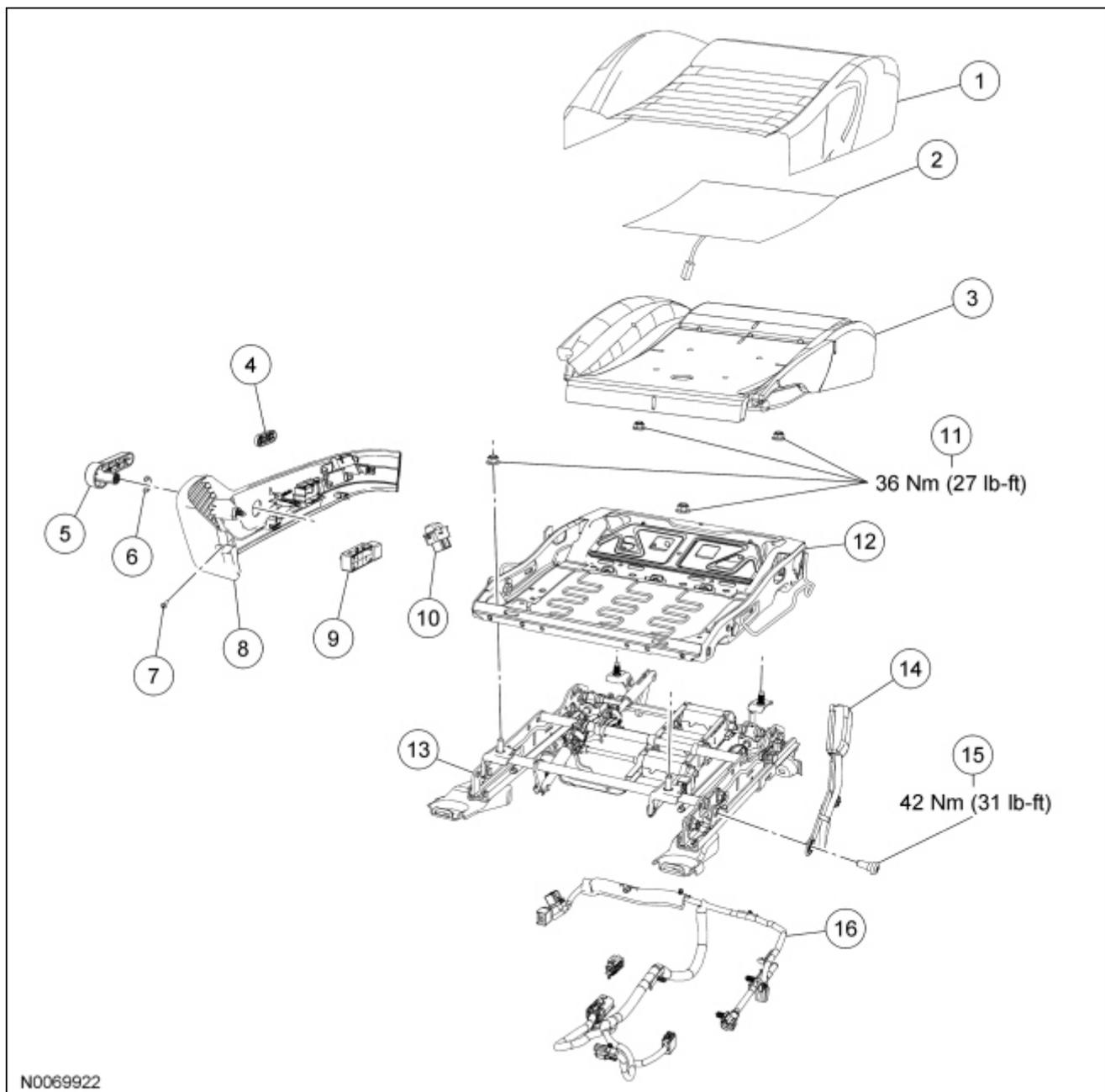


## Seat Cushion — Front

### Special Tool(s)

 <p>ST2834-A</p>	<p>Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool</p>
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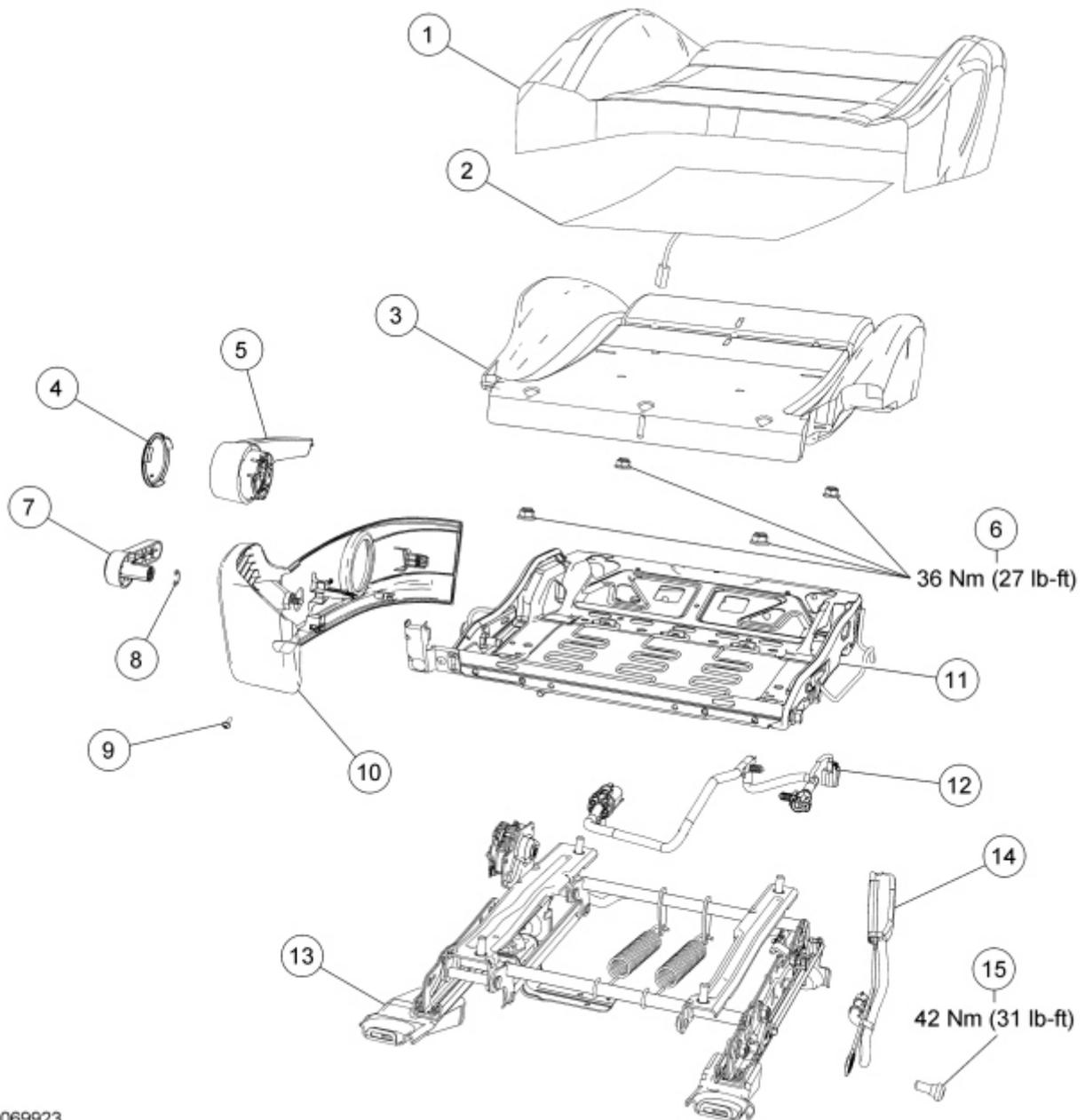
### Driver Power Front Seat Cushion



Item	Part Number	Description
1	62901	Cushion trim cover

2	14D698	Heater mat (if equipped)
3	—	Cushion foam pad
4	—	Seat control switch knob (if equipped)
5	62622	Recline handle
6	—	Recline handle clip (part of 62622)
7	—	Cushion side shield screw
8	62187	Cushion side shield
9	14A701	Seat control switch
10	619A74	Lumbar control switch (if equipped)
11	W520113	Cushion frame-to-seat track nuts
12	63101	Cushion frame
13	61701	Seat track
14	61203	Safety belt buckle
15	—	Safety belt buckle bolt (part of 61203)
16	14A699	Driver seat wire harness

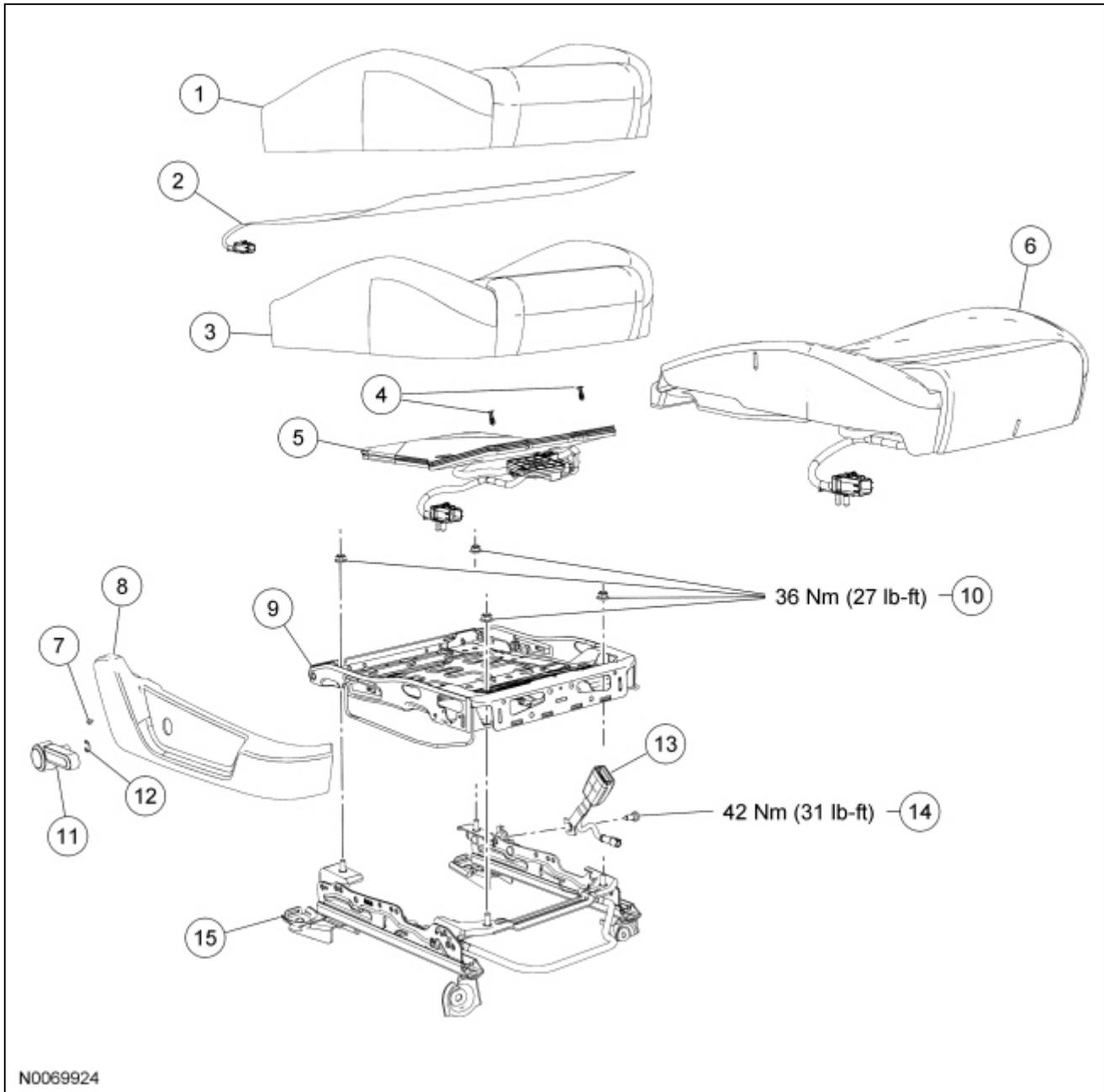
#### Driver Manual Front Seat Cushion



N0069923

Item	Part Number	Description
1	62901	Cushion trim cover
2	14D698	Heater mat (if equipped)
3	—	Cushion foam pad
4	62768	Manual height adjust handle center cover (if equipped)
5	61753	Manual height adjust handle (if equipped)
6	W520113	Cushion frame-to-seat track nuts
7	62622	Recline handle
8	—	Recline handle clip (part of 62622)
9	—	Cushion side shield screw
10	62187	Cushion side shield
11	63101	Cushion frame
12	14A699	Driver seat wire harness
13	61701	Seat track
14	61203	Safety belt buckle

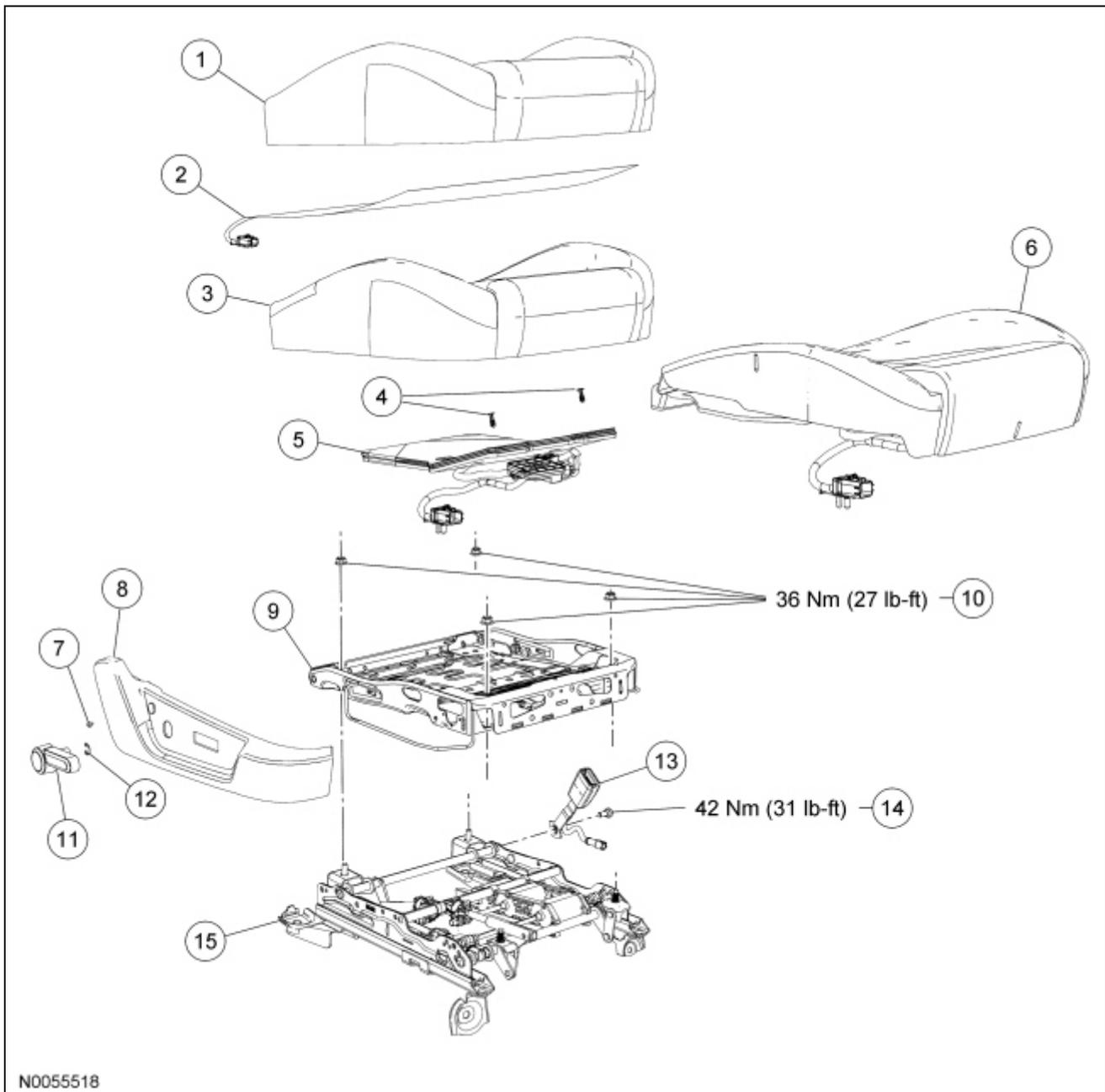
### Passenger Manual Front Seat Cushion



Item	Part Number	Description
1	62900	Cushion trim cover
2	—	Heater mat (if equipped)
3	—	Cushion foam pad
4	—	Pin-type retainers [part of OEM Occupant Classification Sensor (OCS) system]
5	—	OEM <u>OCS</u> system
6	632A22	<u>OCS</u> system service kit
7	—	Side shield screw
8	62186	Side shield
9	63100	Cushion frame

10	W520113	Cushion frame-to-seat track nuts
11	62622	Recline handle
12	—	Recline handle clip (part of 62622)
13	61203	Safety belt buckle
14	—	Safety belt buckle bolt (part of 61203)
15	618B46	Manual seat track

### Passenger Power Front Seat Cushion



Item	Part Number	Description
1	62900	Cushion trim cover
2	—	Heater mat (if equipped)
3	—	Cushion foam pad
4	—	Pin-type retainers (part of OEM Occupant Classification Sensor (OCS) system)

5	—	OEM <a href="#">OCS</a> system
6	632A22	<a href="#">OCS</a> system service kit
7	—	Side shield screw
8	62186	Side shield
9	63100	Cushion frame
10	W520113	Cushion frame-to-seat track nuts
11	62622	Recline handle
12	—	Recline handle clip (part of 62622)
13	61203	Safety belt buckle
14	—	Safety belt buckle bolt (part of 61203)
15	61701	Power seat track

## Disassembly



**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.



**WARNING:** Never probe the electrical connectors on air bag, safety canopy or side air curtain modules. Failure to follow this instruction may result in the accidental deployment of these modules, which increases the risk of serious personal injury or death.

**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:** Occupant Classification Sensor (OCS) system components [seat cushion foam pad, bladder with pressure sensor and Occupant Classification System Module (OCSM) module] are calibrated to each other and are serviced as an assembly. The [OCS](#) system components are not to be installed separately. If a new [OCS](#) system component or seat cushion foam pad are needed, a new [OCS](#) system service kit (seat cushion foam pad, bladder with pressure sensor, [OCSM](#) and seat wire harness) must be installed as an assembly.

**NOTE:** To identify between a production [OCS](#) system and an [OCS](#) system service kit, inspect the [OCSM](#) electrical connector.

A production [OCS](#) system allows the disconnection of the [OCSM](#) electrical connector.

An [OCS](#) system service kit has the electrical connector glued to the [OCSM](#), it cannot and should not be disconnected or altered.

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

**NOTE:** When installing an [OCS](#) system service kit, refer to [Section 501-20B](#) for the [OCS](#) service kit installation procedure.

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

When installing an [OCS](#) service kit equipped with heated seats, a new cushion heater mat must be installed. Do not reuse the OEM [OCS](#) driver cushion heater mat. The [OCS](#) service kit does not come with a new cushion heater mat.

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

## All seats

1. Remove the front seat. For additional information, refer to [Seat — Front](#) in this section.
2. Remove the front seat backrest. For additional information, refer to [Seat Backrest — Front](#) in this section.
3. Remove the seat track. For additional information, refer to [Seat Track — Manual](#) or [Seat Track — Power](#) in this section.
4. If equipped, disconnect the seat control switch and lumbar control switch and remove the cushion side shield.
5. If equipped, release the retainers and remove the seat control switch and the lumbar control switch from the cushion side shield.
6. If equipped, disconnect the heated seat electrical connectors.
7. Release the cushion trim cover rear J-strip.

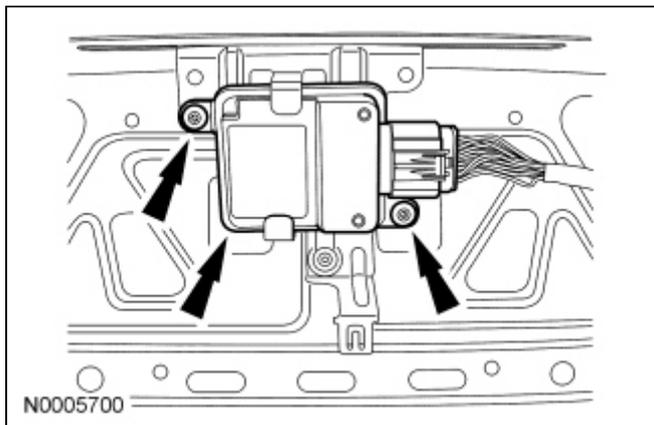
## Driver seat and passenger seat with OEM Occupant Classification Sensor (OCS) system

8. Remove the cushion foam pad and cushion trim cover from the cushion frame.

## Passenger seat

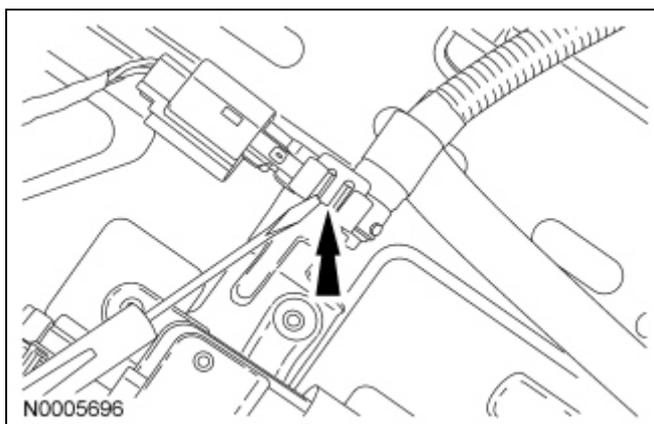
9. **NOTICE:** To prevent system failure, do not oversize the seat cushion frame holes used to rivet the Occupant Classification System Module (OCSM) in place.

Using a 5 mm (0.19 in) drill, remove the 2 rivets and separate the [OCSM](#) from the cushion frame.



10. **NOTE:** OEM [OCS](#) pressure sensor shown, [OCS](#) system service kit pressure sensor similar.

Bend to release the tab and remove the pressure sensor from the bracket.



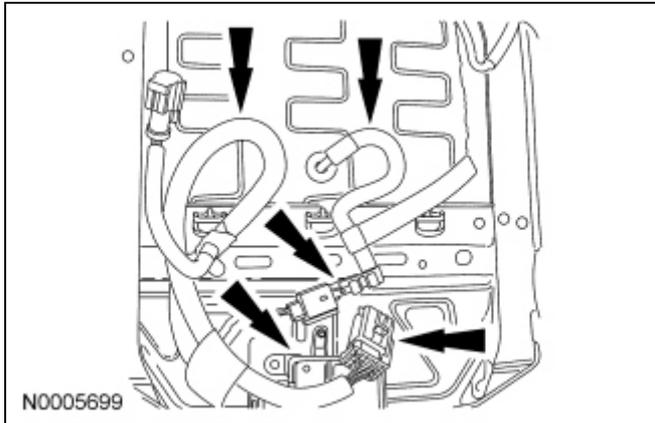
11. **NOTE:** Note all wire harness routing for correct installation.

Release any seat wire harness routing pin-type retainers from the cushion frame.

12. If equipped with OEM OCS, remove the OCS bladder pin-type retainers.

13. **NOTE:** Note the cushion frame opening that the OCS components and seat wire harness are being routed through for installation.

Remove the OCS system components and wire harness from the cushion frame.



#### All seats

14. **NOTE:** Note all wire harness routing for correct installation.

If driver seat, release any pin-type retainer(s) and remove the seat wire harness from the cushion frame.

15. **NOTICE:** Use care when separating the seat cushion trim cover from the hook-and-loop strip. The hook-and-loop strip can be torn from the seat cushion foam.

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

#### Assembly

##### All seats

1. Position the cushion trim cover to the cushion foam pad, attach the hook-and-loop strips and install the hog rings.
2. If driver seat, route the seat wire harness to the cushion frame and attach the pin-type retainer(s) as noted during removal.

##### Passenger seat

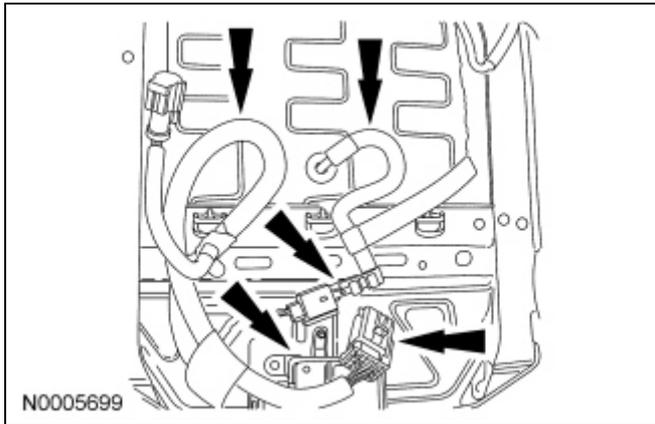
3.  **WARNING:** Install a new occupant classification sensor (OCS) system service kit as a complete assembly. Never install only part of the kit components. Failure to follow this instruction may result in incorrect operation of the OCS system and increases the risk of serious personal injury or death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

**NOTICE:** Failure to route the Occupant Classification Sensor (OCS) system seat and components through the correct seat cushion support opening can cause component failure.

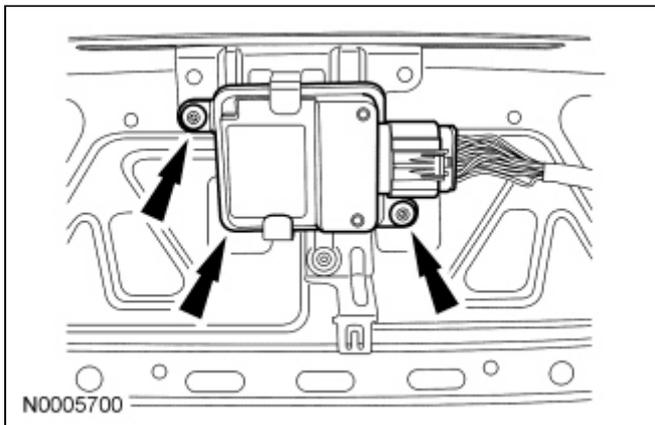
Position the OCS components and seat wire harness through the cushion frame opening as noted during removal.

- Feed the hose, pressure sensor, wire harness, electrical connectors and OCSM through the

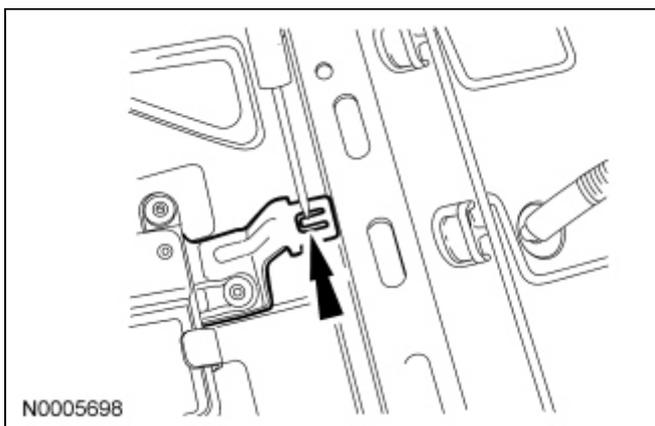
opening in the cushion frame.



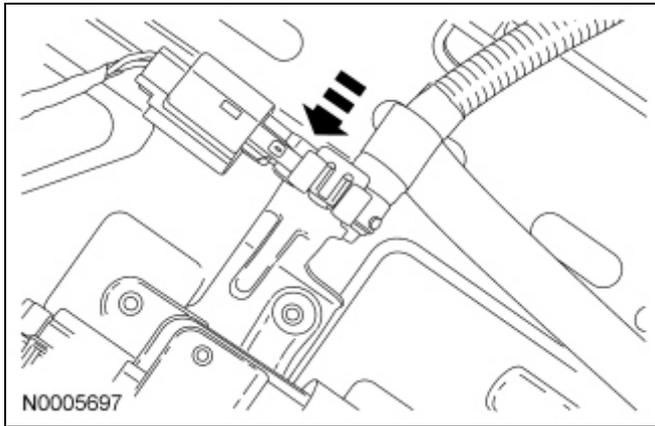
4. If equipped with OEM [OCS](#), install the [OCS](#) bladder pin-type retainers.
5. Position the [OCSM](#) onto the seat cushion pan bracket and install the new rivets.
  - The [OCSM](#) must be correctly positioned and securely riveted in place. Failure to do so can set a DTC in the [RCM](#).



6. Bend the retaining tab back on the pressure sensor bracket.



7. Install the pressure sensor onto the cushion frame bracket, making sure the retaining tab is completely engaged.
  - When installed correctly, an audible click will be heard and the pressure sensor will not be able to be removed from its bracket without disengaging the retaining tab.



8. Attach all seat wire harness routing clips and pin-type retainers to the cushion frame as noted during removal.

### All seats

9. If equipped, connect the heated seat electrical connector.
10. If equipped, install the seat control switch and the lumbar control switch into the cushion side shield.
  - Install the seat control switch knob.
11. If equipped, position the cushion side shield to the cushion frame and connect the seat control switch and lumbar control switch.
12. Position the cushion foam pad and trim cover to the cushion frame.
13. Install the seat track. For additional information, refer to [Seat Track — Manual](#) or [Seat Track — Power](#) in this section.
14. Install the seat backrest. For additional information, refer to [Seat Backrest — Front](#) in this section.
15. Install the seat. For additional information, refer to [Seat — Front](#) in this section.
16. 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

17.  **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 [OCS](#) system reset.

18. 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
19. **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

20. 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.
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