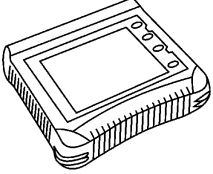
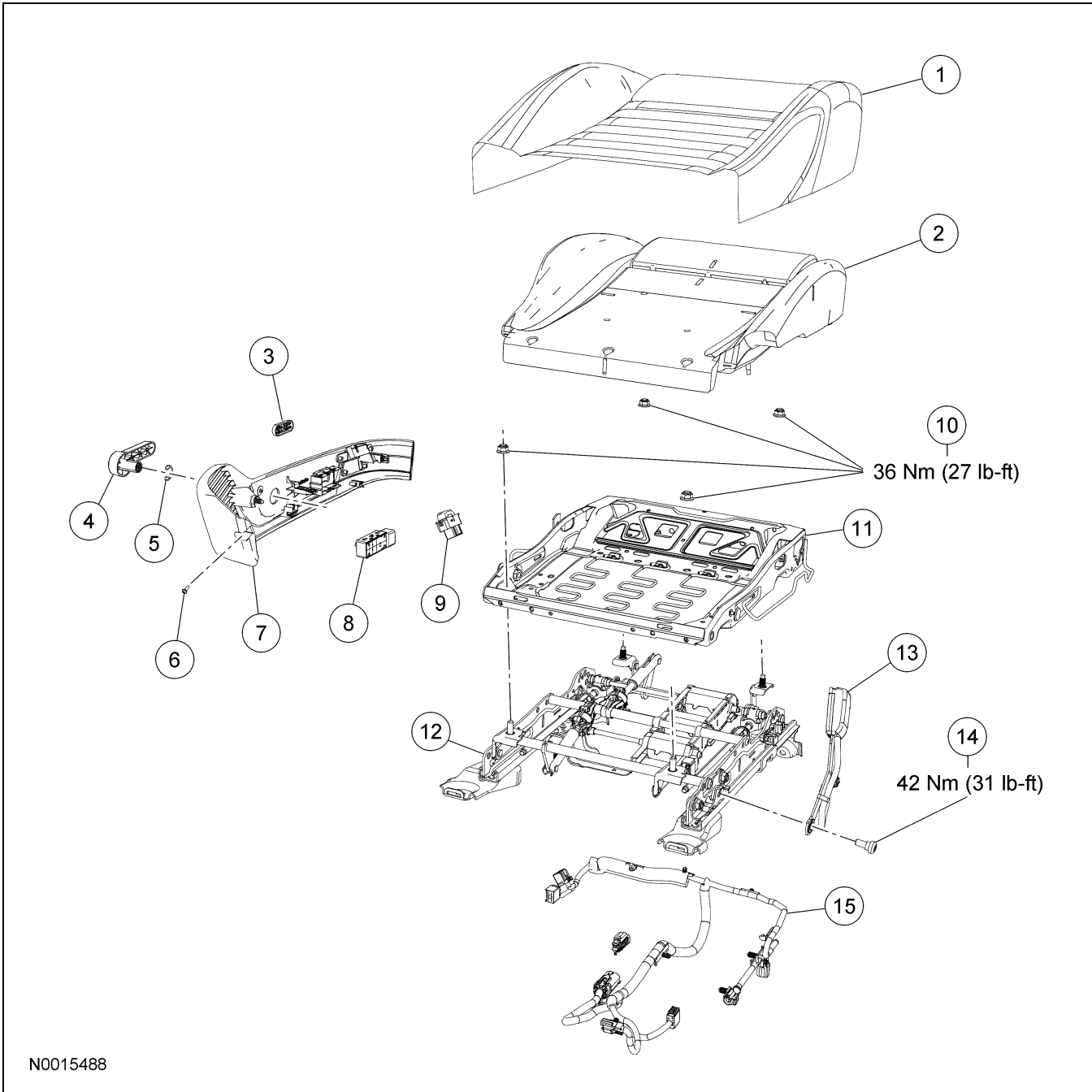

DISASSEMBLY AND ASSEMBLY**Front Seat Cushion****Special Tool(s)**

| | |
|---|---|
|  <p data-bbox="261 558 358 579">ST2332-A</p> | <p data-bbox="396 352 732 411">Worldwide Diagnostic System (WDS)</p> <p data-bbox="396 422 753 533">Vehicle Communication Module (VCM) with appropriate adapters, or equivalent diagnostic tool</p> |
|---|---|

DISASSEMBLY AND ASSEMBLY (Continued)

Driver Power Front Seat Cushion



| Item | Part Number | Description |
|------|-------------|--|
| 1 | 62901 | Cushion trim cover |
| 2 | — | Cushion foam pad |
| 3 | — | Seat control switch knob (if equipped) |
| 4 | 62622 | Recline handle |
| 5 | — | Recline handle clip (part of 62622) |
| 6 | — | Screw |
| 7 | 62187 | Cushion side shield |

(Continued)

| Item | Part Number | Description |
|------|-------------|---|
| 8 | 14A701 | Seat control switch |
| 9 | 619A74 | Lumbar control switch (if equipped) |
| 10 | W520113-S | Cushion frame-to-seat-track nuts (4 required) |
| 11 | 63101 | Cushion frame |
| 12 | 61701 | Seat track |
| 13 | 61203 | Safety belt buckle |

(Continued)

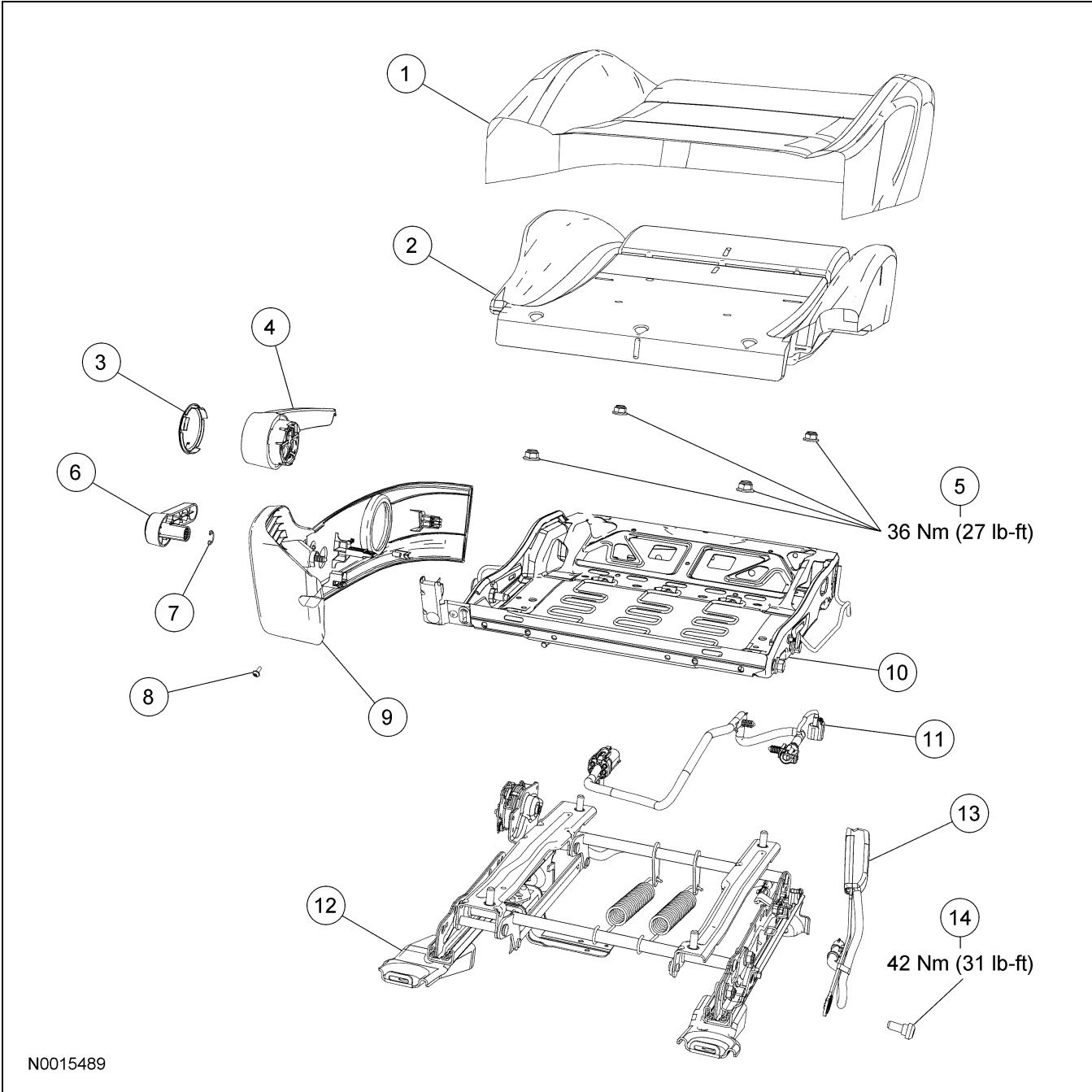
DISASSEMBLY AND ASSEMBLY (Continued)

| Item | Part Number | Description |
|------|-------------|---|
| 14 | — | Safety belt buckle bolt (part of 61203) |

| Item | Part Number | Description |
|------|-------------|--------------------------|
| 15 | 14A699 | Driver seat wire harness |

(Continued)

Driver Manual Front Seat Cushion



| Item | Part Number | Description |
|------|-------------|--|
| 1 | 62901 | Cushion trim cover |
| 2 | — | Cushion foam pad |
| 3 | 62768 | Manual height adjust handle center cover (if equipped) |

| Item | Part Number | Description |
|------|-------------|---|
| 4 | 61753 | Manual height adjust handle (if equipped) |
| 5 | W520113-S | Cushion frame-to-seat-track nuts (4 required) |

(Continued)

(Continued)

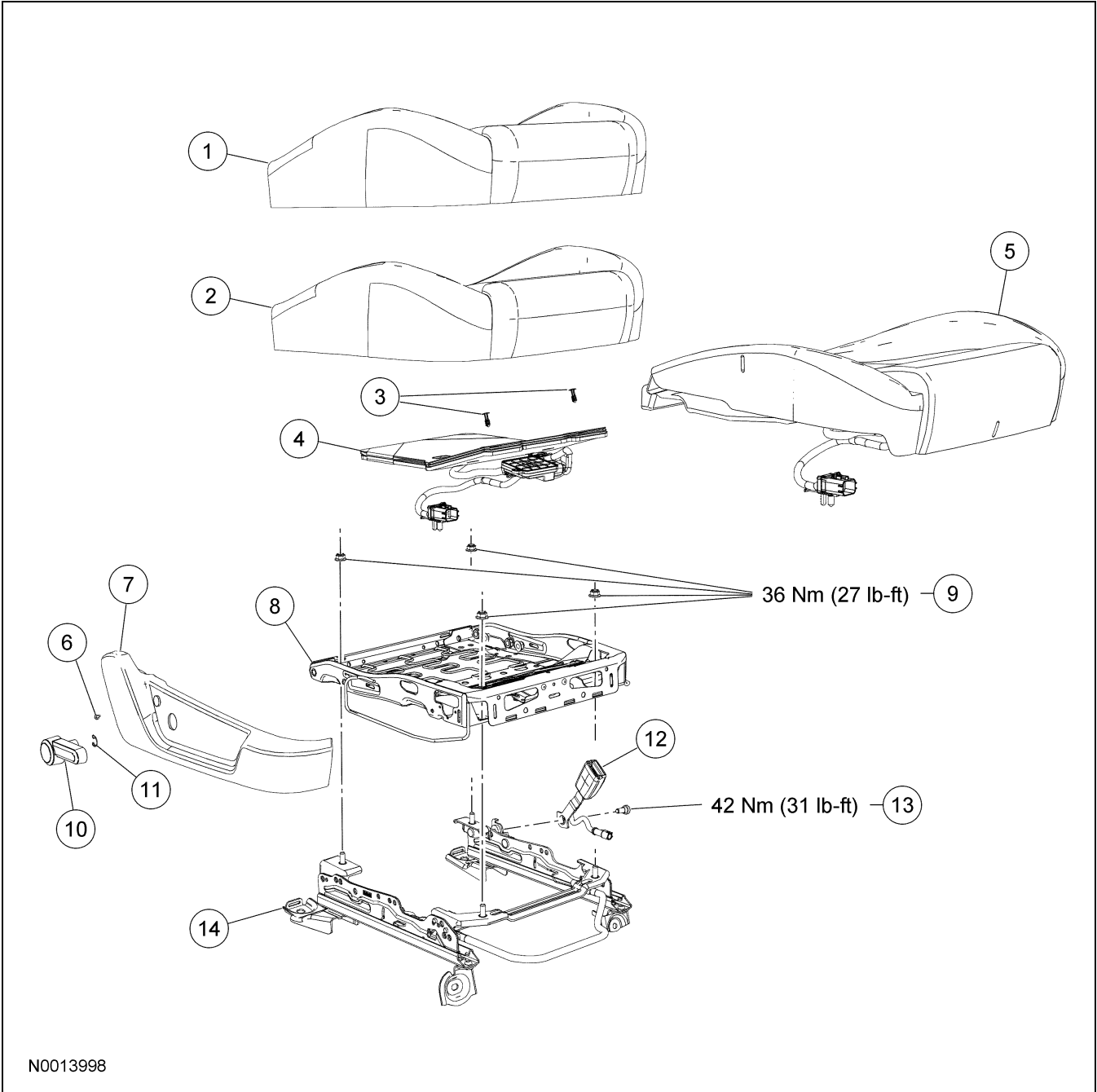
DISASSEMBLY AND ASSEMBLY (Continued)

| Item | Part Number | Description |
|------|-------------|-------------------------------------|
| 6 | 62622 | Recline handle |
| 7 | — | Recline handle clip (part of 62622) |
| 8 | — | Screw |
| 9 | 62187 | Cushion side shield |
| 10 | 63101 | Cushion frame |

| Item | Part Number | Description |
|------|-------------|---|
| 11 | 14A699 | Driver seat wire harness |
| 12 | 61701 | Seat track |
| 13 | 61203 | Safety belt buckle |
| 14 | — | Safety belt buckle bolt (part of 61203) |

(Continued)

Passenger Front Seat Cushion



DISASSEMBLY AND ASSEMBLY (Continued)

| Item | Part Number | Description |
|------|-------------|---|
| 1 | 62900 | Cushion trim cover |
| 2 | — | Cushion foam pad (part of original equipment [OE] occupant classification sensor [OCS]) |
| 3 | — | Pin-type retainers (part of OE OCS) |
| 4 | — | OE OCS |
| 5 | 632A22 | OCS service kit |
| 6 | — | Screw |
| 7 | 62186 | Side shield |
| 8 | 63100 | Cushion frame |
| 9 | W520113-S | Cushion frame-to-seat-track nuts (4 required) |
| 10 | 62622 | Recline handle |
| 11 | — | Recline handle clip (part of 62622) |
| 12 | 61203 | Safety belt buckle |
| 13 | — | Safety belt buckle bolt (part of 61203) |
| 14 | 618B46 | Seat track |

Disassembly

⚠ 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.

⚠ WARNING: Do not separate the occupant classification sensor (OCS) system components.

⚠ WARNING: Never probe the connectors on the air bag module. Doing so can result in air bag deployment, which can result in personal injury.

⚠ 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: OCS system components (seat cushion foam pad, bladder with pressure sensor and electronic control unit) 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, OCS system component or seat cushion foam pad are needed, a new OCS system service kit (seat cushion foam pad, bladder with pressure sensor, electronic control unit and seat wire harness) must be installed as an assembly.

NOTE: To identify between a production OCS system and a service OCS system (OCS service kit), inspect the electronic control unit (ECU) electrical connector. A production OCS system allows the disconnection of the ECU electrical connector. A service OCS system (OCS service kit) has the ECU electrical connector glued to the ECU. It cannot and should not be disconnected or altered.

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.

NOTE: When installing a new occupant classification sensor (OCS) service kit, refer to Section 501-20B for the OCS service kit installation procedure.

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.

DISASSEMBLY AND ASSEMBLY (Continued)

4. Remove the front seat backrest. For additional information, refer to Front Seat Backrest in this section.
5. Remove the seat track. For additional information, refer to Seat Track — Manual or Seat Track — Power in this section.

Power driver seat

6. Disconnect the seat control switch and lumbar control switch and remove the cushion side shield.
7. Release the retainers and remove the seat control switch and the lumbar control switch from the cushion side shield.


Manual driver and all passenger seats

8. Release the cushion trim cover rear J-strip.

Driver seat and passenger seat with original equipment (OE) occupant classification sensor (OCS)

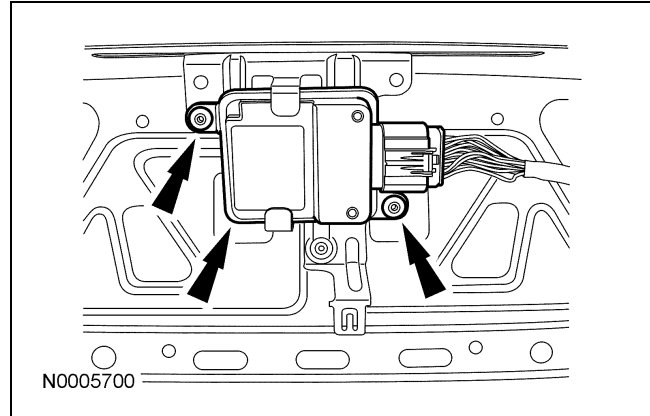
9. Remove the cushion foam pad and cushion trim cover from the cushion frame.

Passenger seats (with OE OCS or OCS service kit)

10.  **CAUTION: Do not oversize the seat cushion frame holes used to rivet the electronic control unit (ECU) in place.**

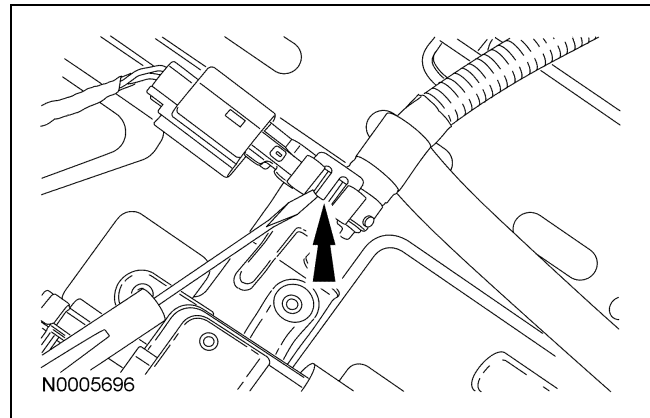
NOTE: OE ECU shown, service kit OCS similar.

Using a 5-mm (3/16-inch) drill, remove the 2 rivets and separate the ECU from the cushion frame.



11. **NOTE:** OE OCS pressure sensor shown, service kit OCS pressure sensor similar.

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



12. **NOTE:** Note wire harness routing for installation.

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

Passenger seat with OE OCS

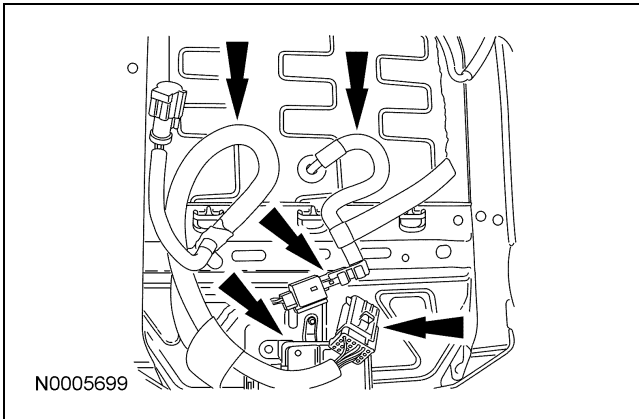
13. Remove the OCS bladder pin-type retainers.

DISASSEMBLY AND ASSEMBLY (Continued)**Passenger seats (with OE OCS or OCS service kit)**

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

Remove the OCS and seat wire harness from the cushion frame.

- Feed the hose, pressure sensor, wire harness, electrical connectors and ECU through the opening in the cushion frame.

**Driver seat**

15. **NOTE:** Note wire harness routing for installation.

Release any pin-type retainer(s) and remove the seat wire harness from the cushion frame.

All seats

16. **⚠ 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.

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.


Driver seat


2. Route the seat wire harness to the cushion frame and attach the pin-type retainer(s) as noted during removal.


DISASSEMBLY AND ASSEMBLY (Continued)

Passenger seats (with OE OCS or OCS service kit)

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

 **CAUTION:** Inspect the occupant classification sensor assembly, seat cushion frame and support assembly for any foreign objects, before installing the occupant classification sensor assembly to the seat cushion frame. If any foreign objects are found, remove them. Failure to do so may result in personal injury, in the event of an air bag deployment.

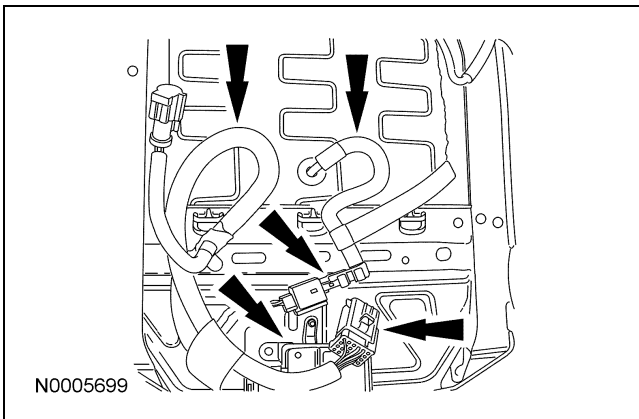
 **CAUTION:** Failure to route the seat occupant sensor components through the correct seat cushion support opening can cause component failure.

 **CAUTION:** While positioning the seat cushion frame and occupant classification sensor assembly, be careful not to damage any of the components. Failure to do so can result in component failure.

NOTE: If the original equipment occupant classification sensor (OCS) is not being installed, install a service kit OCS using all parts in the kit.

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 ECU through the opening in the cushion frame.

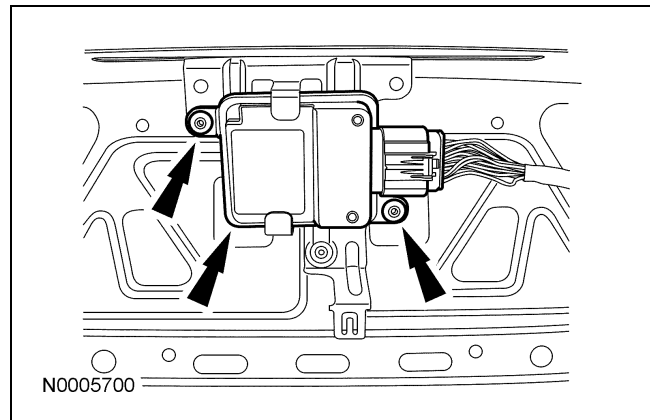


Passenger seat with OE OCS

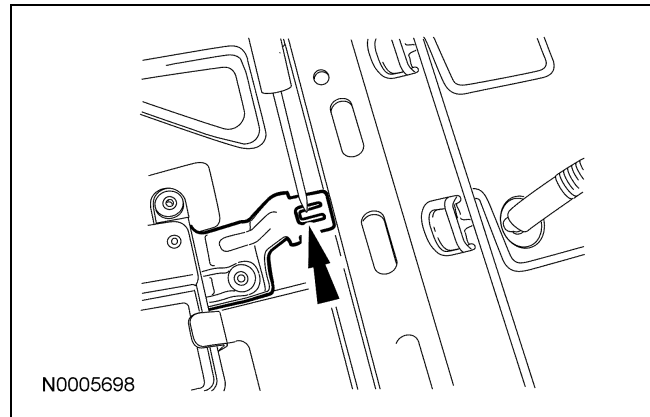
4. Install the OCS bladder pin-type retainers.

Passenger seats (with OE OCS or OCS service kit)

5. Position the ECU onto the seat cushion pan bracket and install the new rivets.
- The ECU must be correctly positioned and securely riveted in place. Failure to do so can set a diagnostic trouble code (DTC) in the restraints control module (RCM).

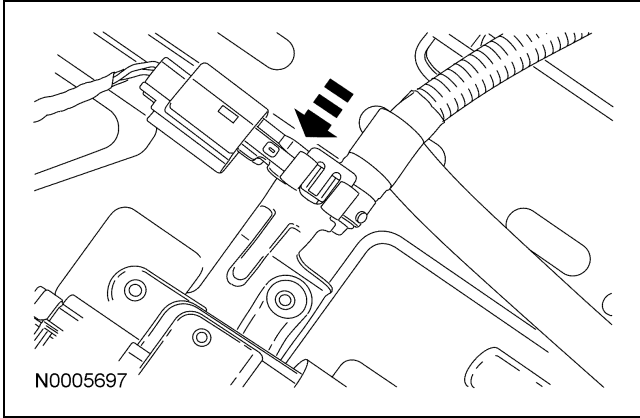


6. Bend the retaining tab back on the pressure sensor bracket.



DISASSEMBLY AND ASSEMBLY (Continued)

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 any seat wire harness routing pin-type retainers to the cushion frame as noted during removal.

Power driver seat

9. Install the seat control switch and the lumbar control switch into the cushion side shield.
 - Install the seat control switch knob.

10. Position the cushion side shield to the cushion frame and connect the seat control switch and lumbar control switch.


All seats

11. Position the cushion foam pad and trim cover to the cushion frame.
12. Install the seat track. For additional information, refer to Seat Track — Manual or Seat Track — Power in this section.
13. Install the seat backrest. For additional information, refer to Front Seat Backrest in this section.
14. Install the seat. For additional information, refer to Front Seat in this section.
15. 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.


DISASSEMBLY AND ASSEMBLY (Continued)

Passenger seats (with OE OCS or OCS service kit)

16.  **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.

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

Cycle the ignition switch from ON to OFF.

DISASSEMBLY AND ASSEMBLY (Continued)**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 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.
