

307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80
Removal and Installation

2019 Ranger
Procedure revision date: 01/29/2018

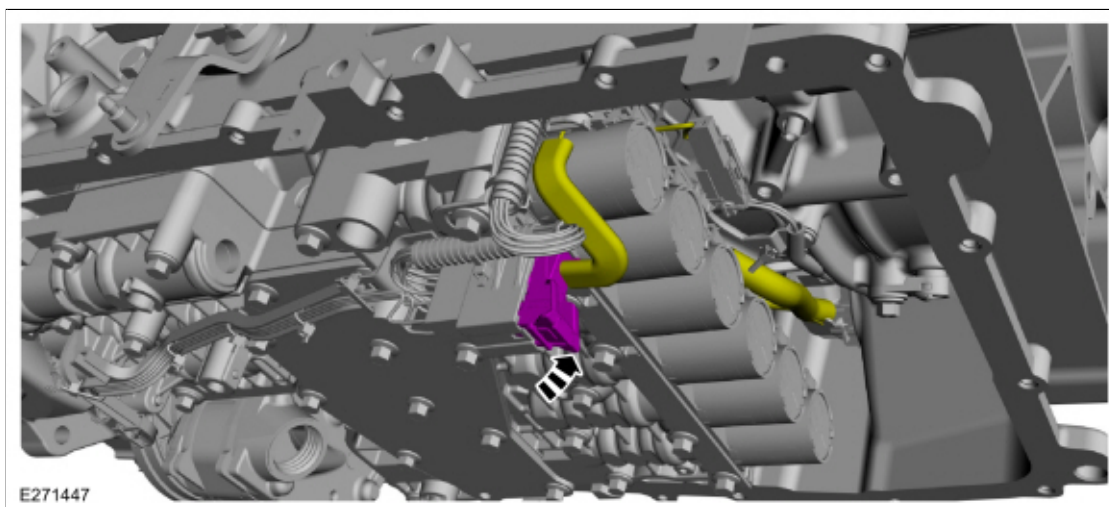
Main Control Valve Body

Base Part Number: 7A100

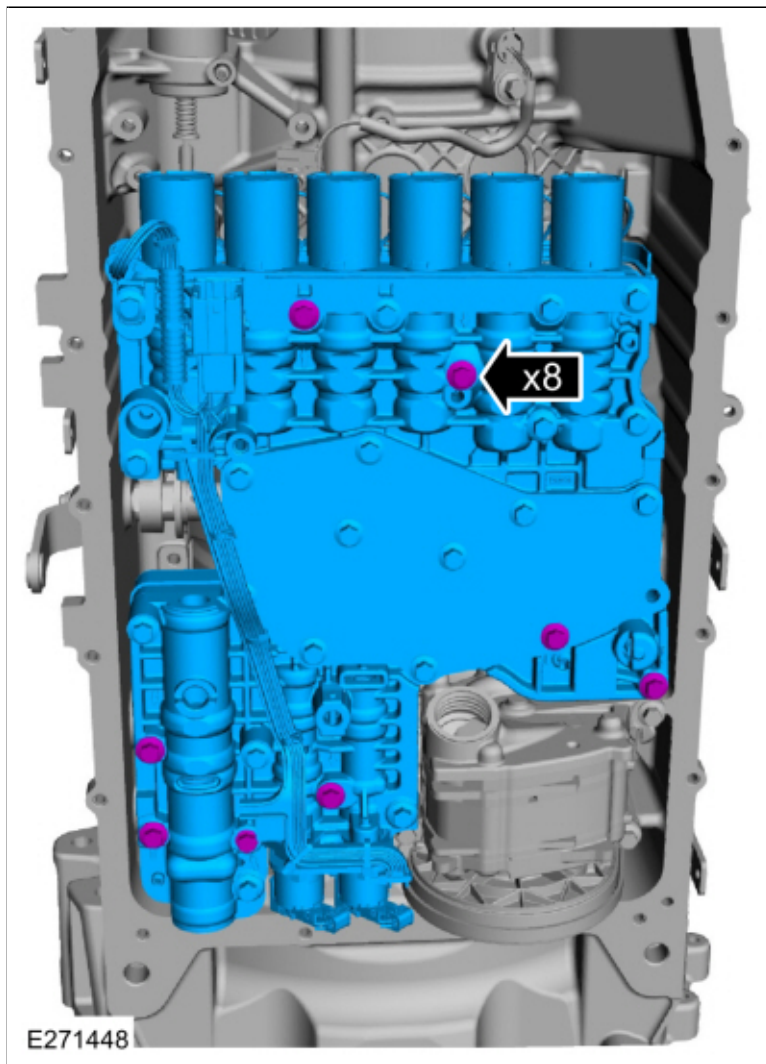
Removal

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

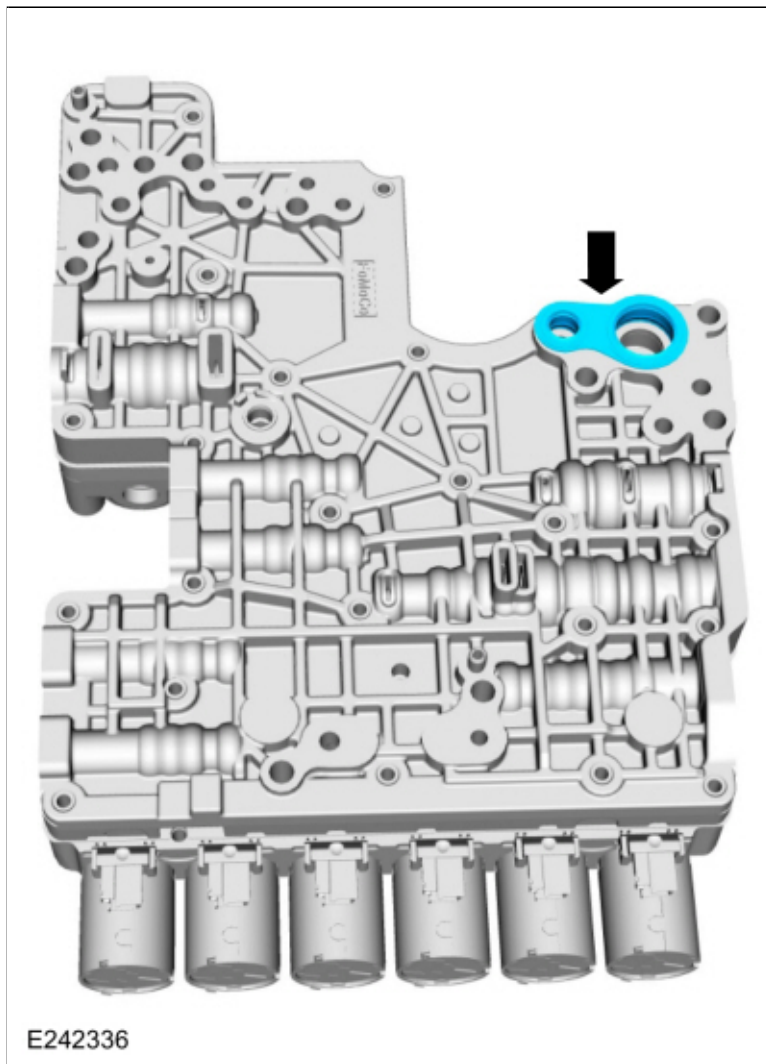
1. Remove the transmission fluid pan gasket and filter.
Refer to: [Transmission Fluid Pan, Gasket and Filter](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).
Refer to: Transmission Fluid Pan, Gasket and Filter - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS) (307-01A) .
2. Unlock and disconnect the internal wiring harness electrical connector.



3. Remove the bolts and the main control valve body.

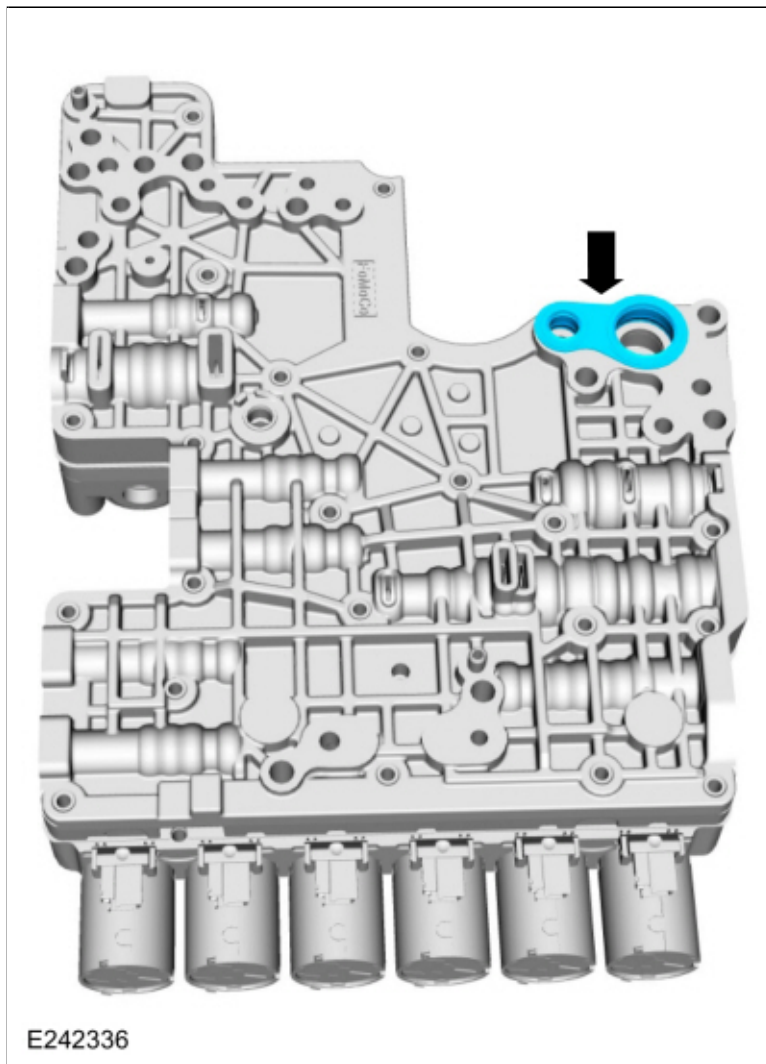


4. Remove the main control assembly to transmission fluid pump seal.



Installation

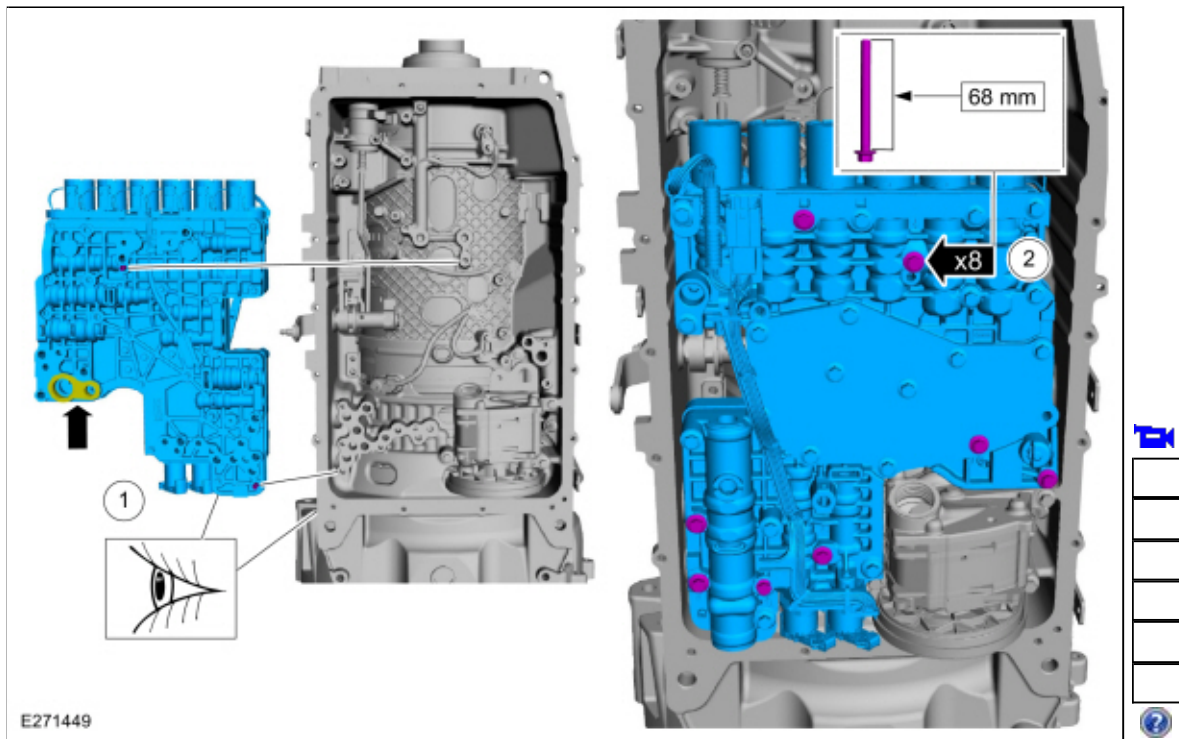
1. Install the main control assembly to transmission fluid pump seal.



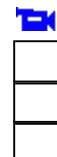
2. **NOTICE:** Do not install a 71 mm length bolt in the location shown or the transmission clutch and planetary container will be damaged and result in transmission failure.

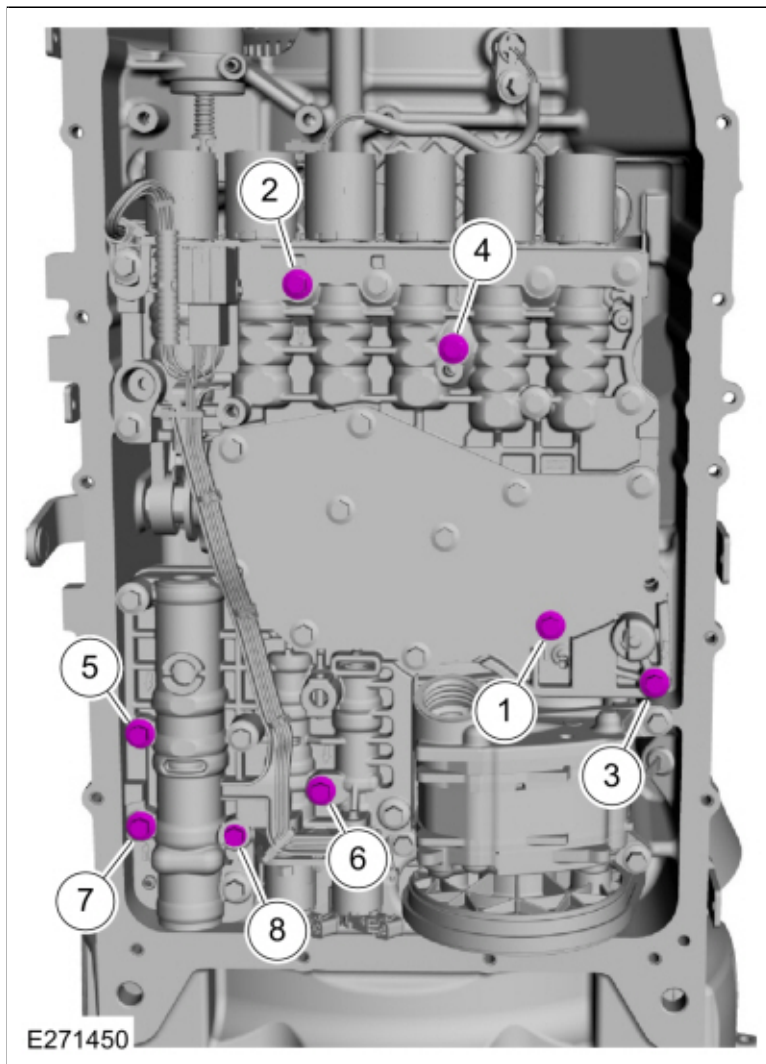
Loosely install the main control valve body.

1. Align the guide pins on the main control valve body with the alignment holes in the transmission case.
2. Loosely install the 68 mm length main control-to-transmission case bolts.

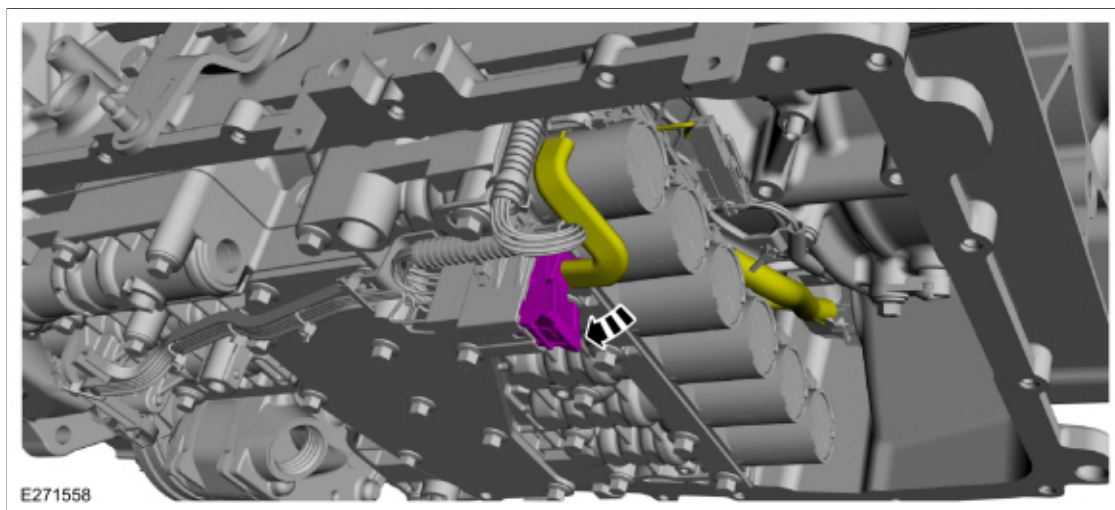


3. Tighten the bolts in the sequence shown.
Torque: 89 lb.in (10 Nm)





4. Connect the internal wiring harness electrical connector.



5. Install the transmission fluid pan gasket and filter.

Refer to: [Transmission Fluid Pan, Gasket and Filter](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, Removal and Installation).

Refer to: Transmission Fluid Pan, Gasket and Filter - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS) (307-01A) .

6. **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](#) (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R80, General Procedures).

Copyright © 2019 Ford Motor Company
