

**September 28, 2018**

Version 1

## Safety Recall: 2019 Insight SRS Unit

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2019	Insight	ALL	Check the iN VIN status for eligibility.

### BACKGROUND

An internal component failure in the SRS unit may cause the SRS not to operate properly.

### CUSTOMER NOTIFICATION

Owners of 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 customer 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

Replace the SRS unit.

### PARTS INFORMATION

Part Name	Part Number	Quantity
SRS Unit	77960-TXM-A23	1
TORX Ground Bolt	90137-S84-A01	3

### TOOL INFORMATION

Part Name	Part Number	Quantity
TORX T30 Bit Socket	Commercially Available	1

**CUSTOMER 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 Honda automobile dealer.

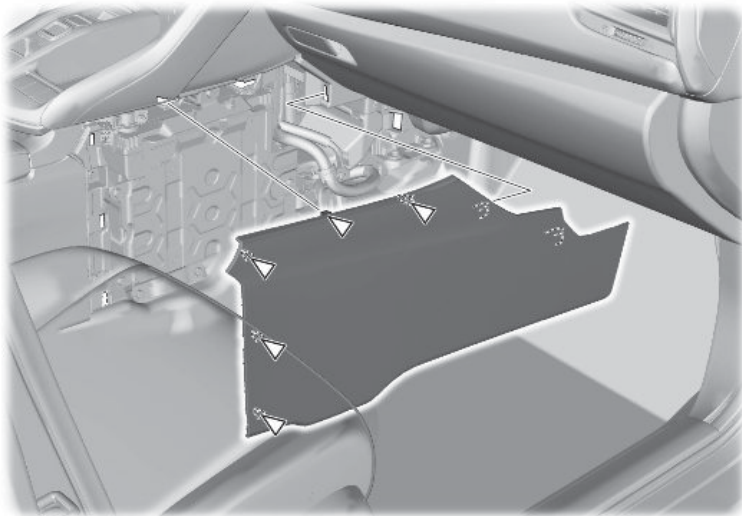
## WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7511C2	Replace the SRS unit (includes SRS software check/update, neutral position memorization, and front passenger seat weight sensor initialization)	1.6 hrs	6PA00	B2R00	A18106A	77960-TXM-A23

Skill Level: Repair Technician

## REPAIR PROCEDURE

1. Remove the passenger's side center console cover.

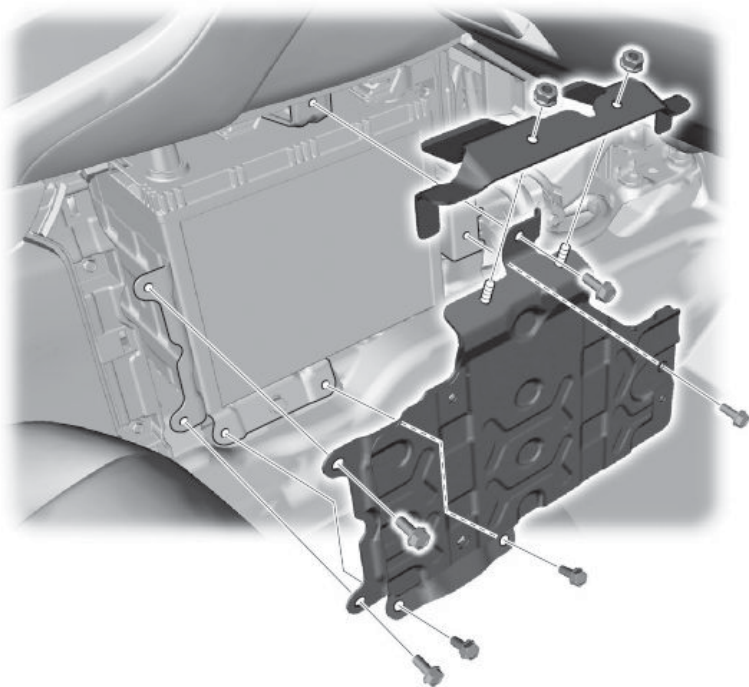


2. Disconnect 12-volt battery negative terminal.

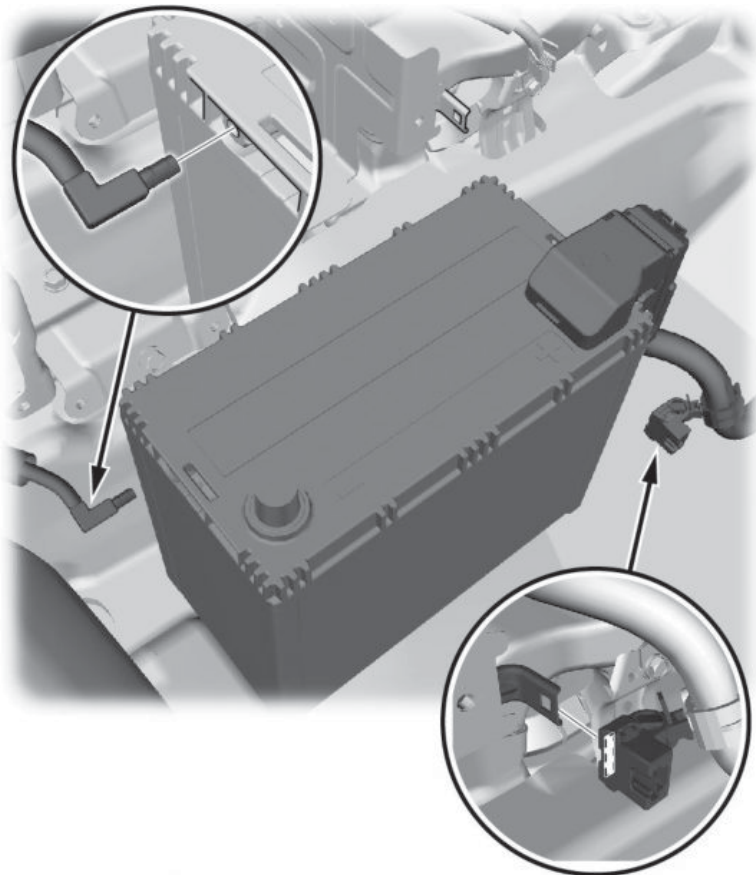
**NOTE**

Make sure to the vehicle is in the OFF (LOCK) mode.

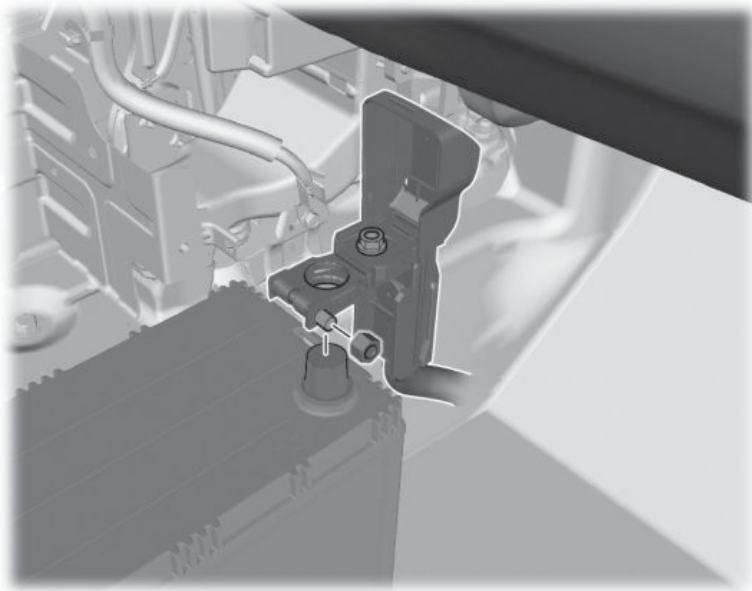
3. Remove the battery set plate.



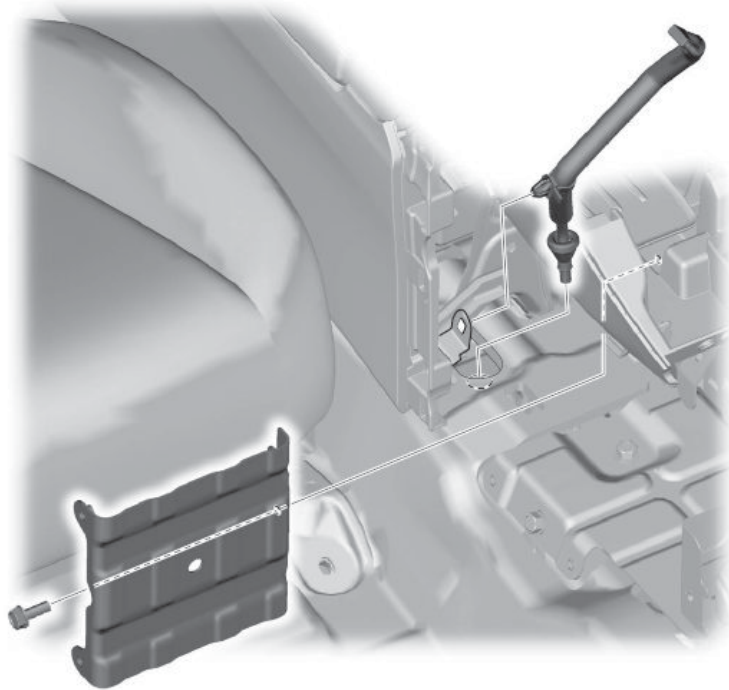
4. Disconnect the 12-volt battery drain tube.



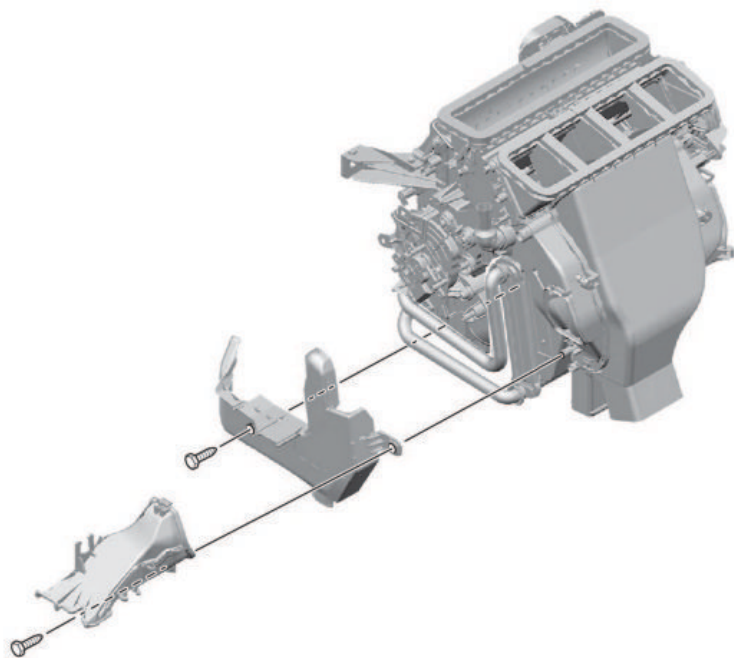
5. Disconnect the 12-volt battery positive terminal.



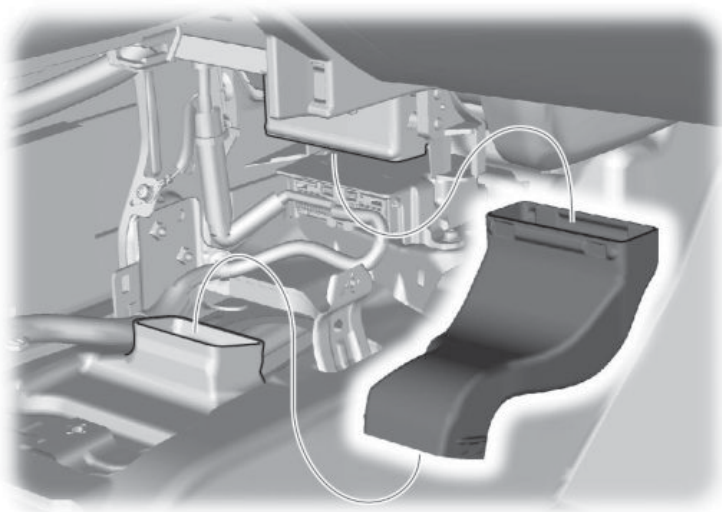
6. Remove battery set plate and drain tube.



7. Remove the heater pipe cover. Refer to the service information.



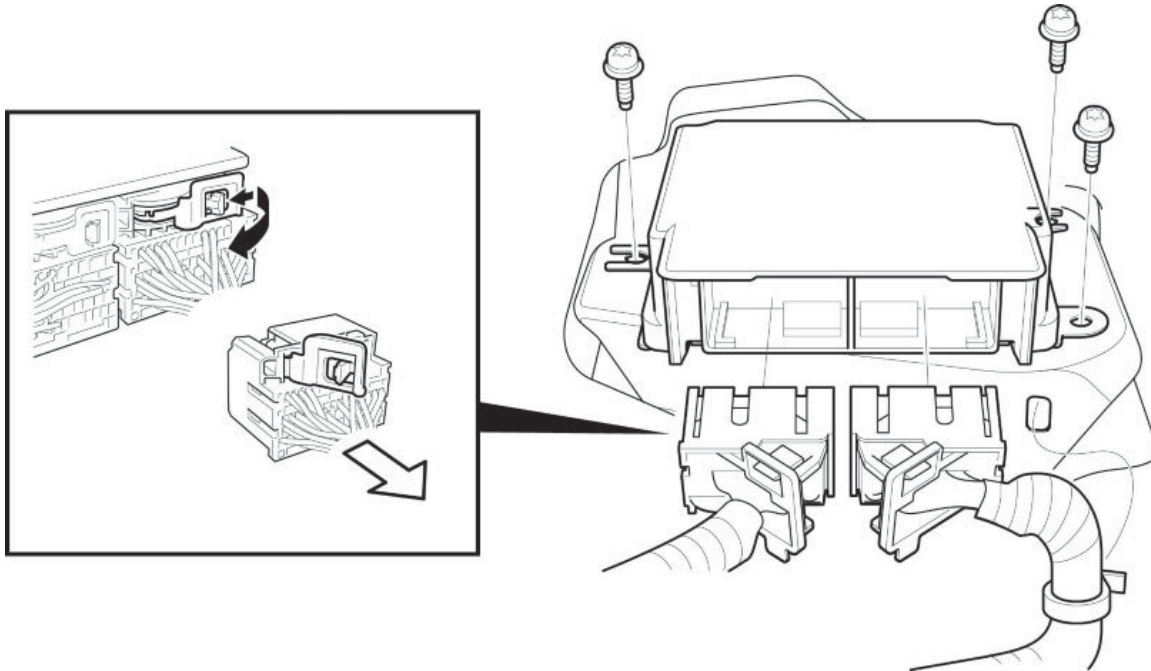
8. Remove the air duct.



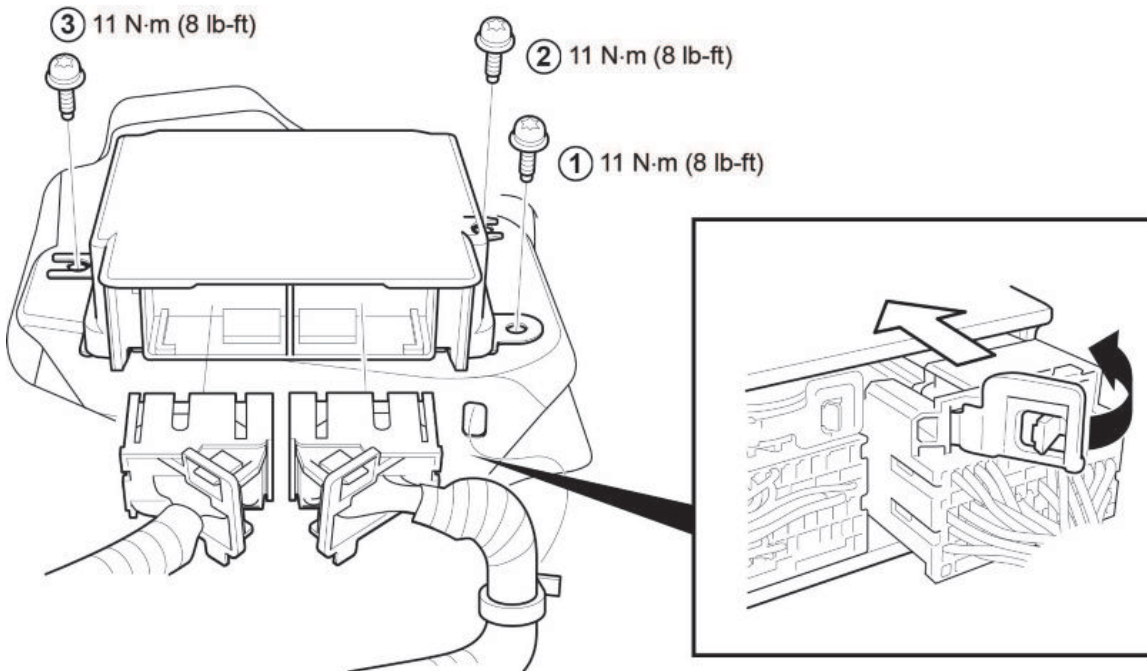
9. Disconnect the SRS unit connectors, remove and discard the three T30 TORX bolts securing the SRS unit.

**NOTE**

The SRS Unit connectors have lever locks. Release the locks before disconnecting the connectors. To release the lock, pull the lever while pushing the lock on the outside of the connector, then pull out the connector.



10. Install the new SRS unit, tighten the new bolts to the specified torque 11 Nm (8 lb-ft) in the numbered sequence shown.



11. Connect the 12-volt battery. Refer to the service information.
12. With the i-HDS, check that the SRS unit has the latest software. If it does not have the latest, update the software in the SRS unit.

**NOTE**

When updating control units, use the most current version of the HDS software and interface device.

13. Do the YAW RATE-ACCELERATION NEUTRAL POSITION MEMORIZATION. Refer to the procedure below.
14. Do the FRONT PASSENGER'S WEIGHT SENSOR INITIALIZATION. Refer to the procedure below.
15. Confirm SRS operation by turning the vehicle to the ON mode, and check that the SRS indicator comes on for about 6 seconds and then goes off.
16. Install all removed parts in the reverse order of removal. Refer to the service information.

## YAW RATE-ACCELERATION NEUTRAL POSITION MEMORIZATION

### NOTES

- The VSA sensor neutral position must be learned whenever you do any of these actions:
    - Update or replace the VSA modulator-control unit.
    - Update or replace the SRS unit.
    - Removing and installing the steering wheel.
    - Disconnecting and reconnecting the steering joint.
    - Wheel alignment.
1. Connect the HDS.
  2. Start the VSA sensor neutral position procedure.

### NOTE

Do not press the brake pedal during this procedure.

3. Set the steering wheel in the straight ahead position.
4. Select ADJUSTMENT from ABS/VSA menu with the HDS, then select ALL SENSOR, and follow the screen prompts.

## FRONT PASSENGER'S WEIGHT SENSOR INITIALIZATION

### NOTES

- When you replace or update the SRS unit, initialize the front passenger's weight sensor with the HDS.
  - When you replace or remove the front passenger's weight sensor, the front passenger's seat frame, or the front passenger's seat rail, initialize the front passenger's weight sensor with the HDS.
1. Connect the HDS to the vehicle.
  2. Front Passenger's Weight Sensor - Initialize

### NOTES

- Before doing this procedure, clear the DTCs.
- Before doing this procedure, make sure the 12 volt battery is fully charged.
- Make sure the front passenger's seat and all components of the seat are correctly installed.
- Make sure nothing is on the front passenger's seat, including aftermarket seat covers or mats.
- Make sure there is nothing in the front passenger's seat-back pocket.
- Make sure the vehicle is on level ground.
- When you perform this procedure, the vehicle temperature must be between 41 - 113 °F (5 - 45°C).
- When the vehicle is exposed to intense cold or intense heat, move the vehicle inside, open the windows and moonroof (if equipped) and perform this procedure after one hour or more.

- Do not expose the front passenger's seat to sudden temperature changes.
  - Do not use the A/C and the heater.
  - Do not touch the front passenger's seat and keep the vehicle stationary during this procedure.
  - Do not attach the front seat belt tongue into the buckle.
  - If possible, do all of the above procedures inside.
3. Apply the parking brake.
  4. Position the front passenger's seat all the way rearward and lowermost (if equipped with the height adjuster), then adjust the seat-back to the forward most position.

#### NOTE

Do not move the seat from this position until the initialization is completed.

5. From the System Selection Menu, select SRS, then Adjustment. In Adjustment, select SWS Initialization. Follow the prompts until the front passenger's weight sensor initialization has been completed.
6. From the System Selection Menu, select SRS, then Data List. In the Data List, select FRONT PASSENGER'S WEIGHT. The weight (T0) of the front passenger's seat is displayed on the Data List. Write this measurement down as "T0" on a piece of paper.
  - If the reading on the HDS (T0) is within  $\pm 0.35$  kg ( $\pm 0.77$  lbs), go to step 5.
  - If the reading on the HDS (T0) is at or not within  $\pm 0.35$  kg ( $\pm 0.77$  lbs), do the following and repeat the procedure from step 1.
    - Confirm that the seat has no interference with surrounding components.
    - Remove the front passenger's weight sensors (If they were not reinstalled), reinstall them, then repeat this procedure from the step 1.
  - If after reinstalling the front passenger's weight sensors, the HDS (T0) is still at or not within  $\pm 0.35$  kg ( $\pm 0.77$  lbs), replace the front passenger's weight sensors, then repeat this procedure from the beginning.
7. Prepare a weight between 10 kg (22 lbs) - 20 kg (44 lbs) then measure and note its actual weight (M) with a weight scale.

#### NOTES

- The accuracy of the weight scale must be within 1 kg (2 lbs).
  - The weight must be uniform in shape and size to allow precise placement on the seat.
8. Precisely place the prepared weight on center of the front passenger's seat.
  9. From the Data List, select FRONT PASSENGER'S WEIGHT. The weight (T) of the front passenger's seat is displayed on the Data List. Write this measurement down as "T" on a piece of paper.
  10. Divide (M) by 2. Write this calculation as "M1" on a piece of paper.
  11. Calculate the variance between (M1) and the HDS (T) with the following formula.
 

Variance = (T) - (M1)

T: Weight measured by the HDS with the weight on the seat.

M1: Half of the weight measured by the weight scale.

    - If the variance is within  $\pm 2.2$  kg ( $\pm 4.9$  lbs), initialization is complete. Go to step 10.
    - If the variance is at or not within  $\pm 2.2$  kg ( $\pm 4.9$  lbs), do the following and repeat the procedure from step 1.
      - Confirm that the seat has no interference with surrounding components.
      - Confirm that the weight was placed precisely in the center of the seat.



- Remove the front passenger's weight sensors, reinstall them, then repeat this procedure from the step 1. If the variance is still at or not within  $\pm 2.2$  kg ( $\pm 4.9$  lbs), replace the front passenger's weight sensors (if they were not replaced), then repeat this procedure from step 1.

12. Turn the vehicle to the OFF (LOCK) mode.

END