

March 26, 2024

Version 2

## Safety Recall: 2020 MDX Seat Weight Sensor (DTC U3000-49)

. Supersedes 24-014, dated March 8, 2024, to revise the information.

### AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2020	MDX	ALL	Check the iN VIN status for eligibility.

### REVISION SUMMARY

Under REPAIR PROCEDURE, step 7 was updated.

### 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 affected vehicles will be sent a notification of this safety recall.

Do an iN VIN status inquiry to verify eligibility.

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 or anyone else harmed as a result of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

### CORRECTIVE ACTION

- If the SRS indicator light is not illuminated, refer to *Campaign Notice 24-023*.
- If the SRS indicator light is illuminated, follow the inspection procedure outlined in this bulletin.

### PARTS INFORMATION

Due to a limited supply of controlled parts, they require prior approval before shipping. This will be determined by the INSPECTION PROCEDURE, follow the steps provided by the QR code.

**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.

## TOOL INFORMATION

Tool Name	Tool Number	Quantity
Belt Buckle Tool	07AAF-SNAA150	1

### NOTE:

- These tools are currently only available through the loaner program with the Tool and Equipment Program.

Honda Torque Wrench Kit (Kit contains): 1 Torque Wrench Body 1 Metric Box End Head (12 mm) 1 Metric Box End Head (14 mm) 1 Metric Box End Head (16 mm)	AHMTLHONTWKIT	1
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- For tool loan requests, please call Customer Service at 1-888-424-6857 (1-888-4AHMTLS) Mon-Fri 7:30 am – 7:00 pm CST.
- Tools will be made available and auto-shipped to all dealers at a later date.

## WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7491E3	Replace power seat rail assembly (includes inspect and DTC clear)	1.7HR	6XW00	JHC00	B24014A	81205-TZ5-A03

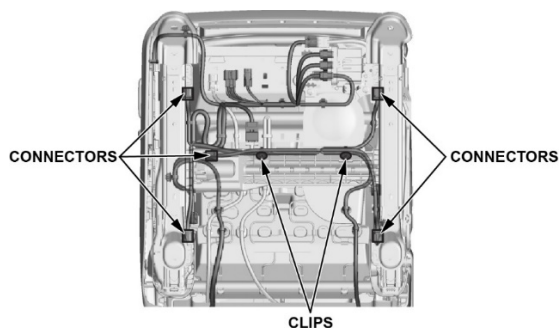
Skill Level: Repair Technician

## INSPECTION PROCEDURE

- Check for the SRS airbag light on the dash.
- If the airbag light is on, connect the i-HDS to the vehicle and do an **All DTC** Check.
- If DTC U3000-49 is present, continue to step 4.  
If DTCs other than U3000-49 are found, this service bulletin does not apply. Continue with normal troubleshooting.
- From the front passenger seat area, do the following:  
NOTE: *Front Seat Removal and Installation* [Click Here](#)
  - Raise the front passenger's seat all the way up.
  - Remove both Front Passenger's Seat Track End Covers
  - Remove the Front Passenger's Seat Mounting Bolts
- Disconnect the negative terminal of the 12-volt battery.

NOTE: *Battery Terminal Disconnection and Reconnection* [Click Here](#)

6. Tilt the seat back, then disconnect the seat weight sensor connectors from the seat harness.



7. Connect the negative terminal of the 12-volt battery.
8. With the seat weight sensors disconnected, clear the DTC and perform an **All DTC** check again.

NOTE: Other new DTCs may be stored due to the seat weight sensors being unplugged. Disregard these new DTCs at this time.

- If DTC U3000-49 (Internal Failure of the SRS Unit) does not return, scan the QR code with a capable device and complete the form.

NOTE:

- This form must be filled out before parts can be ordered.
- If you can't scan the QR code, ([Click HERE](#)).



- If DTC U3000-49 does return, this service bulletin does not apply. Reconnect all SWS connectors and continue with normal trouble shooting.

## REPAIR PROCEDURE

NOTE: Make sure you have all tools listed in the TOOL INFORMATION section prior to starting the repair.

1. Disconnect the negative terminal of the 12-volt battery.
2. Remove the following from the front passenger seat belt:

NOTE: *Front Seat Belt Removal and Installation* [Click Here](#).

1. Front Seat Belt Lower Anchor Connector (Passenger's Side)
3. Remove the remaining front passenger seat harness connectors.

NOTE: *Front Seat Removal and Installation* [Click Here](#)

4. Remove the front passenger's seat from the vehicle and set it on a suitable and clean work surface.
5. Remove the front passenger's seat recline covers:

NOTE: *Front Seat Recline Cover Removal and Installation* [Click Here](#)

1. Front Seat Recline Cover
2. Reclining Inner Cover

6. Remove the following from the seat frame area:

NOTE: *Front Seat Frame Removal and Installation* [Click Here](#)

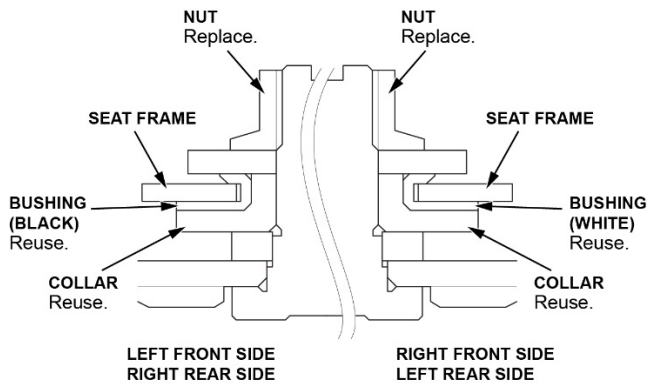
1. Pretensioner Outer Cover
2. Front Seat Frame

7. Remove the front passenger's seat rail.

NOTE: *Front Seat Rail Removal and Installation* [Click Here](#)

1. Make sure to reinstall the bushings and collars as shown.

**NOTE: The nuts are must replace parts and the nuts must be torqued to the correct specifications.**



8. Install the new seat rail in the reverse order.
9. Install all remaining parts in the reverse order of removal.
10. *Do the Front Passenger's Weight Sensor Initialize* [Click Here](#)
11. *Do the Front Passenger's Weight Sensor Operation Check* [Click Here](#)