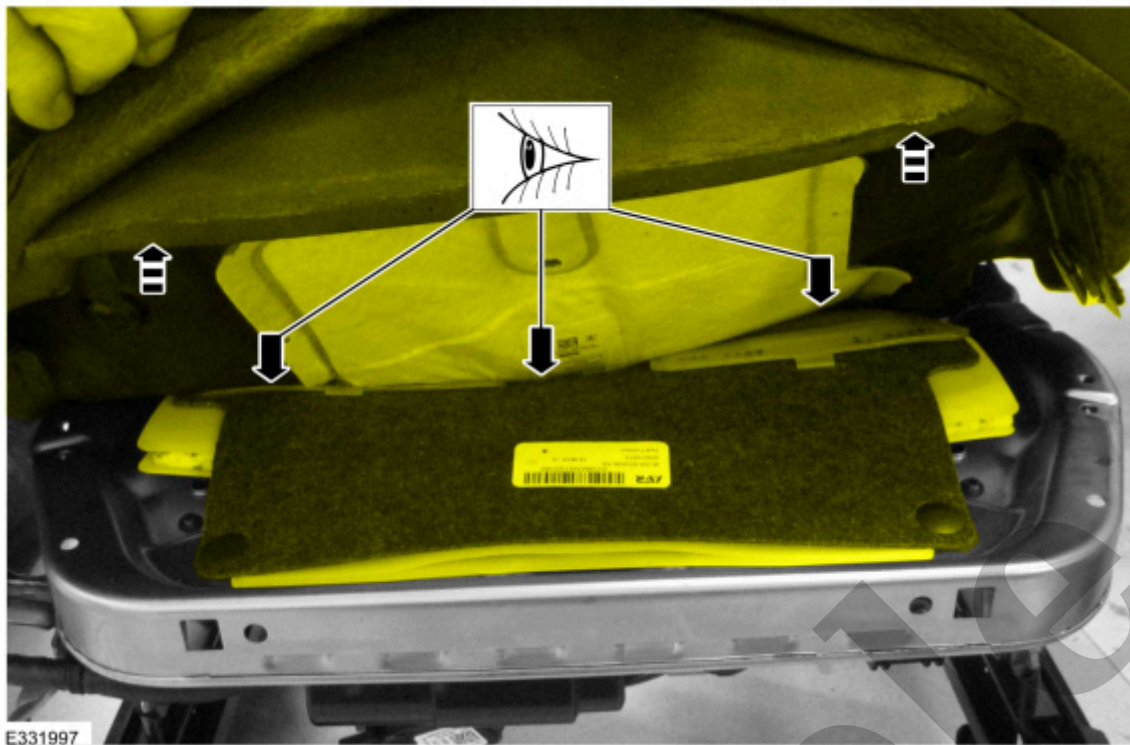


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2016 FORD Ka+ OEM Service and Repair Workshop Manual

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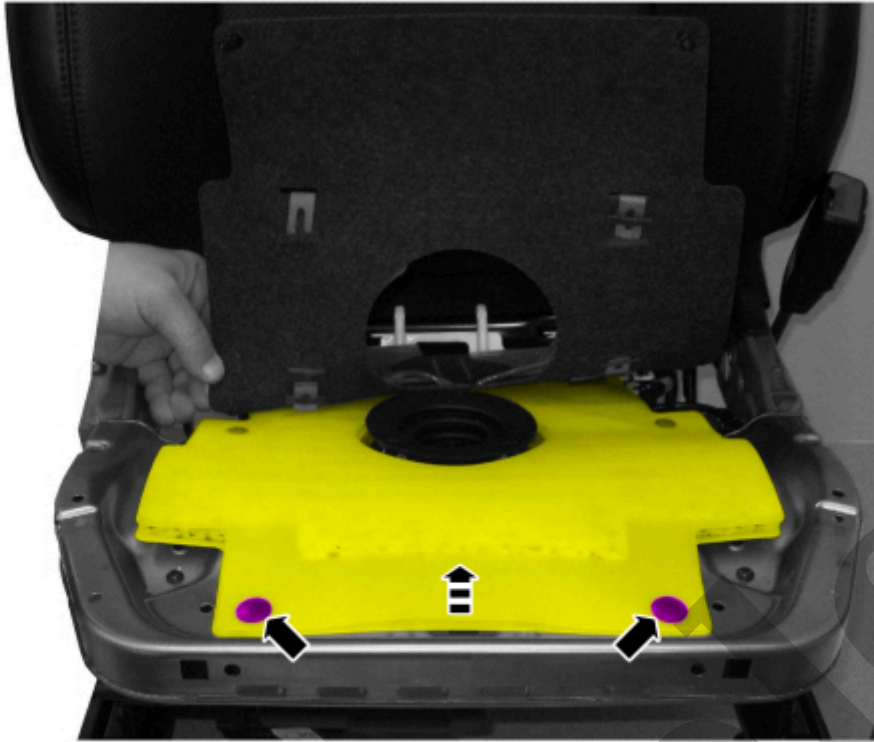
Seats with an OE (original equipment) OCS (occupant classification system)

16. **NOTE**

Note the wiring harness routing for proper installation.

Remove the front seat cushion cover and foam as an assembly while routing out the front seat cushion heater mat wiring pigtail out from between the front seat track and the front seat backrest.

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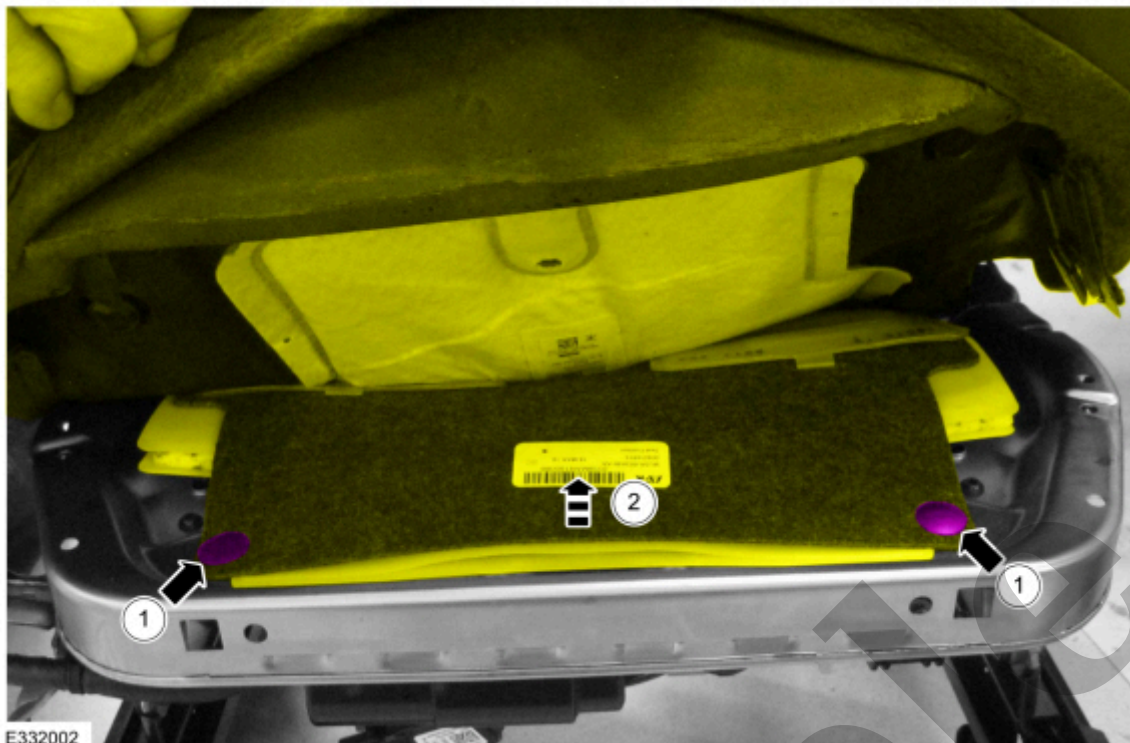
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19. **NOTE**

Note the location of the OCS (occupant classification system) and front seat cushion adjuster hoses as they pass through the front seat cushion support for proper installation.

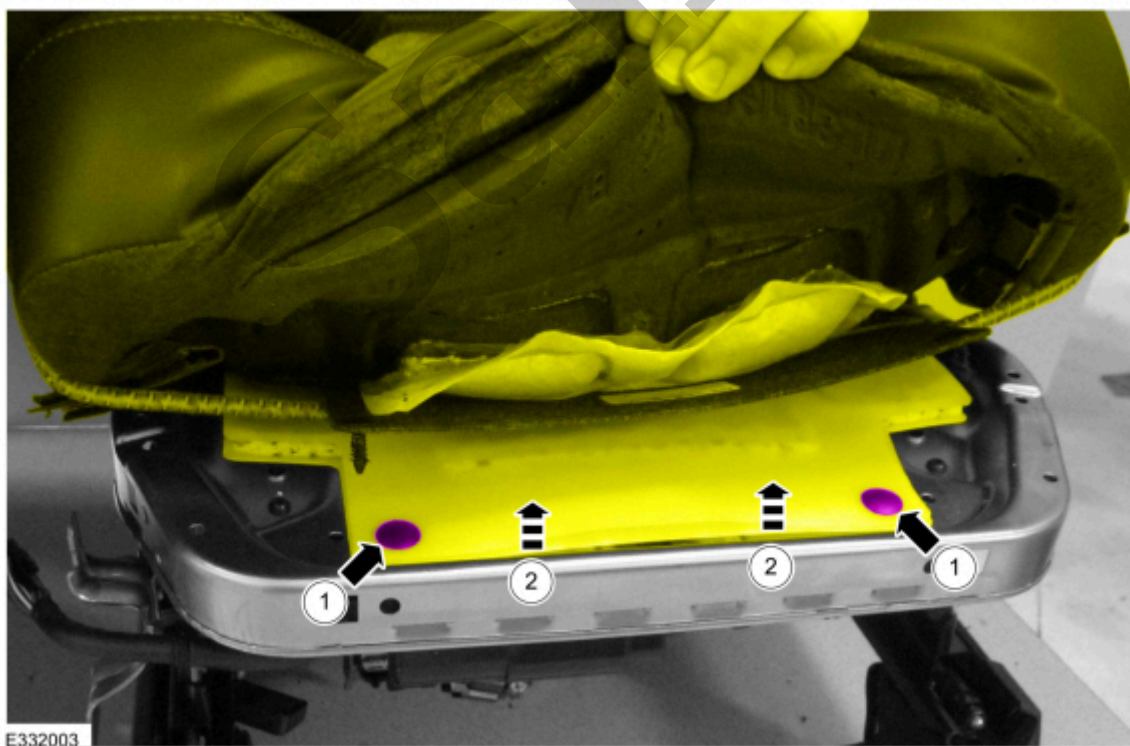
Remove the OCS (occupant classification system) and front seat cushion adjuster.

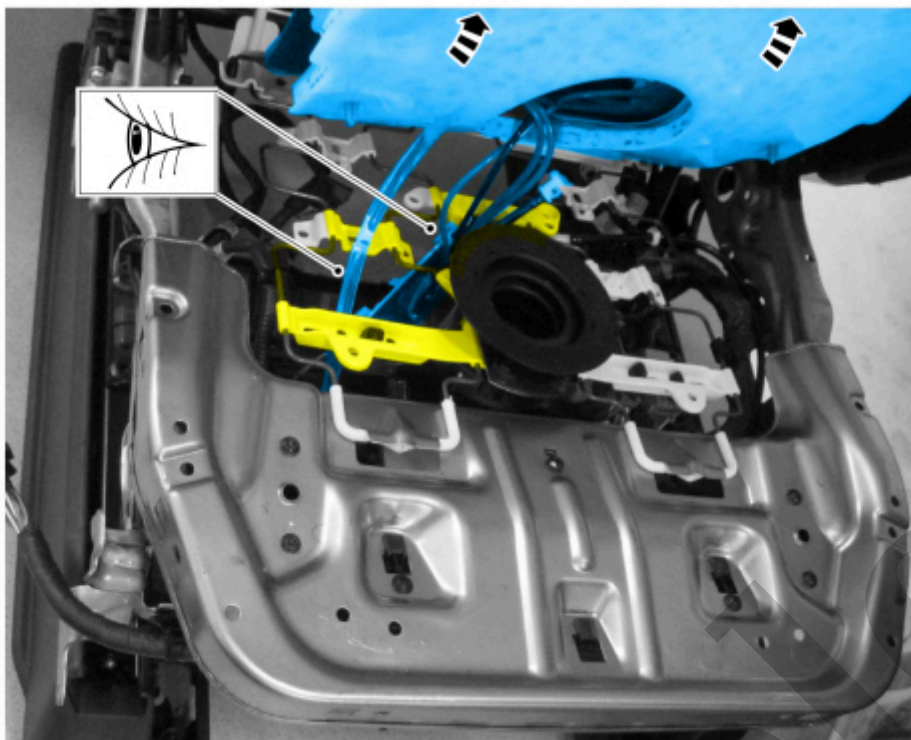
- Route out the OCS (occupant classification system) hose and sensor, and the front seat cushion adjuster hoses and SCMH (passenger multi-contour seat module) from between the front seat cushion support wires and remove them.



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21. 1. Remove the OCS (occupant classification system) pin-type retainers.
2. Lift the OCS (occupant classification system) up off the front seat cushion and start removal.





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All seats

24. NOTE

This step is only necessary when installing a new component.

Invert the rear portion of the front seat cushion cover from the front seat foam.

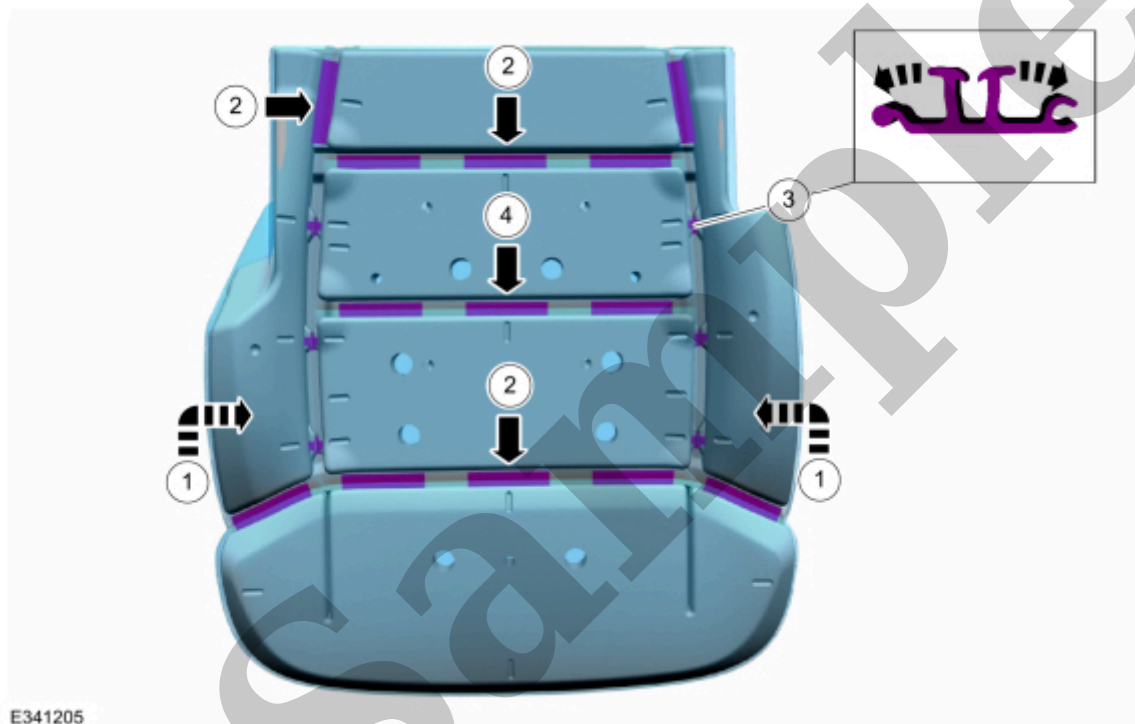
Use care when separating the front seat cushion cover from the hook-and-arrows, or the hooks can be torn from the front seat cushion foam.

Release the hook-and-arrows.

4. NOTICE

Use care when separating the front seat cushion cover from the hook-and-loop strips, or the hook-and-loop strips can be torn from the front seat cushion foam.

Release the inner hook-and-loop strips.



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Installation

1. NOTICE

Inspect the OCS (occupant classification system) bladder, seat cushion pan and support assembly for any foreign objects before installing the OCS (occupant classification system) to the seat cushion pan. Remove any foreign objects. Failure to follow these instructions may result in incorrect operation of the OCS (occupant classification system) and may cause system failure.

Refer to: [Front Seat](#)(501-10A Front Seats, Removal and Installation).

5. **WARNING**

Occupant Classification System (OCS) parts are calibrated as an assembly and must only be replaced in the configuration they are sold. Never separate parts of an assembly. Failure to follow this instruction may result in incorrect operation of the OCS and increases the risk of serious personal injury or death in a crash.

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 using System Reset to rezero the seat weight. Failure to follow these instructions may result in incorrect operation of the occupant classification system (OCS) and increases the risk of serious personal injury or death in a crash.

NOTICE

To prevent system failure, take the following precautions before carrying out the OCS (occupant classification system) reset. Make sure the voltage to the OCSM (occupant classification system module) is greater than 8 volts and less than 18 volts. Make sure the OCS (occupant classification system) is not below 6° C (42.8° F) or above 36° C (96.7° F) when initiating the OCS (occupant classification 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 between 6° C (42.8° F) to 36° C (96.7° F) for a minimum of 30 minutes. Make sure nothing is present on the passenger seat before and during the OCS (occupant classification system) reset process. Prior to carrying out the OCS (occupant classification system) reset, make sure a minimum of 8 seconds has elapsed after cycling the ignition switch on.

Using a diagnostic scan tool, carry out the OCS (occupant classification system) reset. Cycle the ignition switch after the OCS (occupant classification system) reset.

6. If the first system reset attempt was successful, proceed to prove out the SRS (supplemental restraint system) .
7. If the first system reset attempt was not successful, carry out a thorough visual inspection of the OCS (occupant classification system) connector and wiring for damage, pressure sensor hose for kinks and or damage, and seat-related wiring harness and body wiring harness terminals and connectors for damage. Repair any concerns found and proceed to the next step.



Occupant Classification System (OCS) Sensor - Vehicles Without: Multi-Contour Seats

| | |
|--|--|
| <i>501-20B Supplemental Restraint System</i> | <i>2022 F-150</i> |
| <i>Removal and Installation</i> | <i>Procedure revision date: 07/22/2021</i> |

Occupant Classification System (OCS) Sensor - Vehicles Without: Multi-Contour Seats

Removal

WARNING

The following procedure prescribes critical repair steps required for correct restraint system operation during a crash. Follow all notes and steps carefully. Failure to follow step instructions may result in incorrect operation of the restraint system and increases the risk of serious personal injury or death in a crash.

NOTICE

To prevent system failure, carry out the OCS (occupant classification system) reset when a front passenger seat cushion is disassembled, a new trim cover or heater mat is installed or an OCS (occupant classification system) service kit is installed. Use a diagnostic scan tool to carry out the OCS (occupant classification system) reset command.

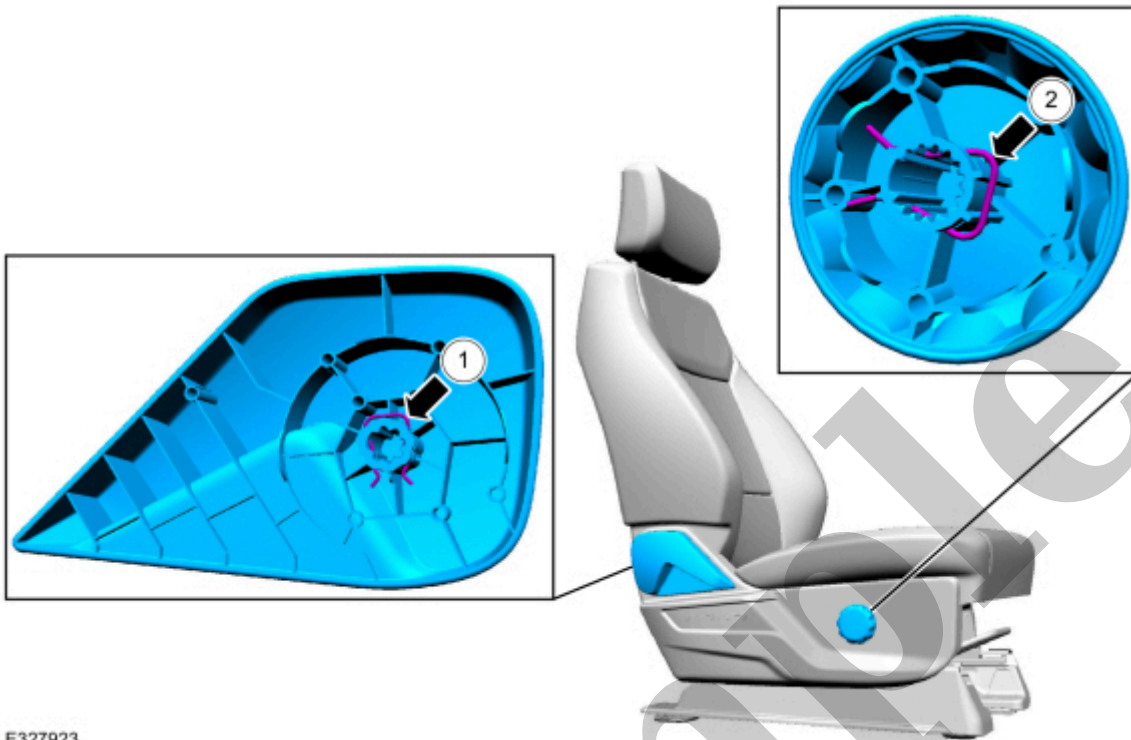
NOTE

OCS (occupant classification system) components (seat cushion foam, bladder with OCSM (occupant classification system module)) are calibrated to each other and are serviced as an assembly with an OCS (occupant classification system) service kit. If a new OCS (occupant classification system) or seat cushion

Remove the retainer and the recline adjusting handle.

2. If equipped.

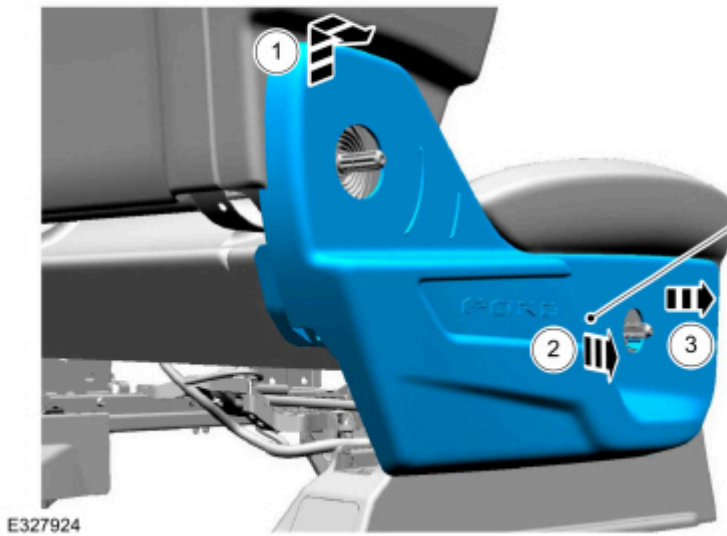
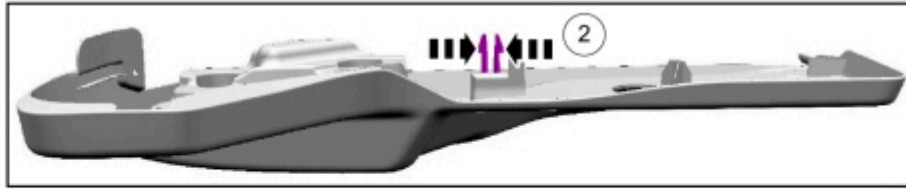
Remove the retainer and the lumbar adjusting handle.



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5. Remove the front seat cushion side shield screws.



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7. If equipped.

Disconnect the front seat control switch electrical connector and remove the front seat cushion side shield.

