

**Revision 1 May 2023**

Dealer Service Instructions for:

# **Safety Recall 15A / NHTSA 23V-058**

## **Low Cluster Brightness**

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**NOTE: The Parts Information section has been updated.**

### **Remedy Available**

**2022 (MP) Jeep® Compass**

**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 instrument panel center cluster display on about 90 of the above vehicles may have insufficient backlighting due to incompatible vehicle components, making the instrument panel center cluster display not visible to the driver during daytime driving conditions.

A center cluster that is not visible to the driver may result in the driver's attention being distracted from the driving task while trying to locate a desired display, such as the fuel gauge and warning lights, which can cause a vehicle crash without prior warning.

## **Repair**

Replace the windshield and headlamp switch and add a light sensor module and a wiring jumper harness to allow the instrument panel center cluster display backlighting to function correctly.

## **Alternate Transportation**

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

**Parts Information**

<u>Part Number</u>	<u>Qty.</u>	<u>Description</u>
68483780AA	1	Light Sensor
68517340AC	1	Jumper Harness <b>(without Sales Code RDG)</b>
<b>68517344AC</b>	<b>1</b>	<b>Jumper Harness (with Sales Code RDG)</b>
68488321AA	1	Windshield
7BV14DX9AA	1	Headlamp Switch (Auto Headlamp Switch w/o Fog Lamps)
68094282AA	2	Windshield Spacer
7BB09DX9AA	1	Mirror Cover

**Parts Return**

No parts return required for this campaign.

**Special Tools**

The following special tools are required to perform this repair:

- NPN wiTECH MicroPod II
- NPN Laptop Computer
- NPN wiTECH Software
- C-4755 Trim Stick

<b>Service Procedure</b>
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## **Remove Trim**

**NOTE:**

- Urethane adhesives are applied as a system. Use glass cleaner, glass prep solvent, glass primer, PVC (vinyl) primer and pinch weld (fence) primer provided by the adhesive manufacturer. If not, structural integrity could be compromised.
- FCA US LLC does not recommend glass adhesive by brand. Technicians should review product labels and technical data sheets, and use only adhesives that their manufactures warrant will restore a vehicle to the requirements of FMVSS 212. Technicians should also insure that primers and cleaners are compatible with the particular adhesive used.
- Be sure to refer to the urethane manufacturer's directions for curing time specifications, and do not use adhesive after its expiration date.
- Vapors that are emitted from the urethane adhesive or primer could cause personal injury. Use them in a well-ventilated area.
- Skin contact with urethane adhesive should be avoided. Personal injury may result.
- Always wear eye and hand protection when working with glass.

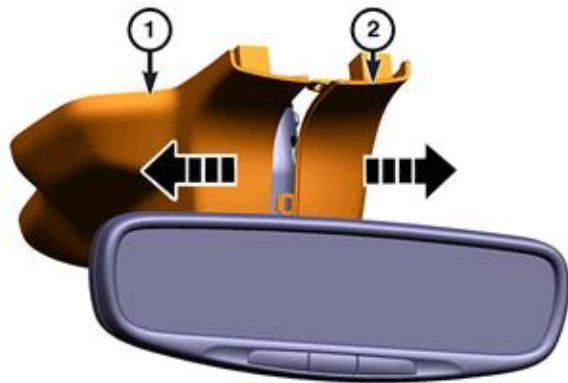
**CAUTION:** Protect all painted and trimmed surfaces from coming in contact with urethane or primers.

**Be careful not to damage painted surfaces when removing moldings or cutting urethane around windshield.**

**Service Procedure [Continued]**

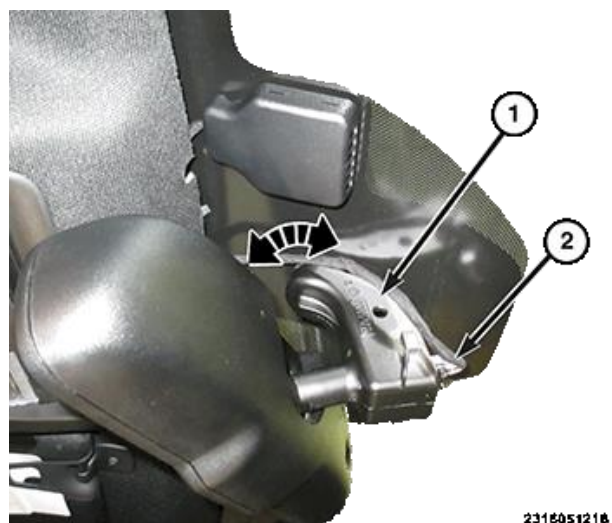
**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, Occupant Classification System (OCS), seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS. Failure to follow these instructions may result in accidental airbag deployment.

1. Partially lower the windows.
2. Disconnect and isolate the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), disconnect the IBS connector first before disconnecting the negative battery cable.
3. Using a small flat bladed tool, carefully release the clips down the center of the mirror trim (1 and 2). Then slide outward and remove. Discard the driver side half of the cover (Figure 1).



**Figure 1 – Upper Mirror Trim**

4. Disconnect the wire harness connector (2) from the mirror (Figure 2).

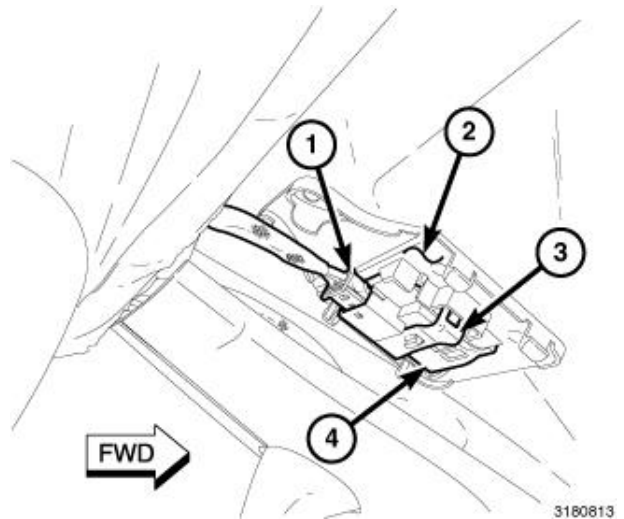


**Figure 2 – Harness Connector**

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**Service Procedure [Continued]**

5. Grasp the mirror by the base and rotate it clockwise approximately 90 degrees. Remove the mirror.
  
6. Disconnect the wire harness connector (1) from the humidity sensor, if equipped (Figure 3).



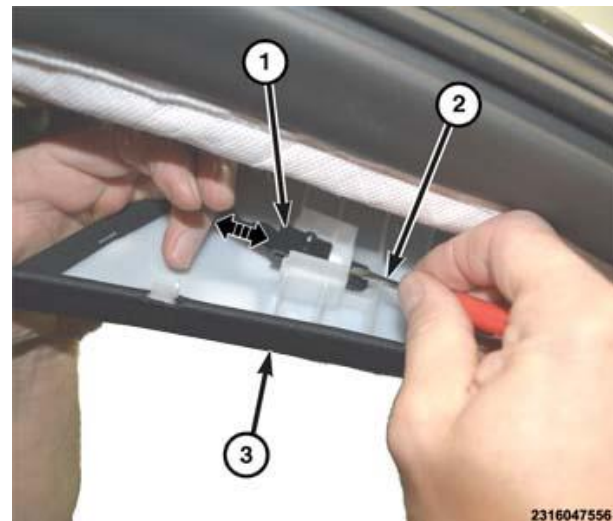
**Figure 3 – Humidity Sensor**

**Service Procedure [Continued]**

7. By hand, pull at the top of the A-pillar trim panel (1) and release it from the body. Do not remove the A-pillar trim (Figure 4).
8. Pull the A-pillar trim panel upward to separate it from the instrument panel.

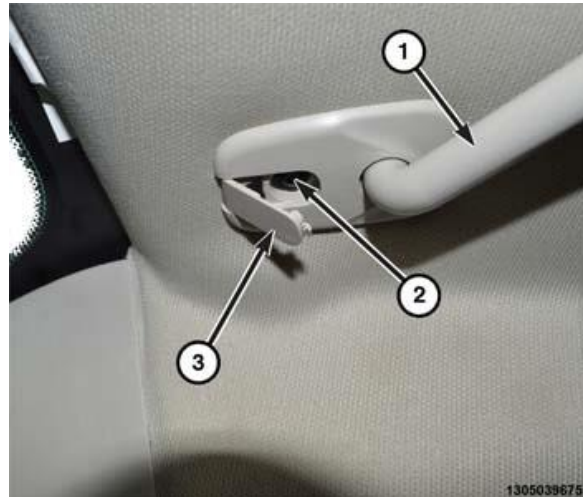
**Figure 4 – A-pillar Trim**

9. Using a flat bladed tool (2), press the tab to disengage the tether (1) and slide it out of A-pillar trim panel (3) (Figure 5).

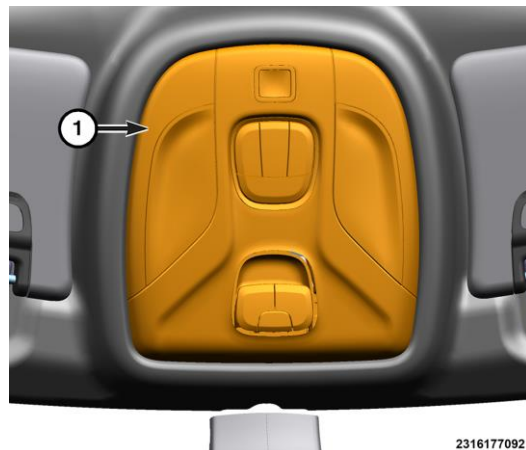
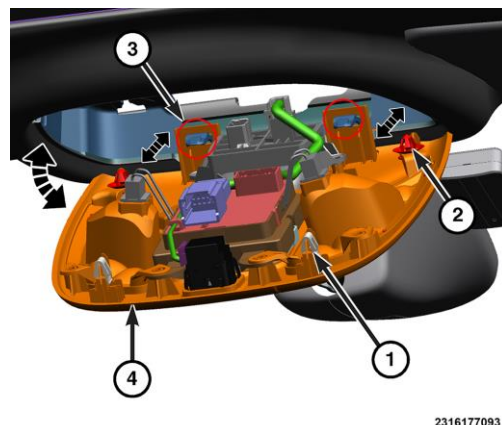
**Figure 5 – A-pillar Trim Tether**

**Service Procedure [Continued]**

10. Using a small pry tool, open the screw cover (3) and remove the screws (2) from each of the visors (Figure 6).
11. Rotate the visors upward towards the roof to remove it from the opening.
12. If equipped, disconnect the harness connectors.

**Figure 6 – Visor**

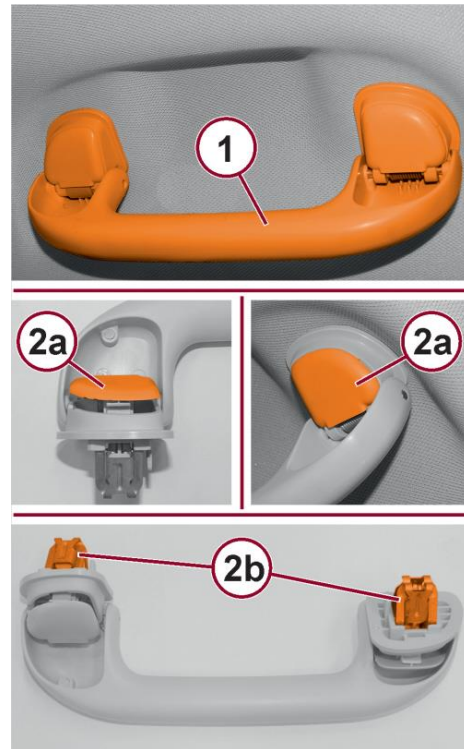
13. Using a trim stick or equivalent, working at the rear of the overhead console (1) (Figure 7), release the rear retaining clips (1), then release the side fasteners (2) (Figure 8).

**Figure 7 – Overhead Console****Figure 8 – Overhead Console Removal**



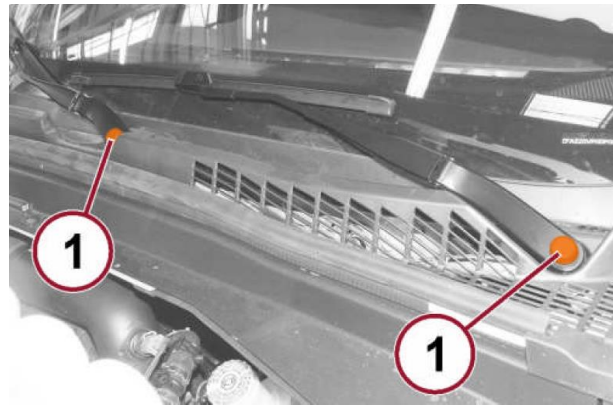
**Service Procedure [Continued]**

14. Slide the overhead console (4) toward the rear of the vehicle to release the tabs (3) on the front of the overhead console (Figure 8).
15. Disconnect the wire harness connectors and remove the overhead console (4) from the vehicle (Figure 8).
16. Using a suitable tool, lift the covers (2a) slightly to unlock the retainers (Figure 9).
17. Hold the grab handle firmly against the headliner, while pulling on the covers to fully release the retainers (2b) and remove the grab handle from the headliner (Figure 9).
18. Disconnect the jumper harness at the base of the A-pillar.
19. Disconnect the jumper harness at the mirror.
20. Pull down gently on the passenger front corner of the headliner, and disconnect the jumper harness fasteners at eight locations along the roof/windshield header. Remove the harness from the vehicle and discard.

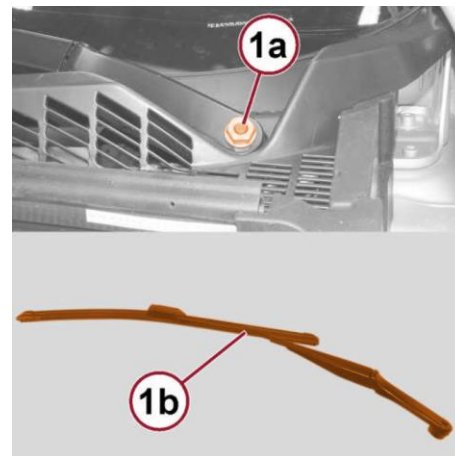
**Figure 9 – Grab Handle**

**Service Procedure [Continued]**

21. Using a trim stick or equivalent, remove the headlamp switch (Figure 10).
22. Disconnect the wire harness connector, remove the switch from the vehicle and discard.
23. Open the hood.
24. Carefully pry the plastic nut cap (1) from the nut on the pivot end of the wiper arms. (Figure 11).

**Figure 10 – Headlamp Switch****Figure 11 – Wiper Arms Nut Covers**

25. Remove the nut (1a) that secures the wiper arm to the wiper pivot shaft (Figure 12).
26. 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.

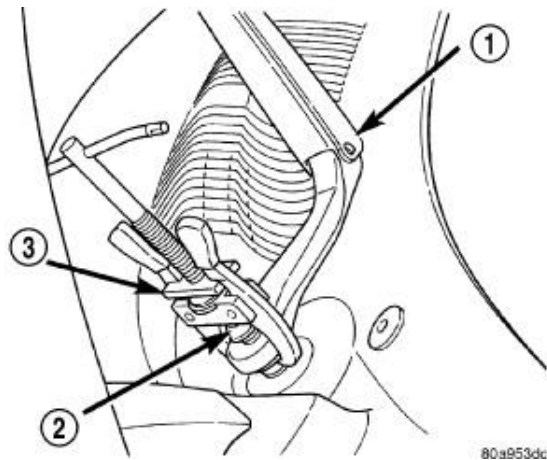
**Figure 12 – Wiper Arms Nuts**

**Service Procedure [Continued]**

27. Use a slight rocking action to disengage the front wiper arm pivot end from the pivot shaft and remove the wiper arm.

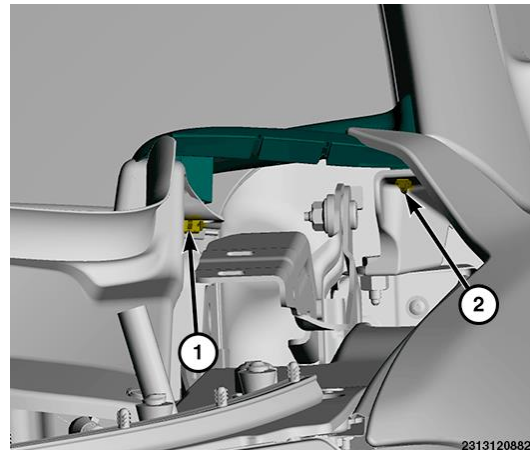
**CAUTION: The use of a battery terminal puller when removing the front wiper arm is NOT recommended except as a last resort, as this may damage the front wiper arm.**

28. If necessary, use a suitable battery terminal puller (3) to disengage the wiper arm (1) from the wiper pivot shaft (2) (Figure 13).
29. Remove the wiper arm pivot end from the wiper pivot shaft.



**Figure 13 – Battery Terminal Puller**

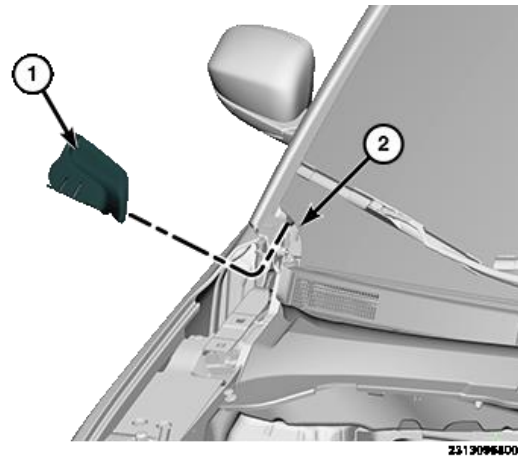
30. Using a C-4755 or equivalent, release the outer clip (2) from under the rear edge of the fender. (Figure 14).
31. Release the inner clip (1) and separate the cowl end cap (Figure 14).



**Figure 14 – Cowl End Cap Clip**

**Service Procedure [Continued]**

32. Push down and inward to release the cowl panel end cap (1) rear hook from windshield (2) (Figure 15).

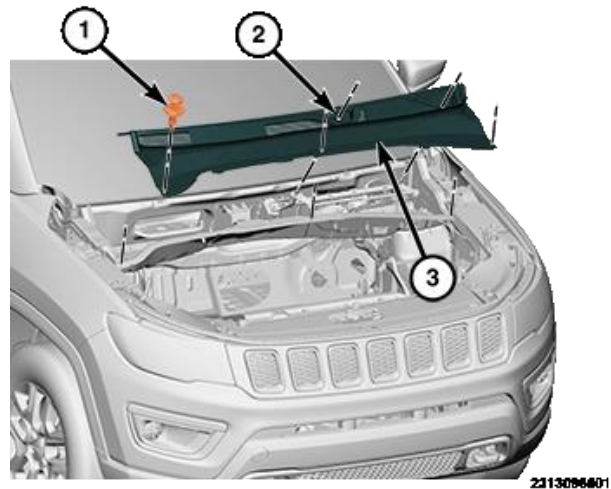


**Figure 15 – Cowl End Cap**

**NOTE:** If equipped, remove left foam insulator before the cowl removal and the right with the cowl removal.

33. Remove the three push-pin retainers (1) (Figure 16).

**CAUTION:** Use care when working with the retaining channel on the bottom of the windshield. If the retaining channel is damaged the windshield will require replacement.



**Figure 16 – Cowl Panel Cover Fasteners**

34. Lift the front (3) of the cowl panel cover and carefully pull it forward releasing it from the windshield retainer channel (Figure 16).
35. Remove the cowl panel cover (3) from the vehicle (Figure 16).

**Service Procedure [Continued]****Remove Windshield**

**CAUTION:** To reduce the chances of windshield breakage, the use of a rotating wire windshield removal tool is required (Figure 17).



**Figure 17 – Rotating Wire Windshield Removal Tool**

**CAUTION:** Be careful not to damage painted surfaces when removing moldings or cutting urethane around the windshield.

**CAUTION:** Protect all painted and trimmed surfaces from coming in contact with urethane or primers.



**Service Procedure [Continued]**

36. Close the hood. Using a rotating wire glass extraction tool or equivalent, cut and separate the urethane adhesive securing the windshield to the windshield fence. Make sure that the wire is under the lace molding (Figure 18).



**Figure 18 – Rotating Wire Removal System**

37. Using appropriate tools, carefully remove the windshield from the vehicle (Figure 19).



**Figure 19 – Windshield Removal**

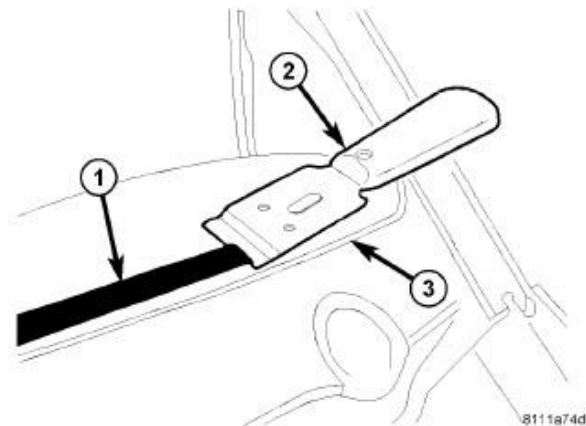
**Service Procedure [Continued]****Prepare Body and Windshield**

**CAUTION:** To help prevent water leaks, partially roll down the left and right door glass before installing the windshield. This avoids pressurizing the passenger compartment if a door is slammed before the urethane is cured.

**NOTE:** To prevent corrosion, do not damage paint on windshield fence when removing original urethane.

**NOTE:** The windshield fence should be cleaned of most of its old urethane adhesive. A small amount of old urethane, approximately 1 mm in height should remain on the fence. Do not completely remove all old urethane from the fence, the paint finish and bonding strength will be adversely affected.

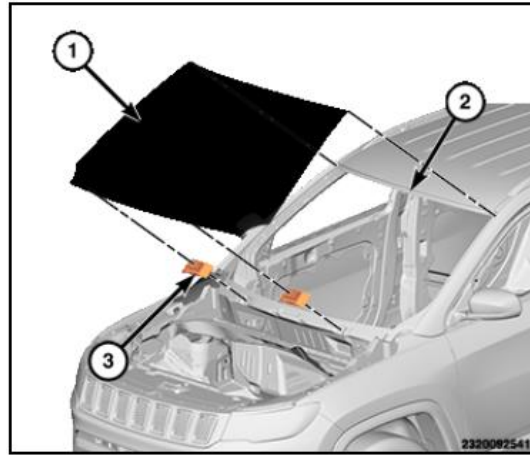
38. Starting in a convenient spot, use a razor knife (2), level the original bead of urethane (1) on the windshield fence (3) to a thickness of approximately 1 mm (0.04 in.) and remove the loose adhesive (Figure 20).



**Figure 20 – Body Fence Preparation**

**Service Procedure [Continued]**

39. Remove and replace the windshield retaining clips (3) if damaged (Figure 21).
40. Using an assistant, position the windshield into the windshield opening and against the windshield fence (2) (Figure 21).
41. Verify the windshield lays evenly against the fence at the top, bottom and sides of the opening. If not, the fence must be formed to the shape of the windshield.

**Figure 21 – Windshield Retainer Clips**

42. Mark the windshield and the windshield fence with pieces of masking tape to use as a reference for installation.
43. Using an assistant, remove the windshield from the windshield opening and place it on a suitable padded work surface.

**WARNING: Do not use solvent based glass cleaners to clean the windshield before applying glass prep and primer or poor glass adhesion may result.**

44. Transfer the Forward Facing Camera Module (FFCM) from the old glass to the new (if equipped):
  - Slide camera (ECU) and bracket rearward to disconnect bracket from pins on the old windshield.
  - Position the FFCM and FFCM bracket to pins on the new windshield.
  - Press the rear of the FFCM forward until it is secured and snapped into the proper position.



<b>Service Procedure [Continued]</b>
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45. Install the **NEW** light sensor to the windshield:

**NOTE:** The layer of silicone material is protected by a film that is removed when the component is installed. Avoid hand contact to prevent damage to the silicone. Because it is not possible to disconnect and reconnect the part without damaging the silicone layer, the HLRSMS should be replaced if the windshield is replaced.

**NOTE:** If a new component is installed, check that no air bubbles remain between the glass and HLRSMS; apply a load of at least 50 N (11 lbf) to be certain that any bubbles are eliminated.

- Clean the housing for the HLRSMS in the windshield thoroughly. Use a degreasing product.
- Place the HLRSMS in position.
- Position the retaining clip for the HLRSMS and attach the side hooks.

**Service Procedure [Continued]****Install Windshield**

**WARNING:** Do not use solvent based glass cleaners to clean the windshield before applying glass prep and primer or poor glass adhesion may result.

**WARNING:** Follow the urethane manufacturers guidance on cure time, and how soon the vehicle can safely be driven after glass replacement. If it is not cured, the windshield may not perform properly if the vehicle is in an accident.

**CAUTION:** Protect all painted and trimmed surfaces from coming in contact with urethane or primers.

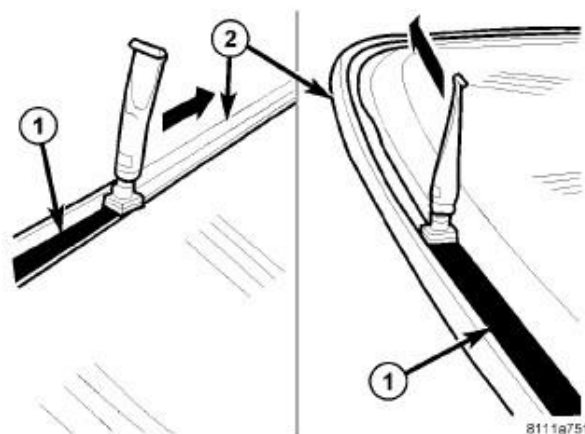
46. Clean the inside of the windshield with an ammonia based glass cleaner and a lint-free cloth.

**NOTE:** Always use matching brand chemical products for windshield replacements. Do not mix brands.

**NOTE:** Always follow the manufacturer's agitation requirements prior to application.

**NOTE:** The following steps for priming the glass apply to NEW windshield installations only.

47. When installing a **NEW** windshield, using a single step primer like Sika Primer 207, Betaprime 5504g, or equivalent, apply glass primer 25 mm (1 in) wide (1) around the perimeter of the windshield (2) and 5 mm (0.2 in) from the edge of the glass. Allow at least three minutes drying time (Figure 22).



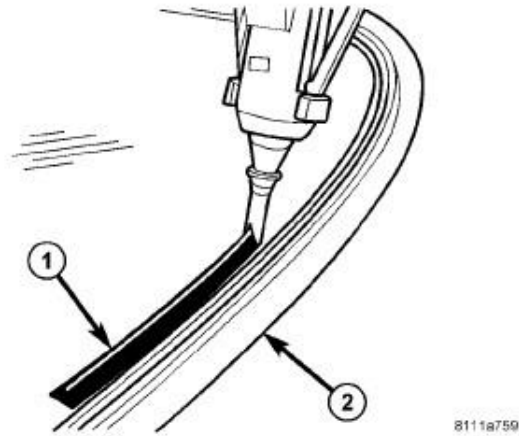
**Figure 22 – Primer**

**Service Procedure [Continued]**

48. Remove windshield opening and dash coverings and tape.

**CAUTION: Always apply the bead of adhesive to the windshield. Always install the windshield within 5 minutes after applying the adhesive.**

49. Using Sikatack Mach 30, (Sikatack Safe 30 if Safelite is performing the installation), Betaseal Xpress 30, or equivalent, apply approximately a 7 mm (0.275 in) wide by 13mm (0.511 in) high bead of adhesive (1) with a triangular nozzle approximately 6 mm (0.230 in) from the edge of the glass starting at the bottom center of the windshield (Figure 23).



**Figure 23 – Urethane Bead**

50. Run the end of the adhesive bead on the windshield parallel to the start of the bead and smooth the ends flush.
51. Using an assistant, position the windshield over the windshield opening.
52. Using the grease pencil marks or tape as reference points, align the windshield to the windshield opening.
53. Carefully lower the windshield into the windshield opening. Guide the windshield and the lace molding into its proper location.

**CAUTION: It is not possible to move the windshield after installation. The windshield should never be pressed into place by more than one person, because the windshield can break if pressed simultaneously on both sides.**

54. Push the windshield inward until the windshield comes into contact with the retainers located on the windshield fence.

<b>Service Procedure [Continued]</b>
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**Install Trim**

55. Install the cowl panel cover (3) to the vehicle (Figure 16).

**CAUTION:** Use care when working with the retaining channel on the bottom of the windshield. If the retaining channel is damaged the windshield will require replacement.

56. Install the three push-pin retainers (1) (Figure 16).

**NOTE:** If equipped, install left foam insulator after the cowl install and the right with the cowl install.

57. Install the cowl panel end cap (1) rear hook to windshield (2) (Figure 15).

**NOTE:** Be certain that the wiper motor is in the park position before attempting to install the wiper arms. Transition the ignition switch to the On status and move the multifunction switch control knob to turn the wiper motor On, then turn it back to the Off position. Wait until the wiper pivot shafts stop moving, then transition the ignition switch back to the Off status. The wiper motor is now in the park position.

58. Install the wiper arms. Tighten the nuts to 24 N·m (18 ft. lbs.) (Figure 12).

59. Carefully install the plastic nut cap (1) to the nut on the pivot end of the wiper arms. (Figure 11).

60. Connect the electrical connector to the **NEW** headlamp switch, and press the switch into place on the instrument panel (Figure 10).

61. Install the **NEW** wiring harness to the windshield frame, and secure connectors at each end.

62. Making sure the covers (2a) are pulled out, install the grab handle (1) into the roof (Figure 9).

63. Push the retainer covers (2a) in fully to lock it into place (Figure 9).

**Service Procedure [Continued]**

64. Connect the wire harness connectors and install the overhead console (4) to the vehicle (Figure 8).
65. Slide the overhead console (4) toward the front of the vehicle to seat the tabs (3) on the front of the overhead console (Figure 8).
66. Press up on the overhead console to seat it into the headliner.
67. If equipped, connect the harness connectors at the visors.
68. Install the sun visors (1) into the headliner opening and install the screws (2). Tighten the screw securely (Figure 6).
69. Close the screw covers (3) (Figure 6).
70. Align the tether (1) and slide it into the A-pillar trim panel (3) (Figure 5).
71. Push the A-pillar trim panel down to seat it to the instrument panel.
72. Push at the top of the A-pillar trim panel (1) and seat it to the body (Figure 4).

**NOTE: The mirror must be fully seated onto the button before rotating.**

73. Grasp the mirror (1) by the base and rotate it counterclockwise approximately 90 degrees to install (Figure 2).
74. Connect the wire harness connector (1) to the HLRSMS sensor (Figure 3).
75. Connect the FFCM electrical connector to the back of the FFCM.
76. Connect the electrical connector to the mirror.
77. Using a **NEW** driver side half, carefully align the mirror cover to the mirror.
78. Carefully snap the mirror cover together. Be certain all of the retaining tabs are fully engaged.

<b>Service Procedure [Continued]</b>
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79. Connect the negative battery cable. If equipped with an IBS, connect the IBS connector.
80. Add LMG sales code in DealerConnect.
81. Perform Proxy Alignment.
82. Perform the following steps to calibrate the FFCM:
  - Connect the scan tool and start the vehicle.
  - Navigate to the “Misc Functions” menu under the FFC and select the drive calibration routine.
  - The screen will now prompt you to drive the vehicle for calibration. The vehicle needs to be driven at speeds of 65 km/h (40 mph) and in the straightest road condition possible. You need a lane with lines (dashed or solid) on both sides of the vehicle. This averages to roughly ten minutes of drive time, terrain permitting.
  - After the camera learns the calibration, the scan tool FFC view will show calibrated.
  - Service calibration DTCs should be in the stored status at this point.
  - Erase FFC DTCs.

**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.

**NOTE: For repairs being sublet to a third party facility, please submit claims using both primary operations. LOP 2315A182 will be paid the full amount as the causal LOP, while 2315A183 will need to be inserted on the claim at no charge as a second condition. Use 97756555 to insert your sublet bill amount. Authorization may be required.**

Use the following labor operation numbers and time allowances:

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
Replace Windshield, Headlamp Switch, and Install New Harness	23-15-A1-82	2.8 hours
Sublet Windshield Replacement. Dealer Installs Headlamp Switch and Installs New Harness	23-15-A1-83	0.8 hours
Forward Facing Camera Equipped (FFCM)	23-15-A1-61	0.5 hours
Floor Plan Reimbursement	95-95-95-97	Calculate See Below

**Completion Reporting and Reimbursement [Continued]**

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 **02/16/2023** and the remedy was made available on **03/30/2023**, therefore, the number of days cannot exceed **43** days.

Vehicle	Average Daily Allowance
2022 (MP) Jeep Compass	

Add the cost of the recall 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 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