

4FRONT[®] Airbag Sensor Installation Instructions

18881 IMMI Way
Westfield, IN 46074 USA
T: 866.765.5835
F: 317.896.2142
imminet.com

⚠ WARNING

Failure to read and follow these instructions may result in the failure of the airbag sensor which may, in turn, result in serious injury or death to the occupant.

⚠ WARNING

HAZARDOUS OPERATION

Ensure power is completely removed from vehicle and tagged out until all components are securely mounted. Personnel should remain clear of components when power is first applied. Failure to do so could cause serious injury or death.

Important Facts

PLEASE READ THIS ENTIRE GUIDE BEFORE STARTING TO INSTALL AIRBAG SENSING UNIT.

- Airbag sensing unit is calibrated for a specific make and model of vehicle.
- Always use and follow the vehicle manufacturer's installation guide. Use this installation guide in addition to the vehicle manufacturer's guide.
- Use only SAE Grade 5 or Grade 8 1/4-20 UNF-2A fasteners. Use self-locking nuts only.

Installation

Unpacking the Airbag Sensing Unit

1. Remove unit from main carton.

Product Identification

1. Locate product identification label. This is located on the top surface of the unit.

See Figure 1.

2. Verify your unit is the proper system for your configuration by checking the F# or customer part number.
3. If you feel you do not have the correct unit for your vehicle, contact IMMI Customer Assistance at 1.866.765.5835.

Pre-drilled holes

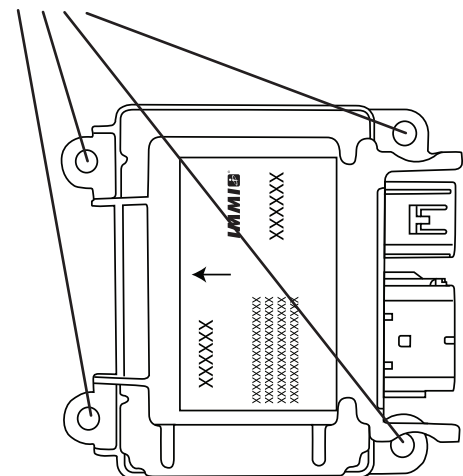


Figure 1



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⚠ WARNING

DISCONNECT THE BATTERY

Make sure the battery disconnect is in the OFF position. Disconnect and isolate the battery negative cable before beginning 4Front airbag installation. Allow system capacitor to discharge to two minutes before beginning installation. Failure to disconnect the battery could result in accidental airbag deployment and could cause serious injury or death.

Mounting Airbag Sensing Unit to Vehicle

1. Use only pre-drilled mounting holes.
2. Metal to metal contact is mandatory on all mounting points.
3. Position the unit in place and align the holes with the mounting holes.
4. **DO NOT MAKE WIRING HARNESS CONNECTION TO UNIT.**
5. Insert bolts through mounting holes. Note the order of bolt installation defined in **Figure 2**.
6. Torque each mounting bolt (4) on sensor to 5 to 6.8 ft.-lbs. (6.8 to 9.2 N-m) **See Figure 1**.
7. **The arrow on sensor should always point front of the vehicle, and the holes should always align. If the sensor does not install while meeting these two criteria, do not use.**
8. Sensor must be mounted at location free from water or fluid intrusion.
9. Airbag sensor unit should be mounted in an area where it is not susceptible to impacts from objects.
10. Airbag sensor unit **MUST BE** mounted only in the intended location. Re-location of the unit is prohibited.

Connecting Wiring Harness to Unit

1. Make sure wiring harness is free and not pinched under unit. **See Figure 4**.
2. Position connector B locking lever as shown in **Figure 3**.
3. Insert connectors into unit. **DO NOT FORCE**.
4. Rotate locking lever to pull connector into unit. Listen for "click" to ensure lever is connected correctly. **See Figure 4**. Refer to crimping guide if harness repair is necessary.
5. Push Connector A until it is securely fastened.
6. Harness needs to be secured mechanically within 100 mm (4 inches) from the sensor ECU.

Important: The following steps **MUST** be performed prior to connecting the battery negative terminal cable:

1. Lower vehicle side window.
2. Turn the ignition key/vehicle switch to ON position.
3. **EXIT VEHICLE AND ENSURE NO ONE IS IN VEHICLE AND EVERYONE IS CLEAR OF OCCUPANT PROTECTIVE DEVICES.**
4. After verifying that no one is inside the vehicle, connect the battery negative terminal cable. Turn the battery disconnect switch to the ON position.
5. Follow diagnostic procedure to test proper installation.

Figure 2

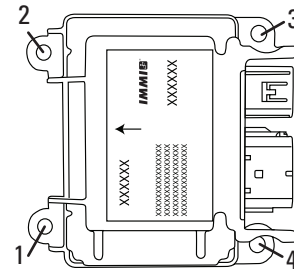


Figure 3

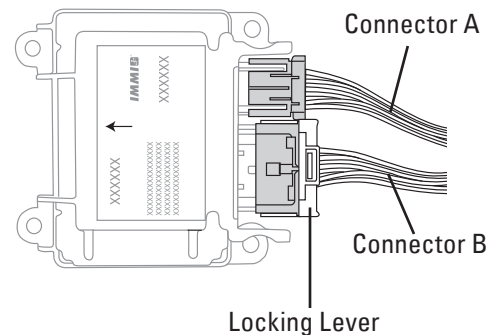


Figure 4

