



**FORD PERFORMANCE**

## M-3600-F15RRD/ROD Raptor Steering Wheel Kit

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Please visit [www.performanceparts.ford.com](http://www.performanceparts.ford.com) for the most current instruction and warranty information.

**PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD PERFORMANCE TECHLINE AT 1-800-367-3788**

### Steering Wheel Removal

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

**NOTE:** High series heated steering wheel shown, all others similar.

**NOTE:** Make sure the wheels are in the straight ahead position.

1. Remove the driver airbag module

### Driver airbag module 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.

1. Depower the SRS.

### Supplemental Restraint System (SRS) Depowering

1. **WARNING:** Incorrect repair techniques or actions can cause an accidental Supplemental Restraint System (SRS) deployment. Never compromise or depart from these instructions. Failure to precisely follow all instructions could result in serious personal injury from an accidental deployment.
2. Determine if a SRS fault is present. Turn the ignition OFF and 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 then 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.

Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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3.
  - 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.

### No SRS Fault Present (with ignition ON, airbag warning indicator stays off after prove out)

4.  **WARNING: Turn the ignition OFF and wait one minute to deplete the backup power supply. Ignition must remain OFF until repair is complete. Failure to follow this instruction may result in serious personal injury or death in the event of an accidental deployment.**

Turn the ignition OFF and wait one minute before continuing vehicle service.

### SRS Fault Present

5. Turn the ignition OFF.
6. Remove the RCM fuse and, if equipped, BECMB fuse(s). Refer to Wiring Diagram Cell 11/Section 700-01 for fuse and relay information.
7. Turn the ignition ON.
8. Using a diagnostic scan tool, carry out a Network Test. Verify that the RCM and, if equipped, BECMB does not respond to the Network Test. If the RCM or BECMB pass the Network Test, remove the correct RCM or BECMB fuse and repeat the Network Test to verify before proceeding.
9. Turn the ignition OFF.
11. Disconnect the battery.
12. Wait at least one minute before continuing vehicle service.

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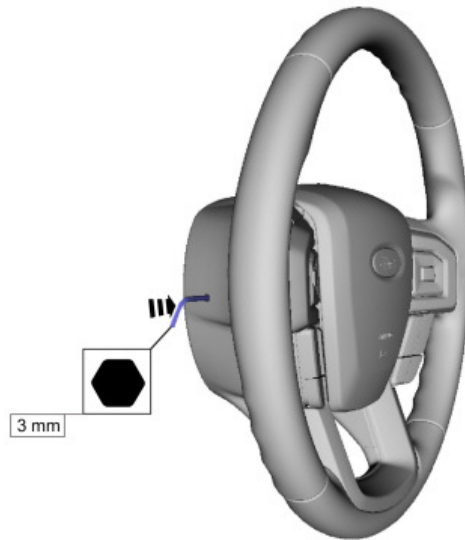
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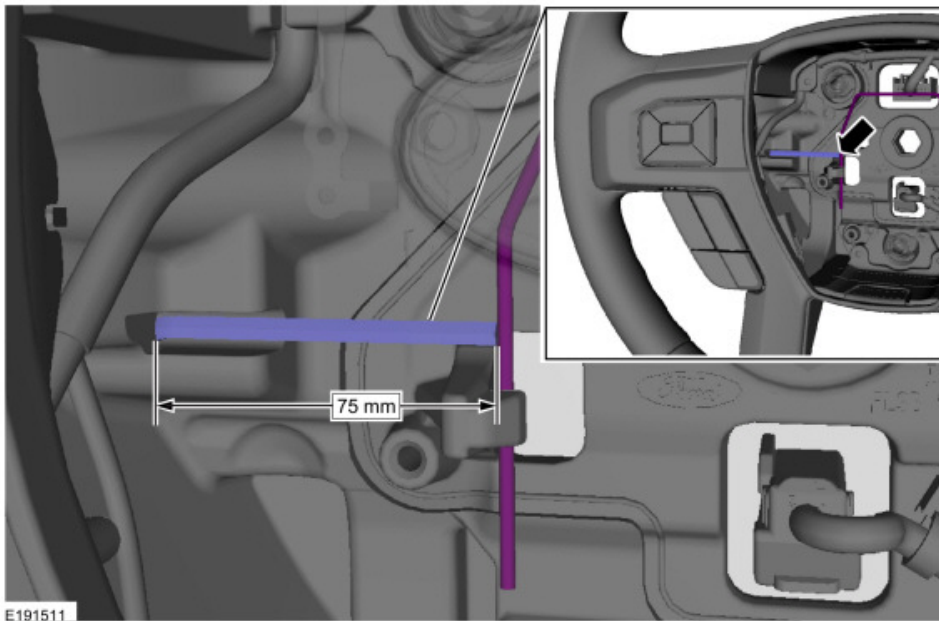
### Driver air bag removal continued

2. At the side of the steering wheel cover, locate the hole and insert a 3 mm (0.125 inch) Allen key.



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3. **NOTE:** *The driver airbag has been removed for clarity. Contact the Allen key to the spring clip.*
  - The guide will self-align the Allen key to the spring clip.



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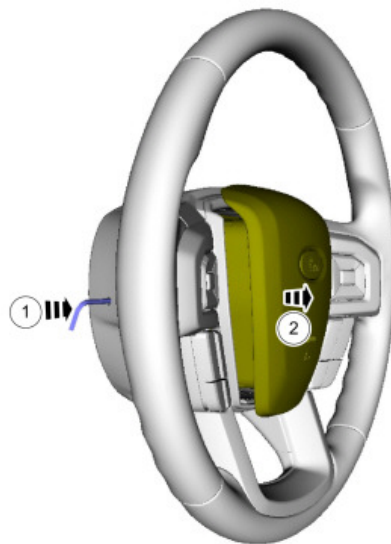
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4.

1. Push in on the steering wheel spring clip to release the driver airbag retainer.
2. Pull the driver airbag out and separate it from the steering wheel.



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5. At the side of the steering wheel cover, locate the hole and insert a 3 mm (0.125 inch) Allen key.



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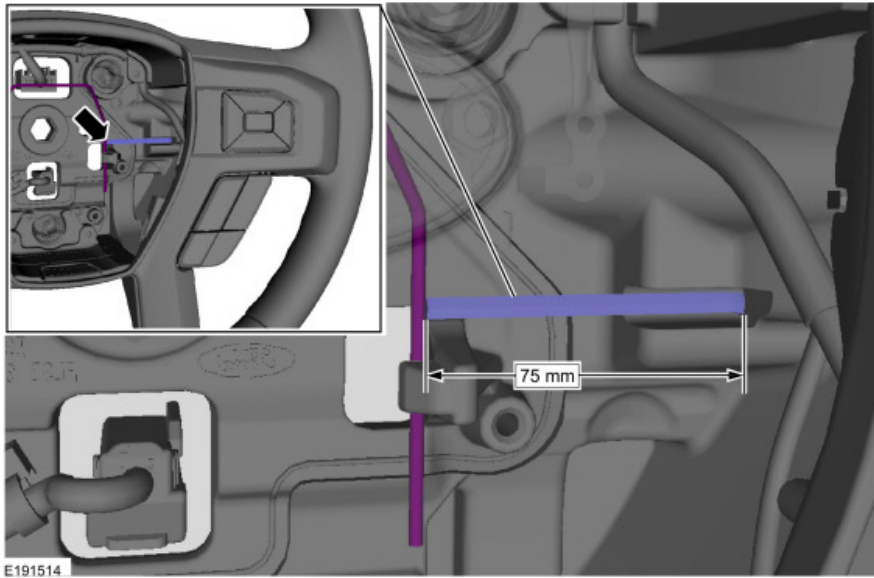
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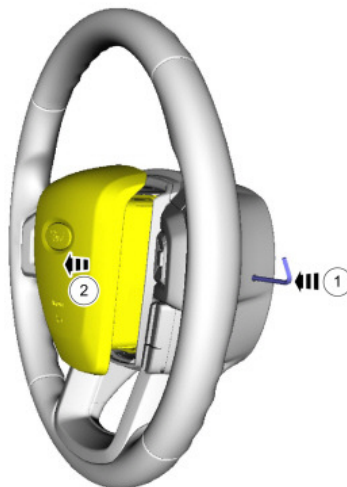
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6. **NOTE:** *The driver airbag has been removed for clarity.*

Angle the inserted end of the Allen key up and toward the front of the vehicle for ideal contact with the spring clip.



- 7.
1. Push in on the steering wheel spring clip to release the driver airbag retainer.
  2. Pull the driver airbag out and separate it from the steering wheel.



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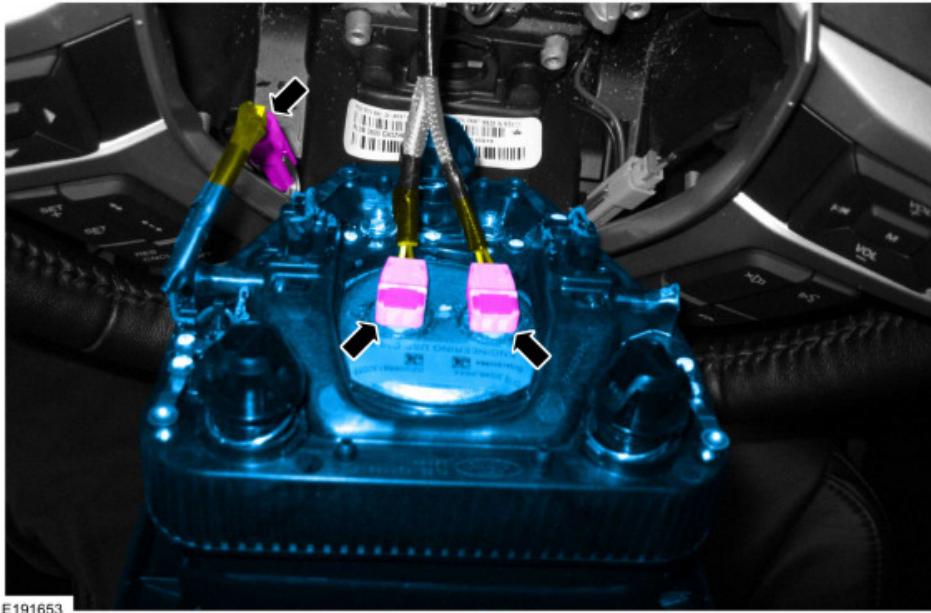


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## M-3600-FI5RRD/ROD Raptor Steering Wheel Kit

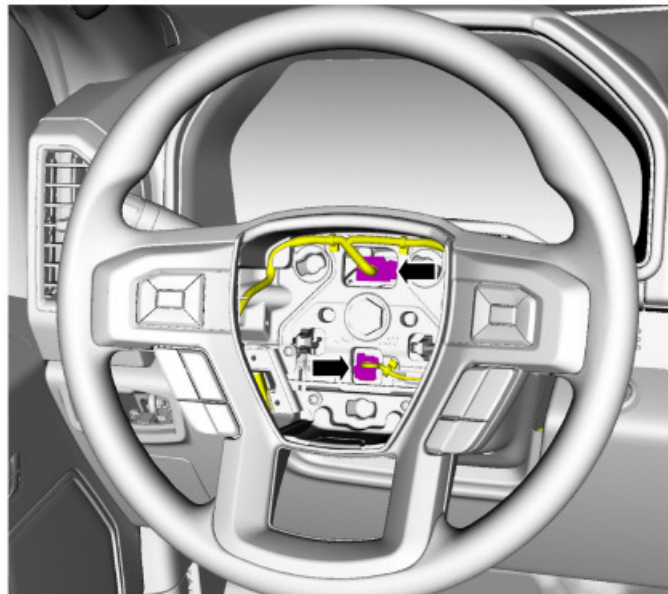
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8. Disconnect the 3 driver airbag electrical connectors and remove the driver airbag.



### Steering wheel removal continued

2. Disconnect the steering wheel electrical connector(s).



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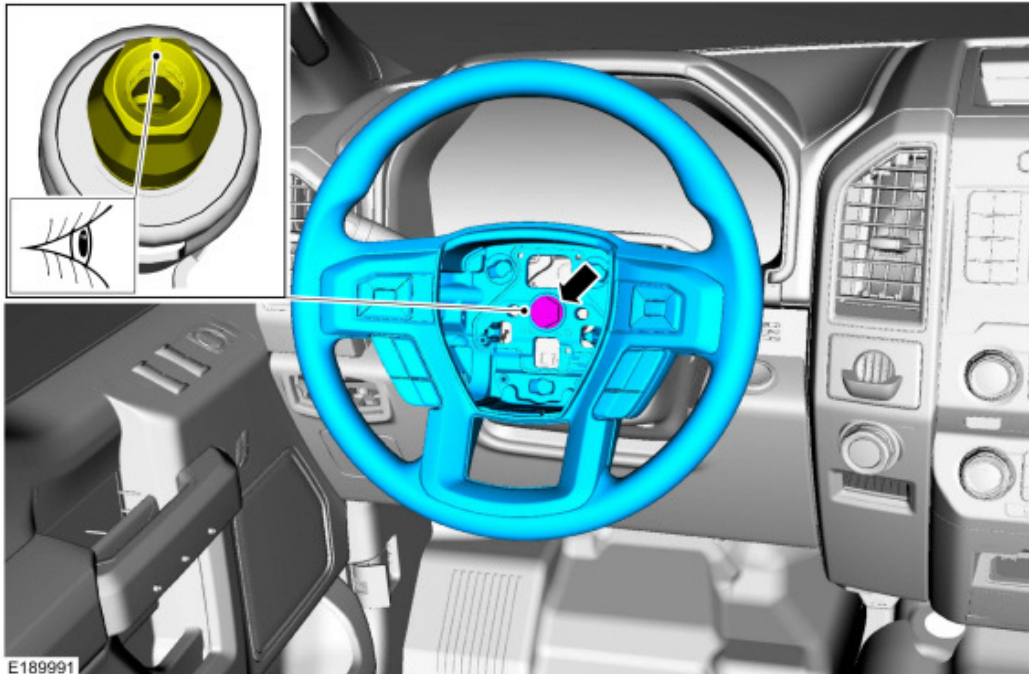
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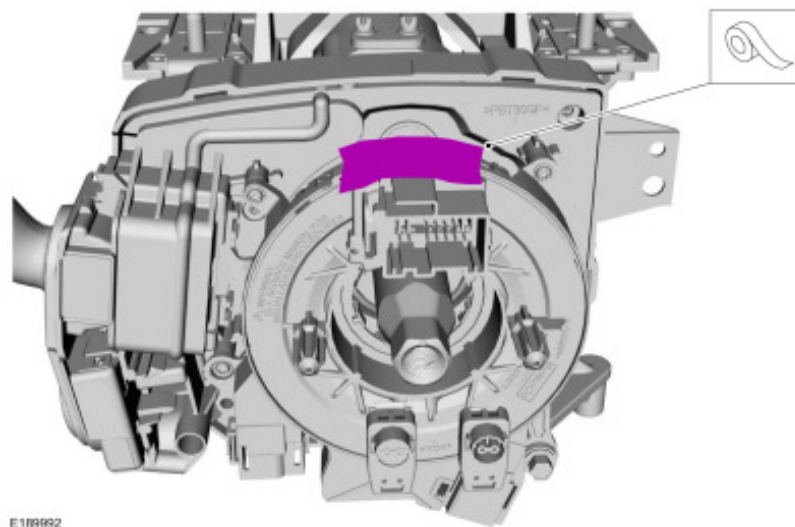
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3. **NOTE:** Make sure the tick-mark on the end of the steering column shaft is on the top position.

Remove the steering wheel bolt and the steering wheel.  
Torque: 41 lb.ft (55 Nm)



4. Tape the clock-spring rotor to the outer housing to keep it from rotating.



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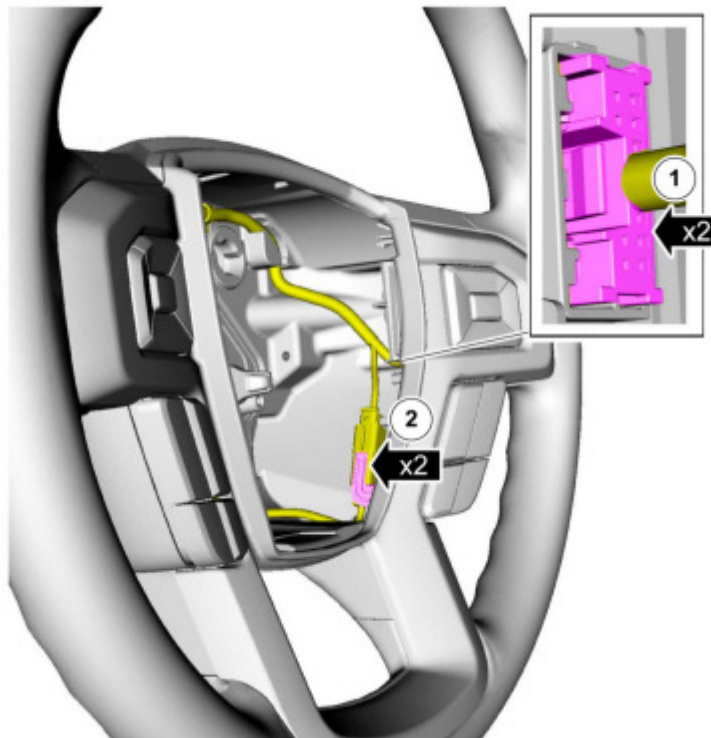
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### Steering Wheel Multifunction Switch Removal

**NOTE:** *High series shown, others similar.*

1. Remove the driver airbag.
2.
  1. On both sides, disconnect the electrical connector.
  2. On both sides, detach the wire harness from the bezel.



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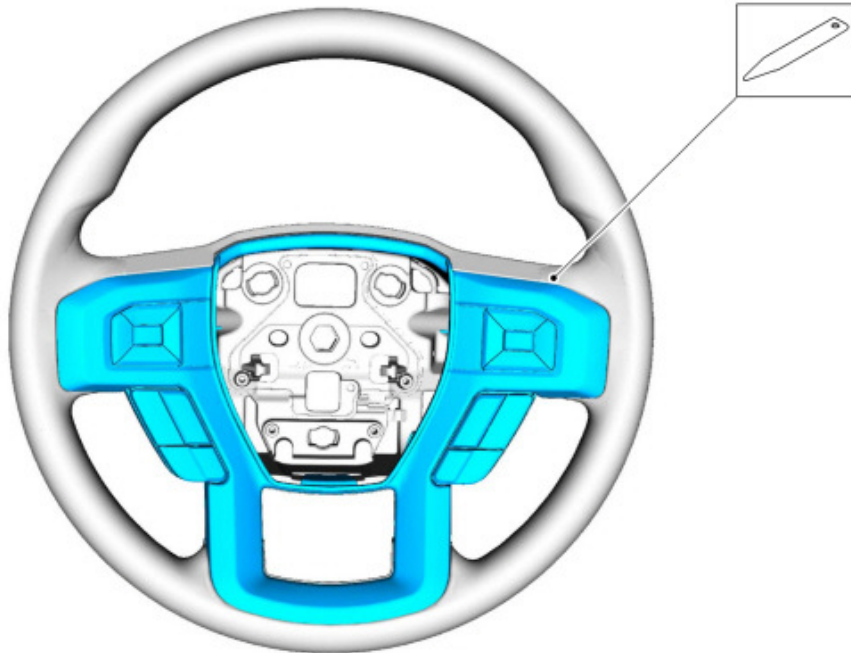


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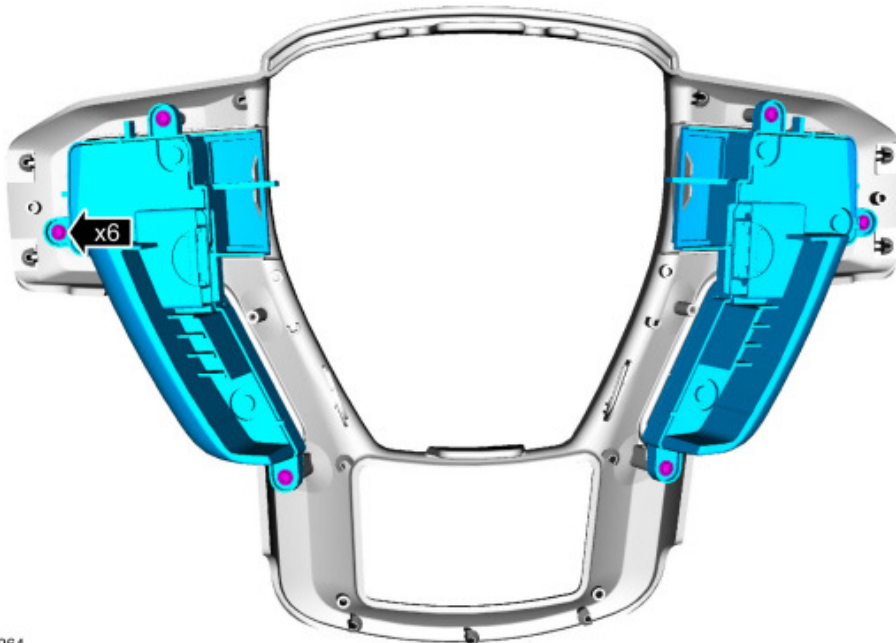
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3. Using a suitable flat-bladed tool, remove the steering wheel switch bezel.



4. Remove the screws and the steering wheel multifunction switches.



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### Multifunction switch Installation

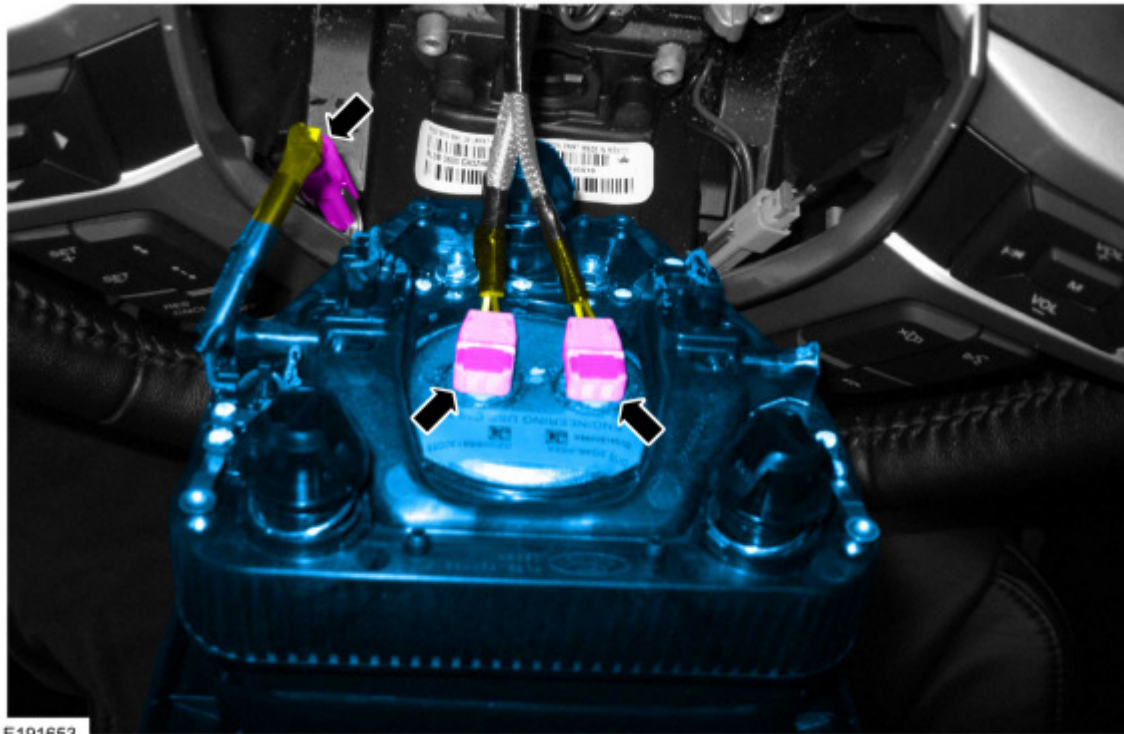
1. To install, reverse the removal procedure.

### Steering Wheel Installation

1. To install, reverse the removal procedure.

### Air Bag Installation

1. Connect the 3 driver airbag electrical connectors.



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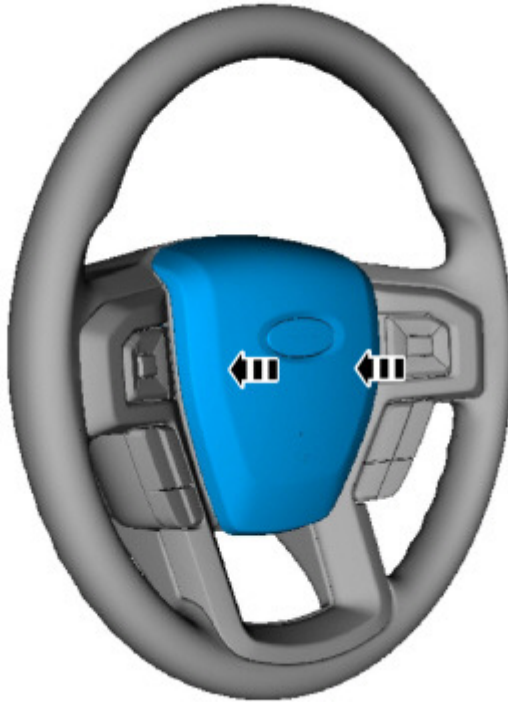


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2. Align the driver airbag to the steering wheel and push in, engaging the driver airbag retainers to the spring clips.



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3. Repower the SRS.

### Supplemental Restraint System (SRS) Repowering

**⚠ WARNING:** Incorrect repair techniques or actions can cause an accidental Supplemental Restraint System (SRS) deployment. Never compromise or depart from these instructions. Failure to precisely follow all instructions could result in serious personal injury from an accidental deployment.

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

1. **⚠ WARNING:** Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

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### **No SRS Fault Present At Beginning of Repair**

2. 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.
3.
  - 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.

### **SRS Fault Present At Beginning of Repair**

4. Verify the ignition is OFF.
5. Install the RCM and, if equipped, BECMB fuse(s). Refer to Wiring Diagram Cell 11/Section 700-01 for fuse and relay information.
6. Connect the battery.
7. Sit in the driver seat in an upright position. Make sure no objects are between you and any pyrotechnic device. Move the driver seat to the rearmost position to maintain the maximum possible distance from the driver airbag.
8. Turn the ignition from OFF to ON.
9. 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 then 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.
10.
  - 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.

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- 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.

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

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