

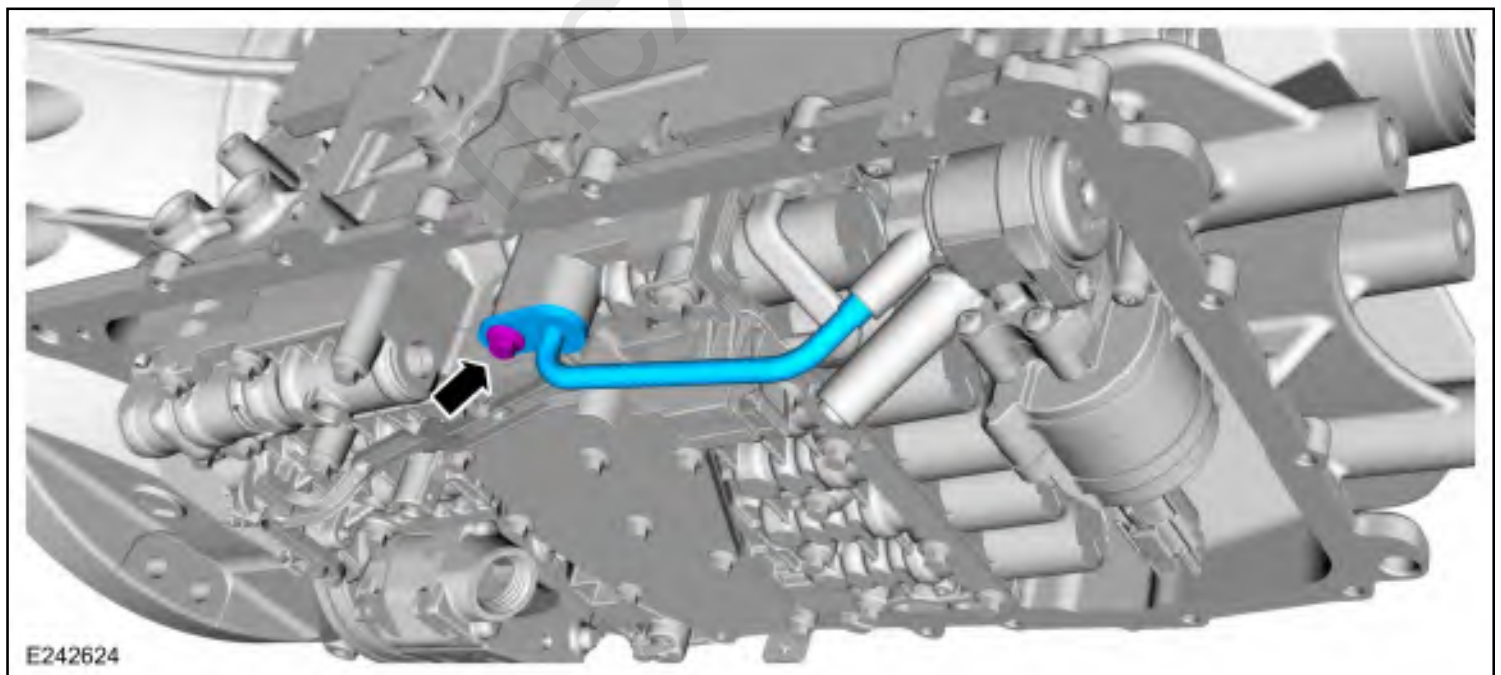
Main Control Valve Body

Base Part Number: Base Part Number: 7A100

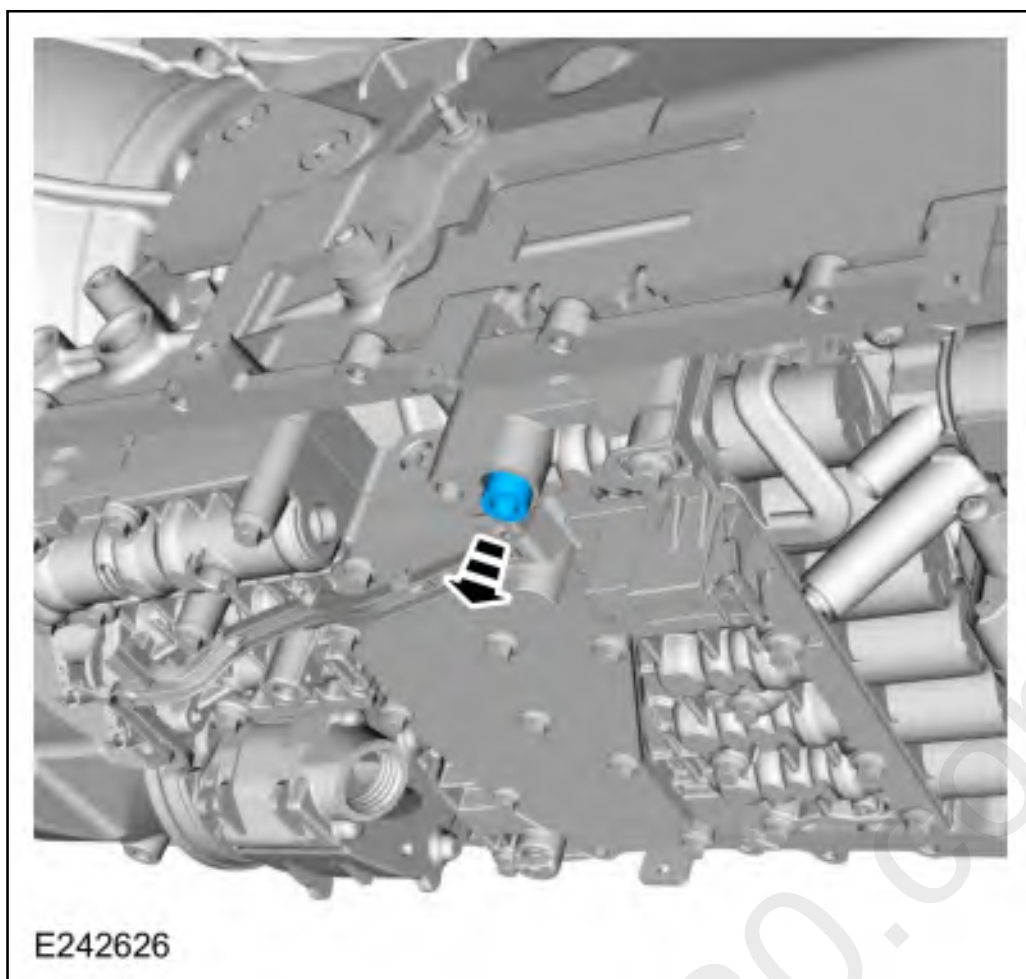
Removal

NOTE: The Solenoid Body Strategy Data Download procedure must be performed if a new main control valve body is installed.

1. Remove the transmission fluid pan gasket and filter.
Refer to: [Transmission Fluid Pan, Gasket and Filter - Raptor](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
Refer to: [Transmission Fluid Pan, Gasket and Filter](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
2. Remove the bolt and the transmission fluid auxiliary pump tube.

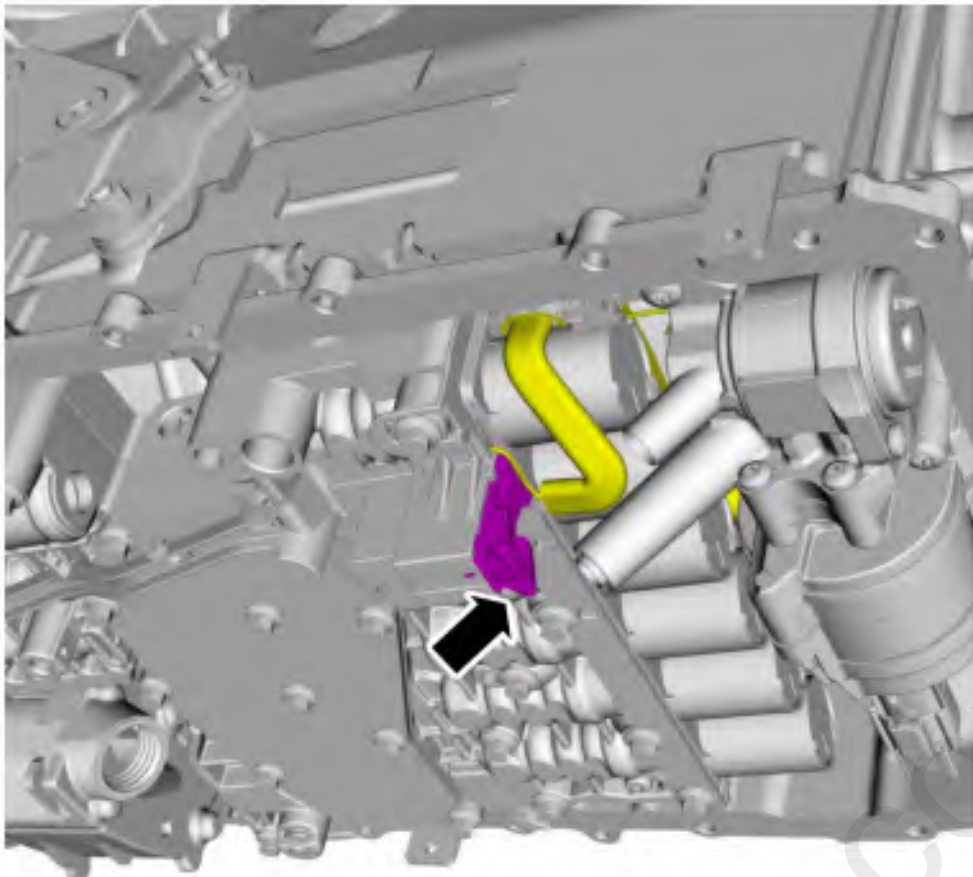


3. Remove the transmission fluid auxiliary pump tube seal.



4. **NOTE:** *The internal wiring harness electrical connector can not be fully disconnected until lowering the main control valve body.*

Unlock the internal wiring harness electrical connector.



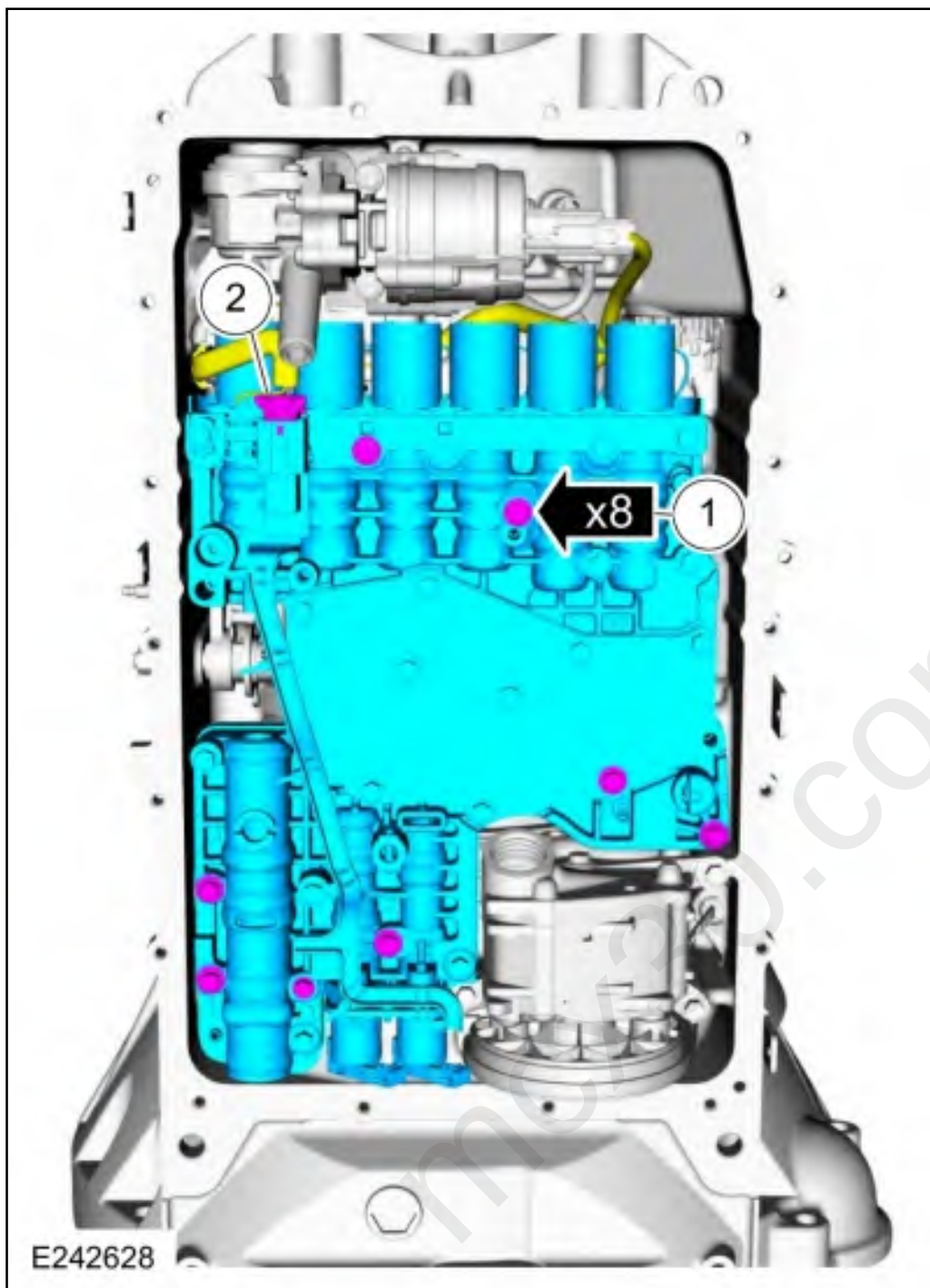
E242627



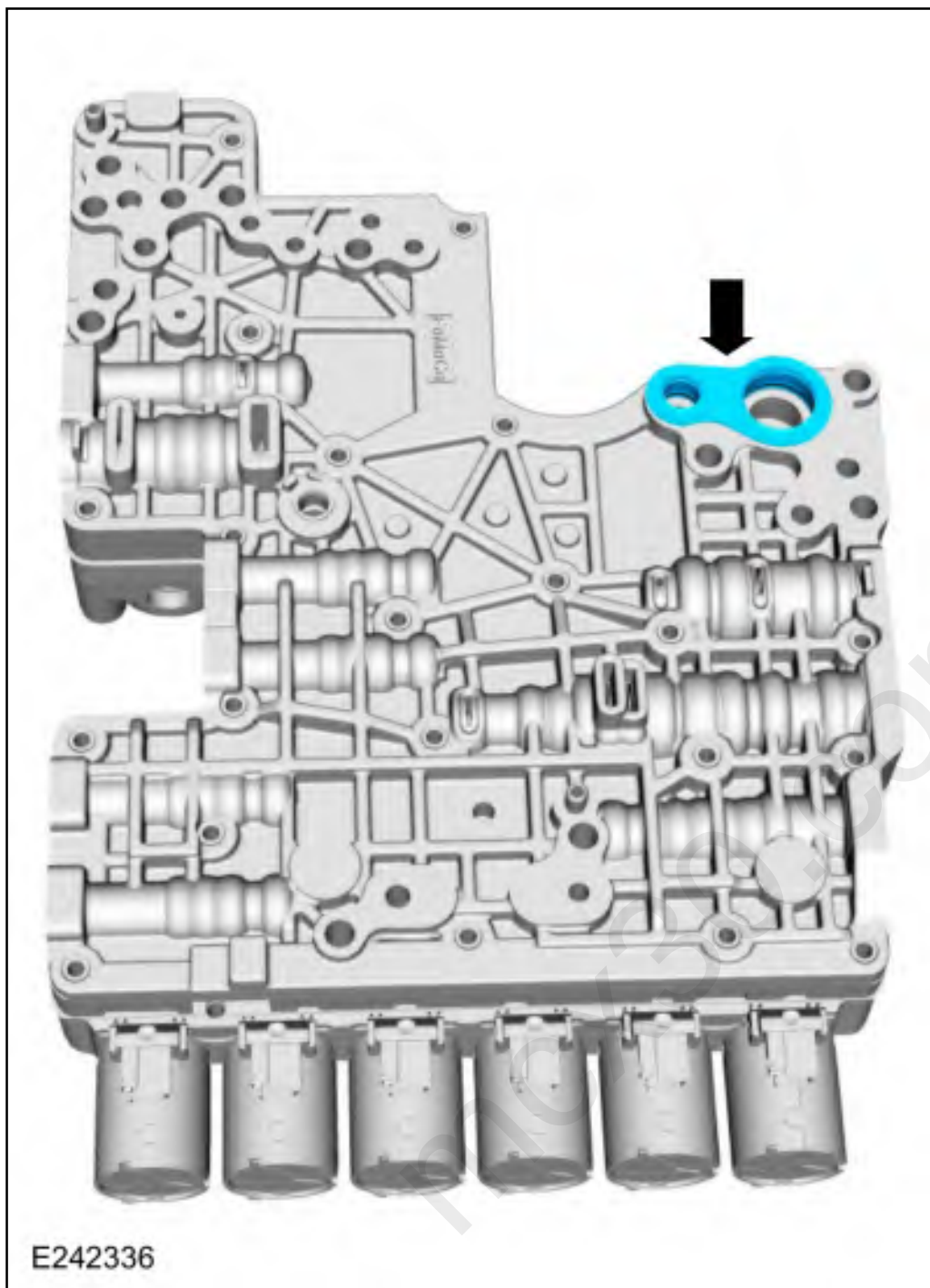
5.

Remove the main control valve body.

1. While supporting the main control valve body, remove the main control-to-transmission case bolts.
2. Disconnect the internal wiring harness electrical connector while removing the main control valve body.

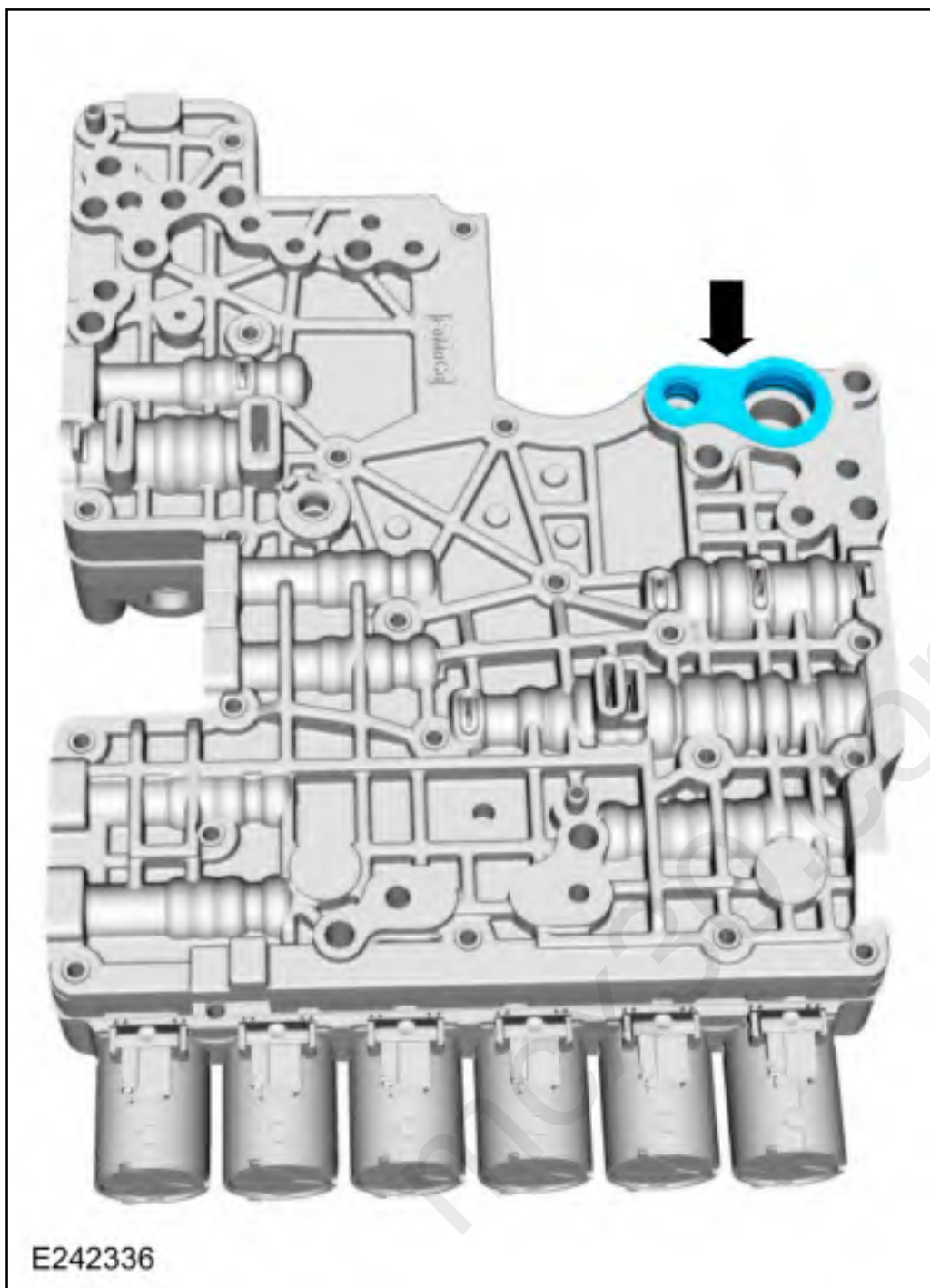


6. Remove the main control assembly to transmission fluid pump seal.



Installation

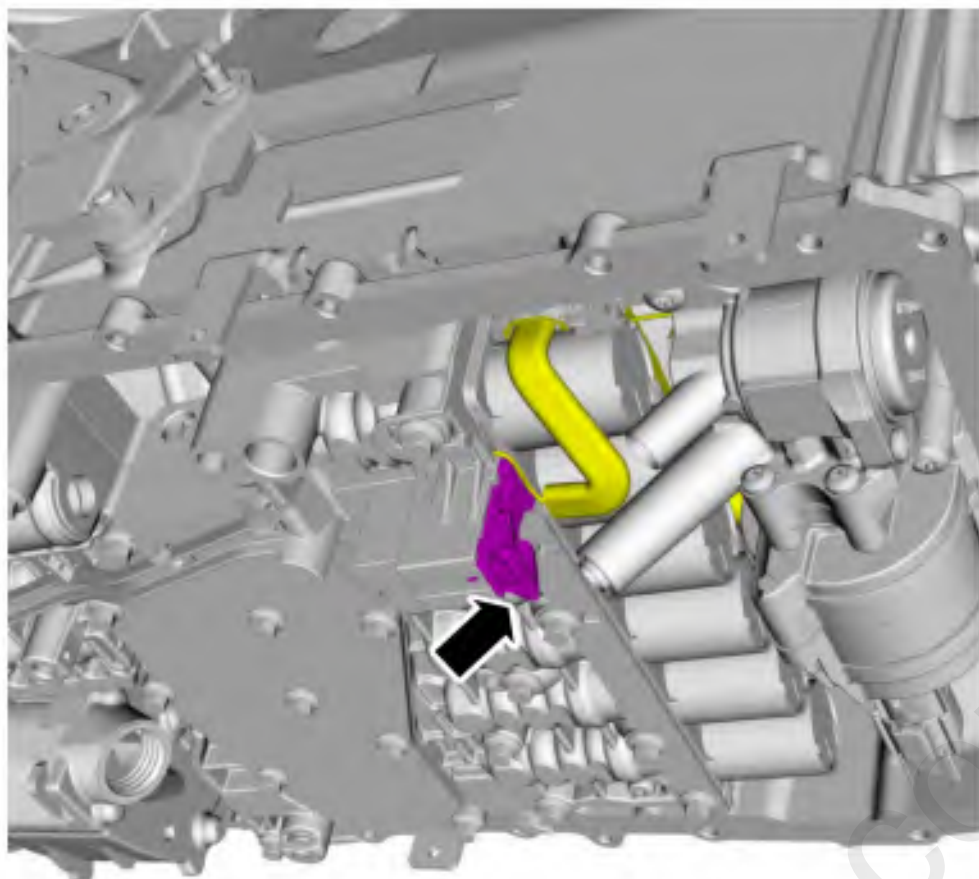
1. Install the main control assembly to transmission fluid pump seal.



2. **NOTICE: Do not install a 71 mm length bolt in the location shown or the transmission clutch and planetary container will be damaged and result in transmission failure.**

Loosely install the main control valve body.

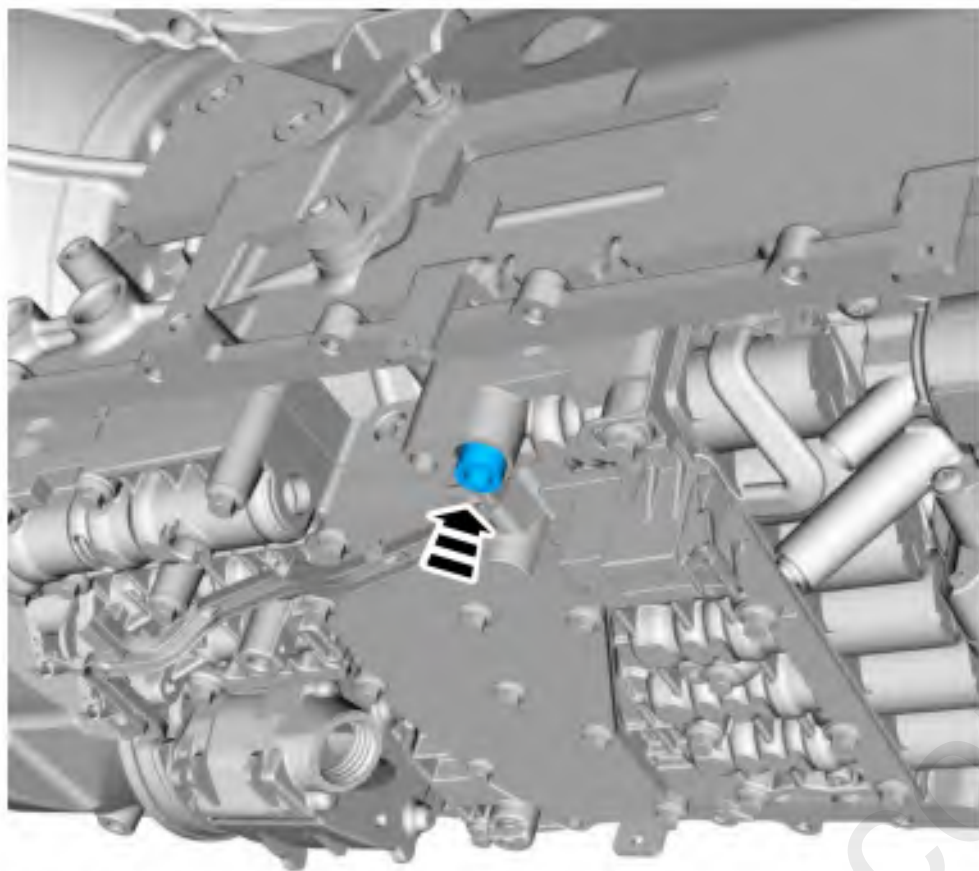
1. Align the guide pins on the main control valve body with the alignment holes in the transmission case.
2. Connect the internal wiring harness electrical connector while installing the main control valve body.
3. Loosely install the 68 mm length main control-to-transmission case bolts.



E242627



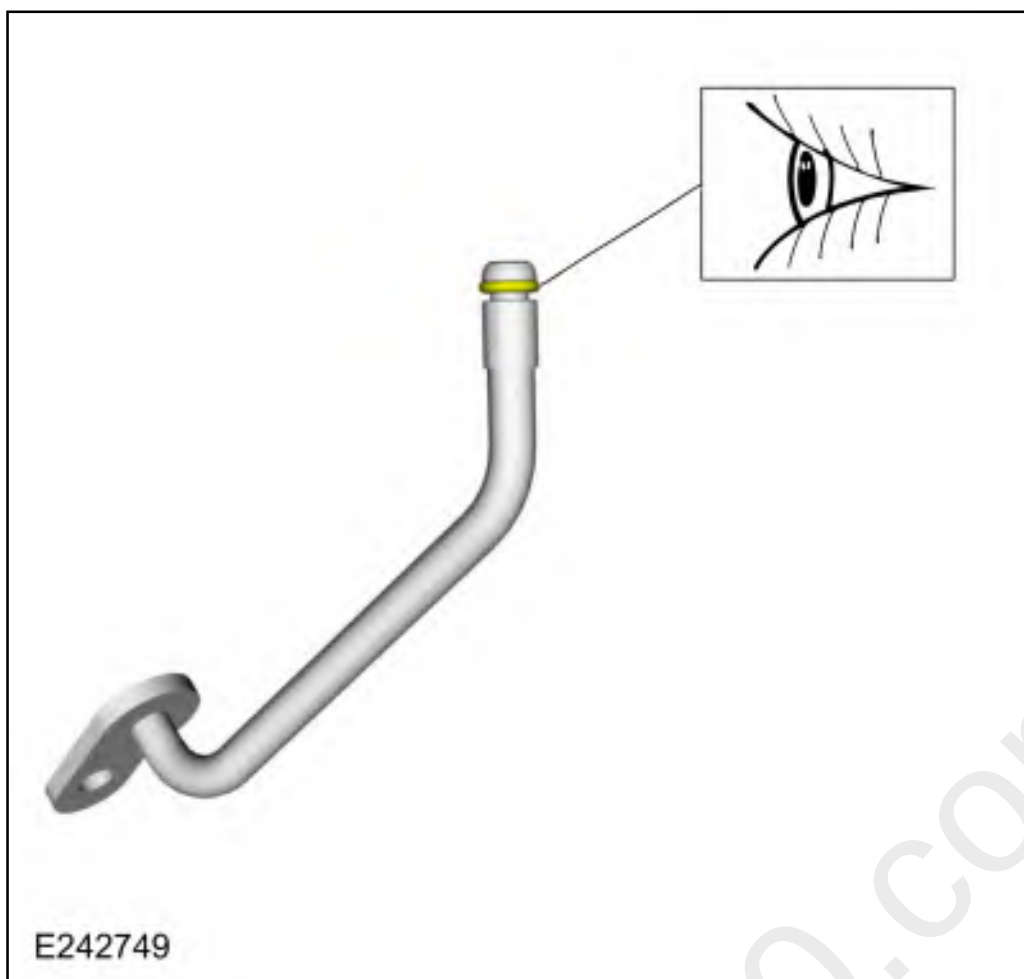
4. Install the transmission fluid auxiliary pump tube seal.



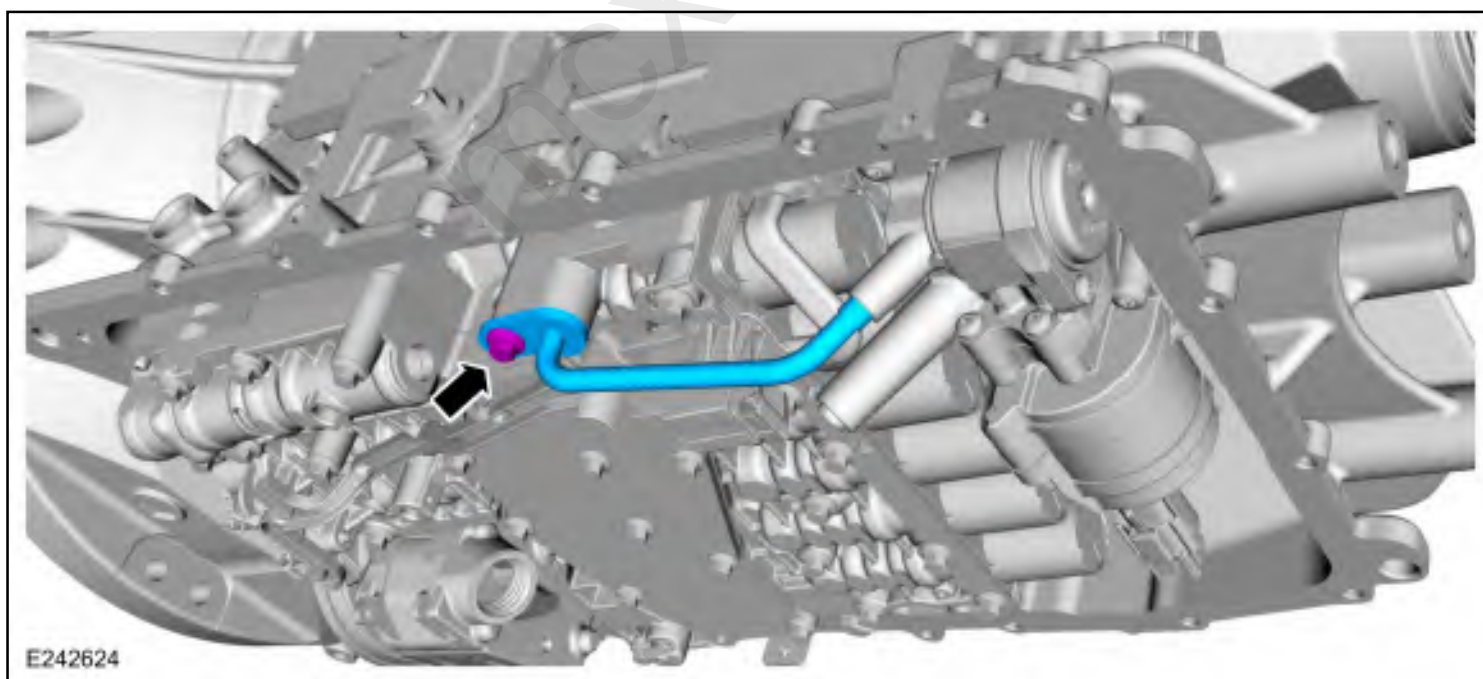
E242747



5. Inspect the transmission fluid auxiliary pump tube O-ring.

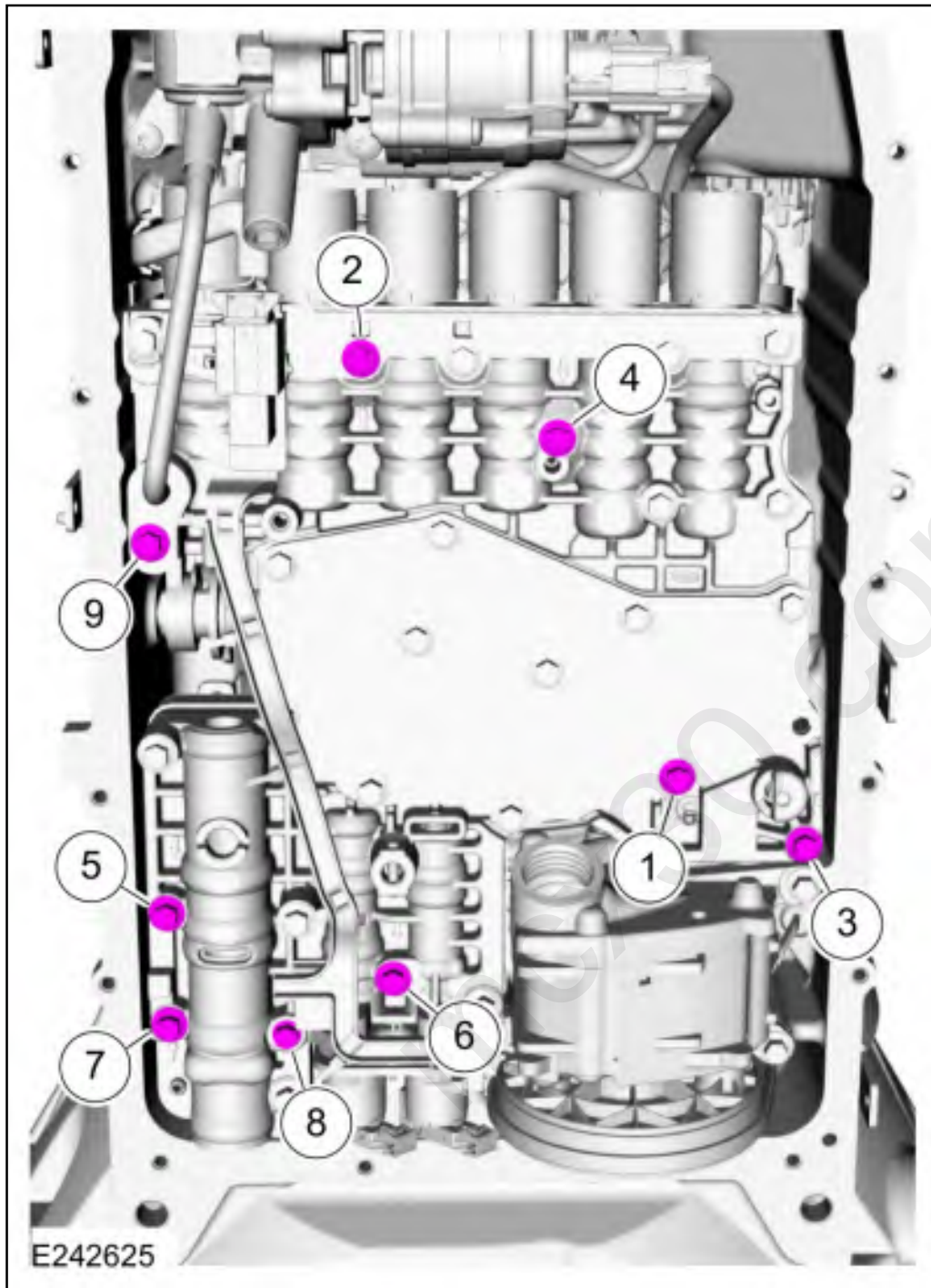


6. Install the transmission fluid auxiliary pump tube and loosely install the bolt.



1. Tighten the bolts No. 1-8 in the sequence shown.
Torque: 89 lb.in (10 Nm)

2. Tighten bolt No. 9
Torque: 106 lb.in (12 Nm)



8. Install the transmission fluid pan gasket and filter.
Refer to: [Transmission Fluid Pan, Gasket and Filter - Raptor](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
Refer to: [Transmission Fluid Pan, Gasket and Filter](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
9. **NOTE:** *The solenoid body strategy data file and solenoid body identification must be updated*

anytime a new main control valve body is installed. A new main control valve body service tag must be installed over the current main control valve body service tag on the transmission case.

If a new main control valve body was installed, download a new transmission strategy.

Refer to: [Transmission Strategy Download](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, General Procedures).