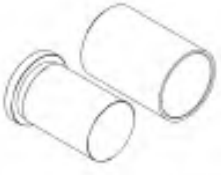


Transmission Internal Wiring Harness

Special Tool(s) / General Equipment

 E234932	307-746 Remover, Transmission Wiring Harness Connector
---	---

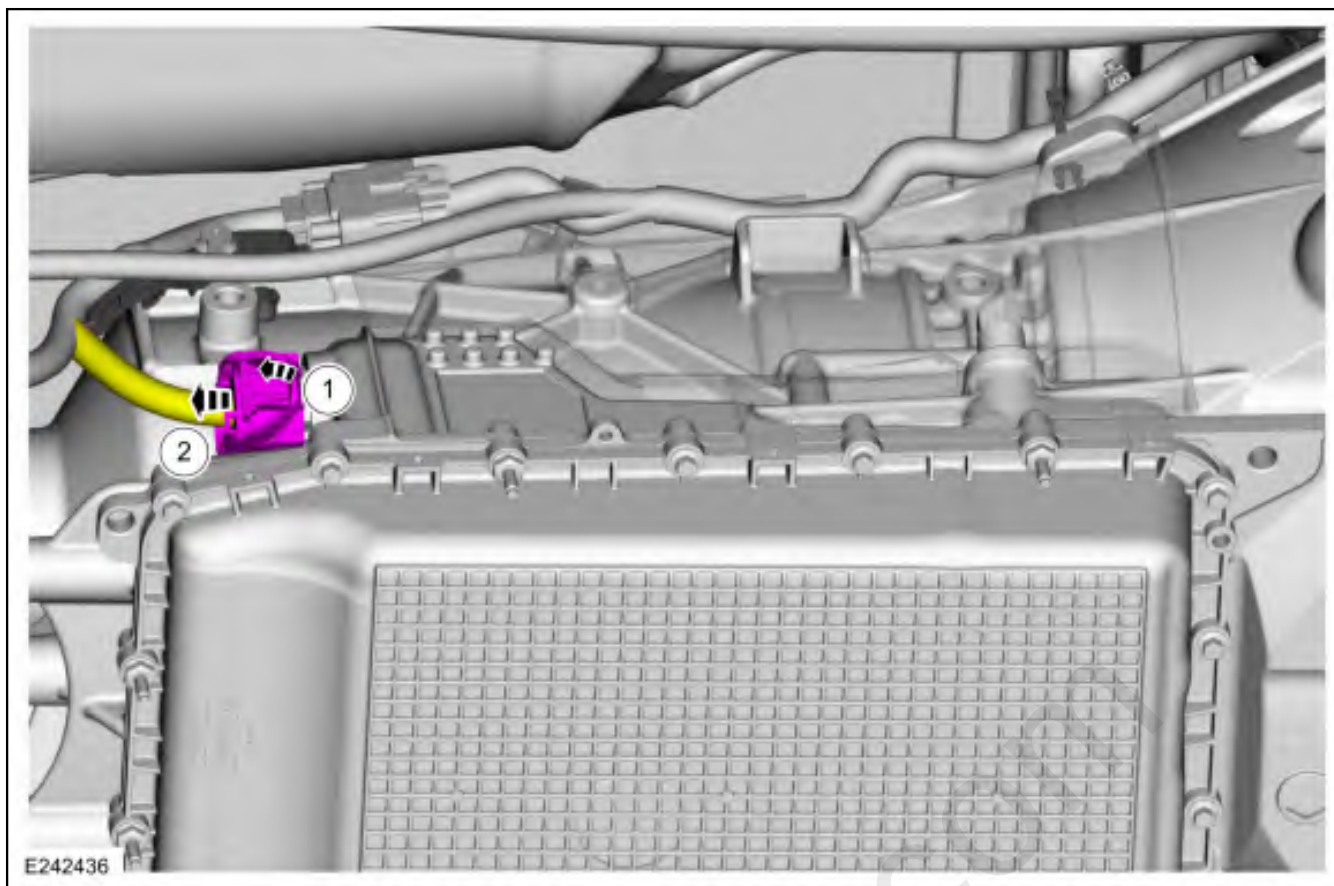
Removal

1. Remove the main control valve body.

Refer to: [Main Control Valve Body](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).

Refer to: Main Control Valve Body (307-01) .

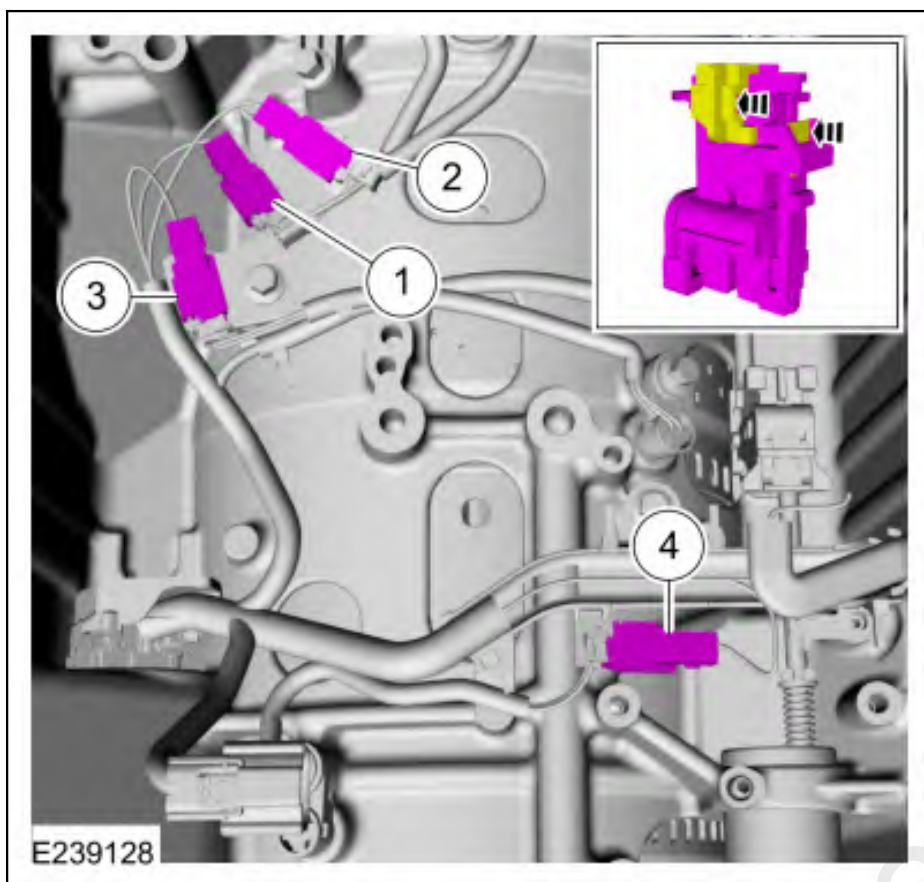
1. Slide the lock tab up and disconnect the transmission electrical connector.
2. Pull the transmission electrical connector out to disconnect.



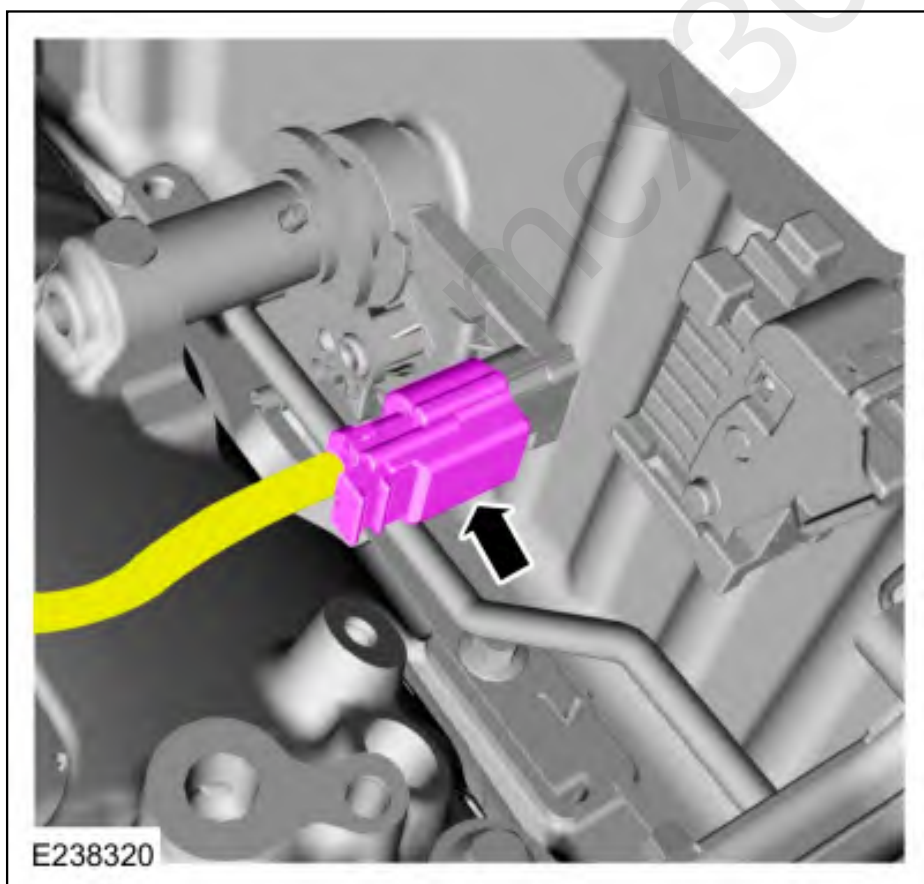
3. **NOTE:** To disconnect the electrical connectors, slide the plastic lock to the unlocked position. While pressing the plastic tab, disconnect the electrical connector.

Unlock and disconnect the speed sensors.

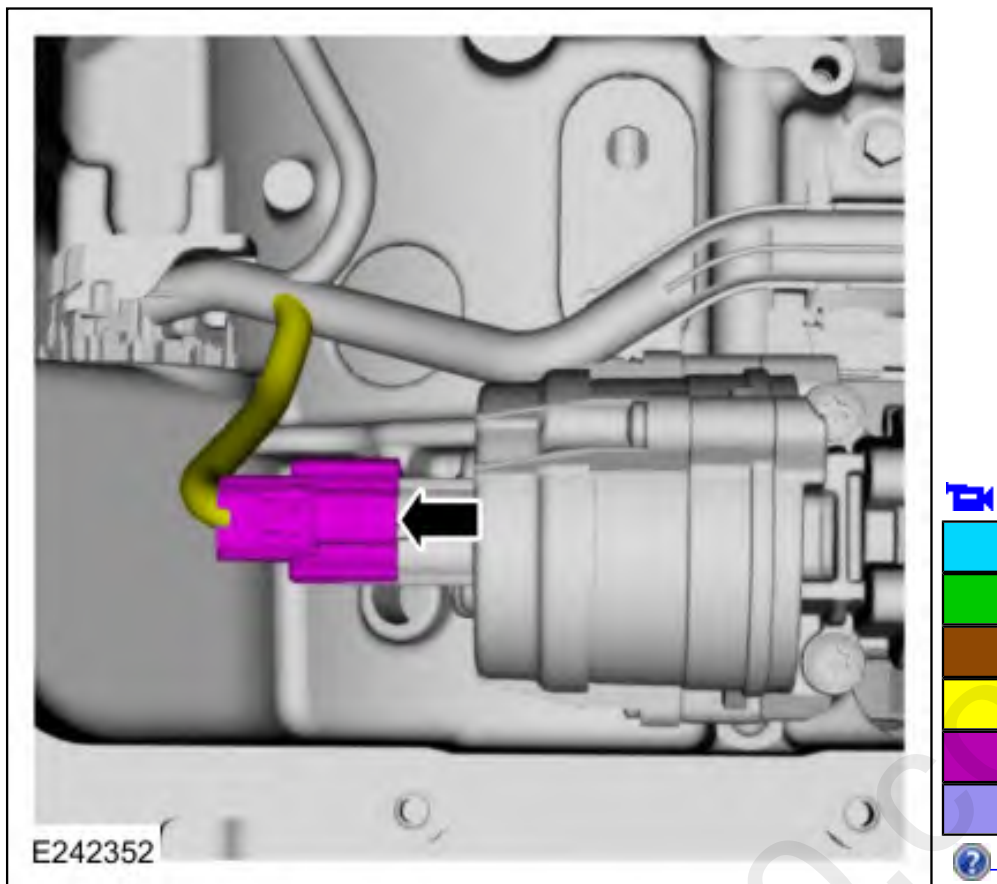
1. TSS sensor
2. Intermediate speed A sensor
3. Intermediate speed B sensor
4. OSS sensor



4. Disconnect the TR sensor electrical connector.



5. Disconnect the transmission fluid auxiliary pump electrical connector.



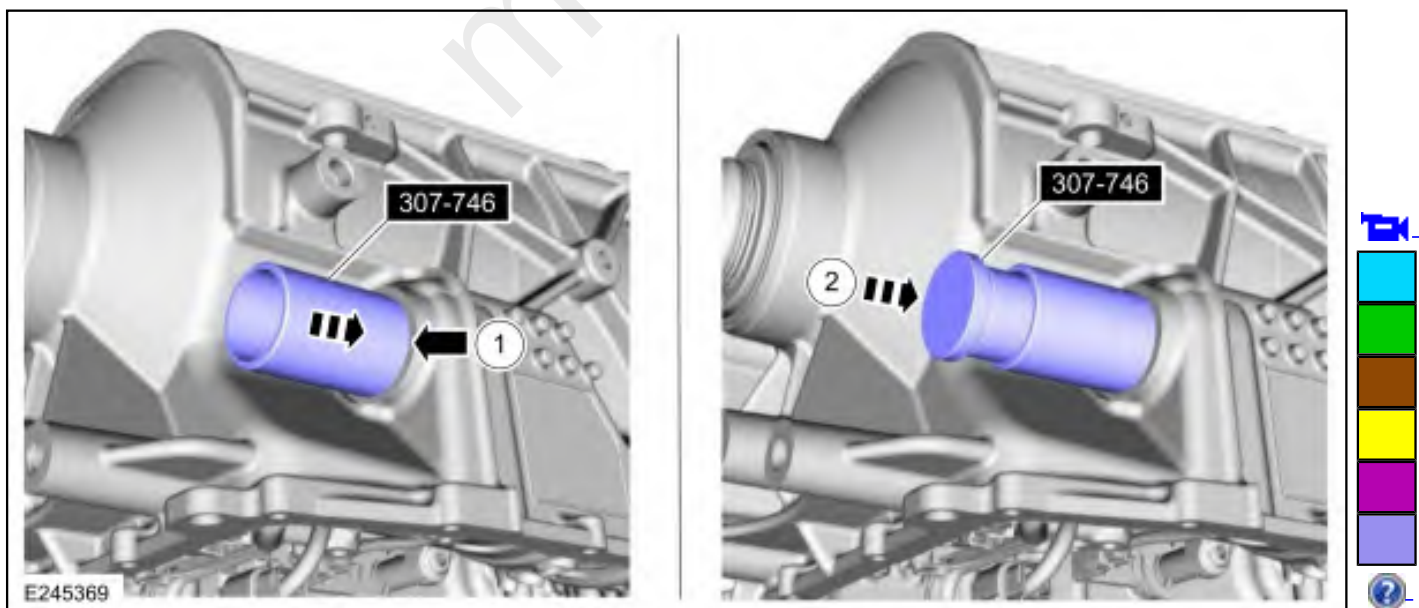
6.

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

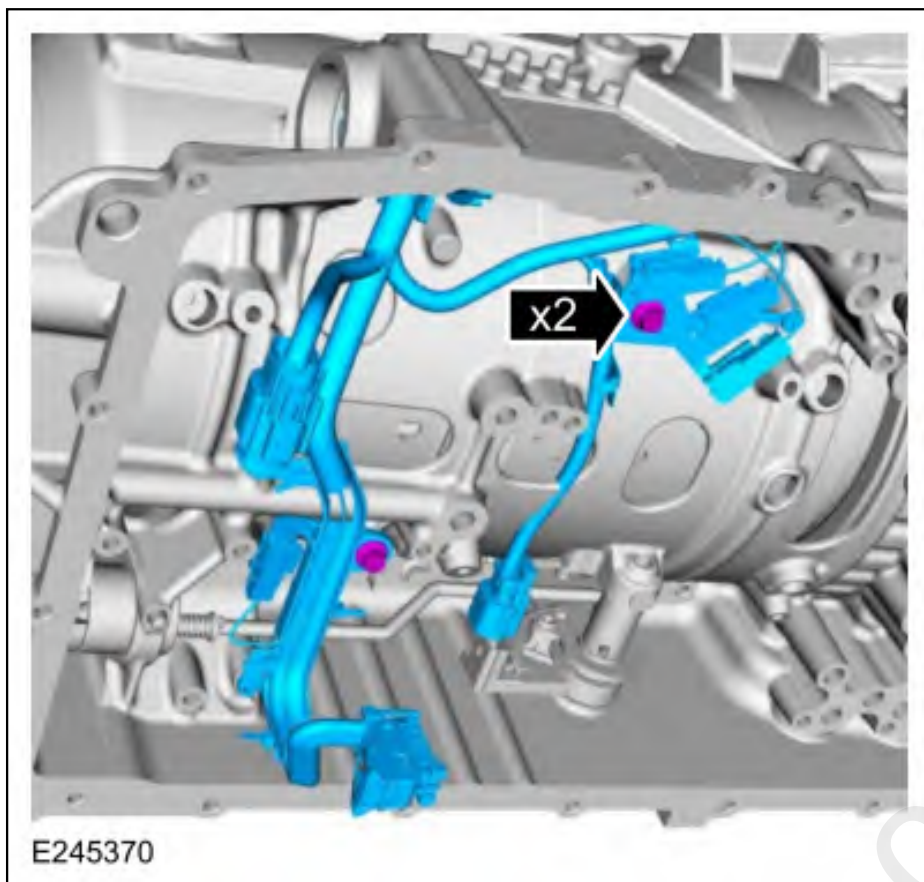
1. Slide the special tool over the connector flush with the transmission case.

Use Special Service Tool: 307-746 Remover, Transmission Wiring Harness Connector.

2. Use the special tool to push the connector through the case.

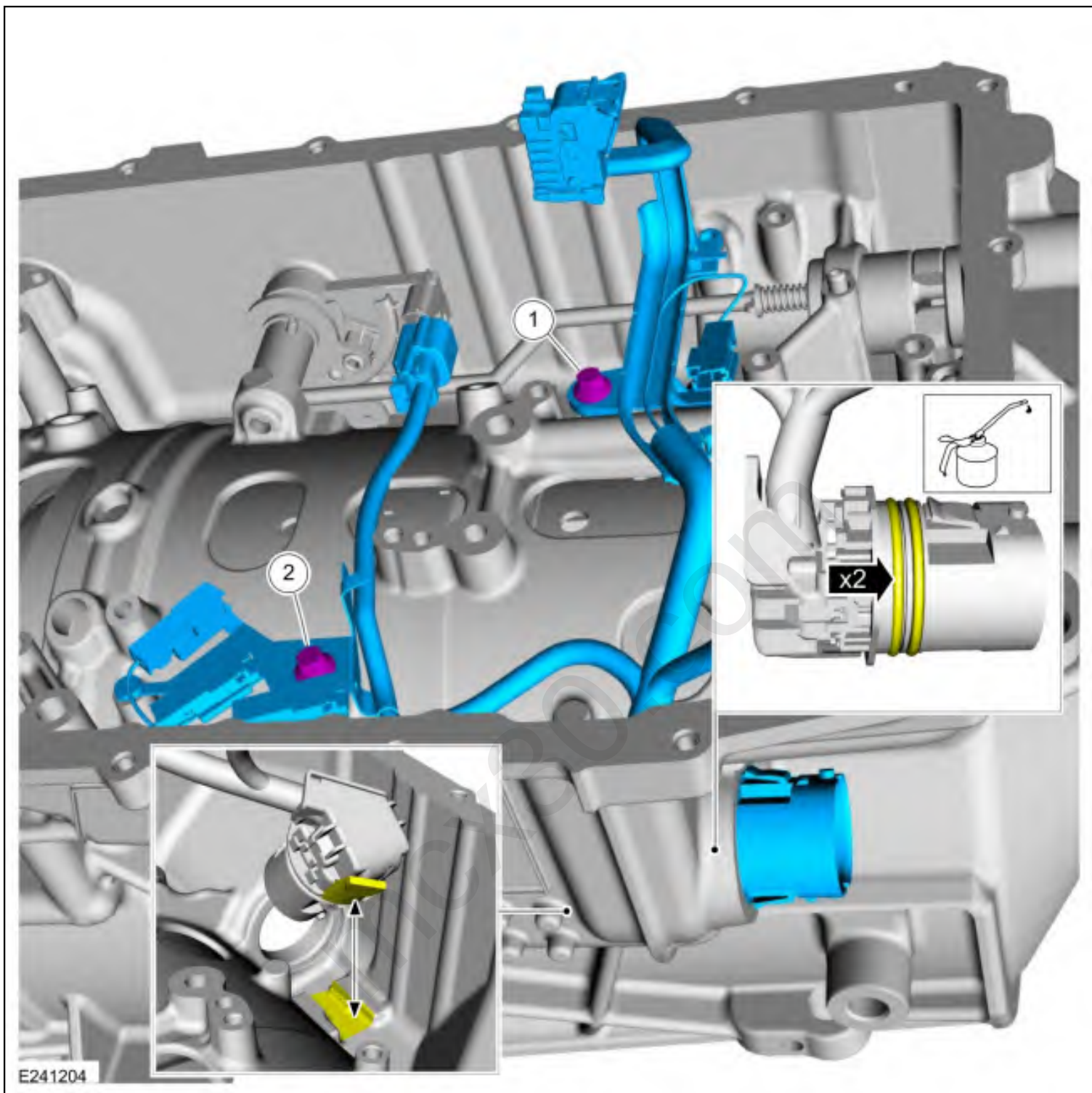


7. Remove the bolts and the transmission internal wiring harness.

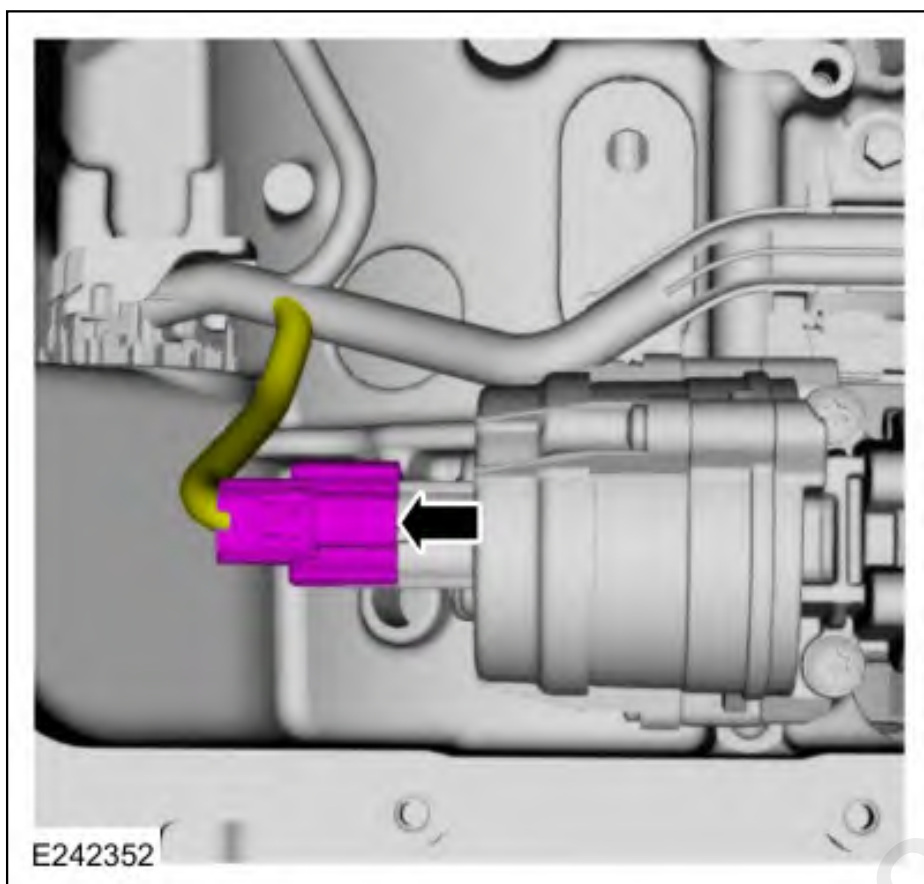


Installation

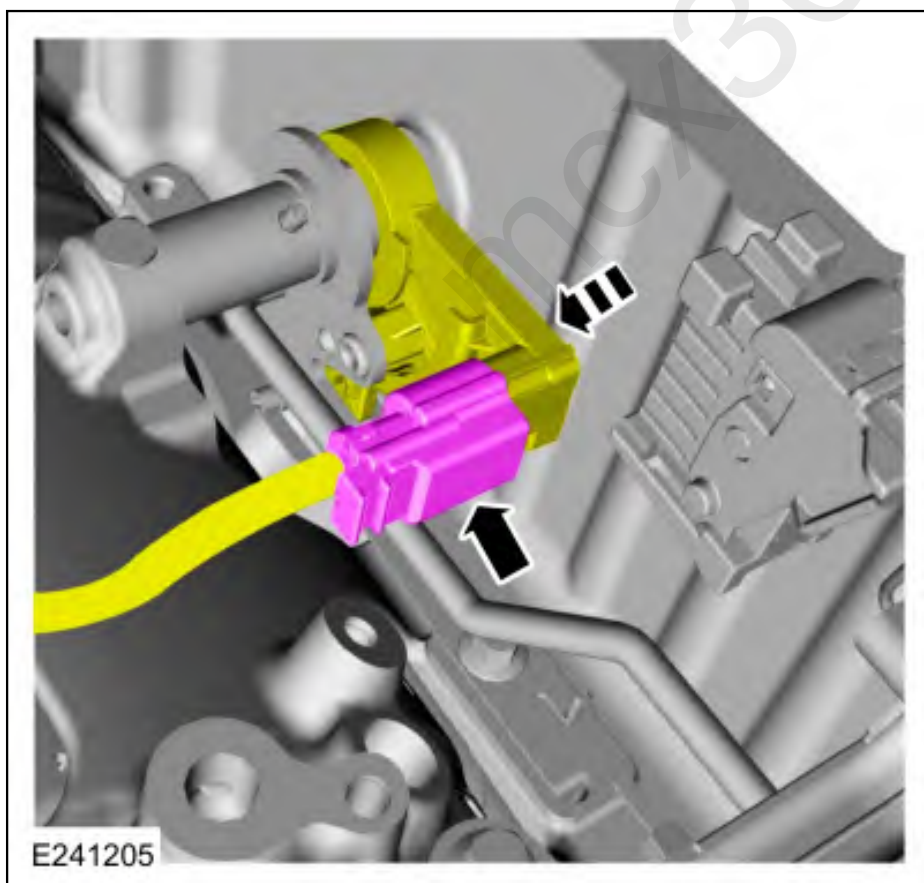
1. Install the wiring harness. Lubricate the O-ring seals with petroleum jelly. Align the tab on the electrical connector with the indentation in the transmission case and install the main electrical connector in the transmission case. Align the wiring harness and install the bolts.
 1. *Torque:* 97 lb.in (11 Nm)
 2. *Torque:* 106 lb.in (12 Nm)



2. Connect the transmission fluid auxiliary pump electrical connector.



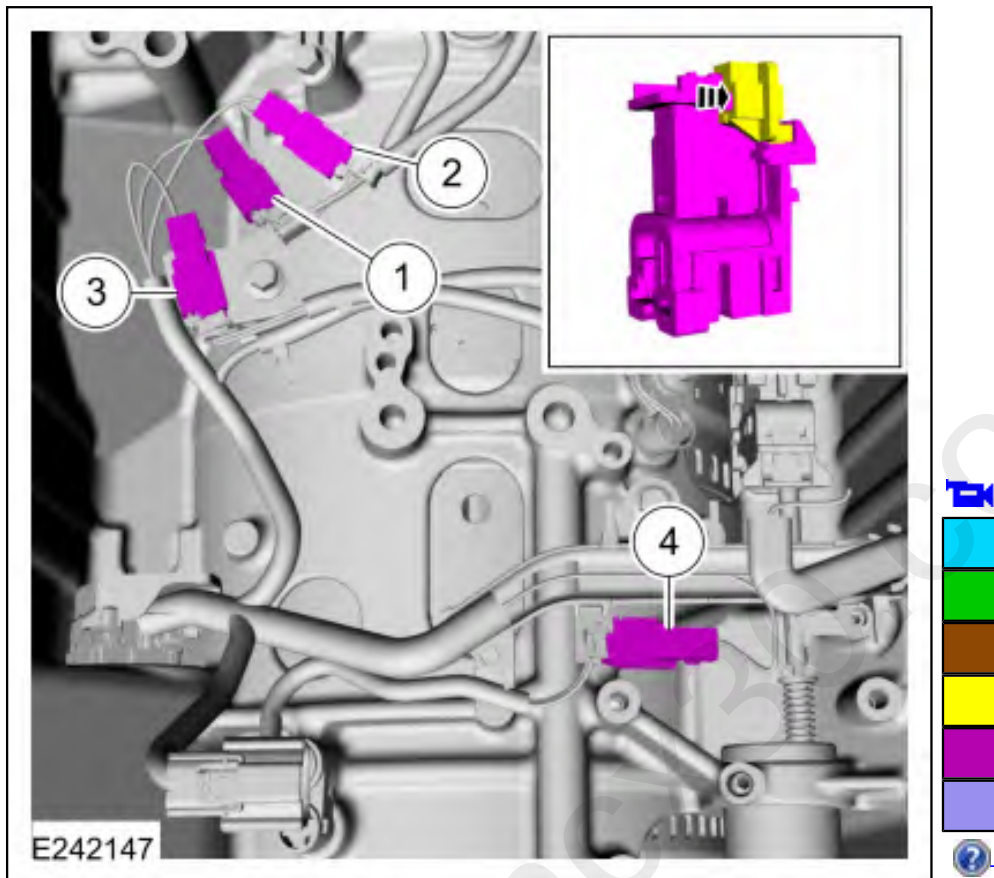
3. Support the opposite side of the TR sensor and connect the electrical connector.



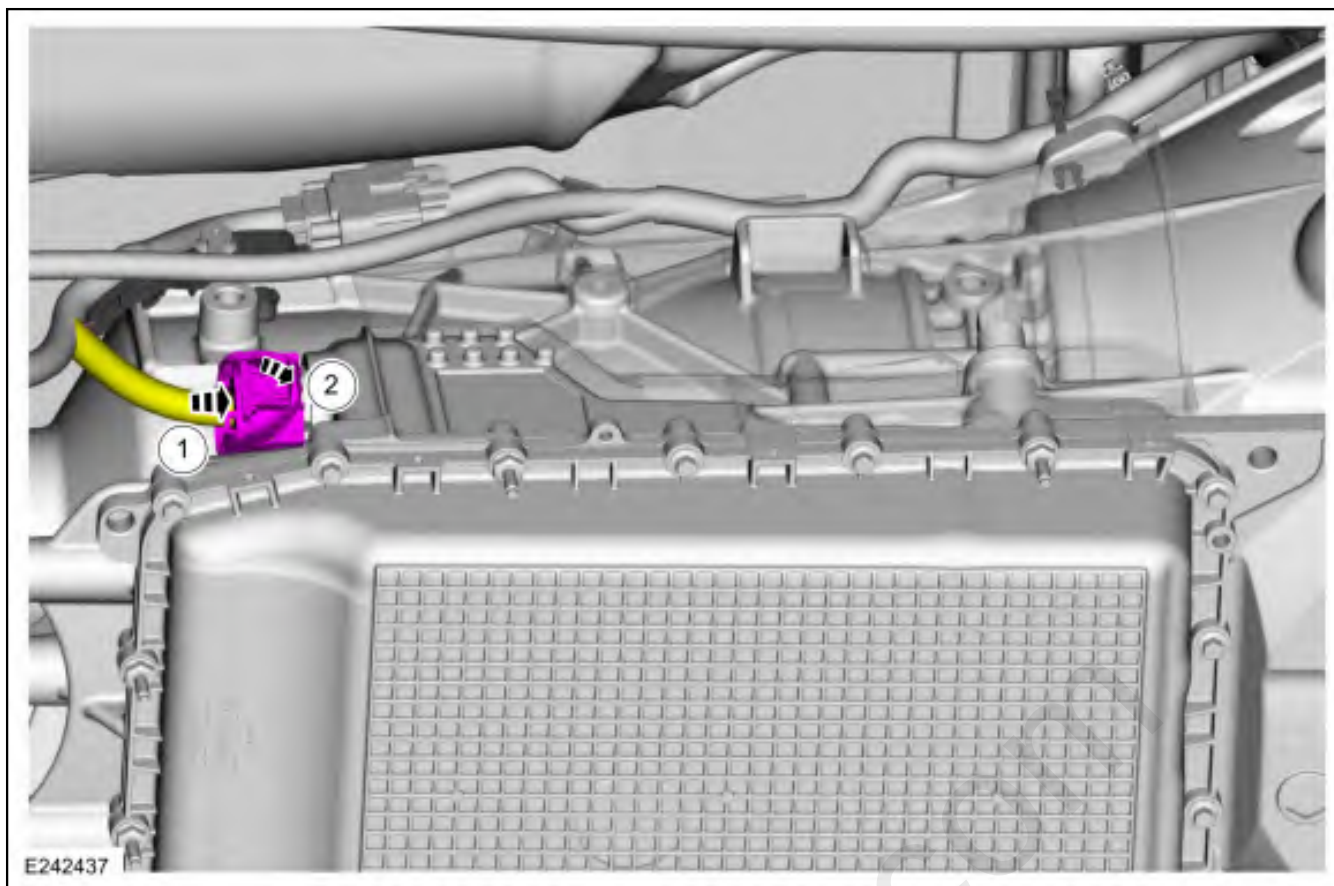
4. **NOTE:** After connecting the electrical connectors, slide the plastic lock to the locked position.

Connect and lock the speed sensors.

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



1. Push the transmission electrical connector in.
2. Lock the tab to connect the transmission electrical connector.



6. Install the main control valve body.

Refer to: [Main Control Valve Body](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).

Refer to: Main Control Valve Body (307-01) .