


Seat Backrest — Front

Special Tool(s)

 ST2834-A	Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool
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Removal and Installation

NOTICE: To prevent system failure, it is necessary to carry out the Occupant Classification Sensor (OCS) system reset when a front passenger seat cushion is disassembled, a new trim cover is installed or an **OCS** system service kit is installed. A scan tool is used to carry out the **OCS** system reset.

NOTE: The air bag warning indicator illuminates when the correct Restraints Control Module (RCM) fuse is removed and the ignition switch is ON.

NOTE: The Supplemental Restraint System (SRS) must be fully operational and free of faults before releasing the vehicle to the customer.

NOTE: If a driver or passenger seat backrest heater mat is faulty, a new seat backrest foam pad must be installed with the heater mat. Do not reuse the original seat backrest foam pad.

NOTE: Note all harness routing for correct installation.

All seats

1. Remove the front seat. For additional information, refer to [Seat — Front](#) in this section.
2. Remove the clip and recline handle.

Driver seat

3. If equipped, remove the manual height adjust handle.
 - Remove the manual height adjust handle center cover.
 - Remove the 2 screws and manual height adjust handle.

All seats

4. **NOTE:** Inspect the cushion side shield retaining clips for damage. Install new retainers if damage is present.

Remove the screw at the rear 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.

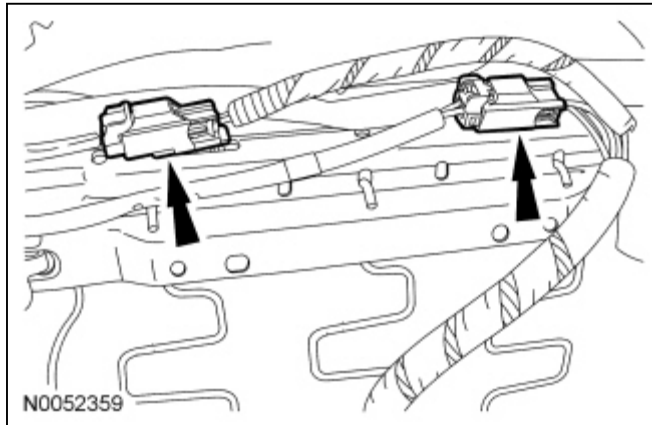
5. Separate the side air bag module electrical connector and the wire harness pin-type retainers from the seat track bracket and cushion frame.

Driver seat

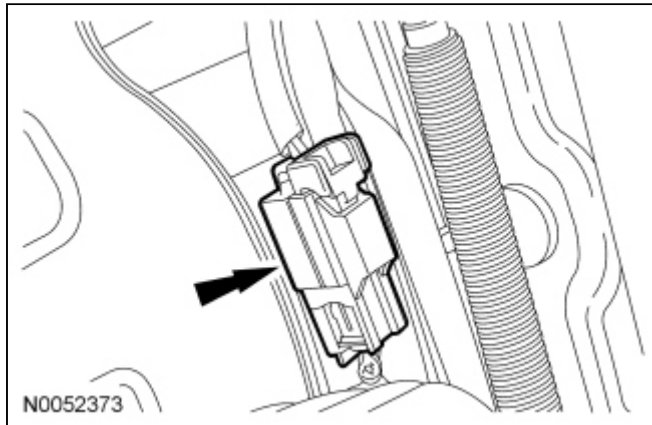
6. If equipped, release the cushion trim cover rear lower J-clip and disconnect the power lumbar and heated

seat cushion electrical connector.

- Separate the connectors from the seat cushion frame.

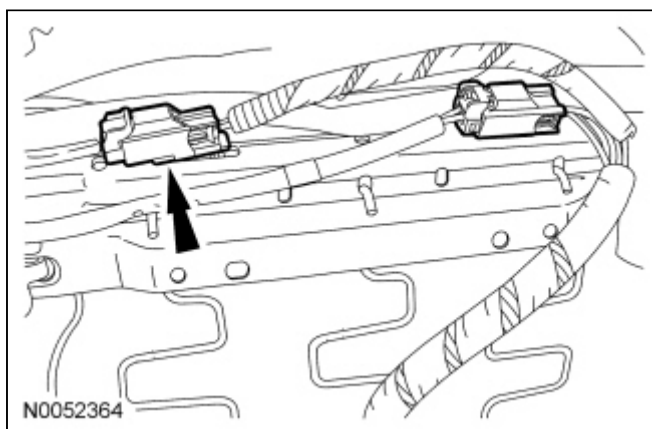


7. If equipped, disconnect the backrest heated seat electrical connector and separate it from the bottom of the seat cushion frame.



Passenger seat

8. If equipped, release the cushion cover rear J-clip and disconnect the backrest heated seat electrical connector.
 - Detach the connector from the seat cushion frame.





All seats

9. Remove the 2 outboard recliner-to-cushion frame bolts.
 - To install, tighten to 55 Nm (41 lb-ft).
10. At the rear inboard side of the seat, release the cushion trim cover flap from the cushion frame bracket.

11. Remove the 2 inboard recliner-to-cushion frame bolts and remove the backrest.
 - To install, tighten to 55 Nm (41 lb-ft).
12. To install, reverse the removal procedure.
13. Install the seat. For additional information, refer to [Seat — Front](#) in this section.
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](#).

Passenger seat

15.  **WARNING:** Make sure the front passenger seat repair is complete, the seat and all attached components (head restraint, seat side shield, etc.) are correctly assembled, and the seat is correctly installed to the vehicle before carrying out the System Reset. Failure to follow these instructions may result in incorrect operation of the occupant classification sensor (OCS) system and increases the risk of serious personal injury or death in a crash.

 **WARNING:** Install a new occupant classification sensor (OCS) system service kit as a complete assembly. Never install only part of the kit components. Failure to follow this instruction may result in incorrect operation of the OCS system and increases the risk of serious personal injury or death in a crash.

NOTICE: To prevent system failure, the following precautions must be taken before carrying out the Occupant Classification Sensor (OCS) system reset:

- Make sure the voltage to the Occupant Classification System Module (OCSM) is above 8 volts and less than 18 volts.
- Make sure the **OCS** system is not at a temperature below 6°C (42°F) or above 36°C (97°F) when initiating the **OCS** system reset 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, 6°C to 36°C (42°F to 97°F) for a minimum of 30 minutes.
- Make sure nothing is present on the passenger seat before carrying out the **OCS** system reset and nothing is placed on the seat during the process.
- Make sure a minimum 8-second time period has passed after cycling the ignition switch ON before the carrying out the **OCS** system reset process.

Carry out the Occupant Classification Sensor (OCS) system reset.

16. If the first system reset attempt was unsuccessful, carry out a thorough visual inspection of the following and repair any concerns found.
 - **OCS** system connector and wiring for damage
 - Pressure sensor hose for kinks and/or damage
 - Seat-related wiring harness and body wiring harness terminals and connectors for damage
17. **NOTE:** The ignition switch must be cycled after the **OCS** system reset.

Carry out a second **OCS** system reset. If the second attempt is unsuccessful, install a new **OCS** system service kit. For additional information, refer to Occupant Classification Sensor in [Section 501-20B](#).

All seats

18. 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 warning indicator with the air bag modules installed. The air bag warning indicator will light continuously for approximately 6 seconds and then turn off. If an air bag **SRS** fault is detected, the air bag warning 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 RCM to complete the testing of the SRS. If the air bag warning 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 warning indicator and any SRS fault discovered must be diagnosed and repaired.
Clear all continuous DTCs from the RCM using a scan tool.
