

January 22, 2025

Version 6

Safety Recall: 2020–22 RDX Seat Weight Sensor

Supersedes 24-015, dated November 22, 2024, to revise the information highlighted in yellow.

APPLIES TO

Year	Model	Trim Level	VIN Range
2020–22	RDX	ALL	Check the iN VIN status for eligibility.

REVISION SUMMARY

Under PARTS INFORMATION, information was removed.

BACKGROUND

Affected vehicles may be equipped with seat weight sensors that are not built to proper specifications. Improperly built sensors could lead to cracking and/or a short circuit of the sensor, resulting in the illumination of the SRS warning light and the passenger airbag indicator remaining OFF. In certain collisions, these seat weight sensors may cause improper deployment of the front passenger airbags, increasing the risk of injury.

CLIENT NOTIFICATION

Owners of the affected vehicles will be sent a notification of this campaign. Do an iN VIN status inquiry to make sure the vehicle is shown as eligible. Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the client and/or anyone else harmed as a result of such failure. To verify if a vehicle in inventory is affected, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the seat weight sensors.

CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

WARRANTY CLAIM INFORMATION

For repairs on or after October 11, 2024, you must use the warranty claim information with template ID ending in D.
For inspection or repairs before October 11, 2024, go to page 3.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7491E4	Replace seat weight sensors- power seat (includes seat calibration & DTC clear)	0.9 hr	6XW00	PHJ00	B24015 D	81136-TJB-A21

Skill Level: Repair Technician

Seat Weight Sensor Kit Serial Number

Enter the Seat Weight Sensor Kit serial number from the Seat Weight Sensor Kit label into the Replacement Serial Number field of the Parts Information section of the warranty claim.

NOTE:

- The Seat Weight Sensor Kit label should be affixed to the repair order by the technician.
- The claim may reject if a valid serial number is not included.

Parts Information

Failed Part No. •

Failed Part Description •

Replacement Serial No.

Item	Replacement Part No. •	Quantity •	Unit Price	Unit Total	Description	
1						Delete
2						Delete
3						Delete
4						Delete
5						Delete

More >

Materials Information

For repairs **before October 11, 2024**, you must use the warranty claim information with template IDs ending in A, B, or C.

NOTE: If the INSPECTION PROCEDURE determined this Service Bulletin does not apply, use template C to submit a warranty claim for the inspection.

Base, Tech, A-Spec

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
8611L0	Replace power seat slide (includes inspect and DTC check)	2.2 hr	6XW00	PHJ00	B24015A	81136-TJB-A21

Advance, PMC

8611L0	Advance, PMC Replace power seat slide (includes inspect and DTC check)	2.2 hr	6XW00	PHJ00	B24015B	81136-TJB-A61
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Inspection Only

7495A1	For stored DTCs other than DTC U3000-49 and/or inspection determines this Service Bulletin does not apply.	0.3 hr	6XZ00	KIT00	B24015C	81136-T20-A61
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PARTS INFORMATION

Refer to the Parts Information Bulletin 24-0012, *Multi-Model Seat-Weight Sensor Safety Recall Parts Availability*, for details regarding parts availability and ordering.

Part Name	Part Number	Quantity
Seat Weight Sensor Kit	04945-TJB-A00	1

TOOL INFORMATION

NOTE: Please contact the Special Tools Hotline at 1-833-949-4672, or by email at special_tools@ahm.honda.com.

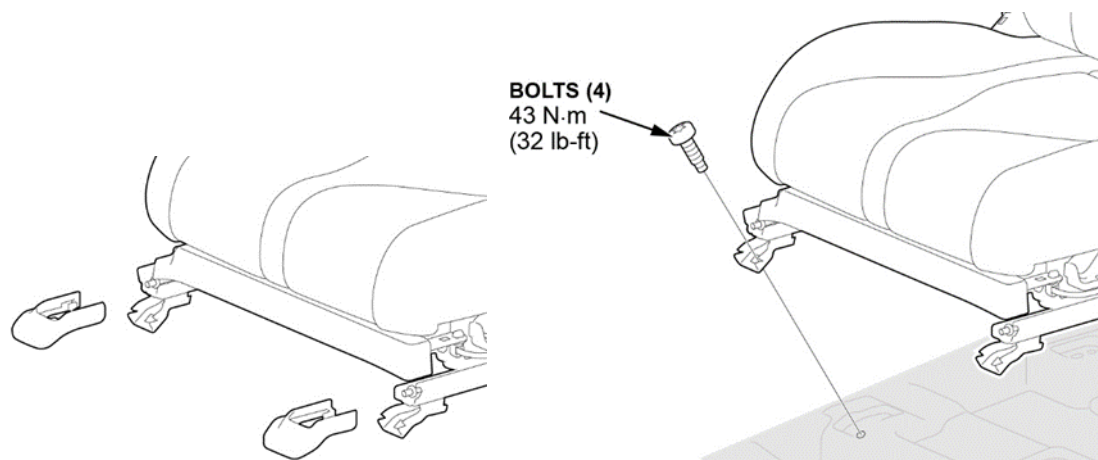
Tool Name	Tool Number	Quantity
SWS Fixture Guide D	07AAG-TVAA400	1
Snap-On Torque Wrench	07AAA-TVAA400	1
Box End Head (16mm)	07AAA-TG7A300	1
Box End Head (14MM)	07AAA-TVAA200	1

REPAIR PROCEDURE

1. Remove the label from the new seat weight sensor box and affix it to the repair order.

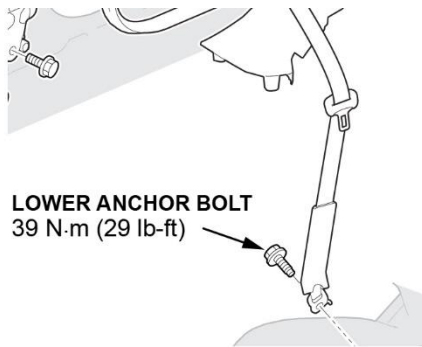
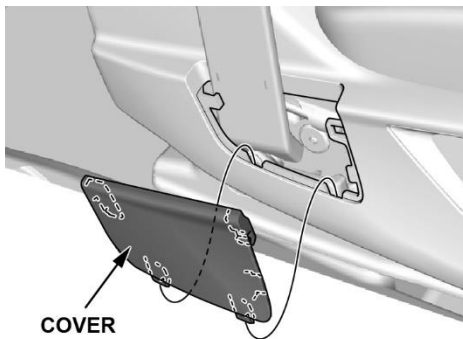
[illegible]

2. Remove passenger seat foot covers and seat mounting bolts.

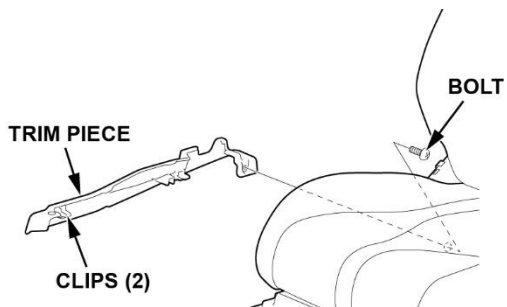


3. Move the front passenger's seat to the most forward position and raise the seat bottom to the highest position, then remove the rear mounting bolts.
4. Disconnect the negative terminal of the 12-volt battery.
 - *12 Volt Battery Terminal Disconnection and Reconnection*, ([Click Here](#))

5. Remove the right front seat belt bolt cover and front seat belt anchor bolt.

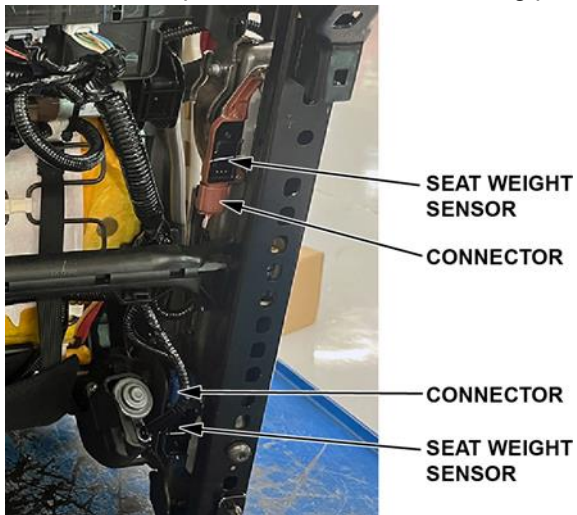


6. Disconnect the under-seat connectors.
7. Remove the seat from the vehicle.
8. Remove the right-side lower trim piece.



9. Tilt the seat back and disconnect the 2 seat weight sensor connectors from the seat harness.

NOTE: Take a picture of the harness routing prior to removal for future reference.



10. Disconnect the seat motor connector.



SEAT MOTOR
CONNECTOR

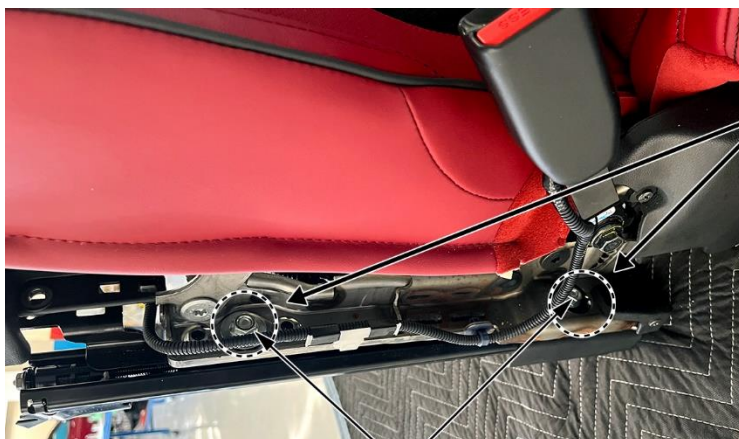
11. Disconnect the wire harness clips from the seat rail.



CLIPS

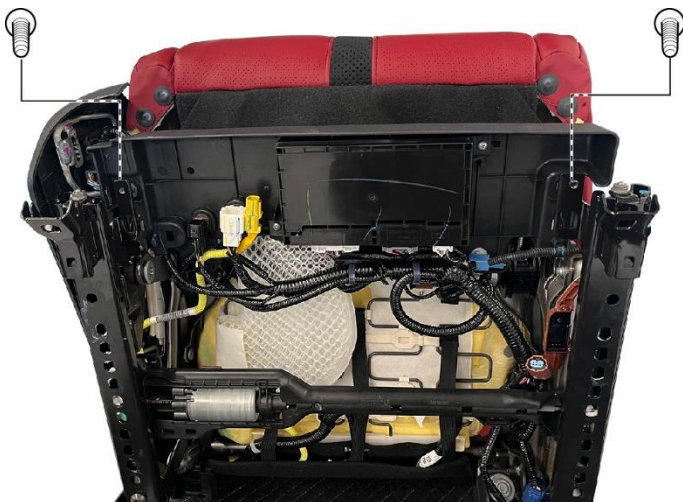


12. Remove the two flange nuts holding the left side seat frame.



NUTS
55 N·m (40 lb-ft)

13. Unbolt the cover (2 screws) and push the cover toward the seat cushion to allow access to the right front seat rail mounting bolt.



14. Remove the two bolts on the right side holding the frame.

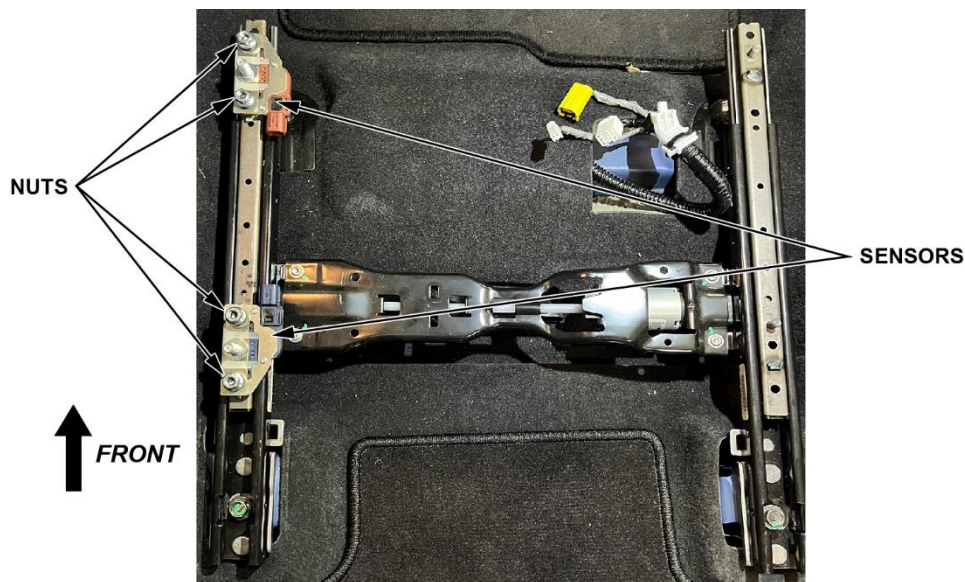


BOLTS
25 N·m (18 lb-ft)

15. Remove the seat rail from the seat frame.



16. Mount the seat rail in the vehicle and remove the 2 seat weight sensors, then discard the nuts and sensors.



17. Loosely install the new sensors and new nuts in the orientation shown.

SENSOR POSITION 1
LEFT FRONT

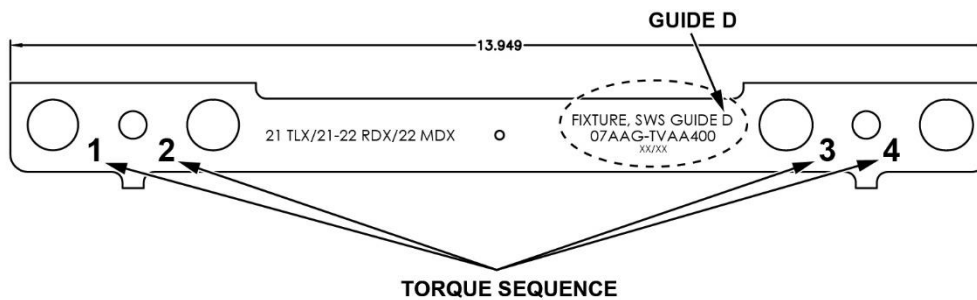


SENSOR POSITION 2
LEFT REAR



18. Place the **SWS Fixture Guide D** onto the new seat weight sensors with the tabs located to the inside of the seat track. With the guide properly seated on the new sensors, **torque the 8 mm nuts to 35 N·m (26 lb-ft) in the order shown on the SWS fixture guide.**

NOTE: Use the socket provided with the guide.



8mm NUTS
35 N·m
(26 lb-ft)

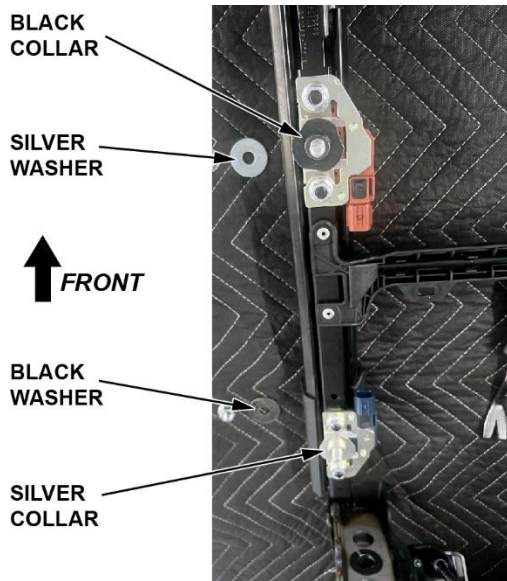


SWS FIXTURE GUIDE

TABS
Tabs located
to the inside.

19. Remove the seat rail from the vehicle. Reinstall the seat rail to the seat frame. Loosely install the new nuts and bolts and reinstall all parts.

NOTE: The bushings and collars can be identified by their color. Make sure to install the bushings and collars in the proper location.



20. Using new nuts and washers, torque the left side seat frame flange nuts to **55 N·m (40 lb-ft)**. Torque the right-side bolts to **25 N·m (18 lb-ft)**.

NOTE: Use the Snap-On Torque Wrench (P/N 07AAA-TVAA400) and the box-end head to tighten the seat rail nuts.



NUTS
55 N·m (40 lb-ft)



BOLTS
25 N·m (18 lb-ft)

21. Install the seat and reconnect all connectors. Hand tighten the bolts first, then torque them in the sequence shown to **43 N·m (32 lb-ft)**.



22. Connect the negative terminal to the 12-volt battery.
 - *Battery Terminal Disconnection and Reconnection*, ([Click Here](#))
23. Do the *Front Passenger's Weight Sensor Initialization*, ([Click Here](#))
24. Do the front weight sensor operation check, ([Click Here](#))
25. Confirm the SRS Operation: Turn the vehicle to the ON mode, and check that the SRS indicator comes on for about 6 seconds and then goes off.
26. Do the steering neutral position learn procedure, ([Click Here](#))