

April 04, 2025

Version 8

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

Supersedes 24-017, dated January 22, 2025, to revise the information.

### APPLIES TO

| Year | Model | Trim Level | VIN Range                                |
|------|-------|------------|------------------------------------------|
| 2020 | TLX   | ALL        | Check the iN VIN status for eligibility. |

### REVISION SUMMARY

This bulletin has been extensively revised; American Honda recommends reviewing this information in its entirety.

### 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 or anyone else harmed because 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 8, 2024, you must use the warranty claim information with Template ID C.

For inspection or repairs before to October 8, 2024, go to page 2.

| Operation Number | Description                                                         | Flat Rate Time | Defect Code | Symptom Code | Template ID | Failed Part Number |
|------------------|---------------------------------------------------------------------|----------------|-------------|--------------|-------------|--------------------|
| 7491E4           | Replace 4-way seat weight sensor - power seat (includes DTC check). | 1.1 hr         | 6XW00       | UHE00        | B24017E     | 81205-TZ3-A12      |
| 7491E4           | Replace 8-way seat weight sensor - power seat (includes DTC check). | 1.1 hr         | 6XW00       | UHE00        | B24017F     | 81205-TZ3-A22      |

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:

- This model has 2 kits, both kit serial numbers **are required** to be entered.
- The Seat Weight Sensor Kit label should be affixed to the repair order by the technician.
- The claim may be rejected if a valid serial number is not included.

Parts Information

Failed Part No.\*

Failed Part Description\*

Replacement Serial No. 

XXXXXXXXXX-XXXXXXXXXX

| Item | Replacement Part No.* | Quantity* | Unit Price | Unit Total | Description |                        |
|------|-----------------------|-----------|------------|------------|-------------|------------------------|
| 1    |                       |           |            |            |             | <a href="#">Delete</a> |
| 2    |                       |           |            |            |             | <a href="#">Delete</a> |
| 3    |                       |           |            |            |             | <a href="#">Delete</a> |
| 4    |                       |           |            |            |             | <a href="#">Delete</a> |
| 5    |                       |           |            |            |             | <a href="#">Delete</a> |

More >

Materials Information

For repairs before to October 8, 2024, you must use the warranty claim information with Template IDs ending in A, B, C, and D.

NOTE: If the INSPECTION PROCEDURE determines this Service Bulletin doesn't apply, use template D to submit a warranty claim for the inspection.

#### 2.4 Base, Tech

| Operation Number | Description                                                           | Flat Rate Time | Defect Code | Symptom Code | Template ID | Failed Part Number |
|------------------|-----------------------------------------------------------------------|----------------|-------------|--------------|-------------|--------------------|
| 7491E3           | Replace power seat rail assembly (includes inspection and DTC check). | 1.5 hr         | 6XW00       | UHE00        | B24017A     | 81205-TZ3-A12      |

#### 2.4 A-Spec; 3.5 Base, Tech, A-Spec

|        |                                                                       |        |       |       |         |               |
|--------|-----------------------------------------------------------------------|--------|-------|-------|---------|---------------|
| 7491E3 | Replace power seat rail assembly (includes inspection and DTC check). | 1.5 hr | 6XW00 | UHE00 | B24017B | 81205-TZ3-A22 |
|--------|-----------------------------------------------------------------------|--------|-------|-------|---------|---------------|

#### 3.5 AWD Base, Tech, Advance

|        |                                                                      |        |       |       |         |               |
|--------|----------------------------------------------------------------------|--------|-------|-------|---------|---------------|
| 7491E3 | Replace power seat rail assembly (includes inspection and DTC check) | 1.5 hr | 6XW00 | UHE00 | B24017C | 81205-TZ7-A22 |
|--------|----------------------------------------------------------------------|--------|-------|-------|---------|---------------|

#### 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 | FIU00 | B24017D | 81136-T20-A61 |
|--------|------------------------------------------------------------------------------------------------------------|--------|-------|-------|---------|---------------|

### 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 (4-Way Power) | 04945-T5R-A00 | 1        |
| Seat Weight Sensor Kit (8-Way Power) | 04945-TZ3-A00 | 1        |

### TOOL INFORMATION

NOTE: Tools will be made available and auto-shipped to all dealers.

| Tool Name             | Tool Number   | Quantity |
|-----------------------|---------------|----------|
| Snap-On Torque Wrench | 07AAA-TVAA400 | 1        |
| Box End Head (16MM)   | 07AAA-TG7A300 | 1        |
| SWS Fixture Guide C   | 07AAG-TVAA300 | 1        |

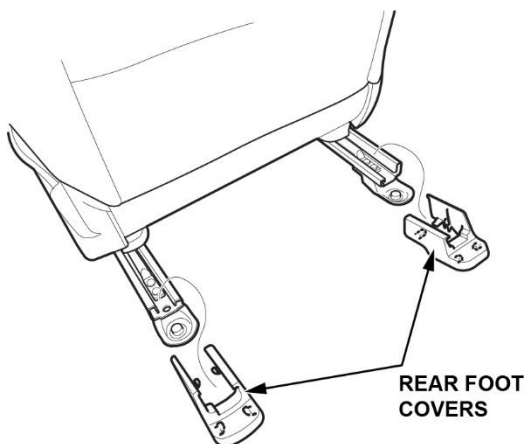
## REPAIR PROCEDURE

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

NOTE: This model has 2 kits, and requires both kits serial numbers.

[illegible]

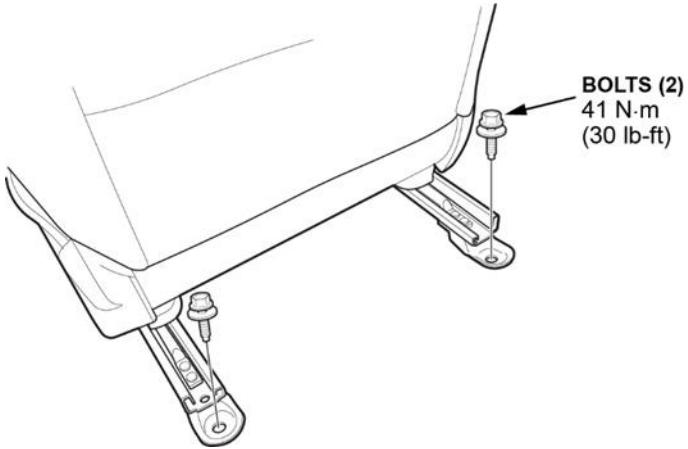
2. Raise the seat tilt to the highest position and slide the seat forward.
3. Remove the passenger's seat rear foot covers.



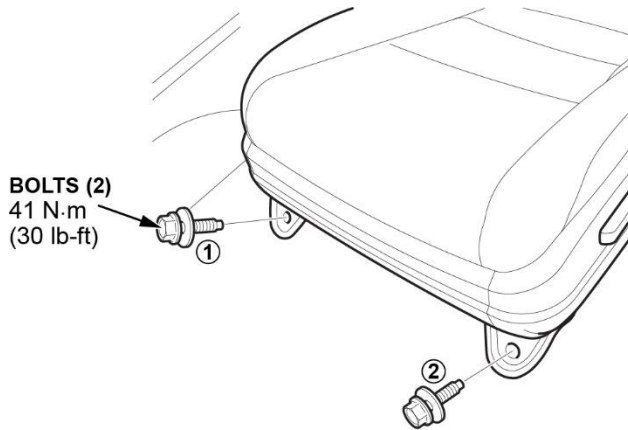
4. Remove the rear bolts of the front passenger's seat.

NOTE:

- **Thigh Support Only:** Slide the thigh support all the way forward.
- **8-way Power Seat Only:** Raise the front seat all the way up.



5. Slide the seat all the way back and remove the front passenger's seat mounting bolts.

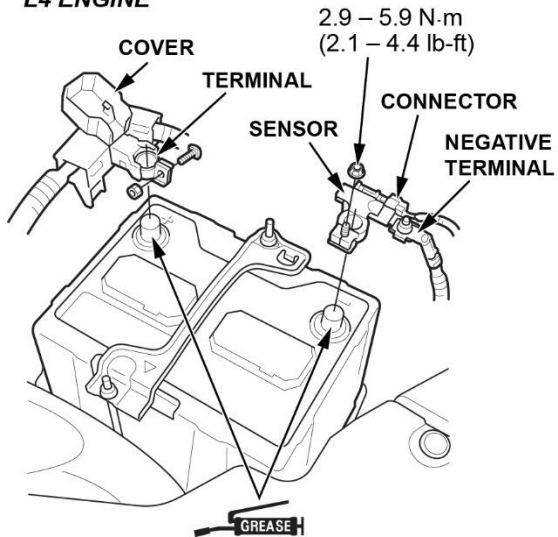


6. Disconnect and isolate the negative cable with the 12-volt battery sensor from the 12-volt battery **2.9—5.9 N·m (2.1—4.4 lb-ft)**.

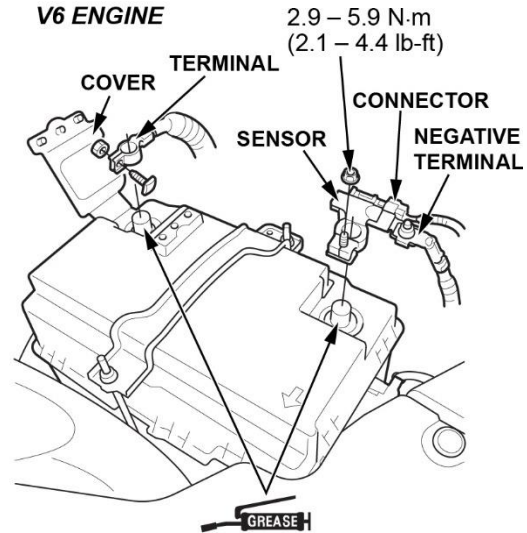
**NOTE:**

- Always disconnect the negative side first.
- To protect the 12-volt battery sensor connector from damage, do not hold it when removing the negative terminal.
- Do not disconnect the 12-volt battery sensor from the negative terminal.
- Wait at least **3 minutes** before starting work.

**L4 ENGINE**

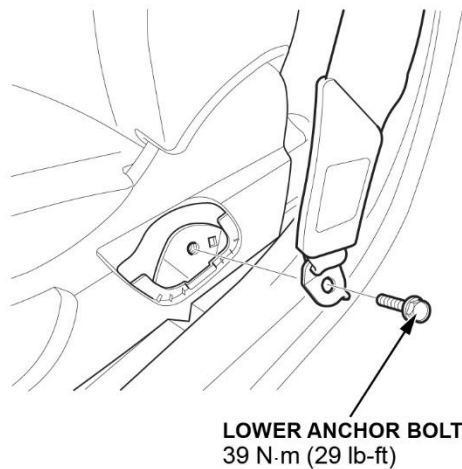
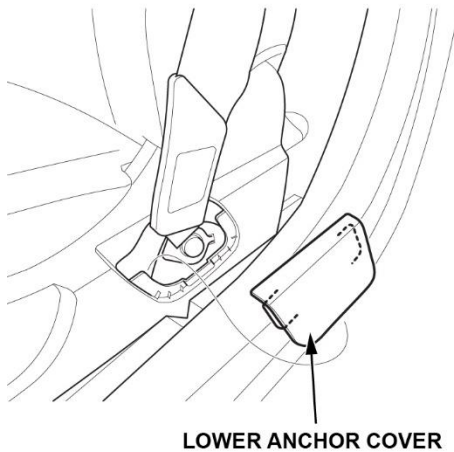


**V6 ENGINE**



7. Remove the front seat belt lower anchor cover and the lower anchor bolt.

**LEFT SIDE SHOWN**

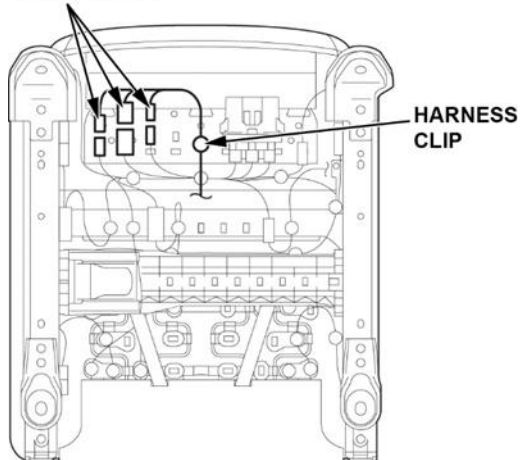


8. Make sure the ignition is in the OFF (LOCK) mode.

9. Lift up the front seat, then remove these items:

- Remove the harness clip.

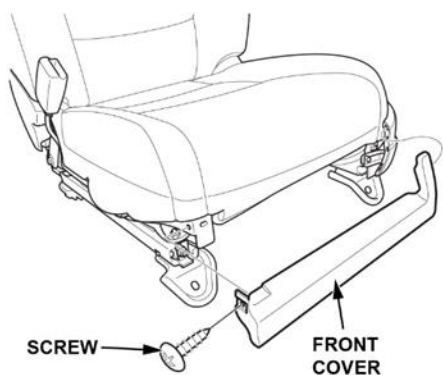
**CONNECTORS**



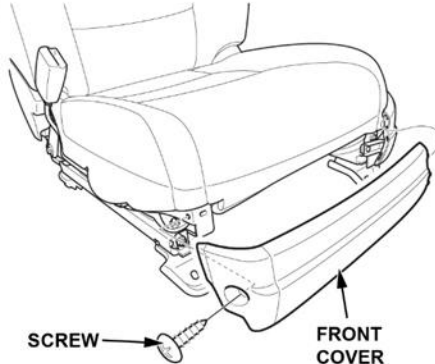
- Disconnect the connector.
- Remove the head restraint.
- With the help of an assistant, carefully remove the front seat through the front door.

10. Remove the passenger's front seat front cover and front seat recline cover.

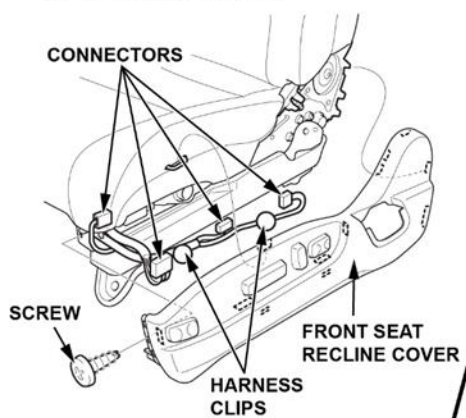
**WITH THIGH SUPPORT**



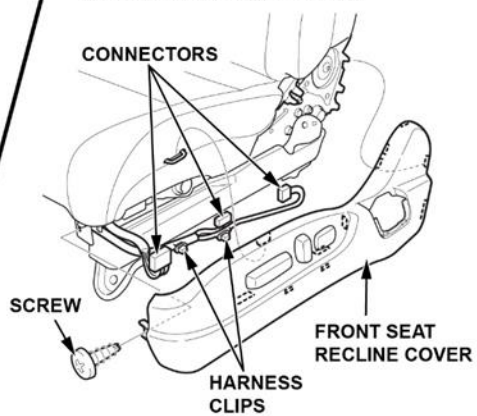
**WITHOUT THIGH SUPPORT**



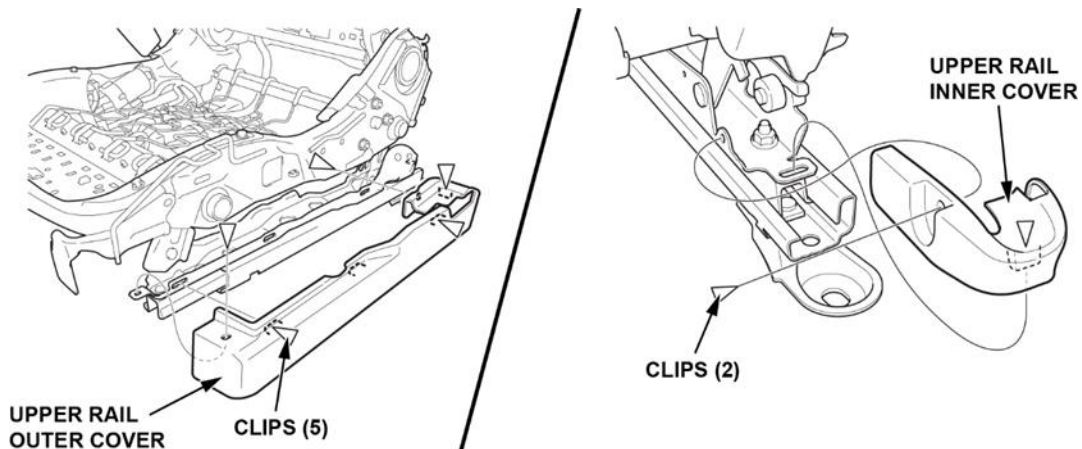
**WITH THIGH SUPPORT**



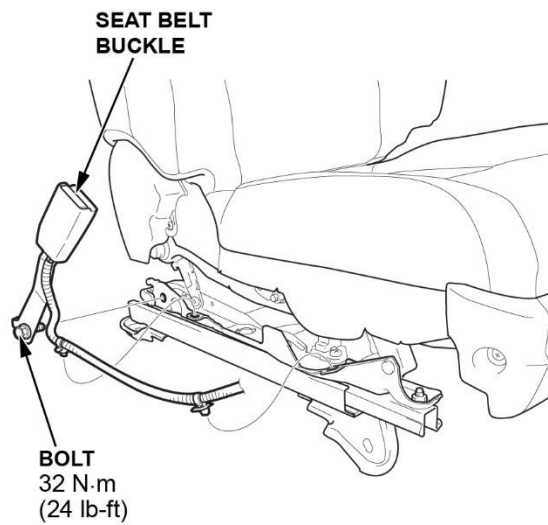
**WITHOUT THIGH SUPPORT**



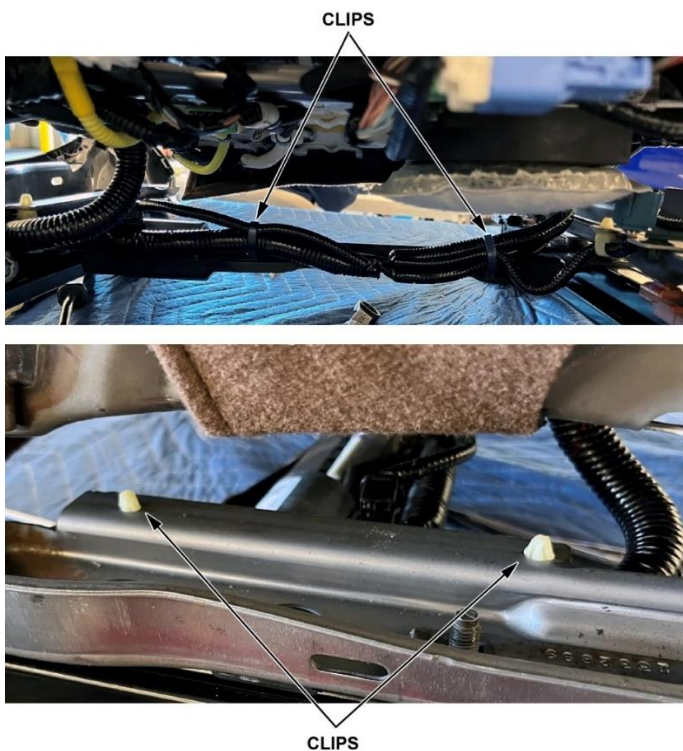
11. Remove the front seat frame upper inner and outer rail covers.



12. Remove the seat belt buckle.



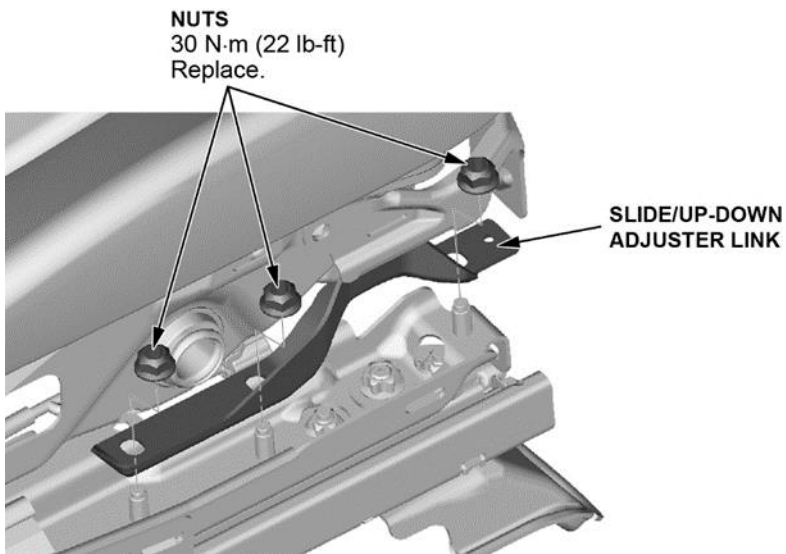
13. Disconnect the seat harness and then remove the 4 clips.



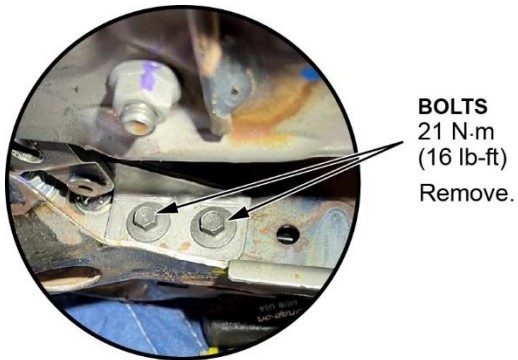
14. **8-way power seat ONLY: If manual seat, skip to next step.**

- Remove the 3 nuts, then remove the front passenger's seat side/up-down adjuster link.

NOTE: Discard the nuts and bolts after removal.



- Remove the two bolts from the seat bracket.



15. Remove the 4 Torx nuts and washers, then remove the front passenger's seat rail as an assembly.

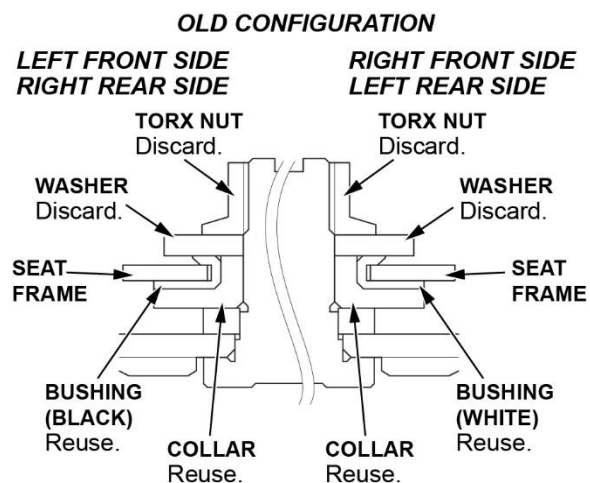
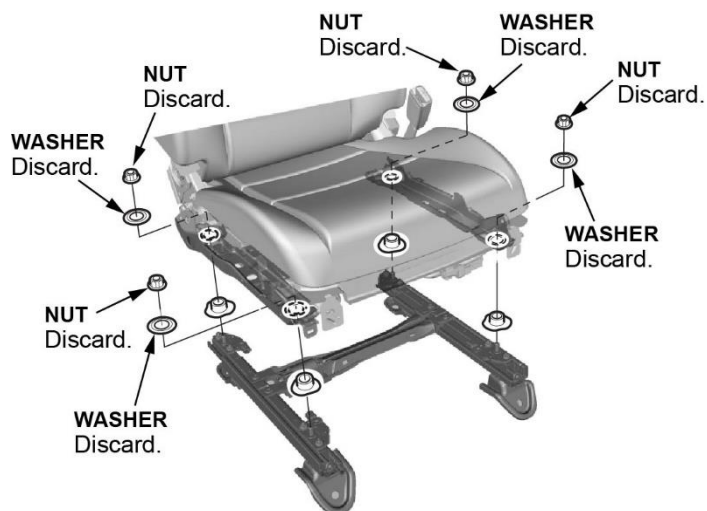
NOTE:

- Retain the 4 collars and bushings located between the seat rail and seat bracket.

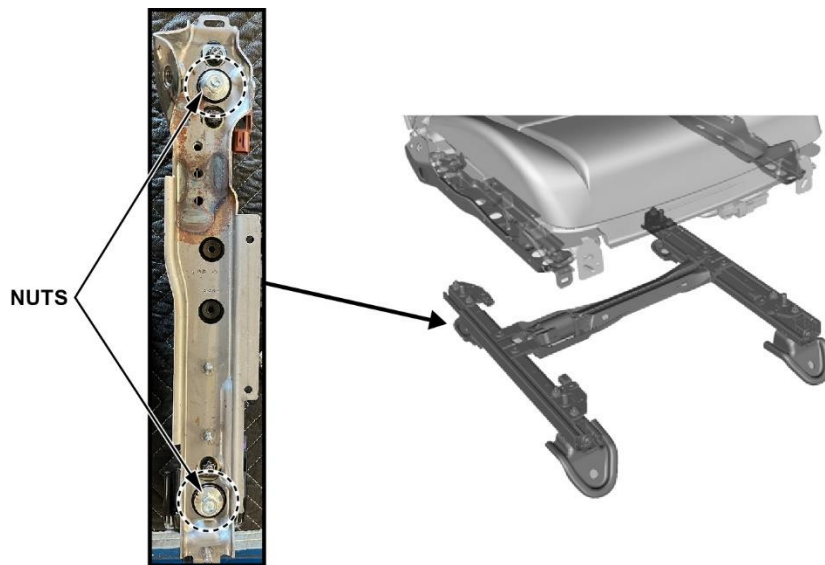
**COLLAR** Reuse.



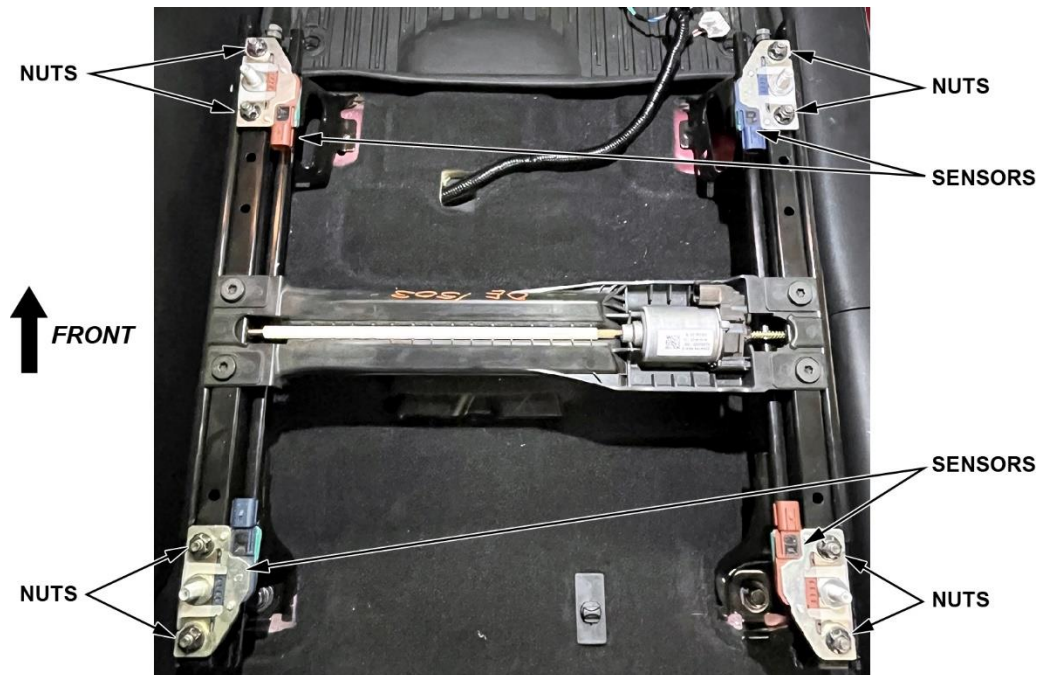
- Note the color and location of the collars and the bushings during disassembly.
- Discard the Torx nuts and washers.



16. Remove the right top bracket from the seat rail.

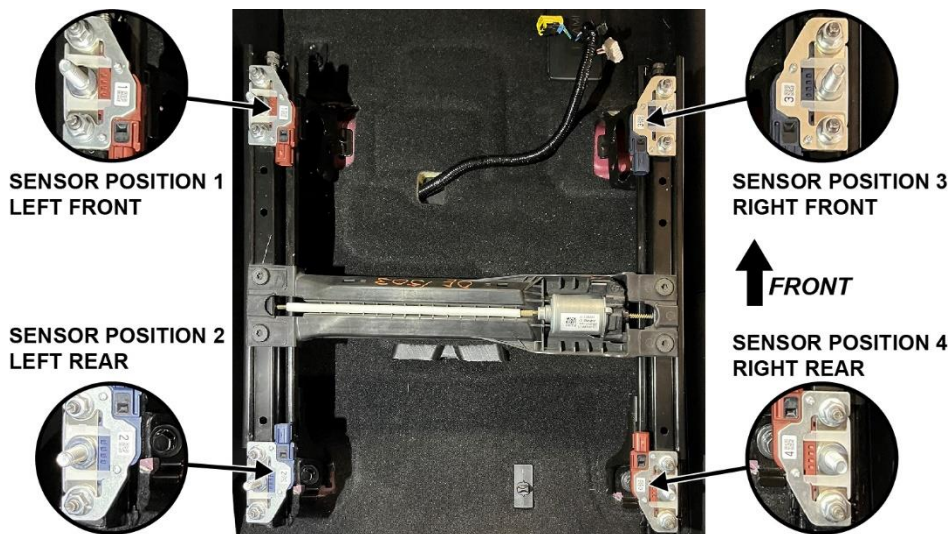


17. Mount the seat rail in the vehicle with the bolts and remove the 4 seat weight sensors, then discard the nuts and sensors.



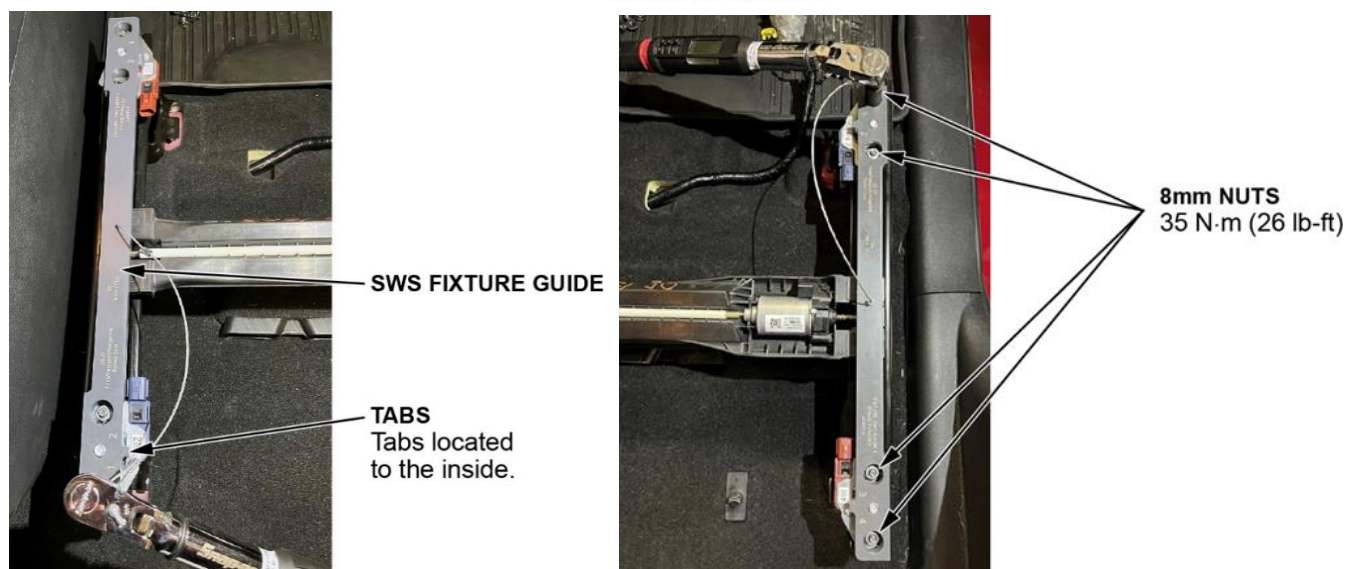
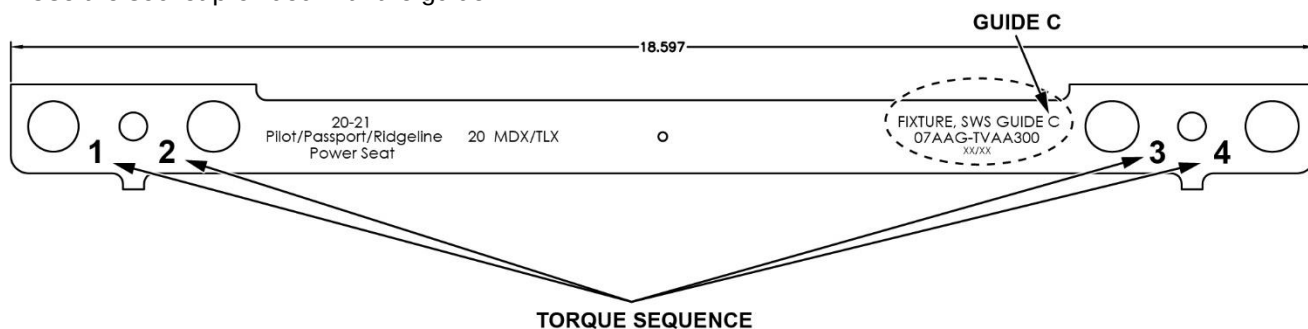
18. Install the new sensors and nuts in the orientation shown.

NOTE: The new sensors have a number for installation in the correct location.



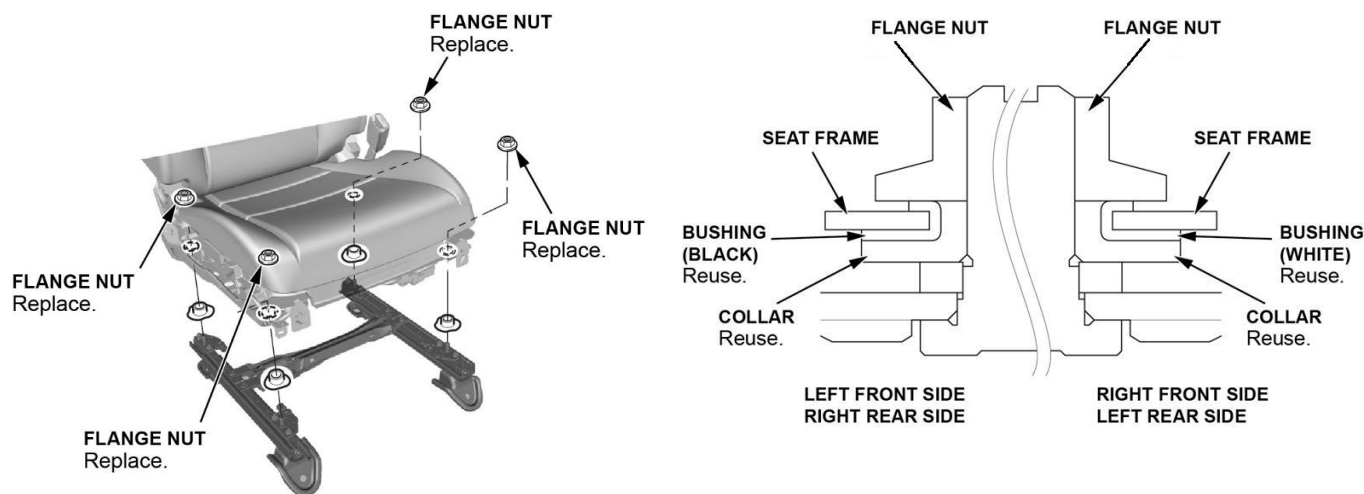
19. Place the **SWS Fixture Guide C** onto the new seat weight sensors with the tabs located on the inside of the seat track. Using the guide properly seated on the new sensors and torque the nuts to **35 N·m (26 lb-ft)** in the order shown on the SWS Fixture Guide.

NOTE: Use the socket provided with the guide.



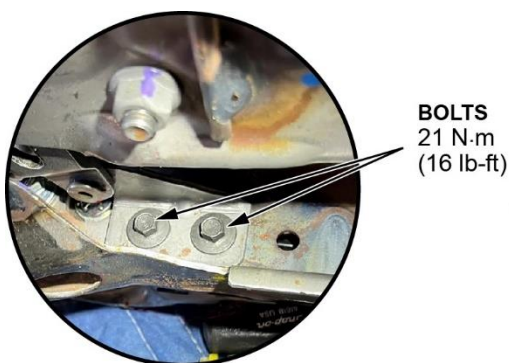
20. Remove the rail from the vehicle. Install the front passenger's seat rail back onto the seat frame, reinstalling the collars and bushings, and loosely install the new flange nuts.

NOTE: The bushings and collars can be identified by their color. Make sure to install the bushings and collars as shown.



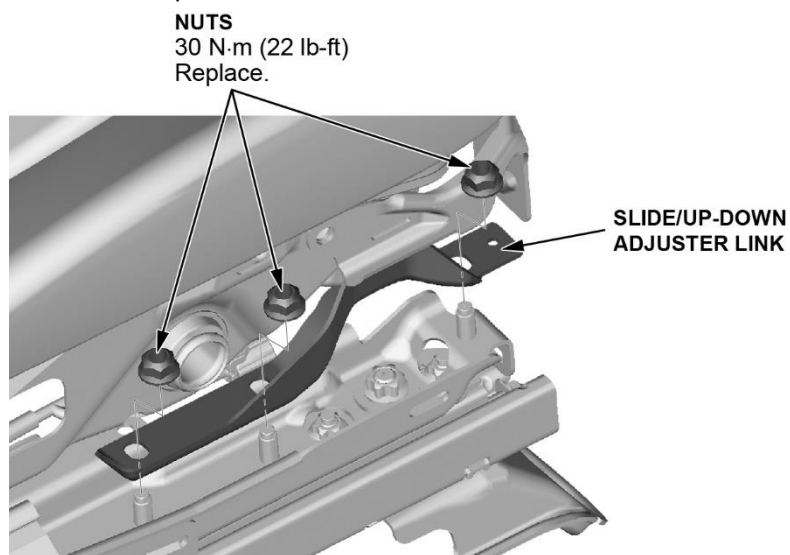
21. **8-way power seat ONLY:** If manual seat, skip to next step.

- Reinstall the two bolts to the seat bracket.



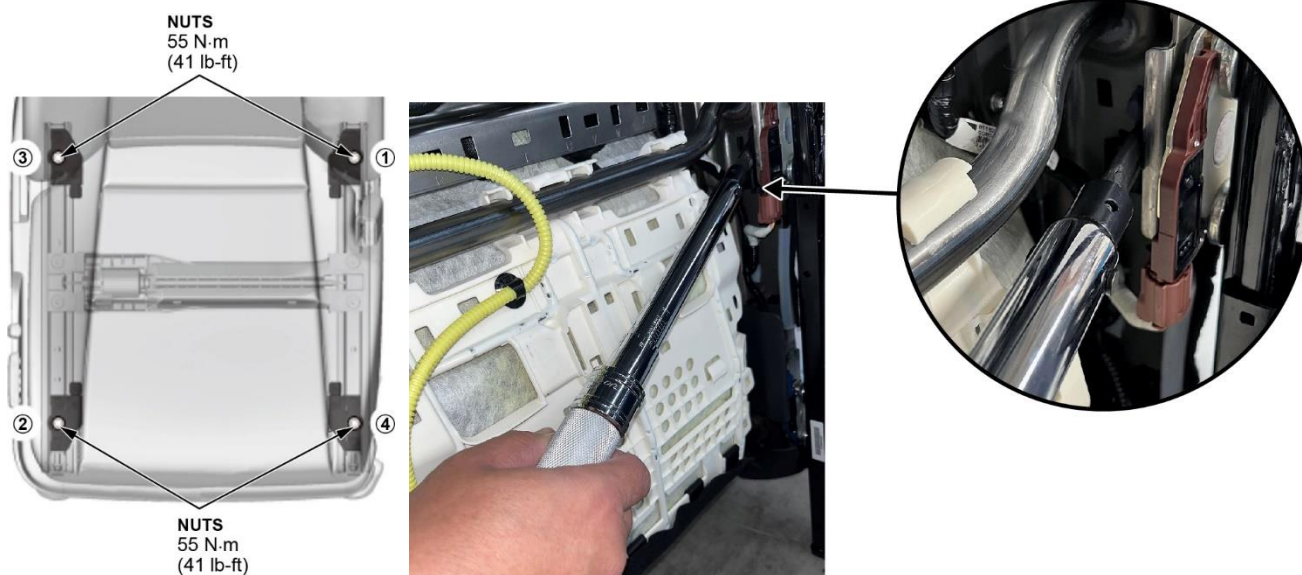
- Install the nuts to the slide/up-down adjuster link and torque to **30 N·m (22 lb-ft)**.

NOTE: The replacement nuts are silver.

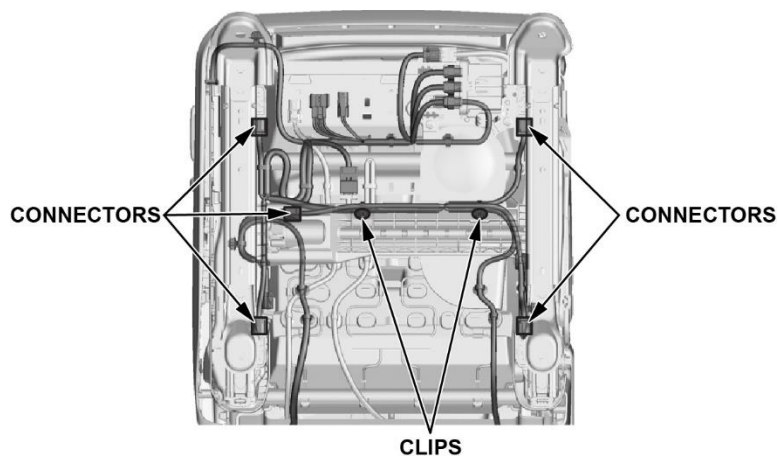


22. Torque the nuts to **55 N·m (41 lb-ft)**.

NOTE: Use the Snap-On Torque Wrench (07AAA-TVAA400) and the 16mm box-end head to tighten the seat rail nuts.

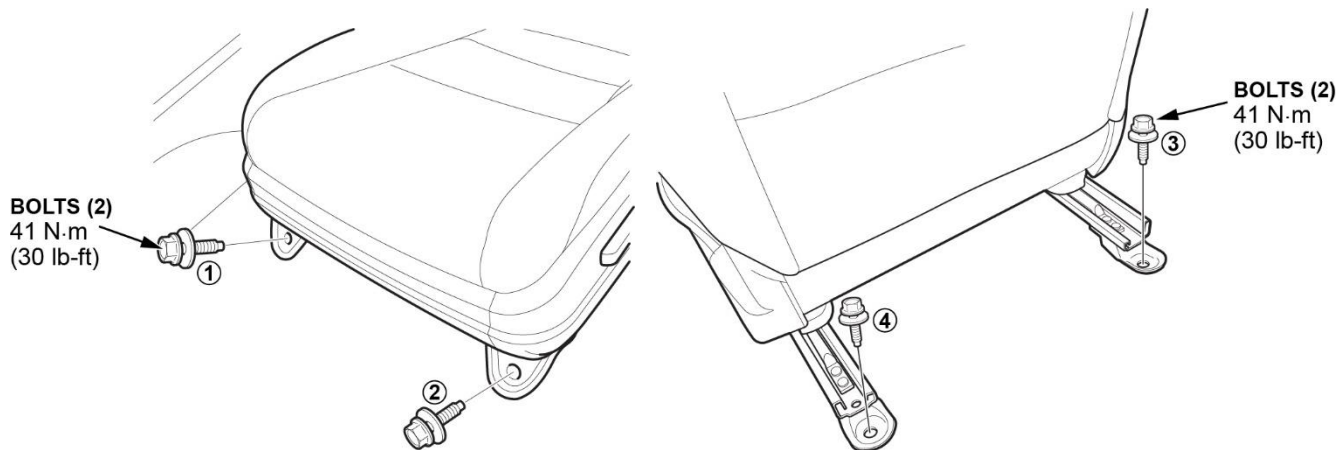


23. Connect the connectors and the clips.

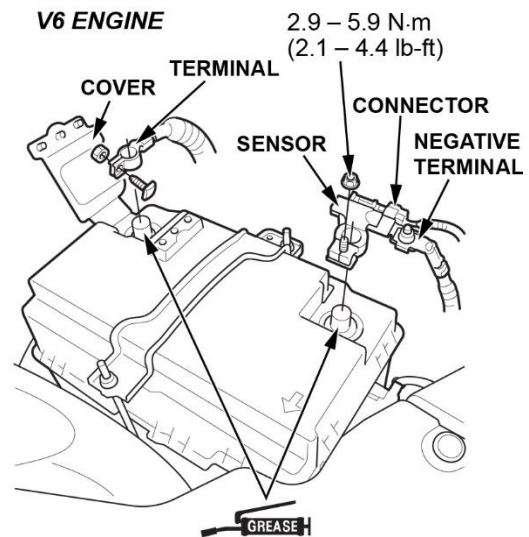
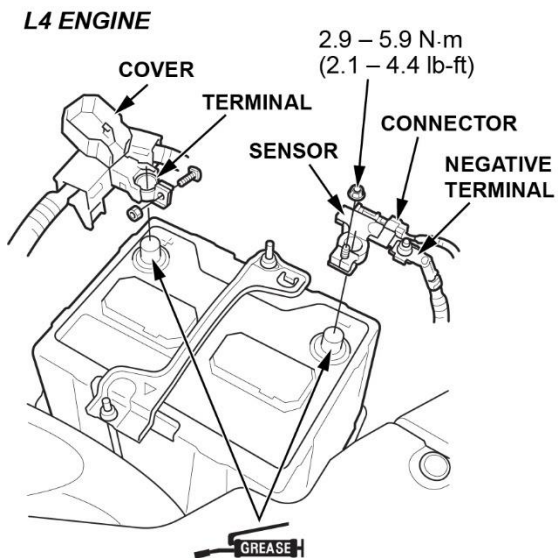


24. Install all remaining parts in the reverse order of removal.

NOTE: When installing the seat, tighten the bolts by hand first, then tighten them to the specified torque in the sequence shown.



25. Connect the negative cable and the 12-volt battery sensor to the 12-volt battery.



NOTE: To protect the 12-volt battery sensor connector from damage, do not hold it when installing the negative terminal.

26. Do the *Front Passenger's Seat Weight Sensor Initialization* ([CLICK HERE](#)).

27. Do the *Front Passenger's Seat Weight Sensor Operation Check* ([CLICK HERE](#)).