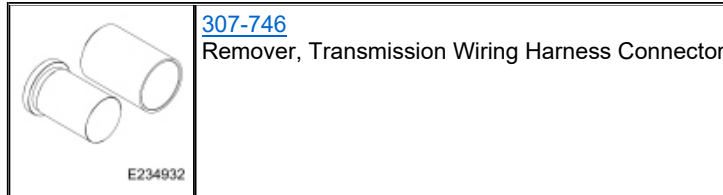

Transmission Internal Wiring Harness

Special Tool(s) / General Equipment



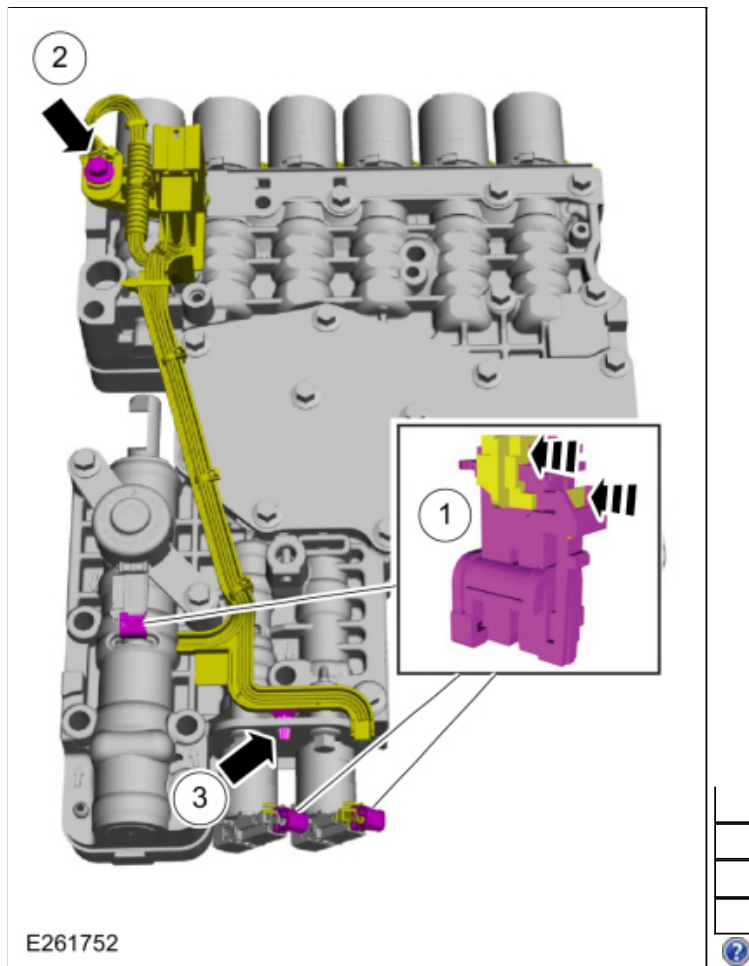
Removal

1. Remove the main control valve body.
Refer to: [Main Control Valve Body](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
Refer to: [Main Control Valve Body - Vehicles With: Auto-Start-Stop](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).

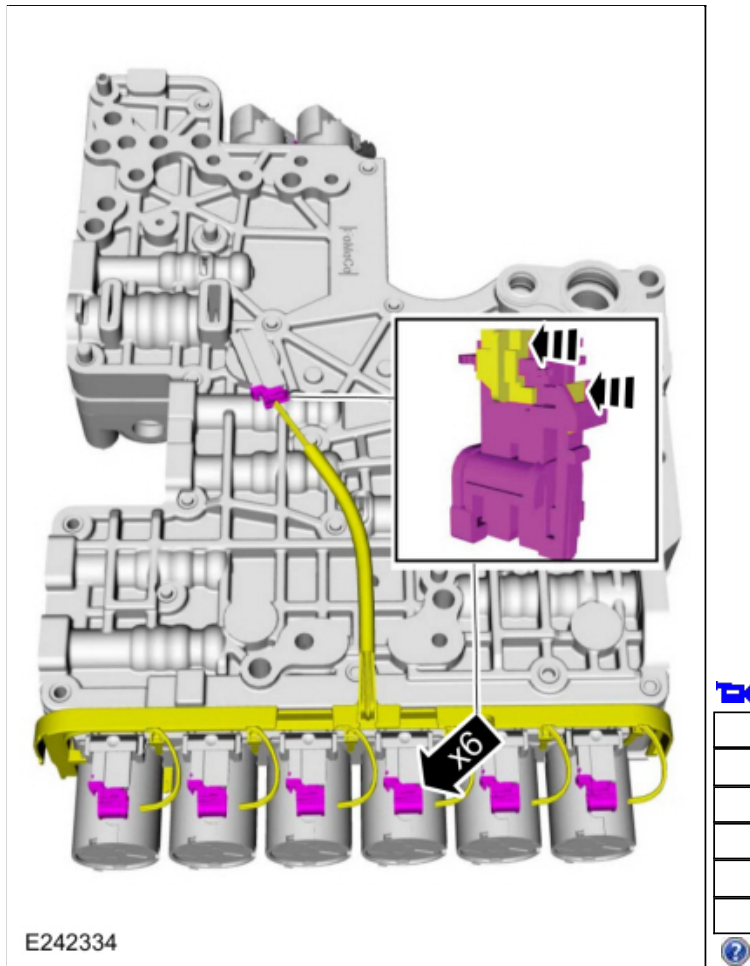
Main Control Valve Body Harness

2. Disconnect the internal wiring harness.
 1. Slide the plastic lock to the unlock position. Disconnect the TCC solenoid and the LPC solenoid electrical connectors. If equipped, disconnect the park lock pawl solenoid electrical connector.
 2. Remove internal wiring harness retaining bolt.
 3. Disconnect the internal wiring harness retainer.

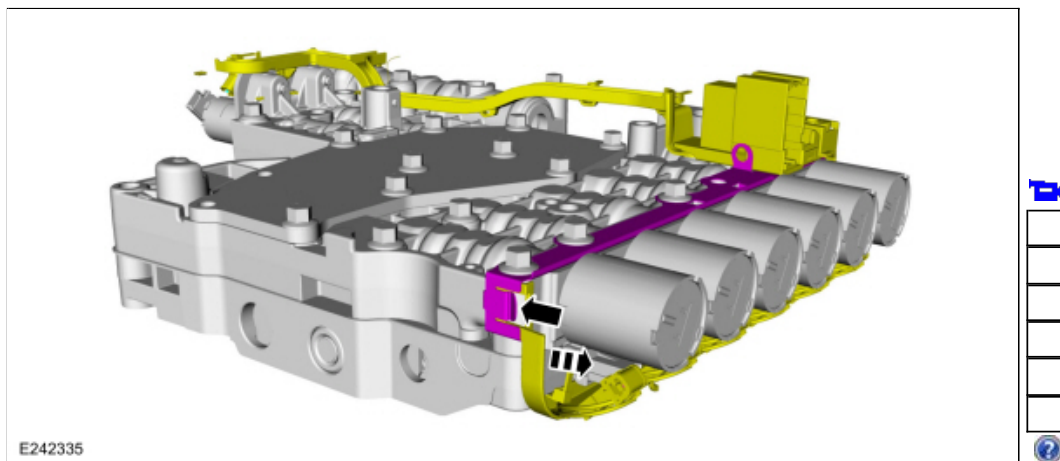




3. Disconnect the internal wiring harness electrical connectors.
 - Slide the plastic lock to the unlock position. While pressing the plastic tab, disconnect the electrical connector.

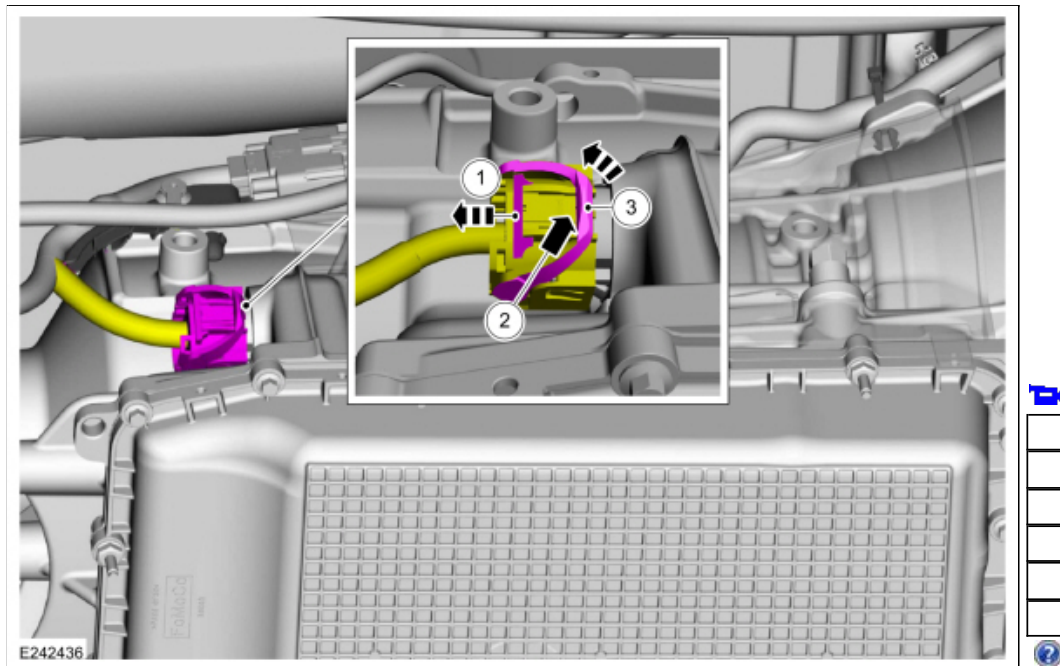


4. Release the retainer and remove the internal wiring harness assembly.



Transmission Case Harness

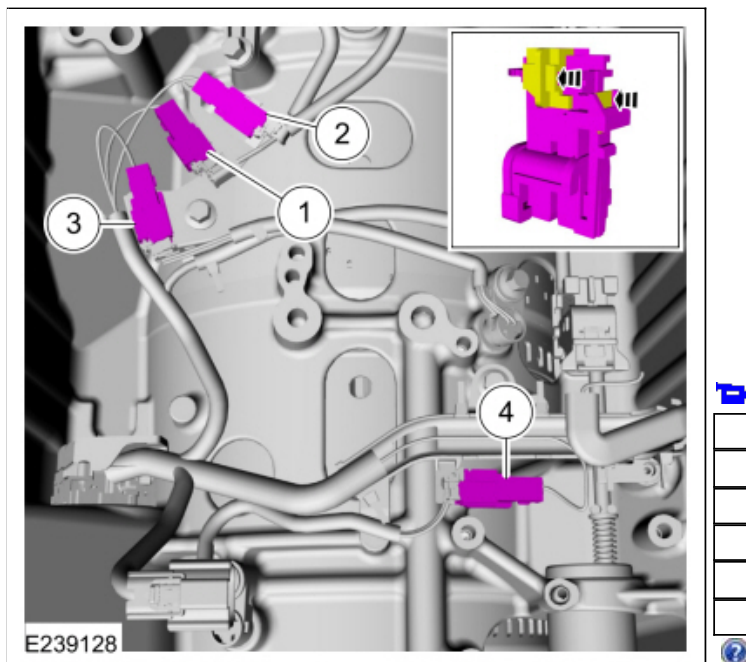
- 5.
1. Slide the safety lock out.
 2. Press the connector tab in.
 3. Rotate the locking arm up and disconnect the transmission electrical connector.



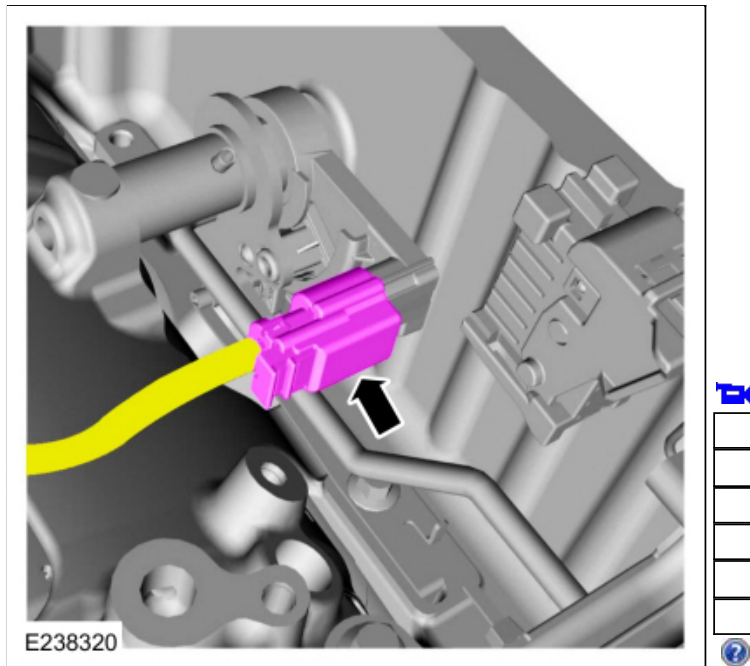
6. **NOTE:** To disconnect the electrical connectors, slide the plastic lock to the unlocked position. While pressing the plastic tab, disconnect the electrical connector.

Unlock and disconnect the speed sensors.

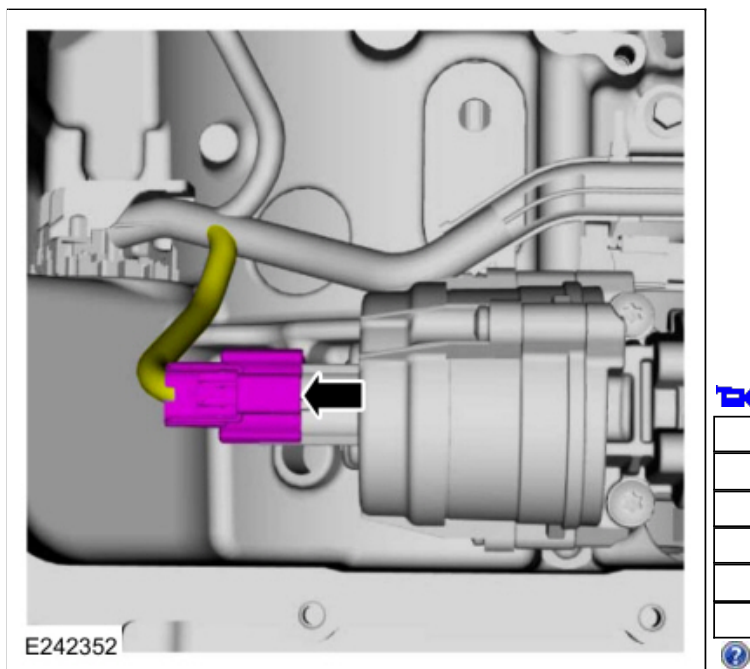
1. TSS sensor
2. Intermediate speed A sensor
3. Intermediate speed B sensor
4. OSS sensor



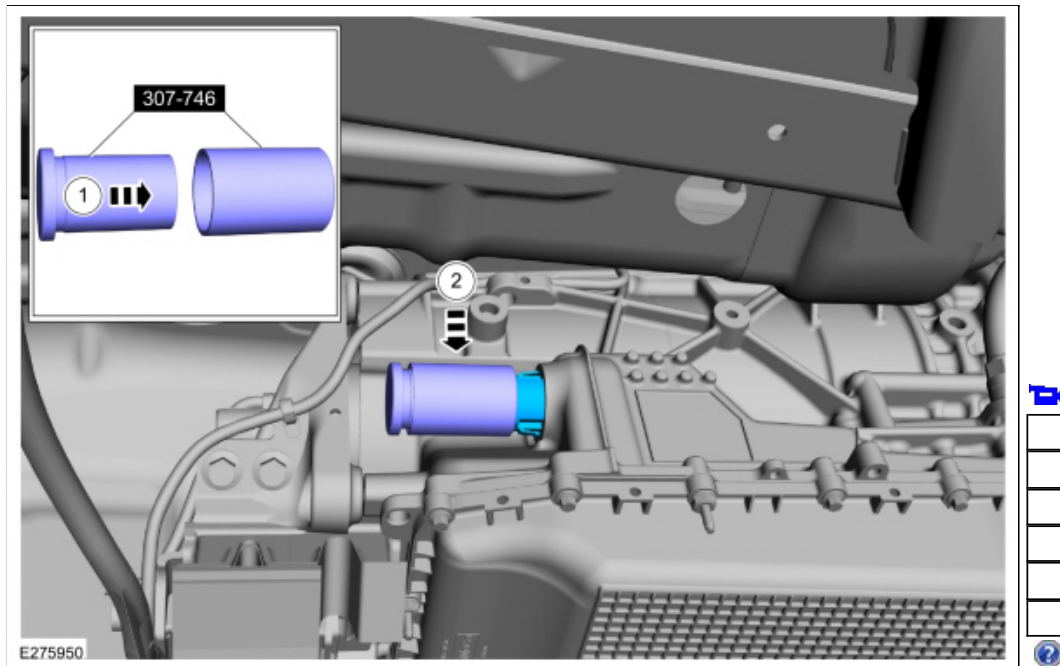
7. Disconnect the IR sensor electrical connector.



8. If equipped, disconnect the transmission fluid auxiliary pump electrical connector.



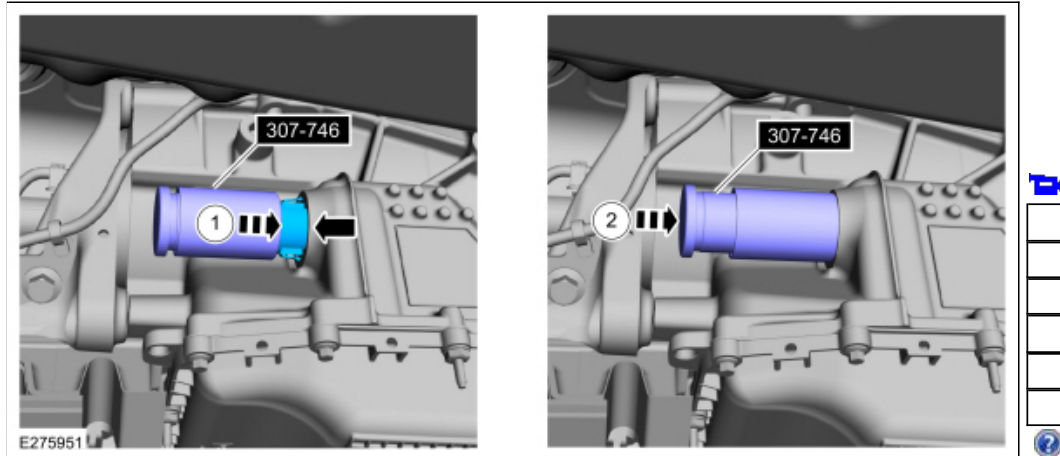
- 9.
1. Assemble the special tool.
Use Special Service Tool: [307-746 Remover, Transmission Wiring Harness Connector](#).
 2. Position the special tool onto the transmission internal wiring harness connector.



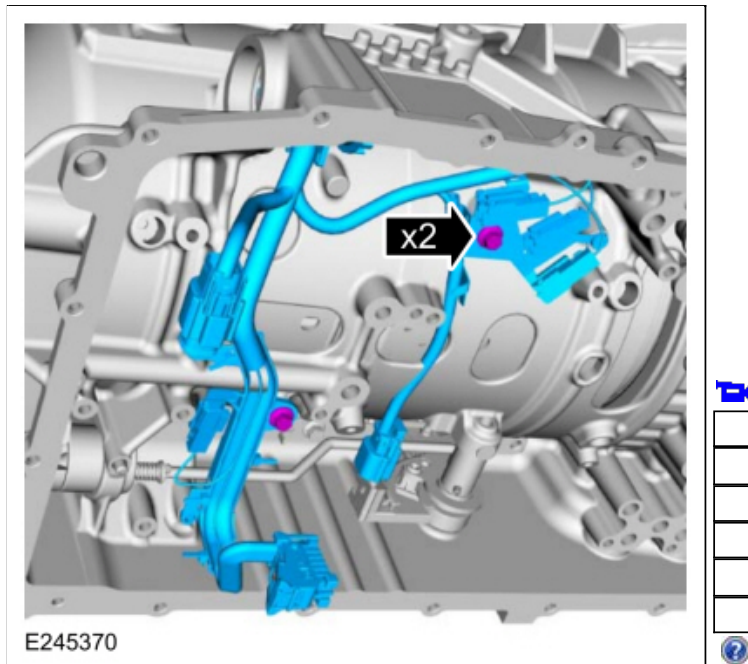
10.

Using the special tool, disconnect the transmission internal wiring harness connector from the transmission case.

1. Slide the special tool over the connector flush with the transmission case.
Use Special Service Tool: [307-746 Remover, Transmission Wiring Harness Connector](#).
2. Use the special tool to push the connector through the transmission case.



11. Remove the bolts and the transmission internal wiring harness.



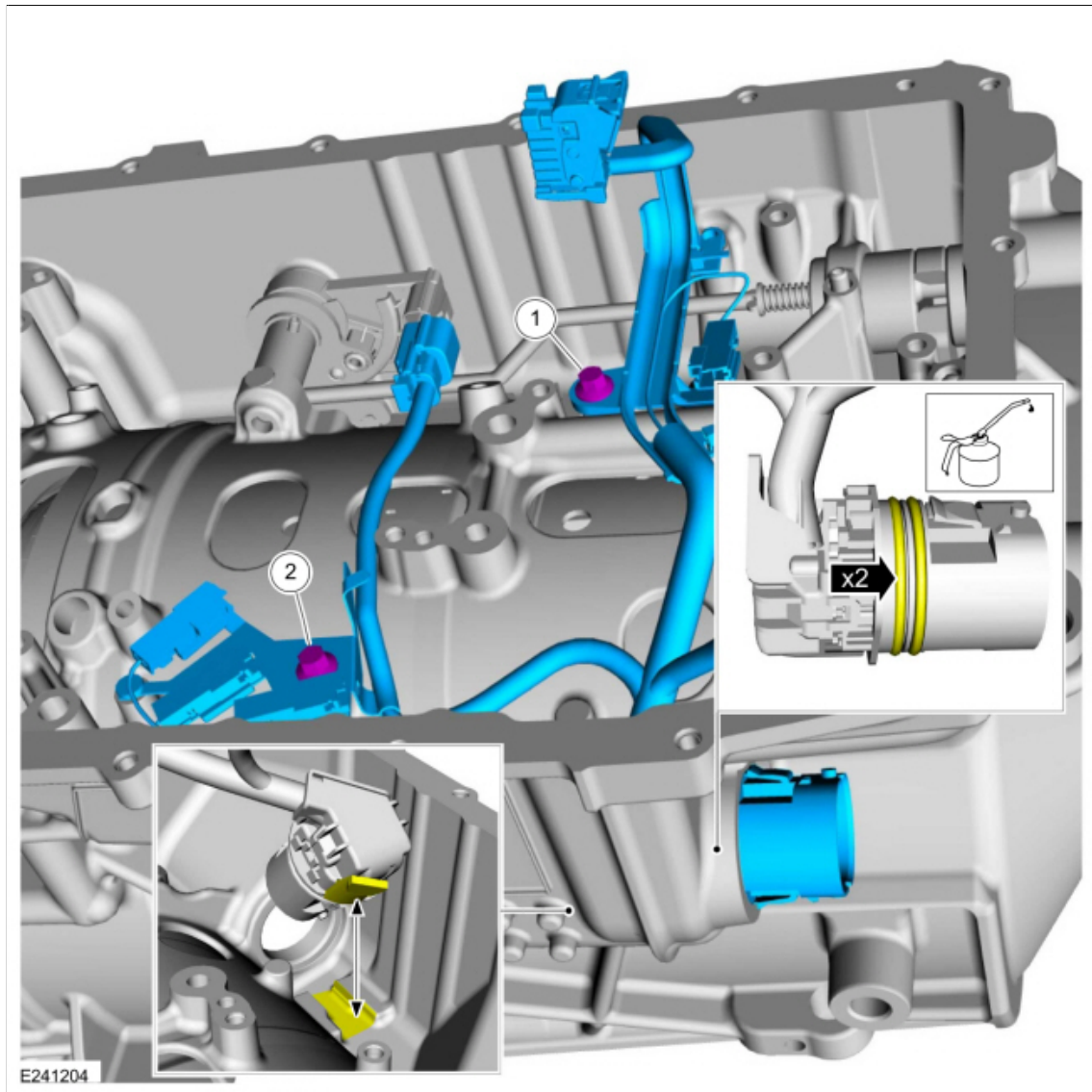
Installation

Transmission Case Harness

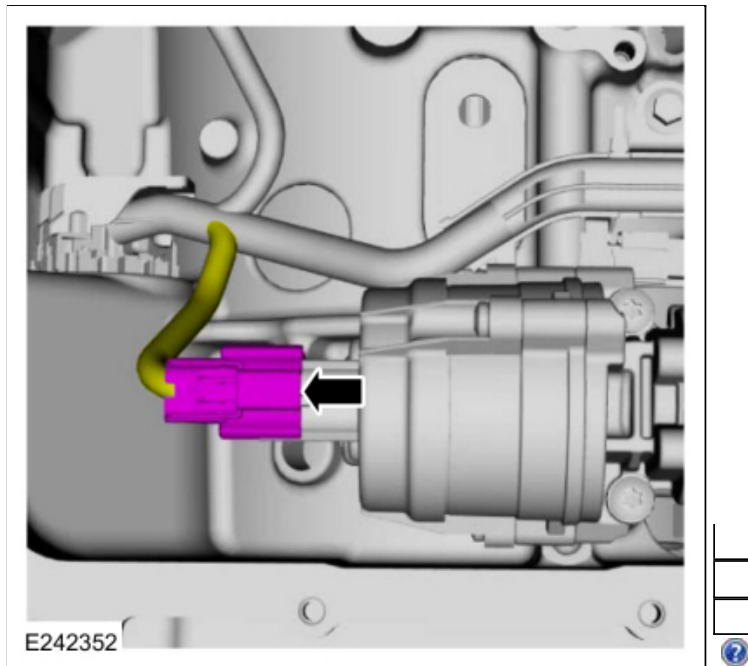
1.

Install the wiring harness. Lubricate the O-ring seals with petroleum jelly. Align the tab on the electrical connector with the indentation in the transmission case and install the main electrical connector in the transmission case. Align the wiring harness and install the bolts.

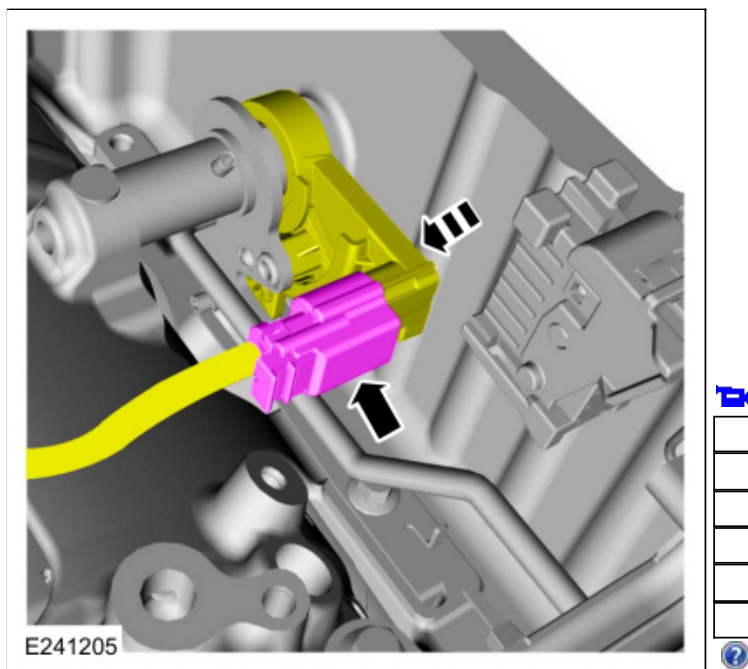
1. *Torque:* 97 lb.in (11 Nm)
2. *Torque:* 106 lb.in (12 Nm)



2. If equipped, connect the transmission fluid auxiliary pump electrical connector.



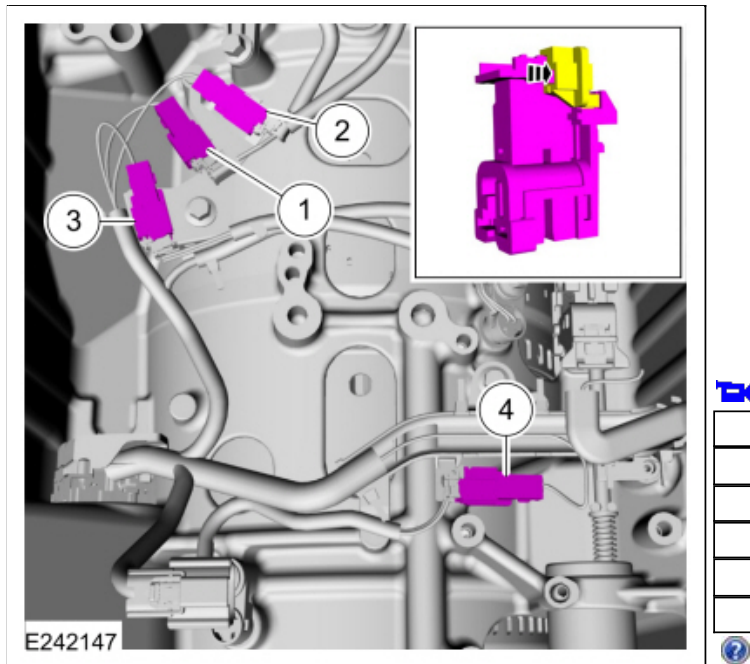
3. Support the opposite side of the TR sensor and connect the electrical connector.



4. **NOTE:** After connecting the electrical connectors, slide the plastic lock to the locked position.

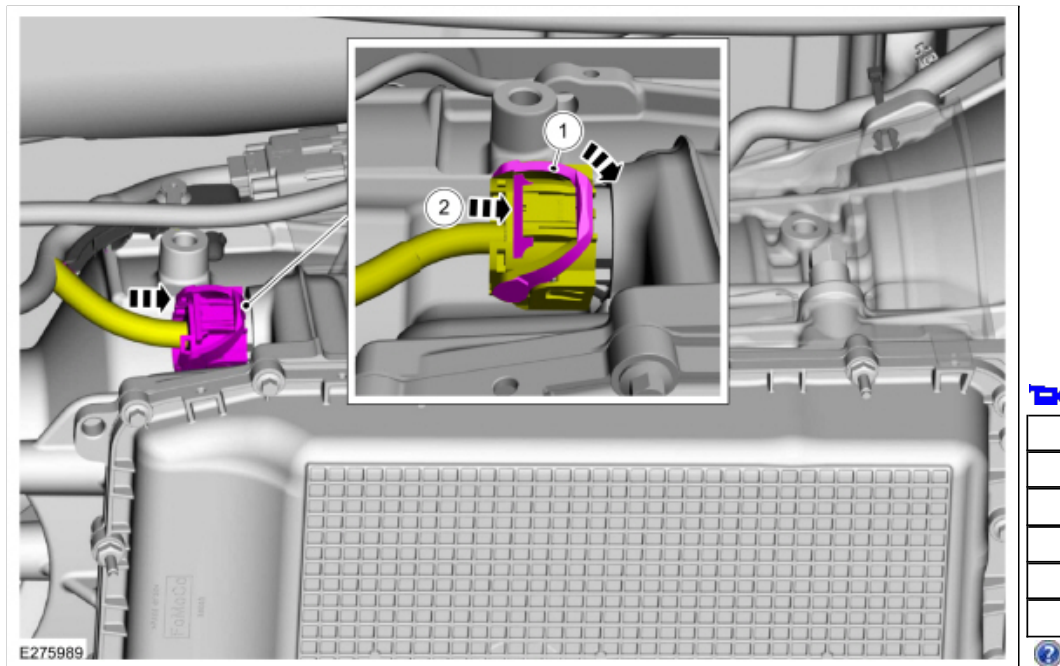
Connect and lock the speed sensors.

1. TSS sensor
2. Intermediate speed A sensor
3. Intermediate speed B sensor
4. OSS sensor



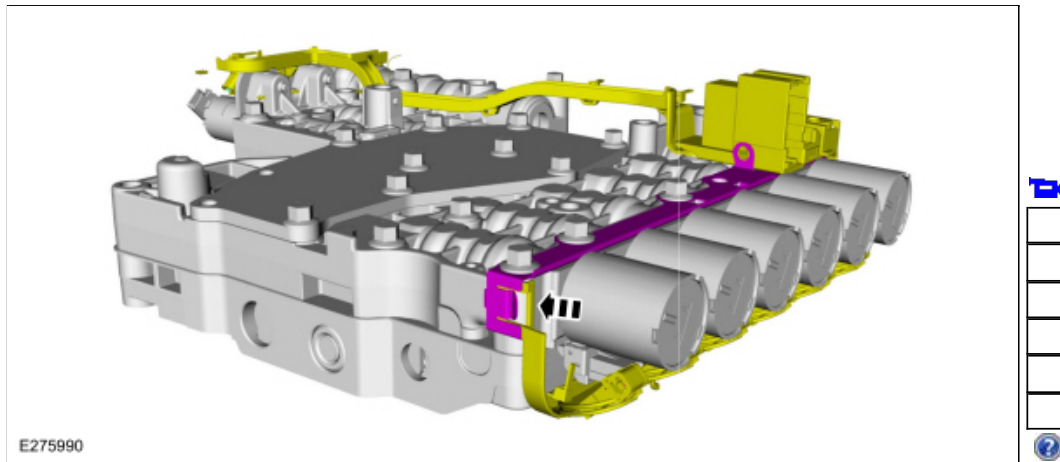
5.

1. Rotate the locking arm down and connect the transmission electrical connector.
2. Slide the safety lock in.

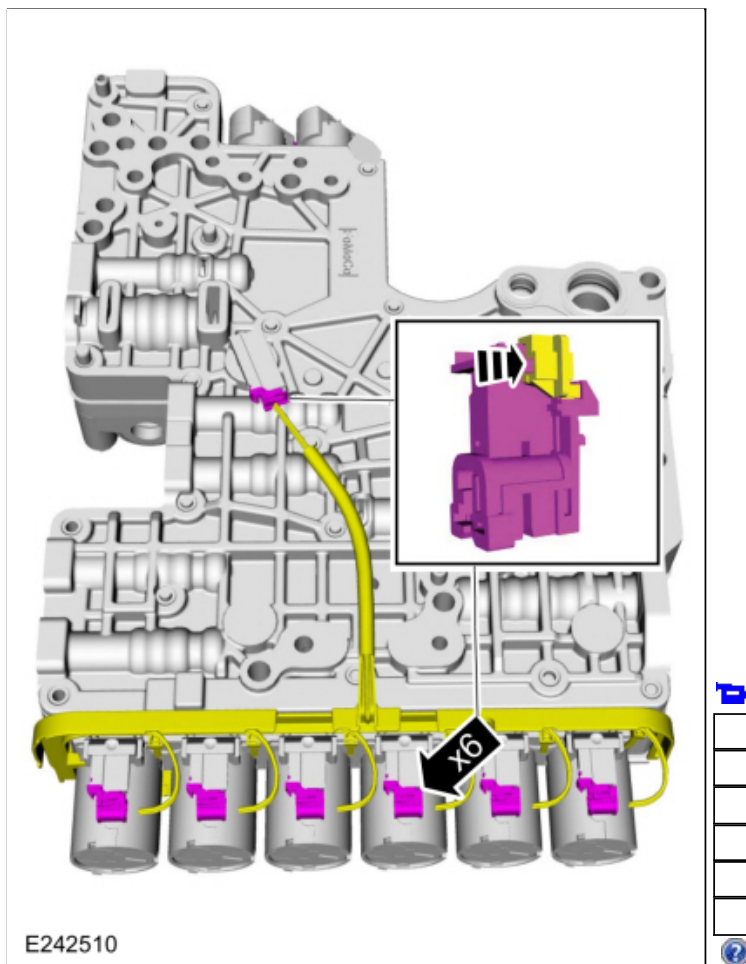


Main Control Valve Body Harness

6. Install the internal wiring harness assembly and attach the retainer.

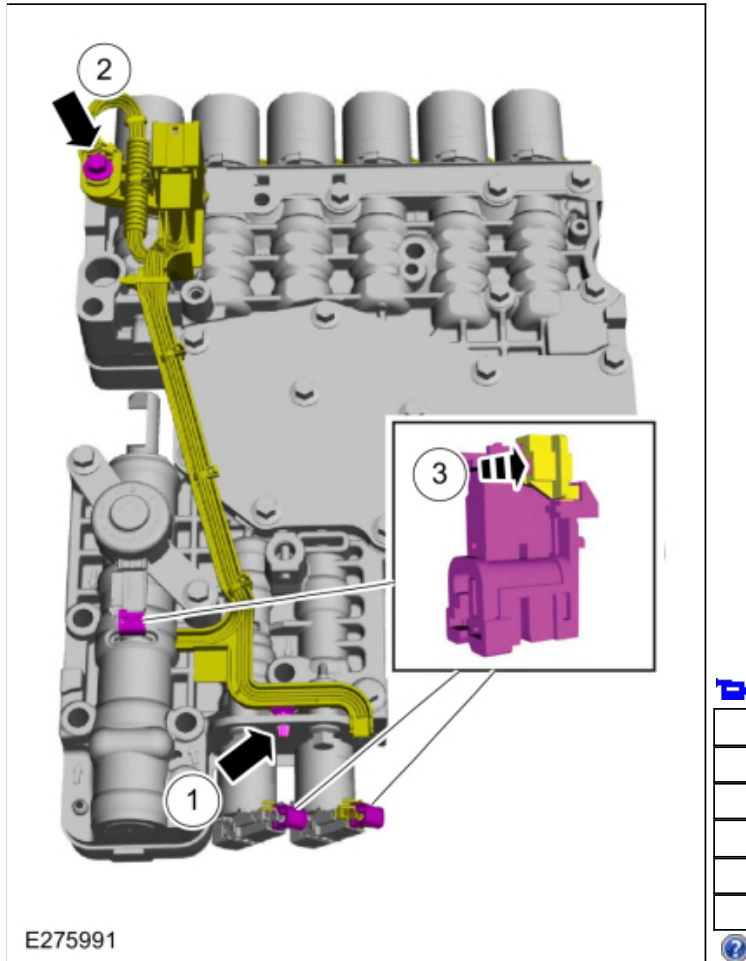


7. Connect the internal wiring harness electrical connectors.
- Slide the plastic lock to the locked position.



8. Connect the internal wiring harness.
1. Connect the internal wiring harness retainer.
 2. Install the internal wiring harness retaining bolt.
Torque: 106 lb.in (12 Nm)

3. Connect the TCC solenoid and the LPC solenoid electrical connectors. If equipped, connect the park lock pawl solenoid electrical connector. Slide the plastic lock to the locked position.



All Harnesses

9. Install the main control valve body.
 Refer to: [Main Control Valve Body](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
 Refer to: [Main Control Valve Body - Vehicles With: Auto-Start-Stop](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).

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