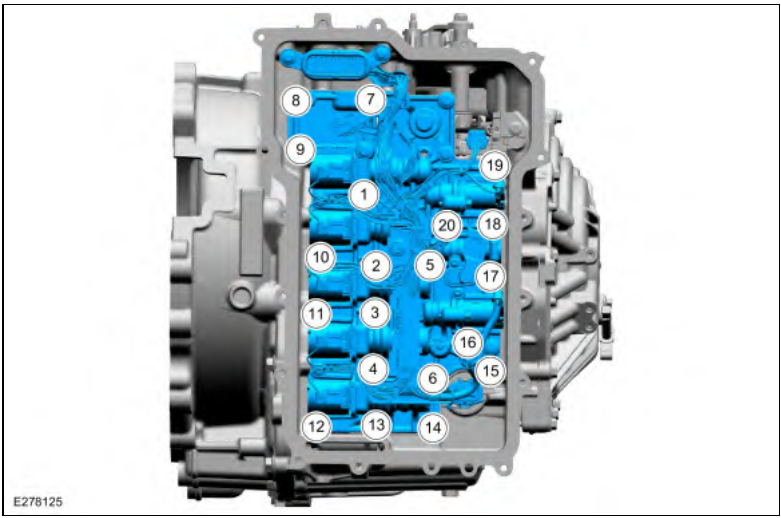
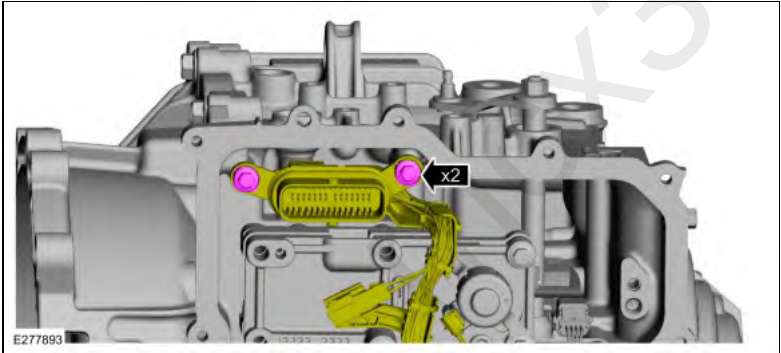


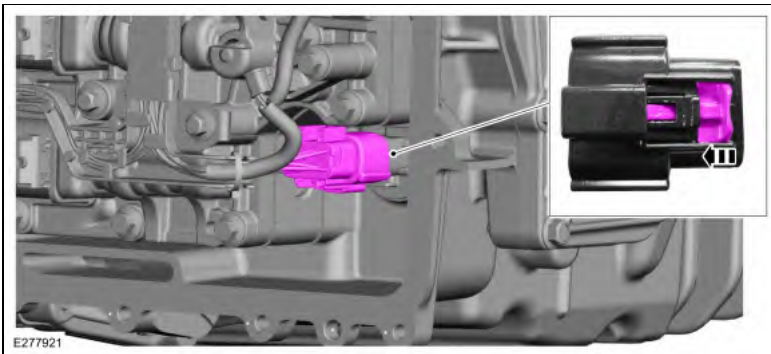


2. Install the transmission wiring harness bolts.
Torque: 89 lb.in (10 Nm)

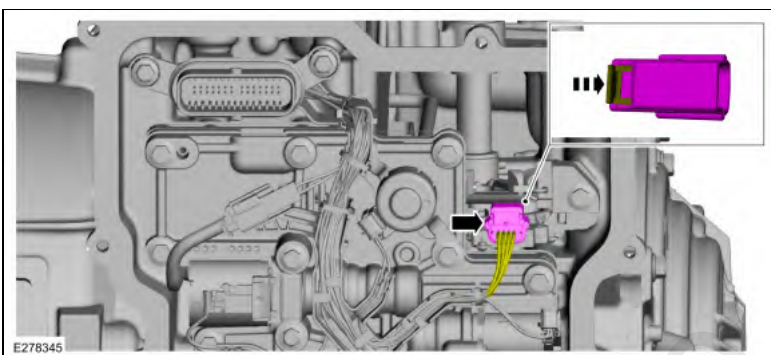


3. Connect and lock the bulkhead electrical connector.

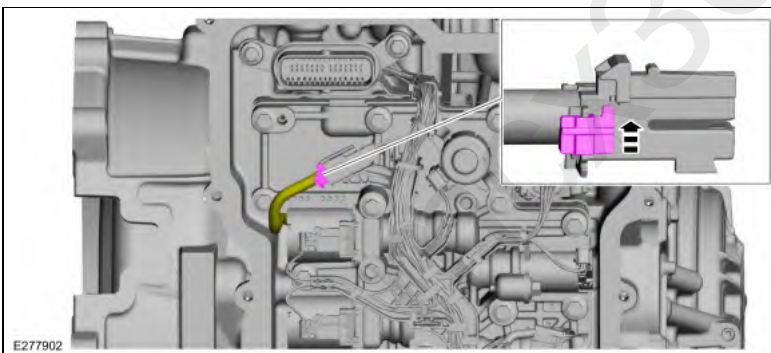




4. Connect and lock the TR sensor electrical connector.



5. Connect and lock the OSS sensor electrical connectors.



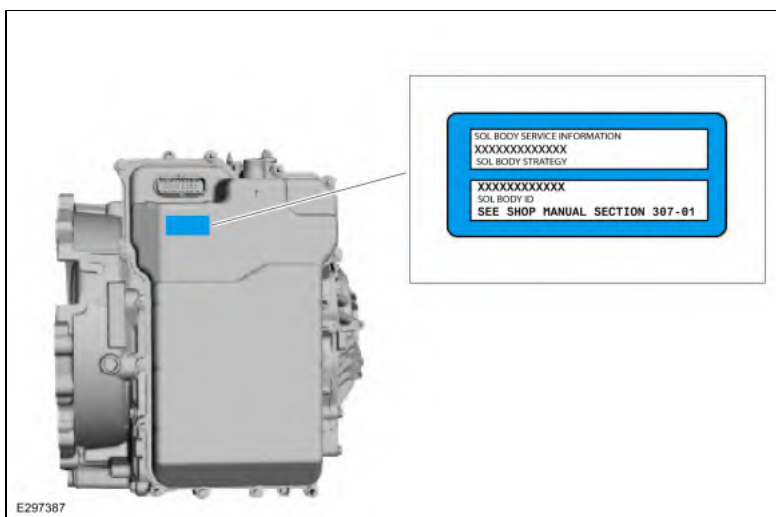
6. Install the main control cover.

Refer to: Main Control Cover (307-01B Automatic Transmission - 8-Speed Automatic Transmission â€” 8F57, Removal and Installation).

7. If a replacement transmission assembly is being installed or a new main control valve body is installed, the PCM must be reflashed with a new solenoid body strategy and identification data file.

Refer to: Transmission Strategy Download (307-01B Automatic Transmission - 8-Speed Automatic Transmission â€” 8F57, General Procedures).

8. If a new main control valve body is installed, install a new solenoid body identification tag.

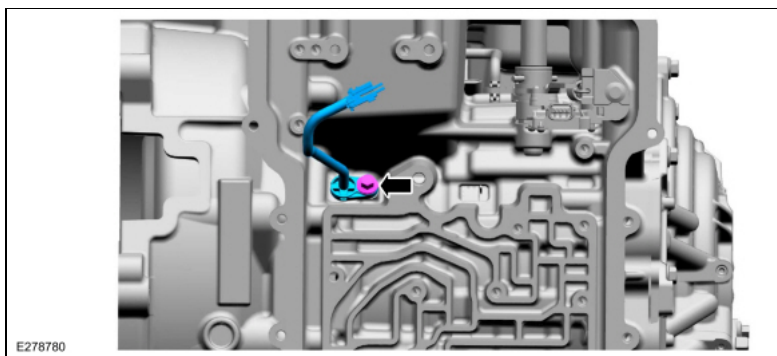


A horizontal bar chart with six bars of equal length, stacked vertically. The bars are colored cyan, green, brown, yellow, purple, and light blue from top to bottom. The chart is positioned on the left side of the slide, with a large white rectangular area to its right.

Output Shaft Speed (OSS) Sensor

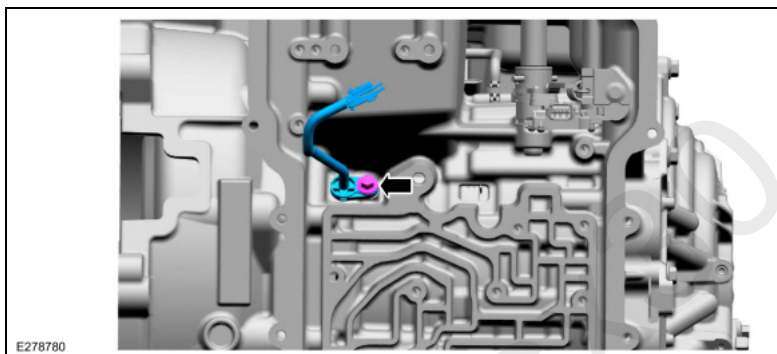
Removal

1. Remove the main control valve body.
Refer to: Main Control Valve Body (307-01B Automatic Transmission - 8-Speed Automatic Transmission â€” 8F57, Removal and Installation).
2. Remove the bolt and the OSS sensor.



Installation

1. Install the OSS sensor and the bolt.
Torque: 97 lb.in (11 Nm)

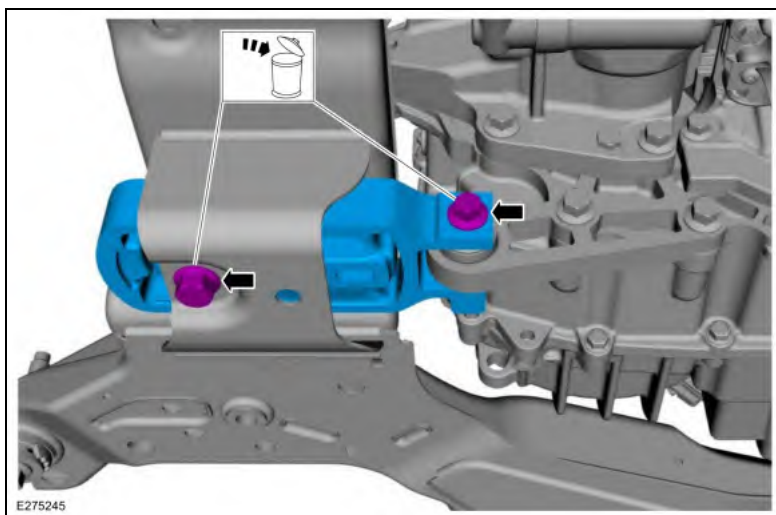


2. Install the main control valve body.
Refer to: Main Control Valve Body (307-01B Automatic Transmission - 8-Speed Automatic Transmission â€” 8F57, Removal and Installation).

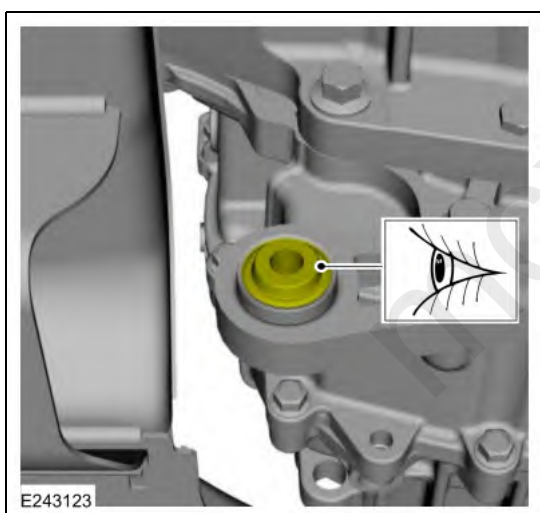
Roll Restrictor RH

Removal

1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Remove the LH exhaust flexible pipe.
Refer to: Exhaust Flexible Pipe (309-00B Exhaust System - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
3. Remove and discard the bolts and remove the roll restrictor.



4. Inspect the roll restrictor bracket bushing for damage.



Installation

1. Install the roll restrictor and new bolts.
 1. Install a new roll restrictor-to-subframe bolt.
Torque: 129 lb.ft (175 Nm)
 2. Install a new roll restrictor-to-roll restrictor bracket bolt.
Torque: 85 lb.ft (115 Nm)