

SAFETY RECALL – NORTH AMERICA

B-Pillar Impact Sensor



Reference: 33A / NHTSA 23V-264

FCA US LLC



Remedy available for
2022 (DT) Ram 1500 Pickup

Template Version 1.8

Revision	Edition	Detail
0	20 April 2023	Initial Version.

SUBJECT

The B-pillar impact sensors on about 37 of the above vehicles may be missing.

Missing B-pillar impact sensors may result in delayed airbag deployment or non-deployment in certain circumstances, which may increase the risk of occupant injury.

SCOPE

This recall applies only to the above vehicles.

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.

REPAIR TO BE PERFORMED

Inspect and, if necessary, install the B-pillar impact sensors.

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 Description	Number	Hrs
Inspect for Missing Impact Sensors	08-33-A1-81	0.2
Inspect and Replace Both B-Pillar Impact Sensors	08-33-A1-82	0.8

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

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

PARTS INFORMATION

Part No.	Qty.	Part Name
68284053AA	2	Acceleration Sensor
06105099AA	2	Bolt

PARTS RETURN

No parts return required for this campaign.

SPECIAL TOOLS

Number	Description	Picture
NPN	wiTECH MicroPod II / MDP	
NPN	Laptop Computer	
NPN	wiTECH Software	

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

VEHICLE LISTS, GLOBAL RECALL SYSTEM, VIP AND DEALER FOLLOW UP

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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.

SERVICE PROCEDURE

A. Removal

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, airbags, airbag curtains, knee blocker, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect the Intelligent Battery Sensor (IBS)/negative battery cable assembly from the negative battery post, 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 take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid serious or fatal injury, never strike or drop the side impact sensor, as it can damage the impact sensor or affect its calibration. The side impact sensor enables the system to deploy the side Supplemental Restraint System (SRS) components. If an impact sensor is accidentally dropped during service, the sensor must be scrapped and replaced with a new unit. Failure to observe this warning could result in accidental, incomplete, or improper side SRS component deployment.

1. With the Ignition ON, check for an Air Bag Warning Light (Figure 1).
2. Connect the scan tool, and check for codes that would indicate a missing B-pillar Impact Sensor.
3. Impact Sensor missing?
 - a. YES: Proceed to Step 4.
 - b. NO: The system is complete and working properly. Return the vehicle to the owner, and close the recall.



Figure 1 – Air Bag Warning Light

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4. Adjust the appropriate front seat to its full forward position for easiest access to the B-pillar.

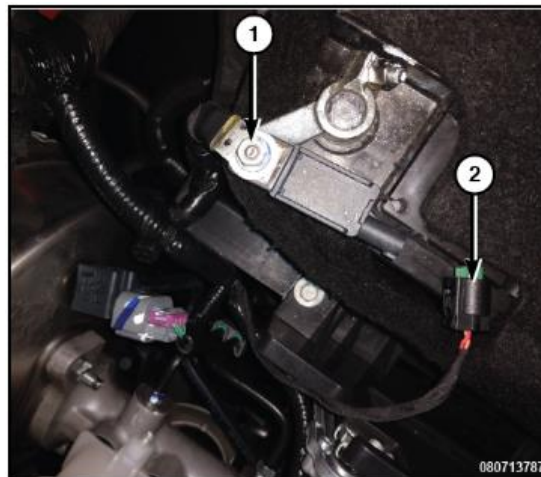
NOTE: When disconnecting and isolating the negative battery cable for the 12 volt system, this will also power down the 48 volt battery system. No extra steps will be needed for a power down of the 48 volt system.

NOTE: The graphic in this procedure depicts a typical negative battery cable and Intelligent Battery Sensor (IBS) connection at the negative battery post. The location of the battery and orientation of the cable eyelet connection to the IBS can vary between vehicles. Refer to the Description and Operation for the 12 volt battery specific location.

5. Remove the ground terminal nut (Figure 2).
6. Remove and isolate the negative battery cable eyelet from the IBS. This will isolate the 12 volt and 48 volt battery from the vehicle electrical system.
7. Reposition floor mat as needed.

NOTE: If removing the negative battery cable clamp from the battery post instead of removing the negative battery cable eyelet, the Intelligent Battery Sensor (IBS) wire harness connector must be disconnecting prior to removing the cable end. Failure to disconnect the IBS wire harness connector can lead to damage of the IBS wire harness connector.

8. Using a trim stick or equivalent, disengage the retaining tabs of the cowl trim panel from the retainer clips in the door sill (Figure 3).
9. Pull the cowl trim panel rearward and remove it from the vehicle (Figure 3).



1 - Ground Terminal Nut

2 - IBS Wire Harness Connector

Figure 2 – Battery Disconnect



Figure 3 – Cowl Trim Panel

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10. Using a trim stick or equivalent, disengage the retaining tabs of the sill trim panel from the retainer clips in the rear door sill and remove the trim panel (Figure 4).
11. Pull back enough of the front and rear door seals to expose the edges of the mid B-pillar trim.

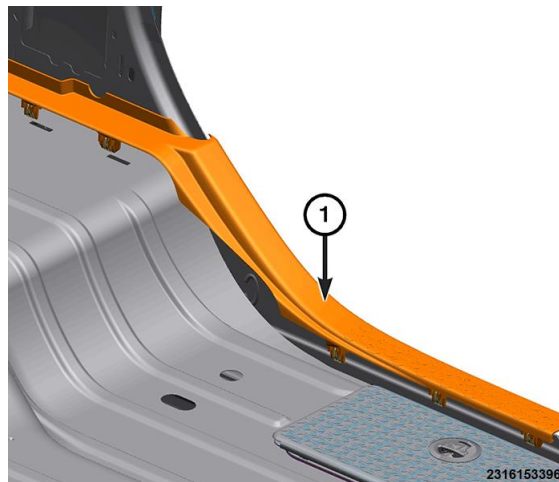


Figure 4 – Sill Trim Panel

12. Using a trim stick or equivalent release the retaining clips and remove the B-pillar mid trim panel (Figure 5).

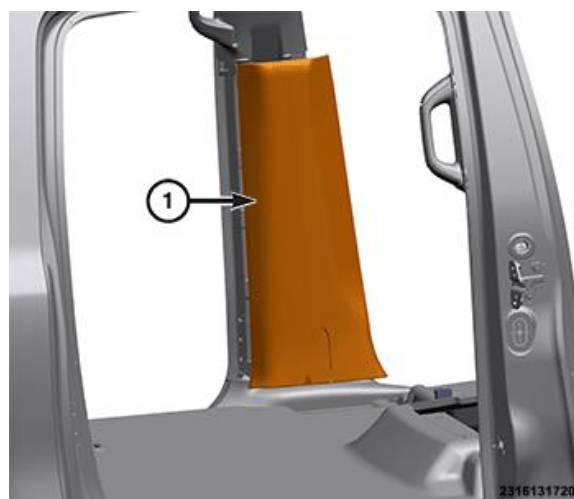


Figure 5 – B-Pillar Mid Trim Panel

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13. Using a trim stick or equivalent release the retaining clips and remove the lower B-pillar trim panel (Figure 6).

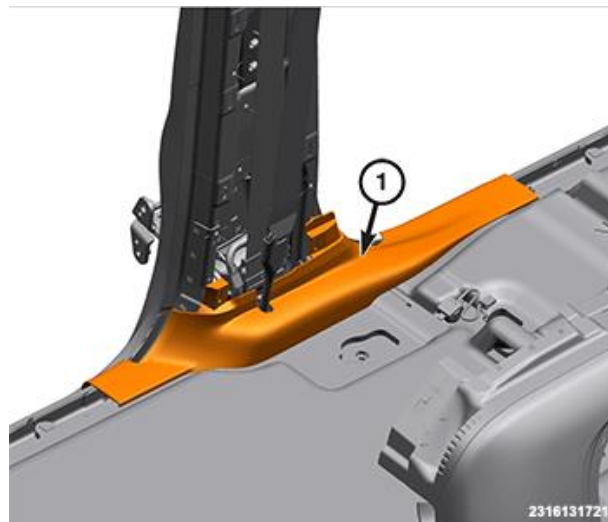


Figure 6 – B-Pillar Lower Trim Panel

B. Install

14. Install new B-pillar impact sensor and tighten fastener to 8 N·m (71 in. lbs.) (Figure 7).

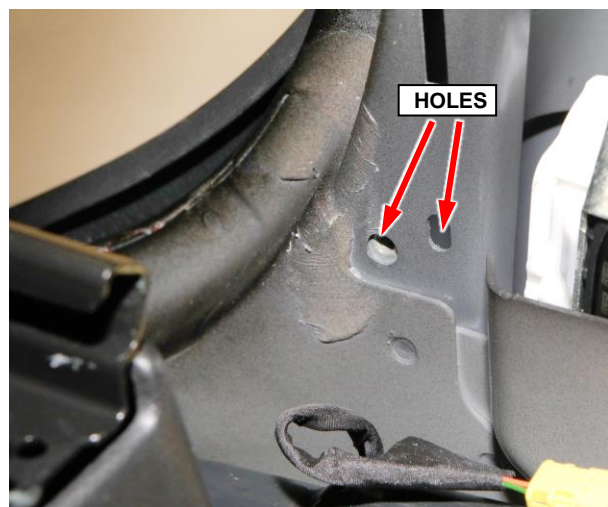


Figure 7 – Sensor Anti-rotation tab and Bolt Holes

15. Connect the body wire harness connector from the B-pillar impact sensor (Figure 8).
16. Align and seat the retaining clips and install the lower B-pillar trim panel (Figure 6).
17. Align and seat the retaining clips and install the B-pillar mid trim panel (Figure 5).
18. Install the front and rear door seals.
19. Align and seat the retaining tabs of the sill trim panel to the retainer clips in the rear door sill and install the trim panel (Figure 4).
20. Push the cowl trim panel forward and install it to the vehicle (Figure 3).
21. Align and seat the retaining tabs of the cowl trim panel to the retainer clips in the door sill (Figure 3).



Figure 8 – Sensor Connector

22. Do not connect the negative battery cable at this time. The Supplemental Restraint System (SRS) Verification Test procedure should be performed following service of any SRS component.

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, airbags, airbag curtains, knee blocker, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect the Intelligent Battery Sensor (IBS)/negative battery cable assembly from the negative battery post, 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 take the proper precautions could result in accidental airbag deployment.

NOTE: The following procedure should be performed using a diagnostic scan tool to verify proper Supplemental Restraint System (SRS) operation following the service or replacement of any SRS component. Refer to the appropriate diagnostic procedures.

23. During the following test, the negative cable remains disconnected and isolated from the battery, as it was during the Supplemental Restraint System (SRS) component removal and installation procedures.
24. Be certain that the diagnostic scan tool contains the latest version of the proper diagnostic software. Connect the diagnostic scan tool to the 16-way Data Link Connector (DLC). The DLC is located on the driver side lower edge of the instrument panel, near the steering column opening cover and outboard of the steering column.
25. Check to be certain that there are no occupants in the vehicle, then connect the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), connect the IBS connector.

26. If the vehicle is equipped with Keyless Go, follow the warning below:

WARNING: After disconnecting the 12-Volt battery wait two minutes before proceeding. Remove the ORC fuses, connect the 12-Volt battery, wait two minutes before proceeding. Cycle the ignition to the on position, then reconnect the orc fuses. Failure to follow these instructions may result in possible serious or fatal injury.

NOTE: The ORC fuse is in the Interior PDC under the driver side instrument panel, fuse F28.

27. For vehicles with a standard ignition follow the warning below:

WARNING: Turn the ignition on, then reconnect the 12-Volt battery. Failure to follow these instructions may result in possible serious or fatal injury.

28. Exit the vehicle with the diagnostic scan tool.
29. Using the diagnostic scan tool, read and record the active (current) Diagnostic Trouble Code (DTC) data.
30. Next, use the diagnostic scan tool to read and record any stored (historical) DTC data.
31. If any DTC is found in Step **29** or Step **30**, refer to the appropriate diagnostic information.
32. Use the diagnostic scan tool to erase the stored DTC data. If any problems remain, the stored DTC data will not erase. Refer to the appropriate diagnostic information to diagnose any stored DTC that will not erase. If the stored DTC information is successfully erased, go to Step **33**.
33. Turn the ignition switch OFF for about 15 seconds, and then back to ON. Observe the airbag indicator in the instrument cluster. It should light from four to six seconds, and then go out. This indicates that the SRS is functioning normally and that the repairs are complete. If the airbag indicator fails to light, or lights and stays ON, there is still an active SRS fault or malfunction. Refer to the appropriate diagnostic information to diagnose the problem.
34. Install the negative battery cable eyelet to the IBS stud and secure using the nut. Tighten the nut to 7 N·m (62 in. lbs.).

NOTE: Overtightening of the nut connecting the negative cable to the IBS will cause damage to the IBS or break the stud for the nut.

35. Connect the IBS wire harness connector if the negative battery cable clamp was removed.