

Front Seat Cushion Cover

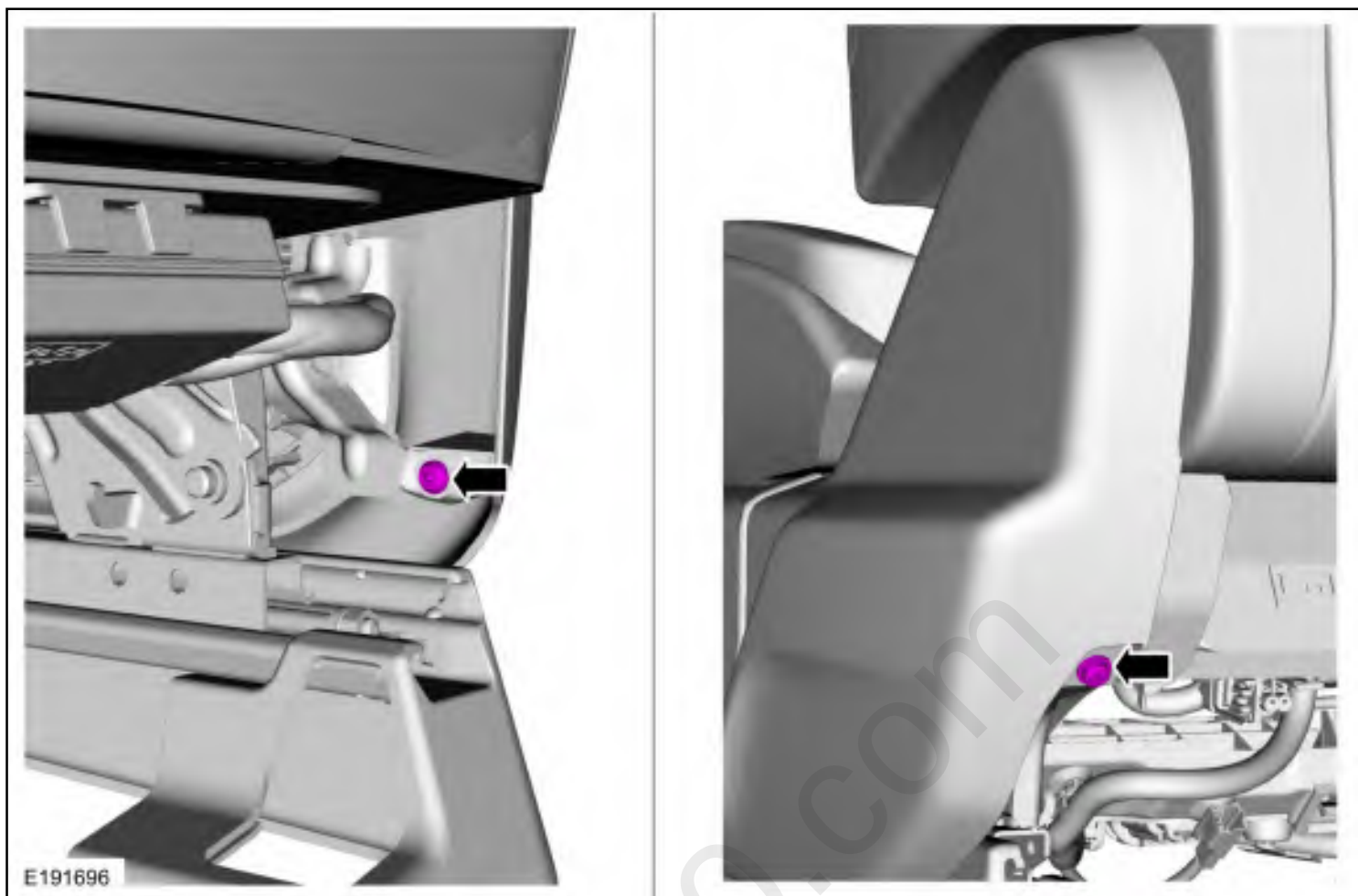
Removal

NOTE: Driver seat shown, passenger seat similar.

NOTE: Removal steps in this procedure may contain installation details.

All seats

1. Remove the front seat.
Refer to: [Front Seat](#) (501-10A Front Seats, Removal and Installation).
2. Remove the side shield screws.



Manual seat

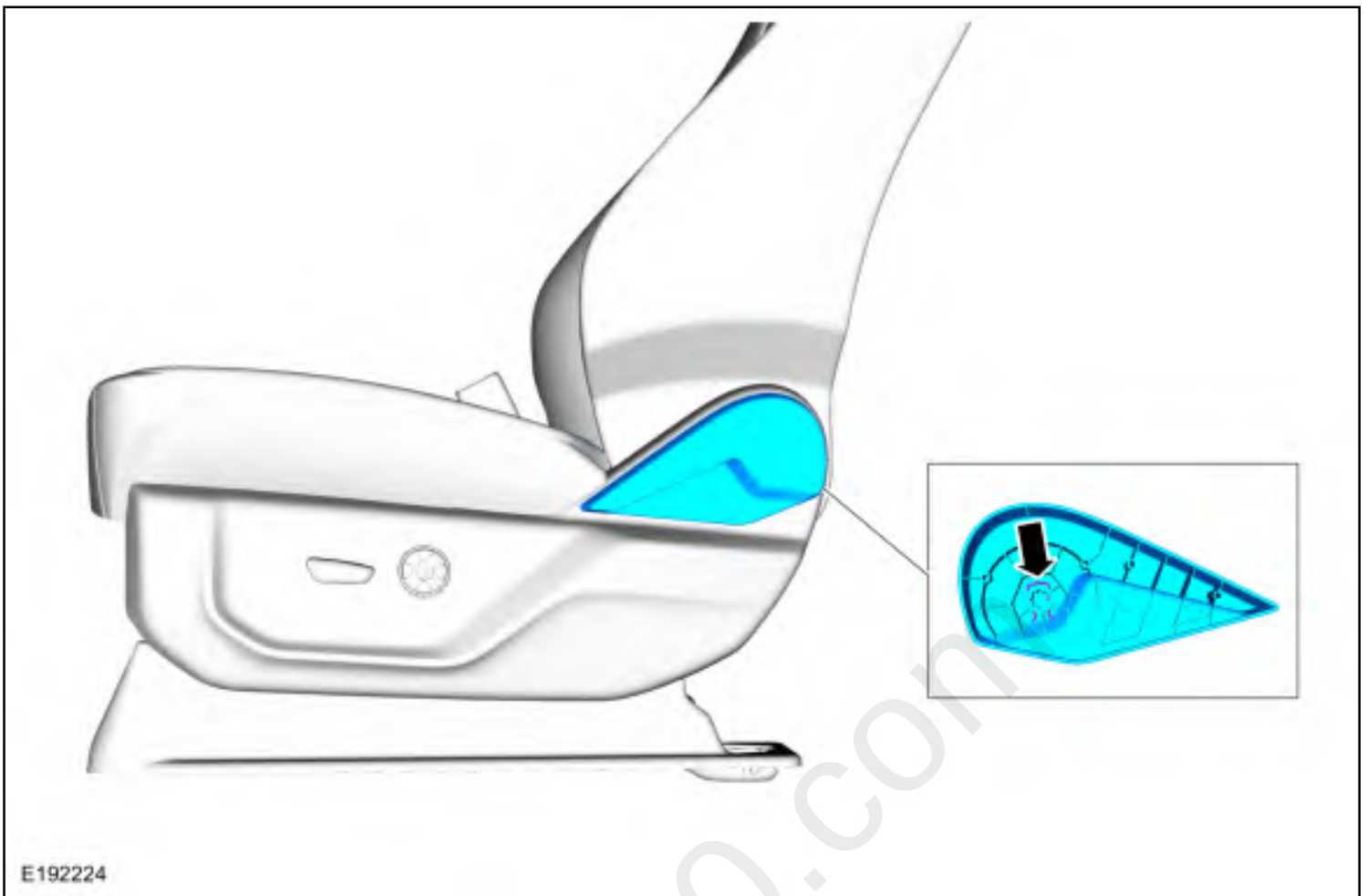
1. Remove the clip and the recline handle.
2. If equipped
Remove the clip and the lumbar handle.



4.

Remove the side shield.

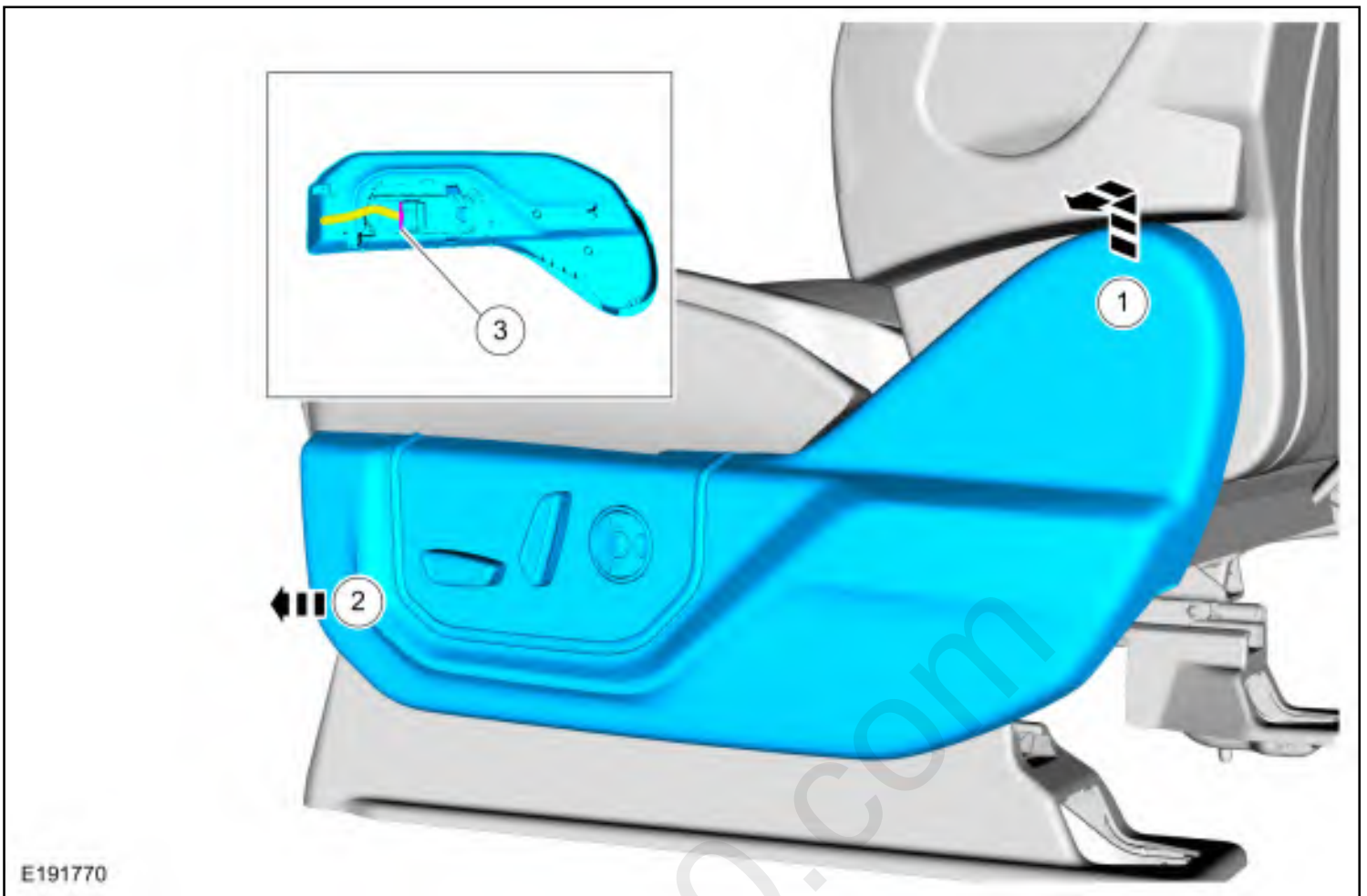
1. Firmly grasp the side shield, lift up and out, separating the side shield from the recliner bracket.
2. From underneath, squeeze the retainers together and pull out on the side shield.
3. Slide the side shield forward.



6.

Remove the side shield.

1. Firmly grasp the side shield, lift up and out, separating the side shield from the recliner bracket.
2. Slide the side shield forward.
3. Disconnect the electrical connector.

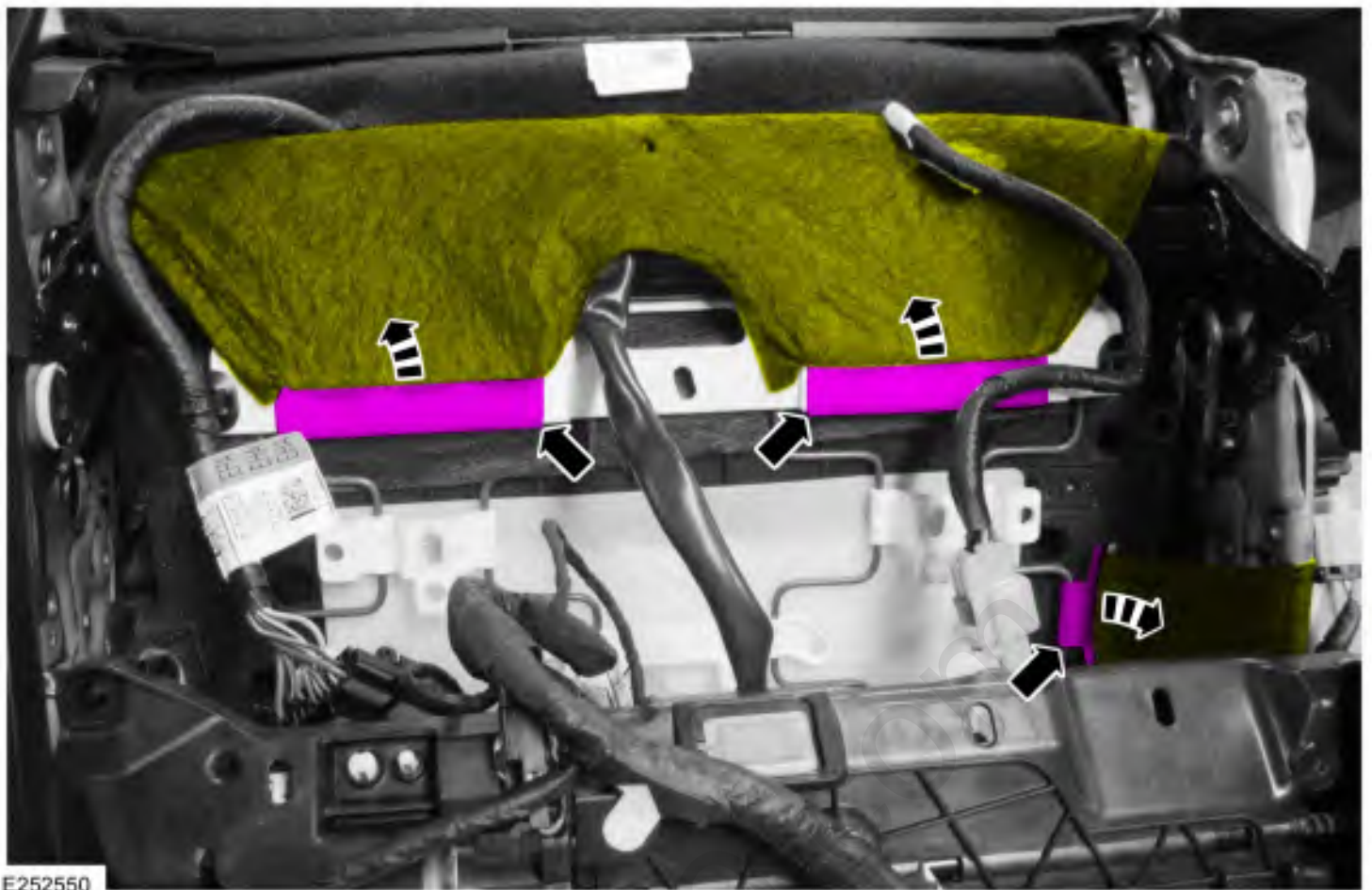


All seats

7. Detach the electrical connector retainers and position the wiring harnesses aside.



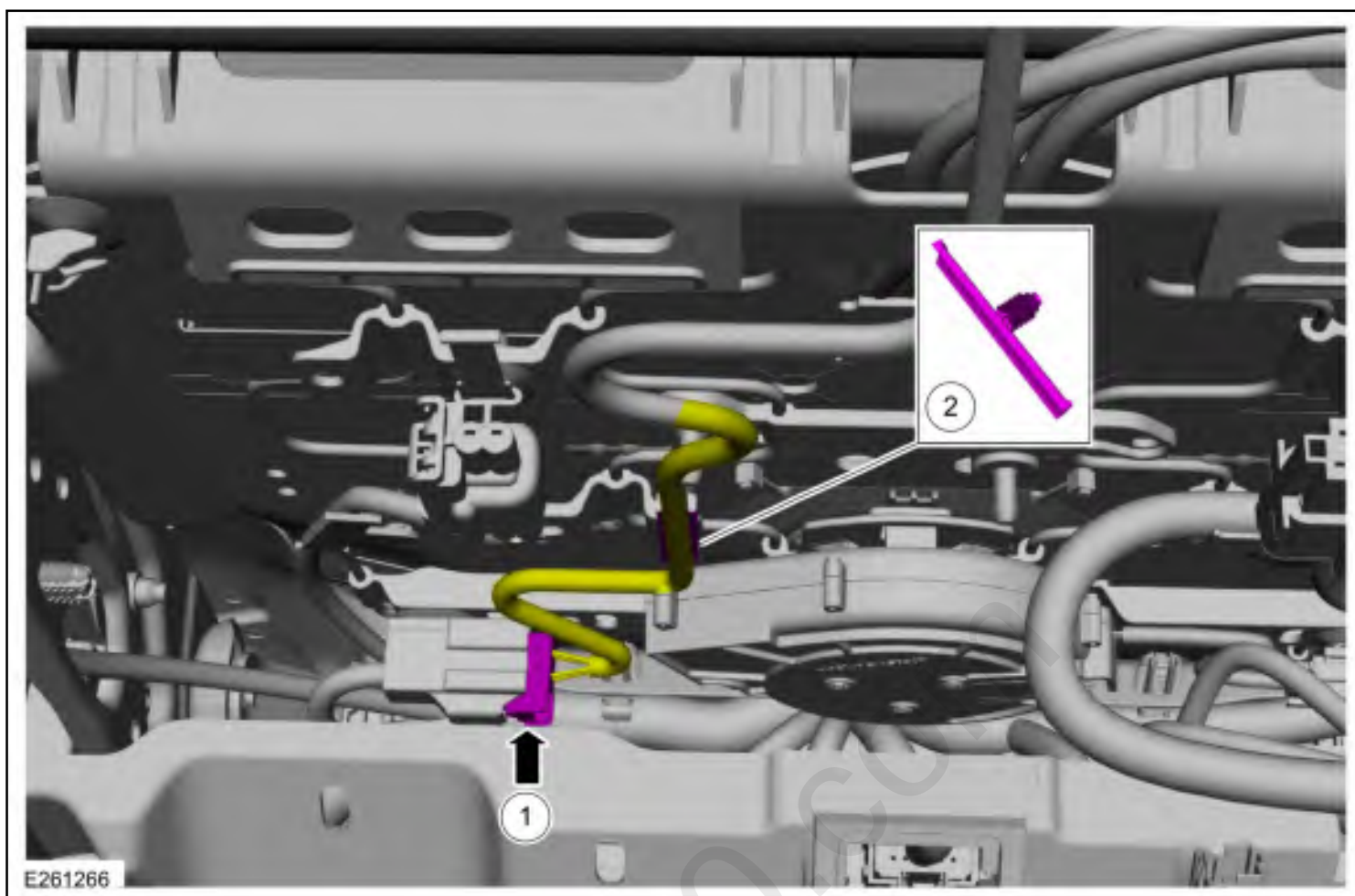
9. Detach the cushion cover J-clips and position the cushion cover aside.



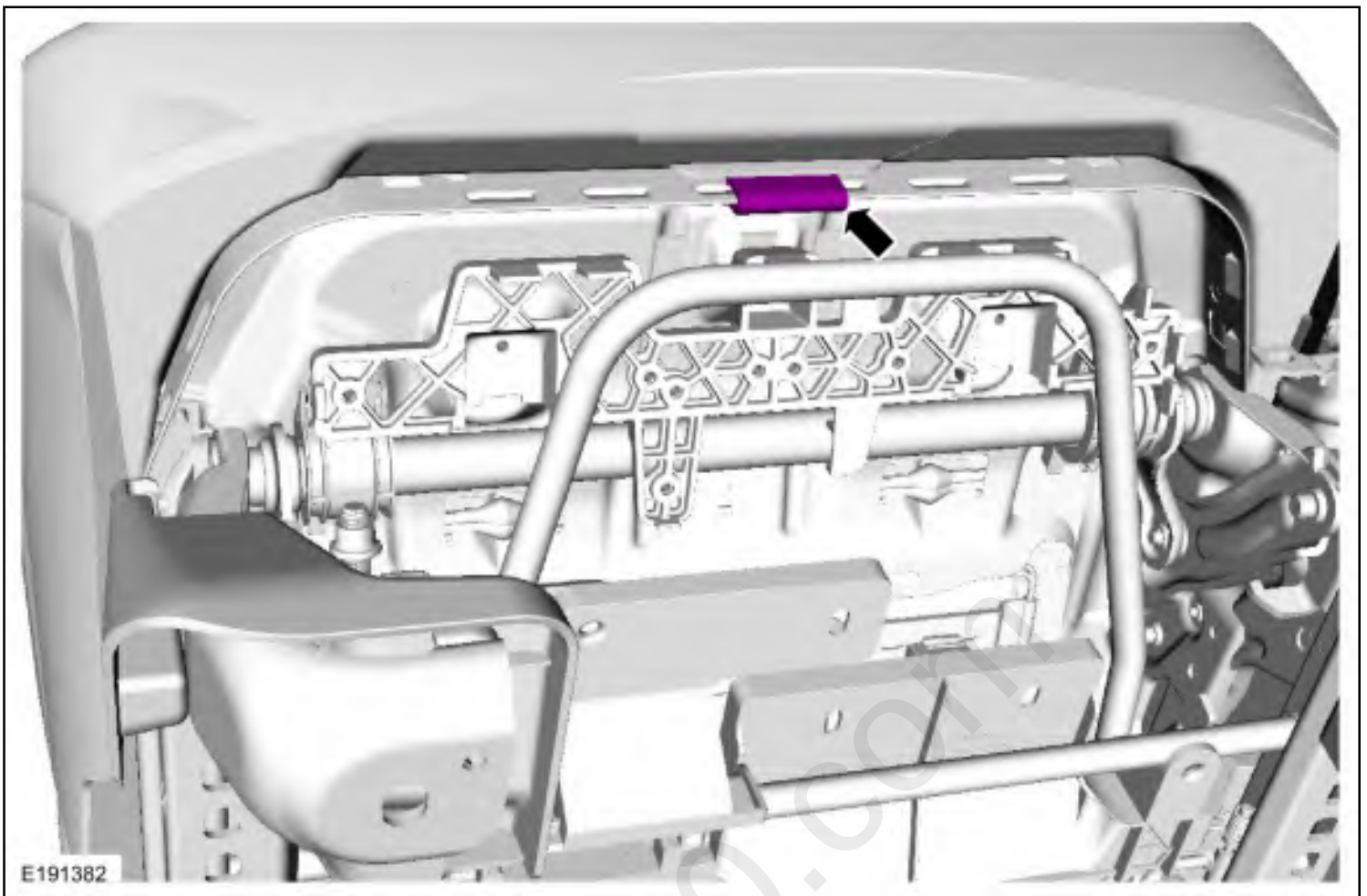
10. If equipped.

Disconnect the front seat cushion heater mat electrical connector.

1. Disconnect the electrical connector.
2. Detach the wiring harness retainer.



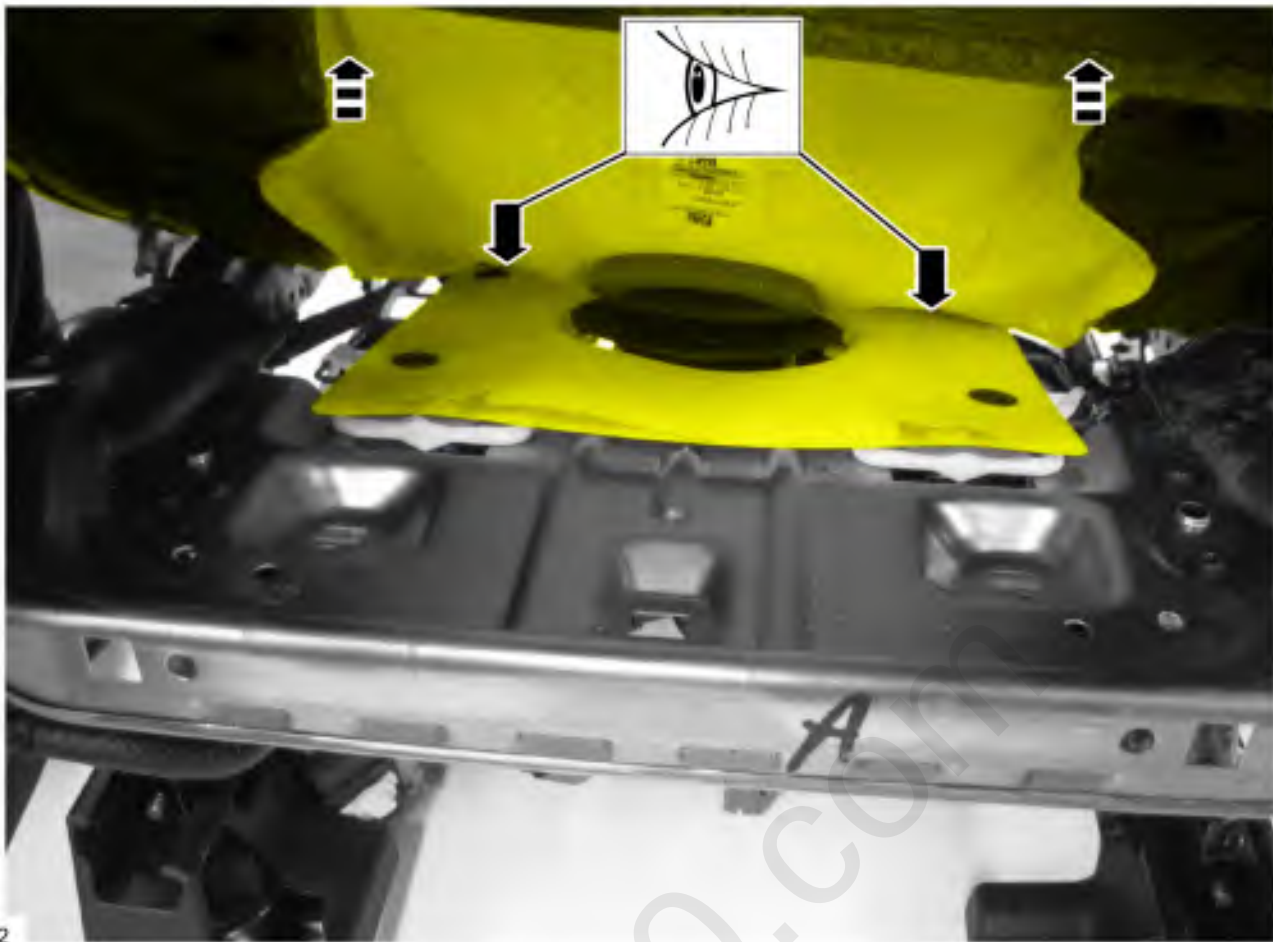
1. On both sides, detach the cushion cover J-clips.
2. Detach the cushion cover J-clip.
3. Remove the strap from around the seatbelt buckle.



13. **NOTE:** *Passenger seat with multi-contour option shown, passenger seat without similar.*

NOTE: *When equipped with an OCS service kit, either the seat cushion adjuster (with multi-contour seat) or the OCS (without multi-contour seat) is adhered to the bottom of the seat cushion foam. This requires the cushion cover, foam, seat cushion adjuster (with multi-contour seat) and OCS to be removed as an assembly.*

For passenger seat, lift the cushion foam. If the cushion foam, OCS and, if equipped, the seat cushion adjuster are adhered together, the OCS is a service kit. If nothing is adhered together, the OCS is OE (original equipment).



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14. For driver seat or passenger seat without OCS service kit, remove the seat cushion cover and foam as an assembly.

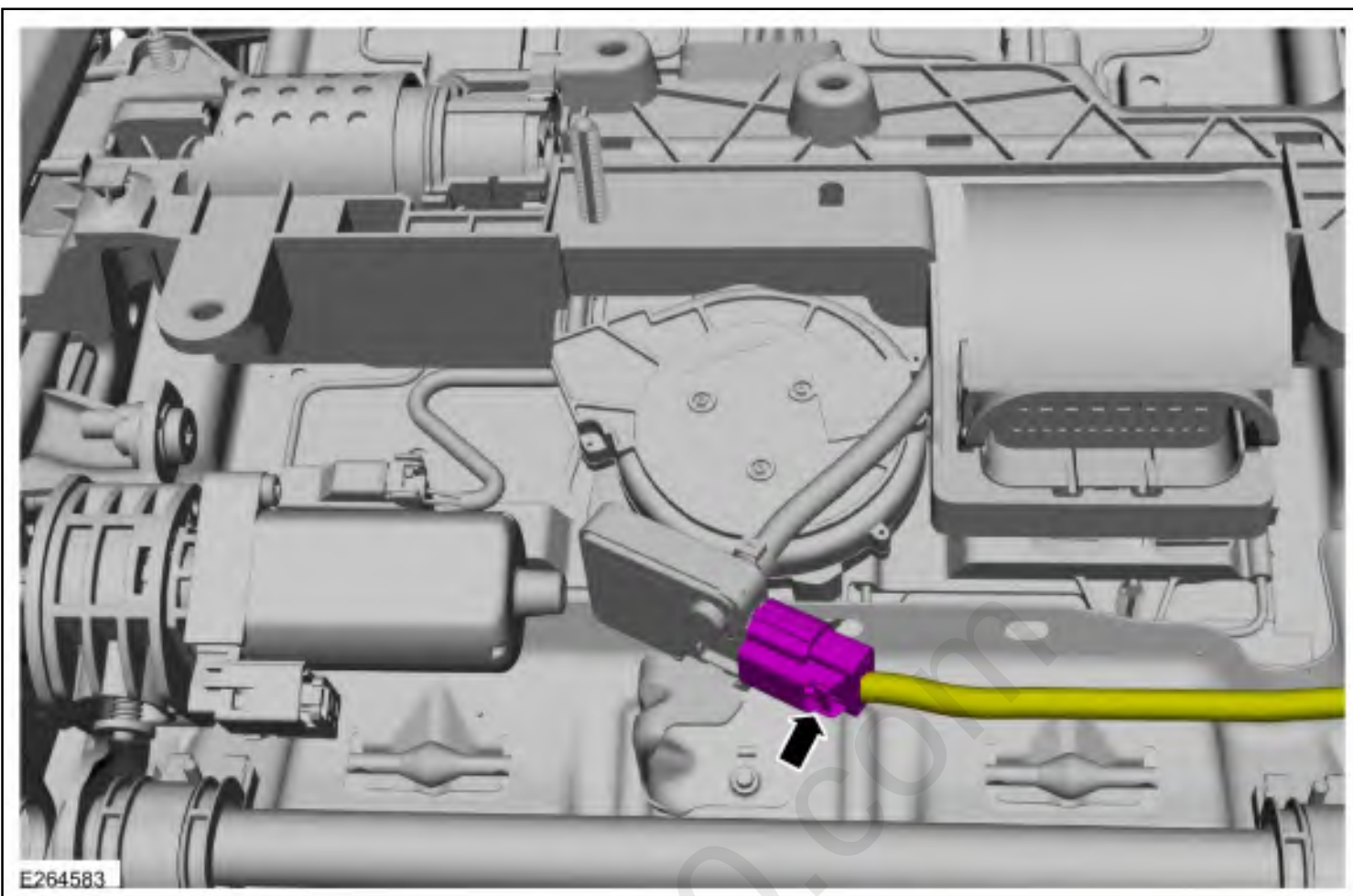


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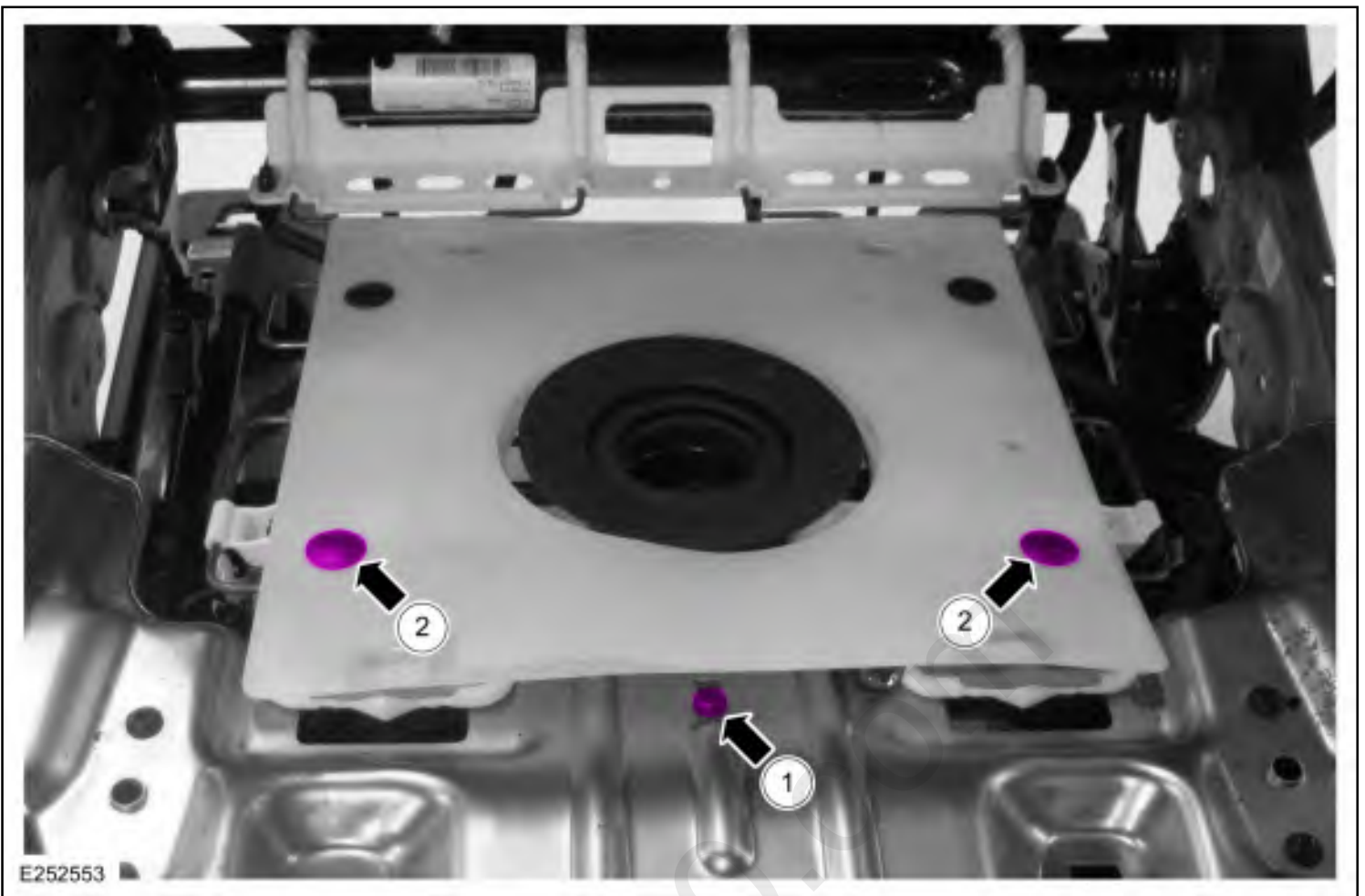
Passenger seat with OCS service kit

15. Disconnect the OCS sensor.



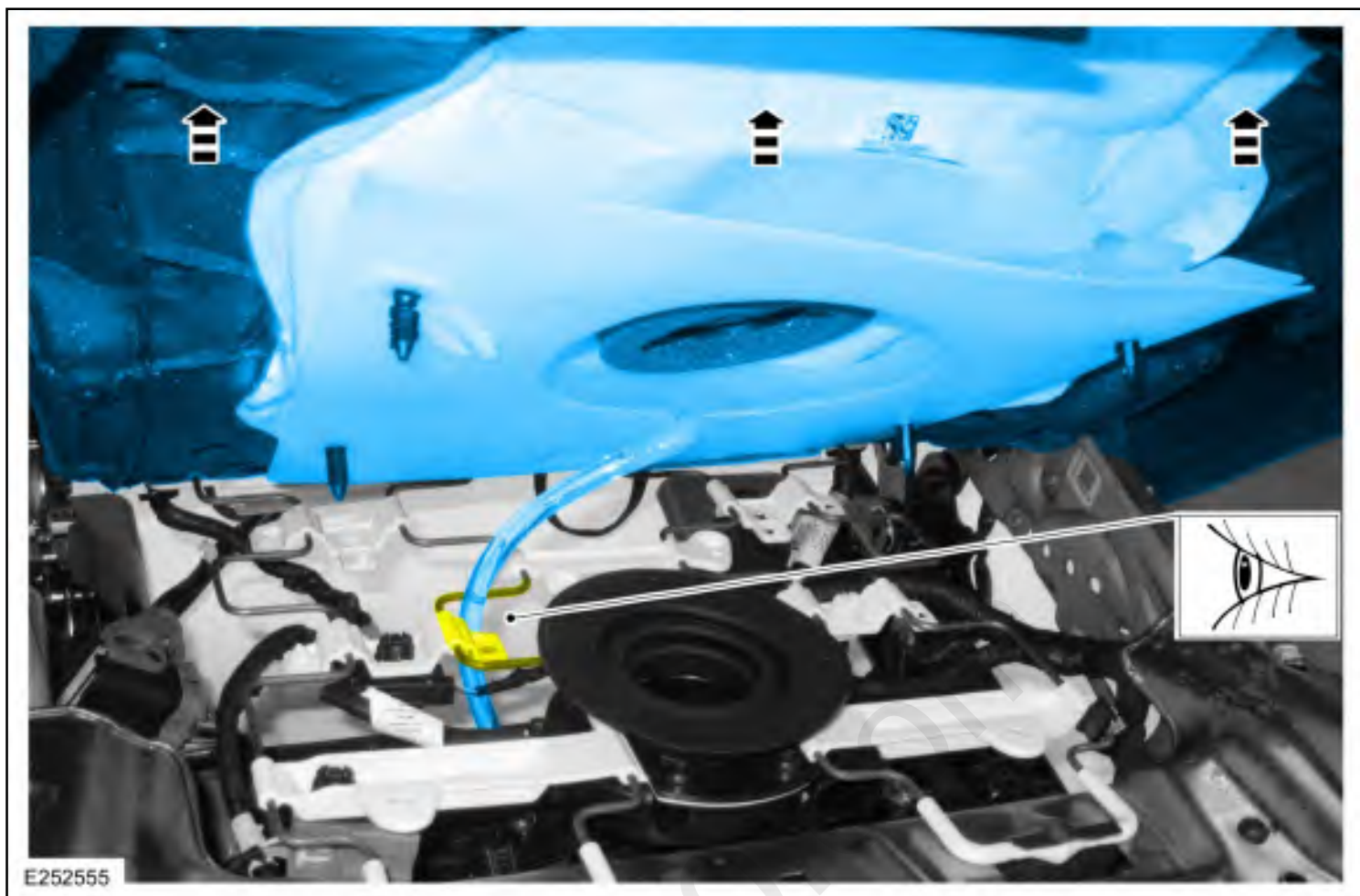
16. **NOTE:** *Typical OE OCS shown, service kit similar.*

1. Remove the OCS sensor bracket screw.
Torque: 44 lb.in (5 Nm)
2. Remove the OCS pin-type retainers.



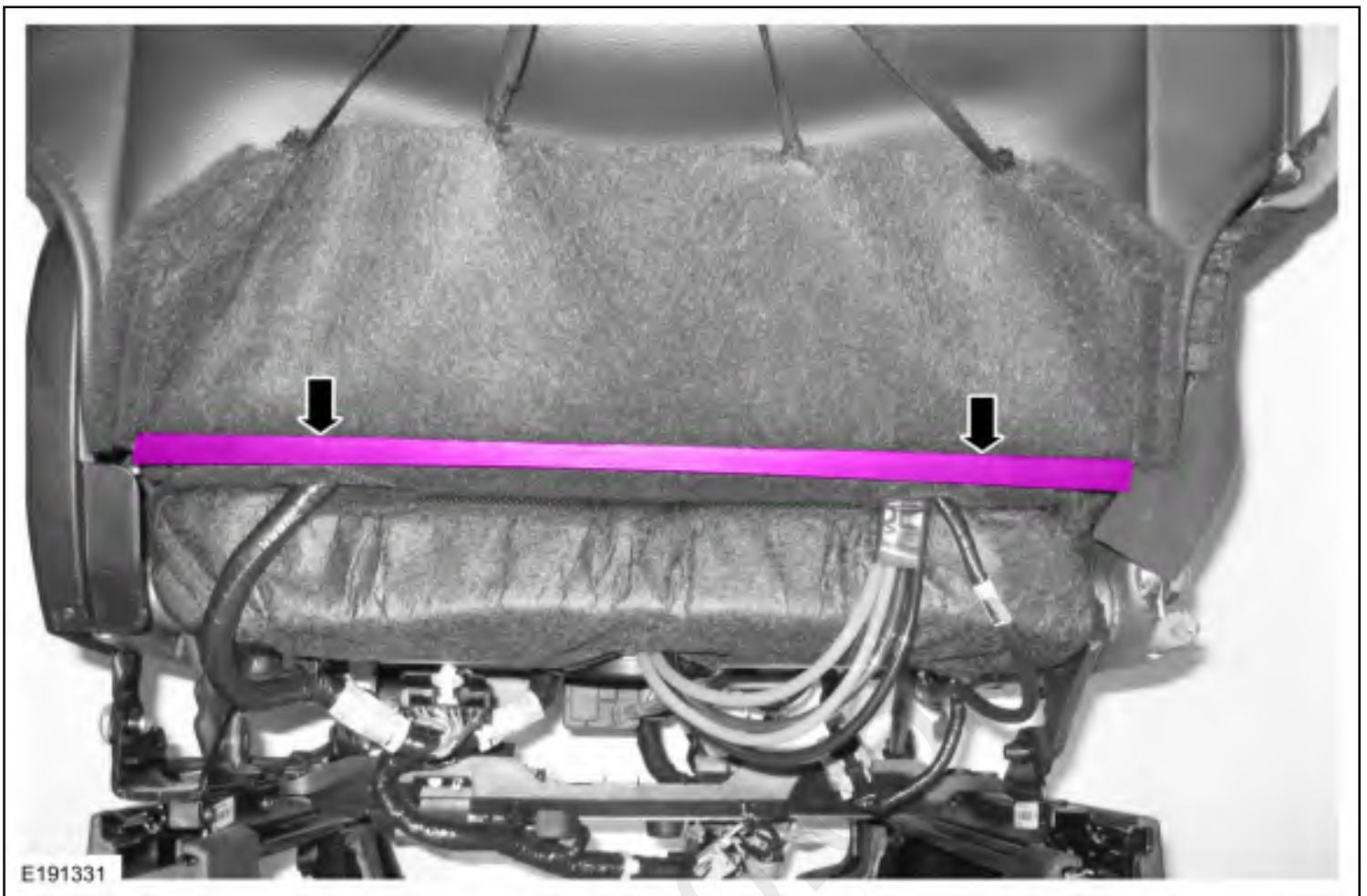
17. **NOTE:** Note the location of the OCS hose as it passes through the seat springs for proper installation.

Route out the OCS hose, sensor, sensor bracket and cushion heater mat wiring pigtail (if equipped) from between the seat cushion support wires and remove the OCS.

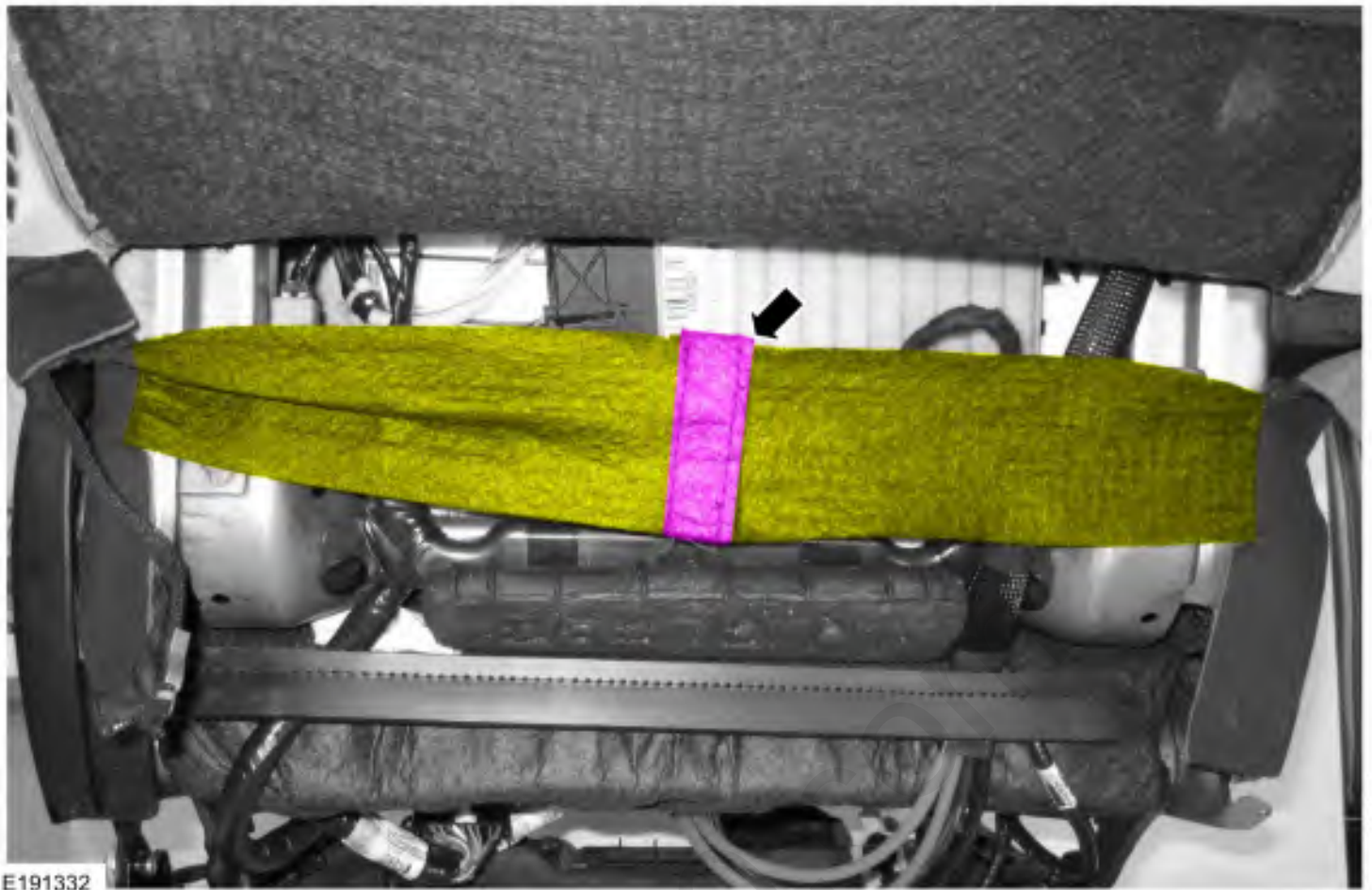


Multi-contour passenger seat with OCS service kit

18. Detach the backrest cover lower J-clips.

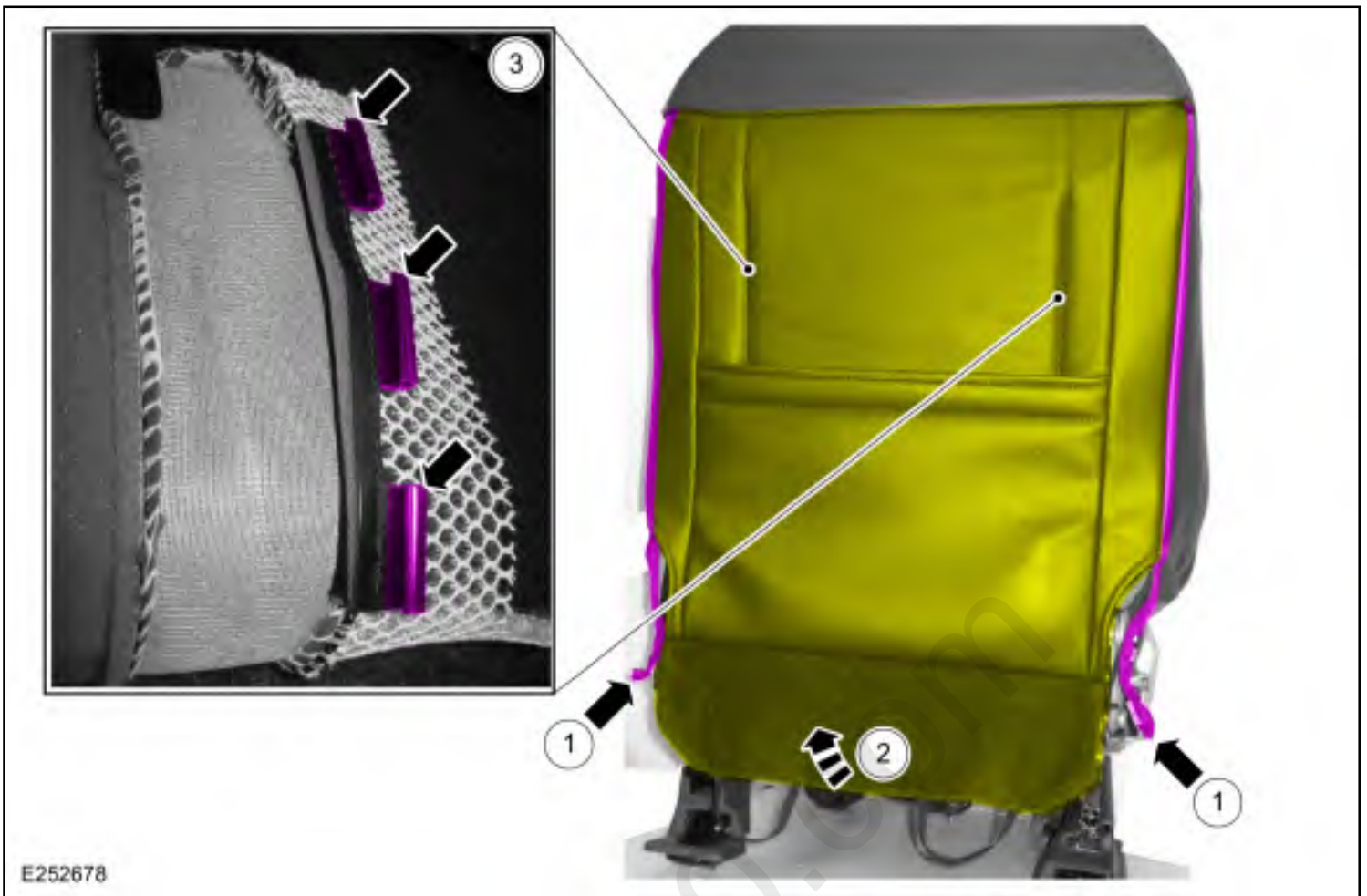


19. Detach the hook-and-loop retainer and position the backrest cover strap aside.



20. **NOTE:** To install, gradually alternate the left and right seat backrest cover zippers to prevent damage to the seat backrest cover.

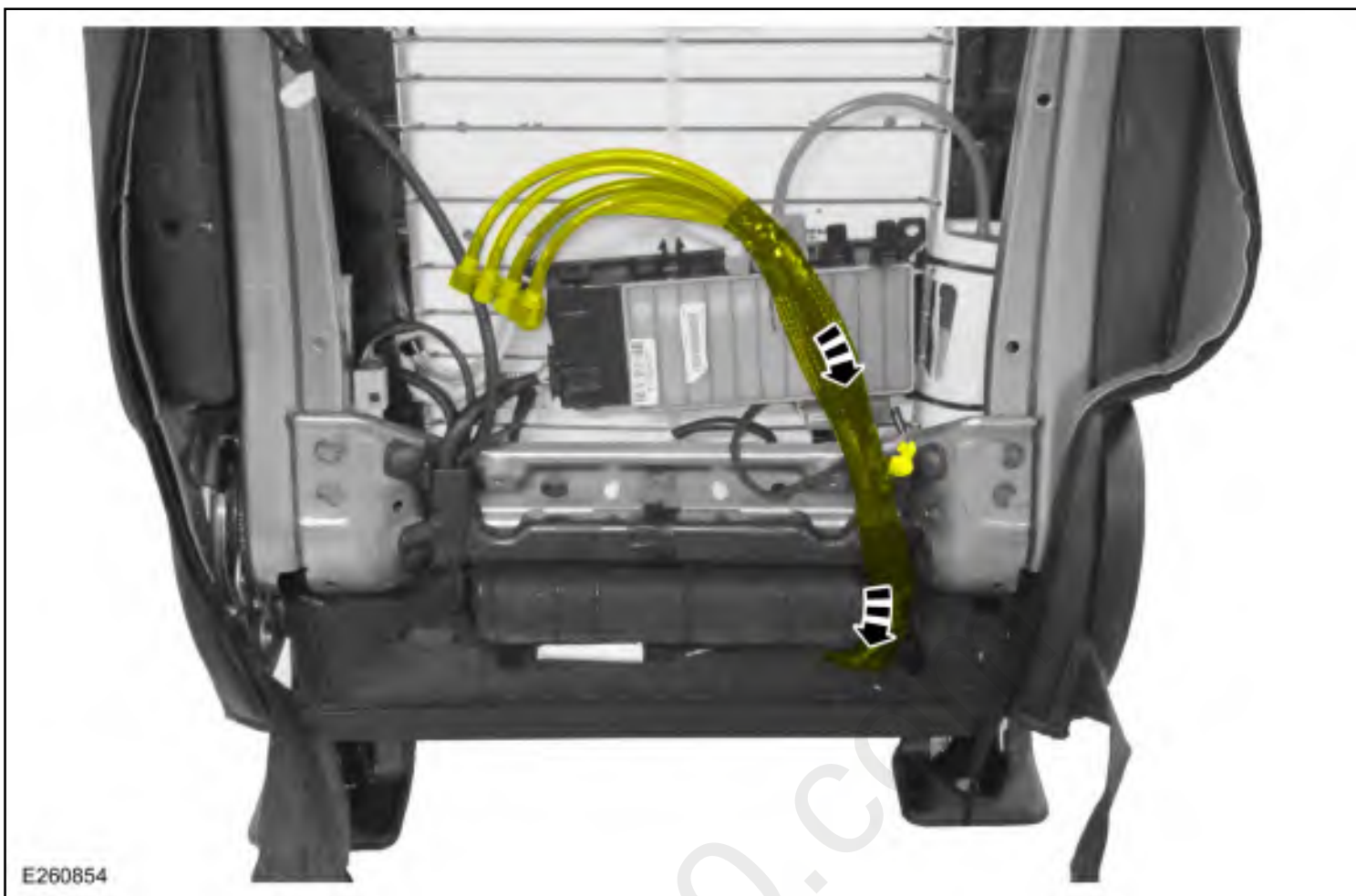
1. Unzip the backrest cover zipper on each side.
2. Position the backrest cover upward.
3. Detach the J-clips from the lumbar wire.



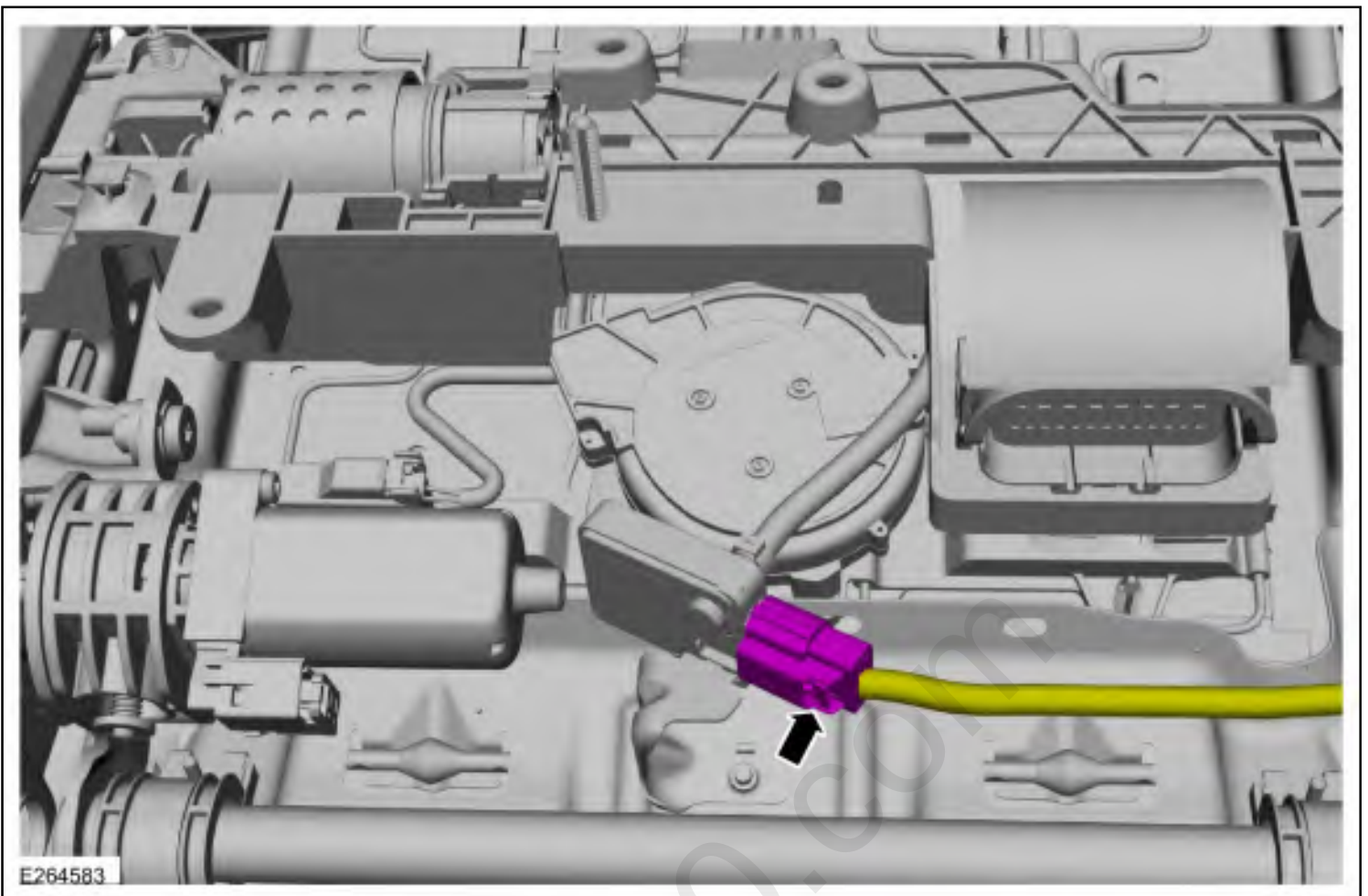
21. Detach the multi-contour seat cushion hose retainer. Release the locking tab and disconnect the hose coupling assembly (Red) from the SCMG.



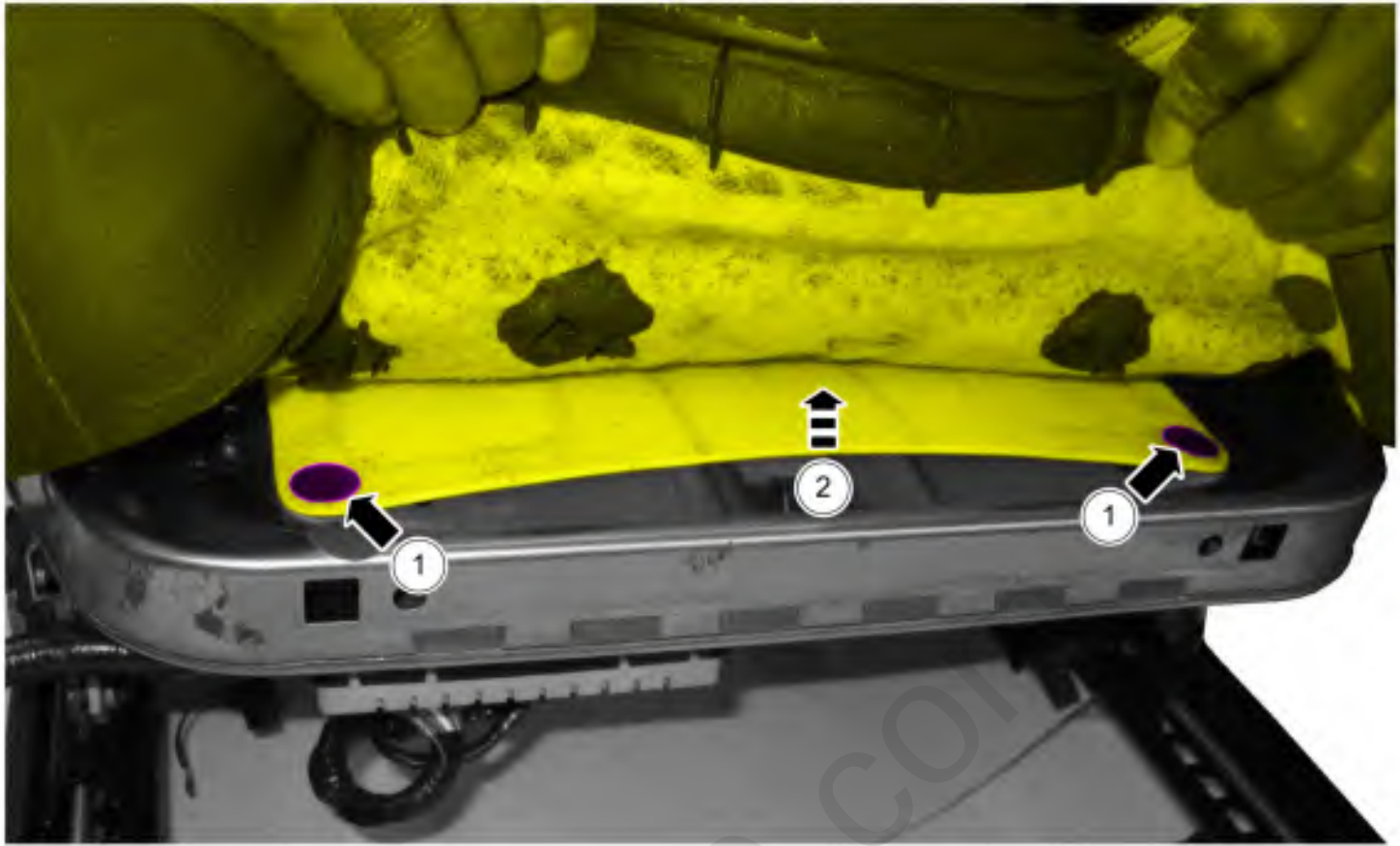
22. Feed the multi-contour seat hose assembly out through the backrest cover opening.



23. Disconnect the OCS sensor.

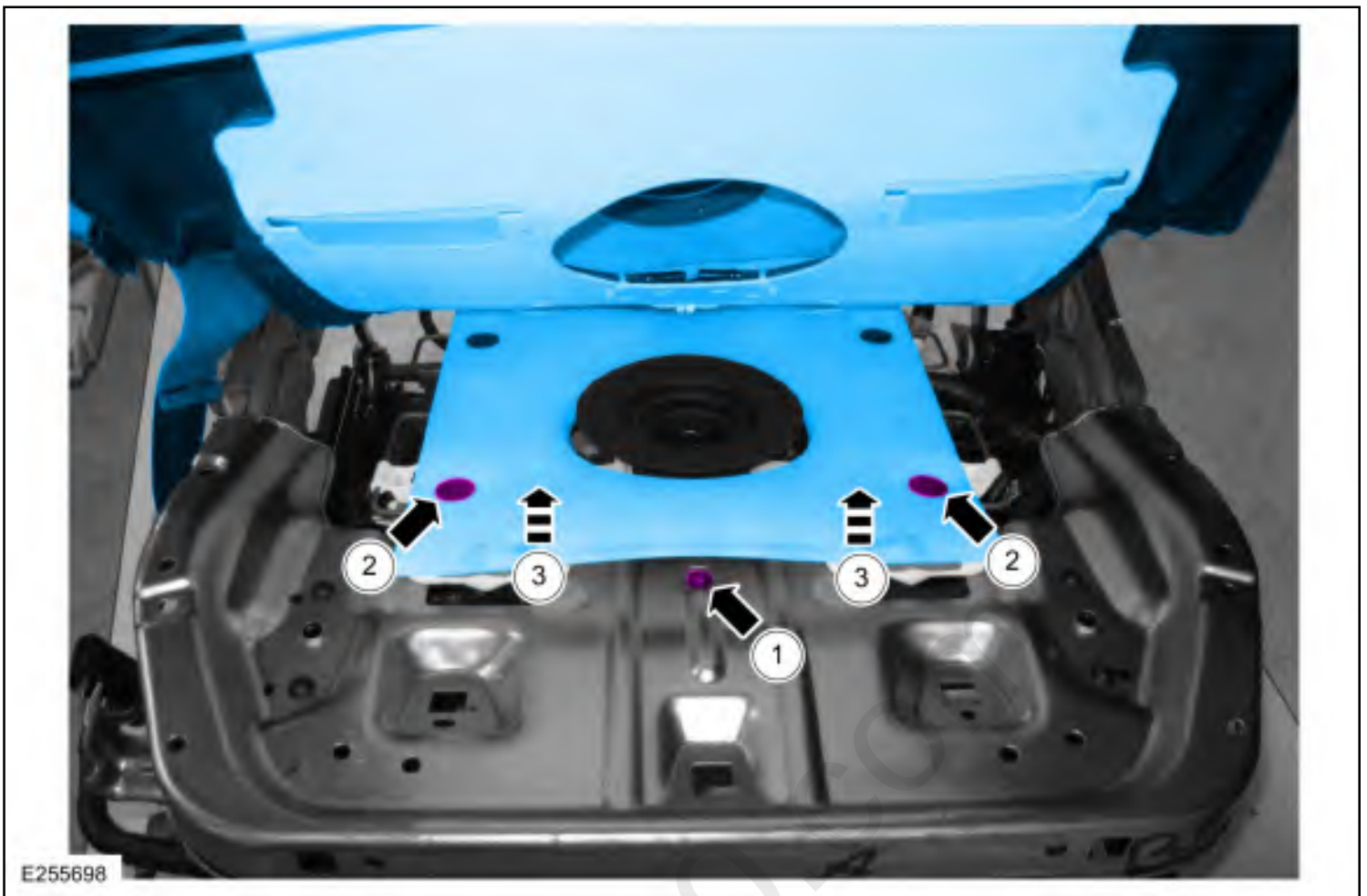


1. Remove the multi-contour seat pin-type retainers.
2. Lift the front of the multi-contour seat assembly to access the OCS pin-type retainers.



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1. Remove the OCS sensor bracket screw.
Torque: 44 lb.in (5 Nm)
2. Remove the OCS pin-type retainers.
3. Lift the OCS up off the seat cushion and start removal.

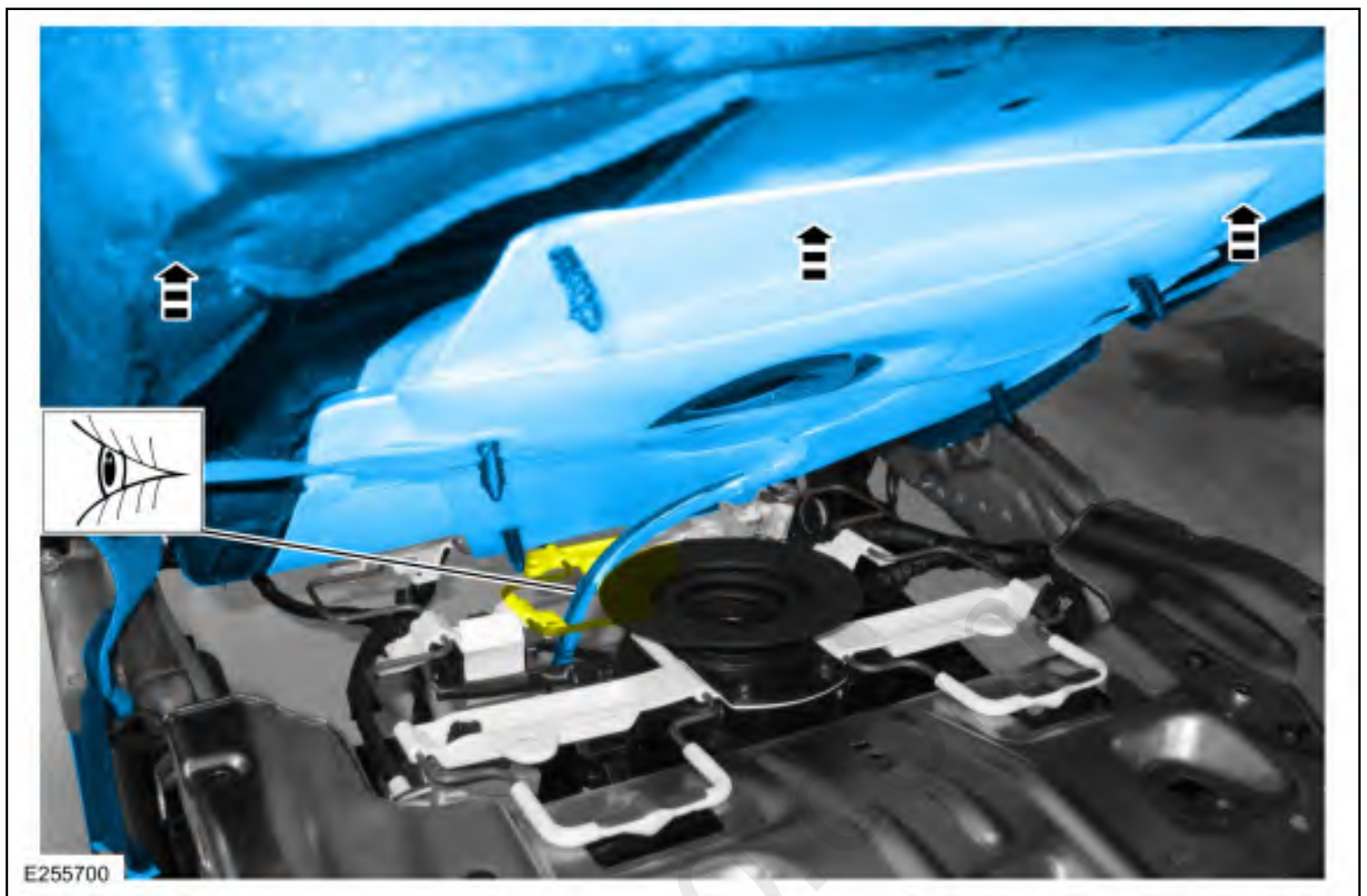


26. Route out the multi-contour seat cushion adjuster hose assembly and cushion heater mat wiring pigtail from between the seat cushion and backrest.



27. **NOTE:** Note the location of the OCS hose as it passes through the seat cushion support for proper installation.

Route out the OCS hose, sensor and sensor bracket from between the seat track support wires and remove the OCS.



All seats

28. **NOTE:** *This step is only necessary when installing a new component.*

Invert the rear portion of the seat cushion cover.

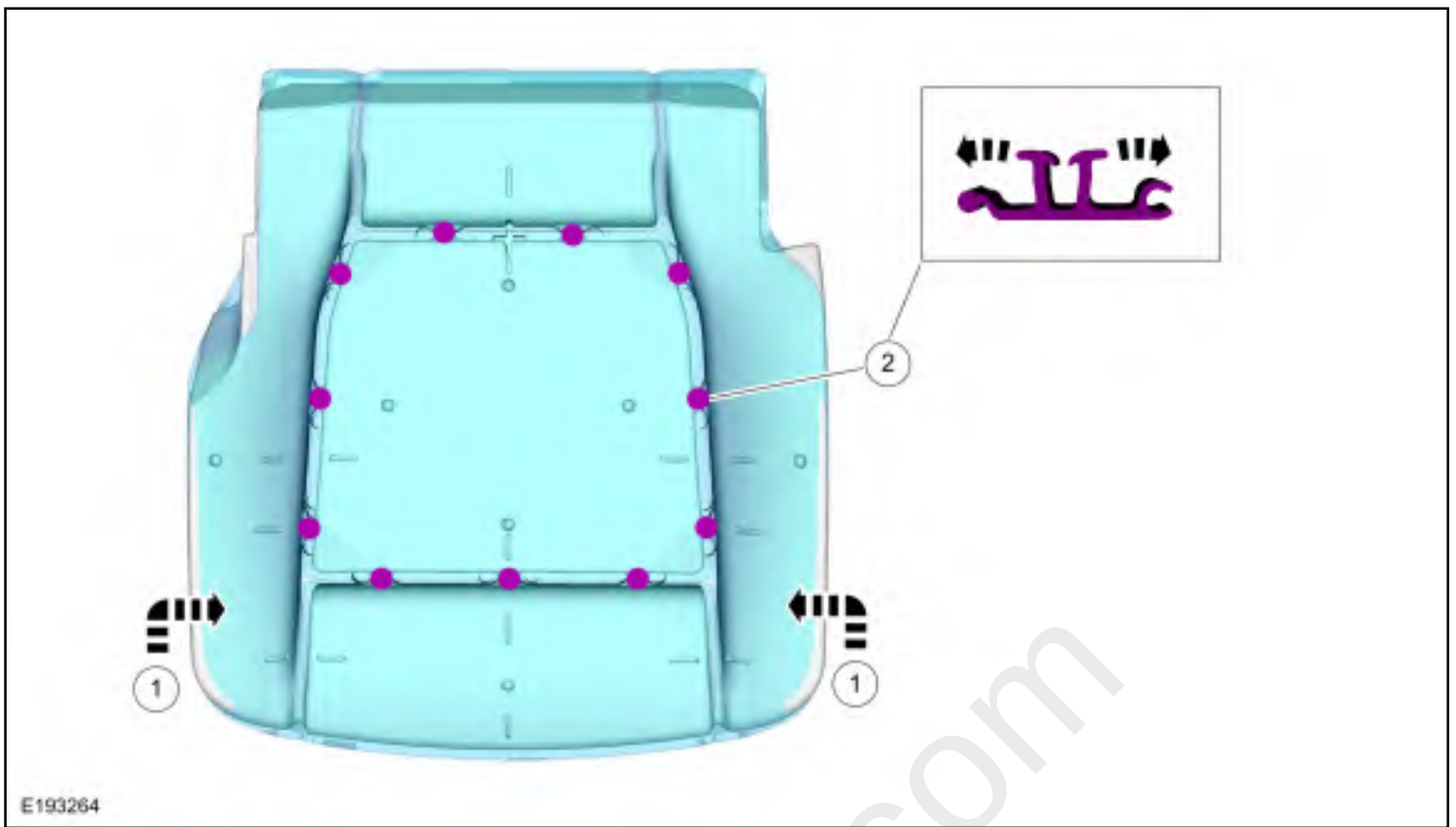


29. **NOTICE:** Use care when separating the seat cushion from the hook-and-arrow or the hook may be torn from the seat cushion foam pad.

NOTE: *This step is only necessary when installing a new component.*

Remove the seat cushion cover.

1. Invert the seat cushion cover.
2. Release the hook-and-arrows.



Installation

All seats

1. To install, reverse the removal procedure.
2. Install the front seat. **If the passenger seat has been serviced, do not prove out the SRS at this time.** Refer to: [Front Seat](#) (501-10A Front Seats, Removal and Installation).

Passenger seat

3. **⚠ 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 reset.

- **Make sure the voltage to the OCSM is greater than 8 volts and less than 18 volts.**
- **Make sure the OCS is not below 6° C (42.8° F) or above 36° C (96.7° F) when initiating the OCS 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 reset process.**
- **Prior to carrying out the OCS 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 reset. Cycle the ignition switch after the OCS reset.

4. If the first system reset attempt was successful, proceed to prove out the SRS.
5. If the first system reset attempt was not successful, carry out a thorough visual inspection of the OCS 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.
6. Carry out a second OCS reset. Cycle the ignition switch after the OCS reset. If the second attempt is unsuccessful, install a new OCS service kit.
Refer to: Occupant Classification System (OCS) Sensor - Vehicles Without: Multi-Contour Seats (501-20 Supplemental Restraint System) .
Refer to: Occupant Classification System (OCS) Sensor - Vehicles With: Multi-Contour Seats (501-20 Supplemental Restraint System) .
7. Prove out the SRS. Verify all airbags are installed and connected and the ignition is OFF. Wait 10 seconds then turn the ignition ON and monitor the airbag warning indicator. The airbag warning indicator illuminates continuously for approximately 6 seconds and turns off. Continue to monitor the airbag warning indicator for approximately 30 seconds, as this is the time required for the RCM to complete testing of the SRS.
 - If a SRS fault is present, the airbag warning indicator either fails to light, remains lit continuously or flashes. The flashing may not occur until approximately 30 seconds after the ignition has been turned from OFF to ON. If this occurs, diagnose and repair any SRS faults before proceeding with other repairs.
 - If, after the ignition has been turned on for 30 seconds, the airbag warning indicator remains unlit with no chime or SRS message displayed in the message center, no SRS fault is present.
 - If the airbag warning indicator is inoperative and a SRS fault exists, a chime sounds in a pattern of 5 sets of 5 beeps or a message displays in the message center. If this occurs, diagnose and repair the airbag warning indicator and any SRS faults before proceeding with

other repairs.

9. Using a scan tool, clear all Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules.

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