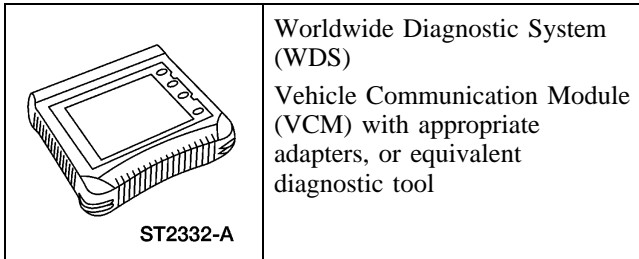


REMOVAL AND INSTALLATION

Front Seat Cushion Cover

Special Tool(s)



Removal and Installation

⚠ WARNING: Always wear safety glasses when repairing an air bag supplemental restraint system (SRS) vehicle and when handling an air bag module. This will reduce the risk of injury in the event of an accidental deployment.

⚠ WARNING: To reduce the risk of personal injury, do not use any memory saver devices.

⚠ CAUTION: It is necessary to rezero the occupant classification sensor (OCS) system when a front passenger seat cushion is disassembled, a new trim cover is installed or an OCS service kit is installed. A diagnostic tool is used to trigger the active command to carry out rezeroing of the OCS system.

NOTE: If a seat equipped with a supplemental restraint system (SRS) component is being serviced, the supplemental restraint system (SRS) must be depowered.

NOTE: The air bag warning lamp illuminates when the RCM fuse is removed and the ignition switch is ON. This is normal operation and does not indicate a supplemental restraint system (SRS) fault.

NOTE: The SRS must be fully operational and free of faults before releasing the vehicle to the customer.

All seats

1. Position the seat to gain access to the seat track-to-floor nuts and bolts.

2. Depower the SRS. For additional information, refer to Supplemental Restraint System (SRS) Depowering and Repowering in the General Procedures portion of Section 501-20B.

3. Remove the front seat. For additional information, refer to Front Seat in this section.

4. Remove the clip and the recline handle.

Driver seat with manual height adjust

5. Remove the manual height adjust handle center cover.

6. Remove the 2 screws and the manual height adjust handle.

Driver power seats

7. Remove the seat control switch knob.

All seats

8. Remove the screw at the rear of the cushion side shield. Pull out on the side of the cushion side shield, release the retaining clips and pin-type retainer and separate the side shield.

- Vehicles with a manual seat, remove the cushion side shield.

9. At the rear inboard side of the seat, release the cushion trim cover flap from the cushion frame bracket.

10. Release all cushion trim cover-to-cushion frame retainers.

11. **⚠ CAUTION:** Use care when separating the seat upholstery from the hook and loop strip, or the hook and loop strip can be torn from the cushion foam pad.

Separate the hook and loop strips, remove the hog rings and separate the cushion trim cover from the cushion foam pad.

12. To install, reverse the removal procedure.

13. Install the seat. For additional information, refer to Front Seat in this section.


REMOVAL AND INSTALLATION (Continued)

14. Repower the SRS. **If the passenger seat has been serviced, do not prove out the SRS at this time.** For additional information, refer to Supplemental Restraint System (SRS) Depowering and Repowering in the General Procedures portion of Section 501-20B.


REMOVAL AND INSTALLATION (Continued)

Passenger seat

15.  **WARNING: Do not separate components.**

 **CAUTION: It is necessary to rezero the OCS system when a front passenger seat cushion is disassembled, a new trim cover is installed or an OCS service kit is installed. A diagnostic tool is used to trigger the active command to carry out rezeroing of the OCS system.**

 **CAUTION: Make sure the seat is completely assembled before rezeroing.**

 **CAUTION: The following precautions must be taken before rezeroing the OCS system.**

- **Make sure the OCS system components are connected and no faults are present.**
- **Make sure the OCS system is not at a temperature below 0°C (32°F) or above 45°C (113°F) when initiating the rezeroing process. If the vehicle has been exposed to extreme cold or hot temperatures, the vehicle must be exposed and kept at a temperature within the limits, 0°C to 45°C (32°F to 113°F) for a minimum of 30 minutes.**
- **Make sure nothing is present on the passenger seat before rezeroing and nothing is placed on the seat during the rezeroing process.**
- **Make sure a minimum 8-second time period has passed after cycling the ignition switch ON before the rezeroing process.**

NOTE: For best results in rezeroing, the OCS

system should be at or near room temperature, 10°C to 29°C (50°F to 85°F).

NOTE: When using a NGS+ (NGS with Vehicle Communication Module (VCM) and the latest software) to rezero the OCS system:

- select “FUNCTION TEST”
- select “SYSTEM RESET”
- view the on-screen information then press “TRIGGER”

The NGS+ screen will then display “OCS RESET: REZERO.” Press “DONE” (button 8) to rezero the OCS system. The NGS+ will display “TEST/FUNCTION SUCCESSFUL” once rezeroing of the OCS system is complete.

NOTE: To rezero the OCS system using the Worldwide Diagnostic System (WDS):

- select the “Toolbox” icon
- select “Body” from the menu
- select “Restraints” from the menu
- select “Seat Weight Sensor ReZero”

After selecting “Seat Weight Sensor ReZero”, follow the on-screen prompts to carry out rezeroing of the OCS system.

NOTE: If the first attempt to rezero the OCS system is unsuccessful, a second attempt must be made.

Rezero the occupant classification sensor.

- With the front passenger seat empty, use a diagnostic tool to trigger the active command and rezero the OCS.

16. **NOTE:** The ignition switch must be cycled after rezeroing the OCS system.

Cycle the ignition switch from ON to OFF.

REMOVAL AND INSTALLATION (Continued)**All seats**

17. Prove out the SRS as follows:

Turn the ignition key from ON to OFF. Wait 10 seconds, then turn the key back to ON and visually monitor the air bag indicator with the air bag modules installed. The air bag indicator will light continuously for approximately 6 seconds and then turn off. If an air bag SRS fault is present, the air bag indicator will:

- fail to light.
- remain lit continuously.
- flash.

The flashing might not occur until approximately 30 seconds after the ignition switch has been turned from the OFF to the ON position. This is the time required for the restraints control module (RCM) to complete the testing of the SRS. If the air bag indicator is inoperative and a SRS fault exists, a chime will sound in a pattern of 5 sets of 5 beeps. If this occurs, the air bag indicator and any SRS fault discovered must be diagnosed and repaired.

Clear all continuous DTCs from the RCM using a diagnostic tool.
