Cable To The IBS	8 N·m (71 In. Lbs.)	
Negative Main Battery M6 Nut From Auxiliary Battery	8 N·m (71 In. Lbs.)	
Negative Main Battery M8 Nut From Auxiliary Battery	15 N·m (11 Ft. Lbs.)	
Power Distribution Center (PDC) To Wiring Connector	8 N·m (71 In. Lbs.)	

**SAFETY RECALL**  
NORTH AMERICA  
**Trailer Tow Function**



Reference: B9B / NHTSA 24V-871

FCA US LLC

- 
61. Tighten the wheel lug nuts in a star pattern to 176 N·m (130 Ft-Lbs).
  62. Install the air intake system and engine cover.
  63. Inspect new electrical harness is functioning as expected.
  64. Return the vehicle to customer or inventory.

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

**B9B/NHTSA 24V-871**

**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 B9B.

# IMPORTANT SAFETY RECALL

## Trailer Tow Lighting

Dear [Name],

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

FCA US LLC has decided that certain [2024 model year (JL) Jeep® Wrangler] vehicles equipped with a 6-speed manual transmission and trailer tow option, fail to conform to Federal Motor Vehicle Safety Standard (FMVSS) No. 108 Lamps, reflective devices, and associated equipment.

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?

Your vehicle <sup>[1]</sup> equipped with the trailer tow option, may have been built with an incorrect dash wiring harness that prevents the trailer lighting from functioning. **Trailers with inoperative trailer lighting may result in an approaching vehicle being unaware of the change of direction or speed of the vehicle and trailer, which can cause a vehicle crash without prior warning.**

The condition above fails to conform to the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 571.108, "Lamps, Reflective Devices, and Associated Equipment." requires trailer lighting to be operational. The affected vehicles were built with an incorrect dash wiring harness which may result in all trailer lighting being inoperative.

### HOW DO I RESOLVE THIS IMPORTANT SAFETY ISSUE?

FCA US LLC will repair your vehicle <sup>[2]</sup> free of charge (parts and labor). To do this, your dealer will inspect and, if necessary, replace the dash wiring harness. The estimated repair time is six hours. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit, which may require more time. Your time is important to us, so we recommend that you schedule a service appointment to minimize your inconvenience. Ask your dealer for alternate transportation options while your vehicle is in service. Please bring this letter with you to your dealership.

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

### 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](http://www.fcarecallreimbursement.com) to submit your reimbursement request online. <sup>[3]</sup> 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](http://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.