

Main Control Valve Body

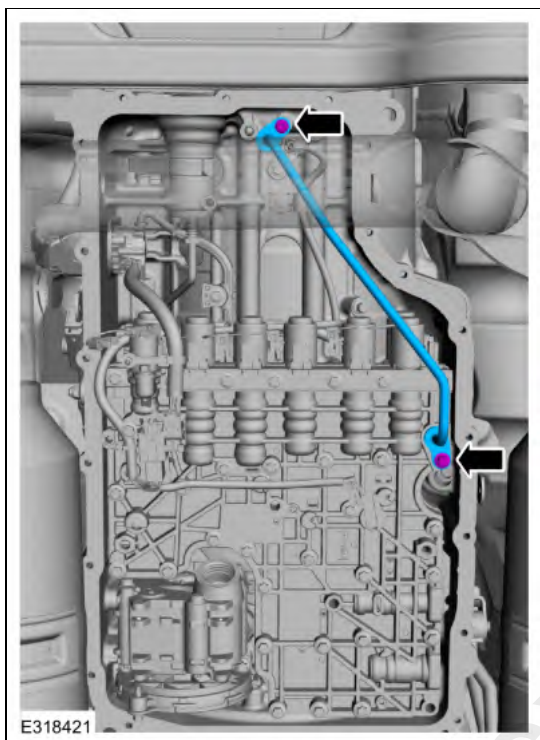
Removal

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

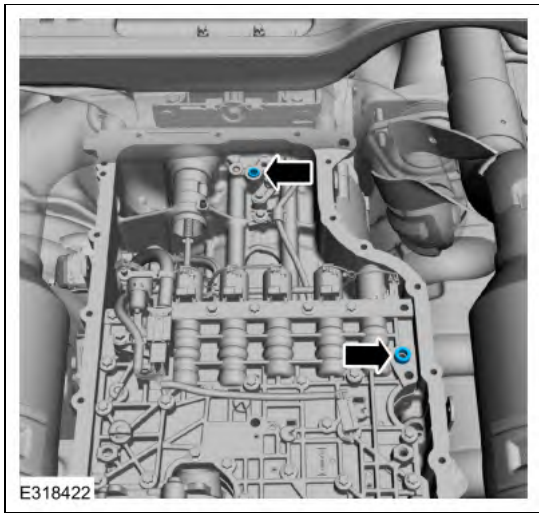
1. Remove the transmission fluid pan gasket and filter.
Refer to: Transmission Fluid Pan, Gasket and Filter (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R140, Removal and Installation).

Vehicles equipped with a slip yoke transmission

2. Remove the bolts and the transmission fluid feed tube.

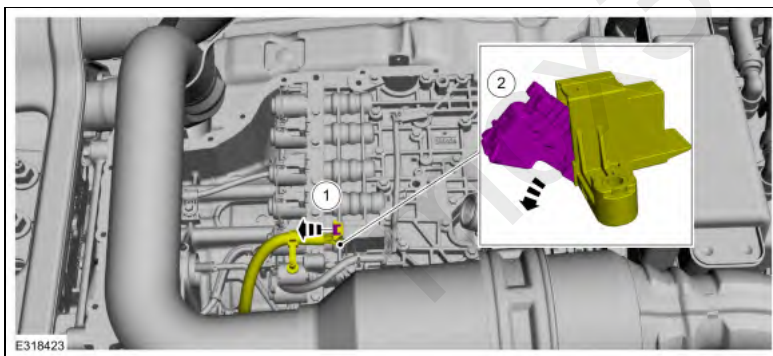


3. Remove the slip yoke transmission fluid feed tube seals.

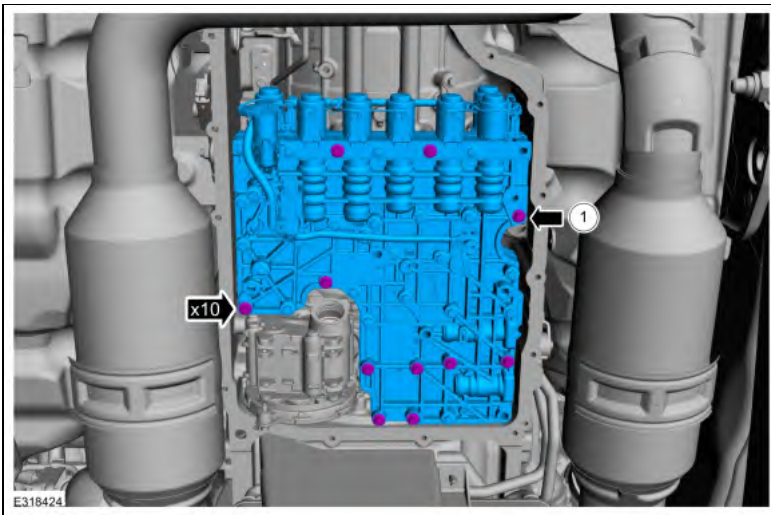


All vehicles

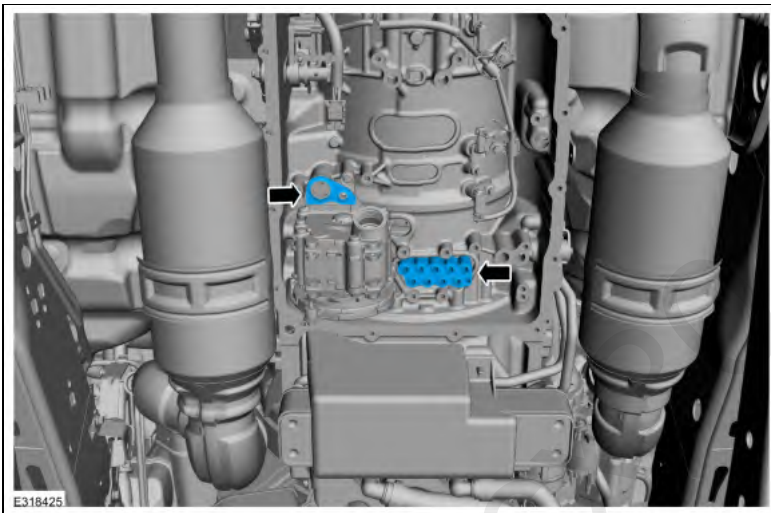
4. Disconnect the main control main electrical connector.
 1. Release the locking tab.
 2. Rotate the locking arm down.



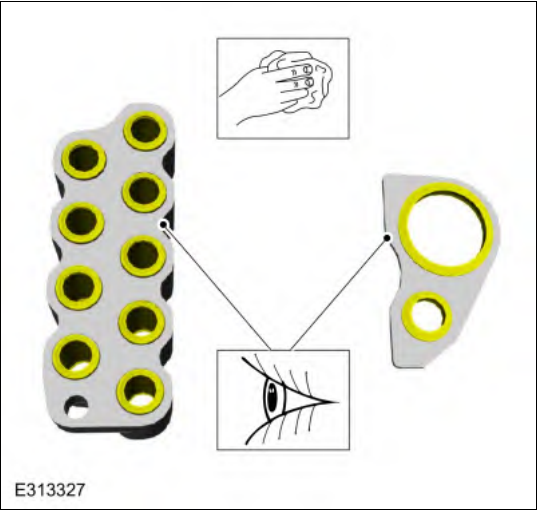
5. Remove the bolts and the main control assembly.
 1. **NOTE:** All except slip yoke transmissions.



6. Remove the main control manifold seal and the fluid pump gasket.

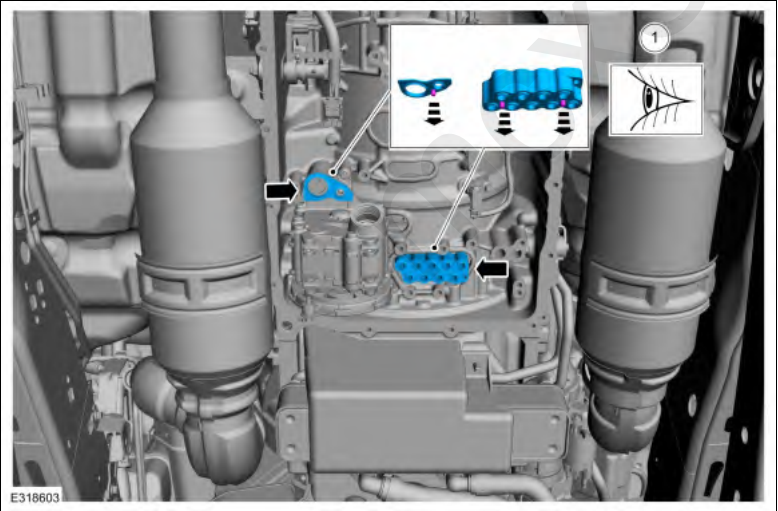


7. Clean and inspect the main control manifold seal and the fluid pump gasket for damage.

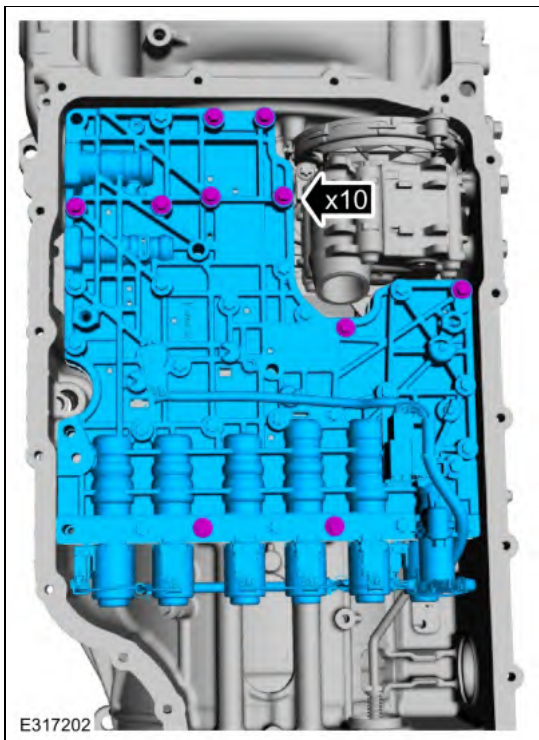


Installation

1. Install the main control manifold seal and the fluid pump gasket.
 1. Align the guide pins with the holes in the transmission case.



2. Install the main control assembly and loosely install the 2.67 in (68 mm) bolts.

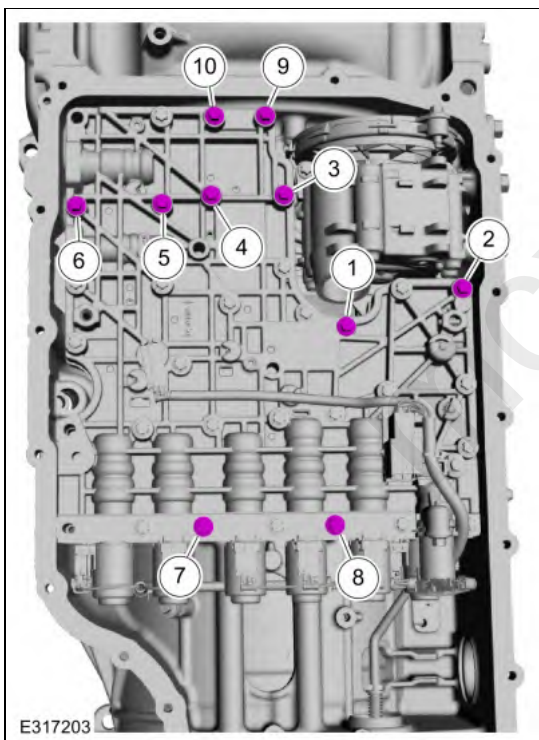


3. Tighten the 2.67 in (68 mm) bolts in the sequence shown.

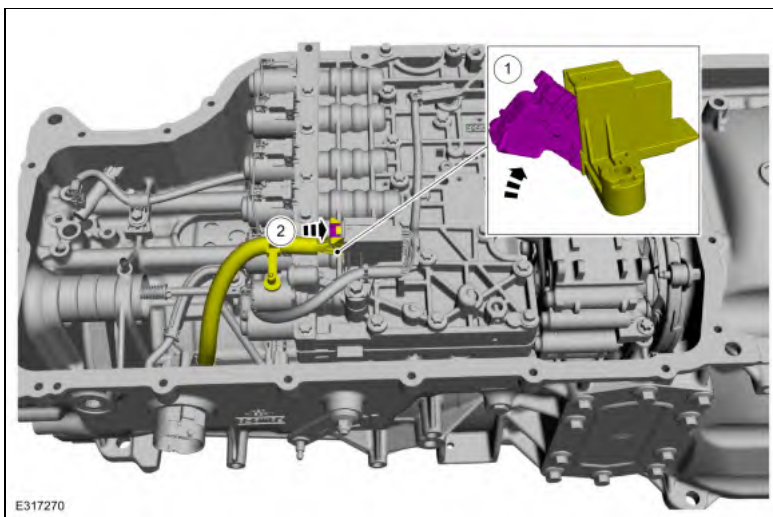
Torque:

Stage 1: 62 lb.in (7 Nm)

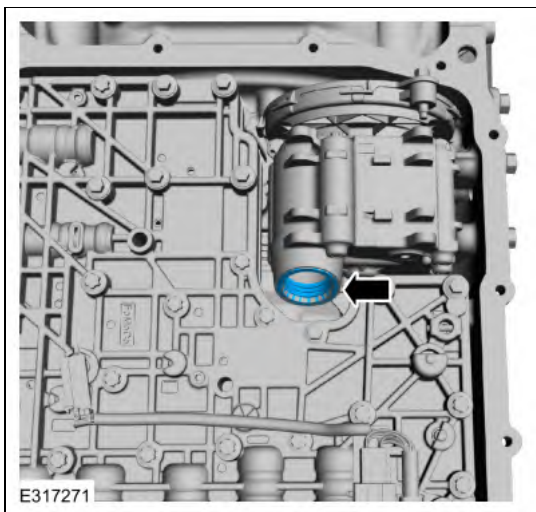
Stage 2: 97 lb.in (11 Nm)



4. Connect the main control main electrical connector.
1. Rotate the locking arm up.
 2. Slide the locking tab in.



5. Install the transmission fluid filter seal in the pump.



6. **NOTICE:** If the bolts are installed in the wrong locations, transmission damage will occur.

NOTE: The transmission fluid filter may be reused if no excessive contamination is indicated.

Install the filter and the bolts in the correct locations.

1. bolt

Torque: 97 lb.in (11 Nm)

Dimension: 2.68 in (68 mm)

2. bolt

Torque: 97 lb.in (11 Nm)

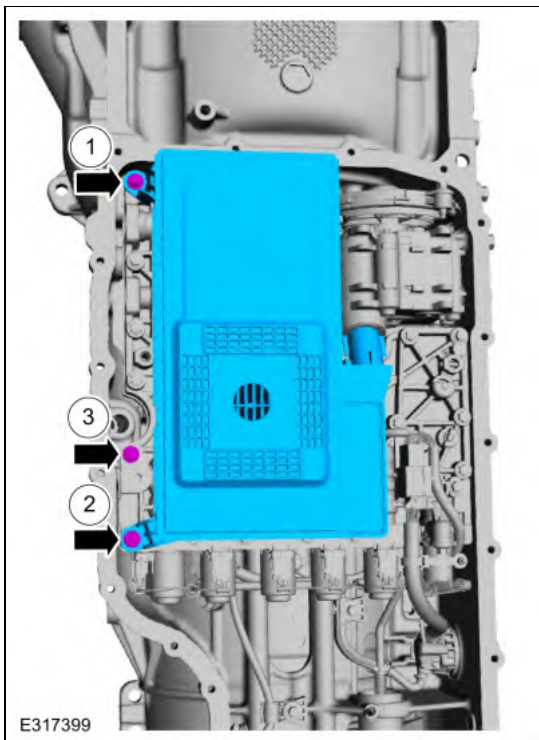
Dimension: 1.97 in (50 mm)

3. **NOTE:** All except slip yoke transmissions.

bolt

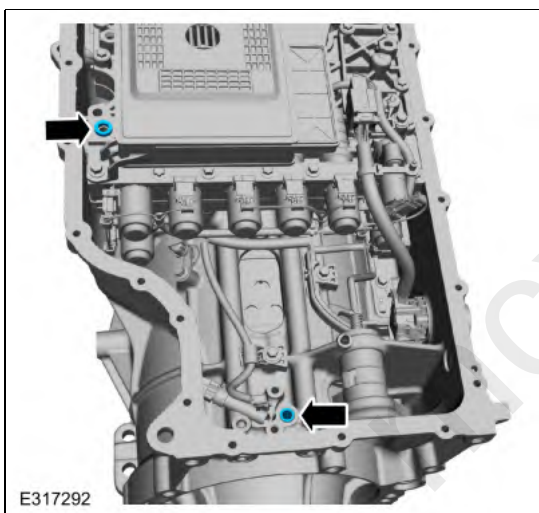
Torque: 97 lb.in (11 Nm)

Dimension: 2.87 in (73 mm)

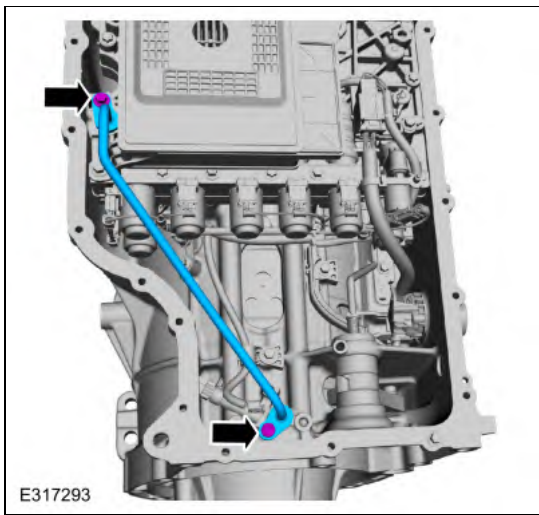


Vehicles equipped with a slip yoke transmission

7. Install the slip yoke transmission fluid feed tube seals.



8. Install the transmission fluid feed tube and the bolts.
Torque: 97 lb.in (11 Nm)



All vehicles

- 9. Install the transmission fluid pan gasket and filter.
Refer to: Transmission Fluid Pan, Gasket and Filter (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€” 10R140, Removal and Installation).
- 10. **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 (307-01D) .