

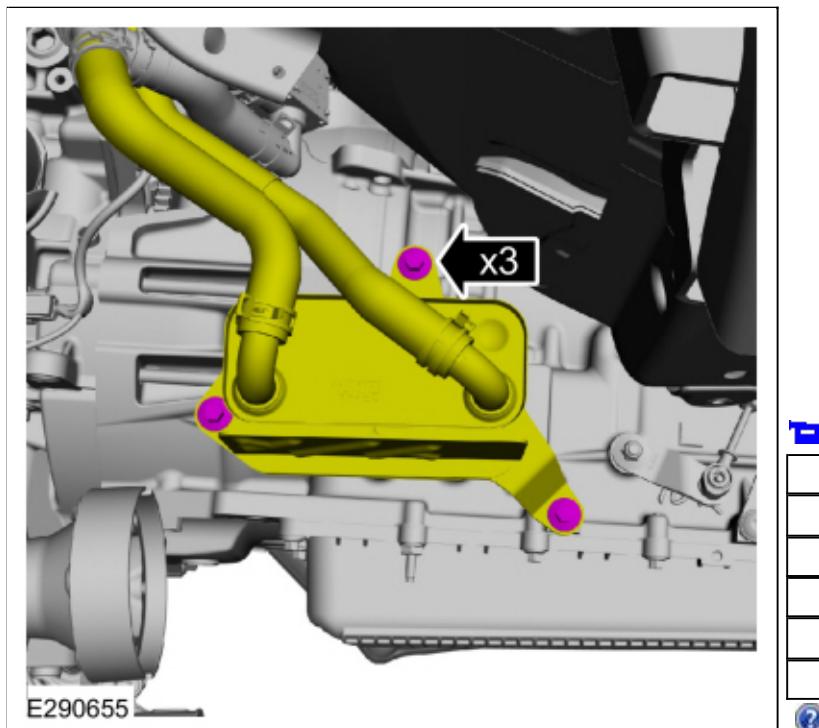
Transmission Line Pressure Test

Materials

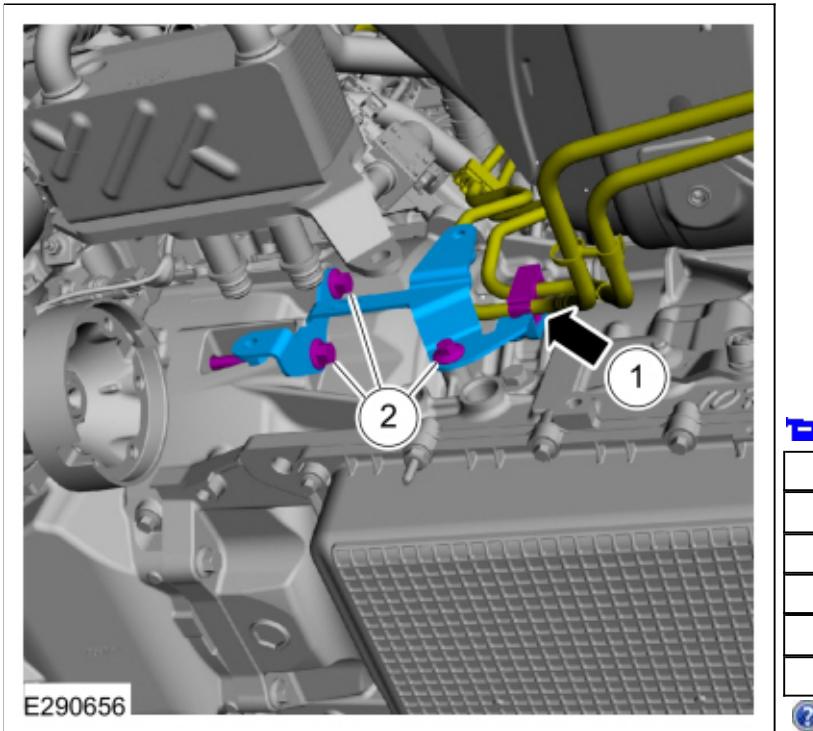
Name	Specification
Motorcraft® MERCON® ULV Automatic Transmission Fluid XT-12-QLUV	WSS-M2C949-A MERCON® ULV

Disconnect

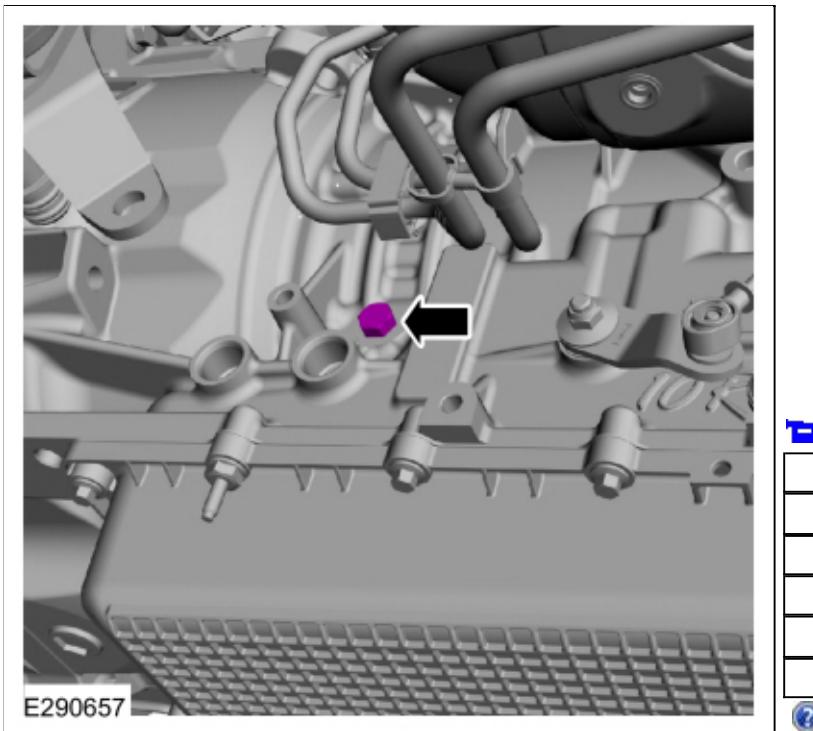
1. With the vehicle in NEUTRAL, position it on a hoist.
 Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).
2. If equipped with 4WD, remove the front driveshaft.
 Refer to: [Front Driveshaft](#) (205-01 Driveshaft, Removal and Installation).
3. Remove the bolts and position aside the transmission fluid cooler.



4. 1. Disconnect the fuel line retainer.
 2. Remove the bolts and the transmission fluid cooler bracket.

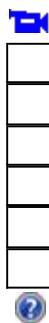
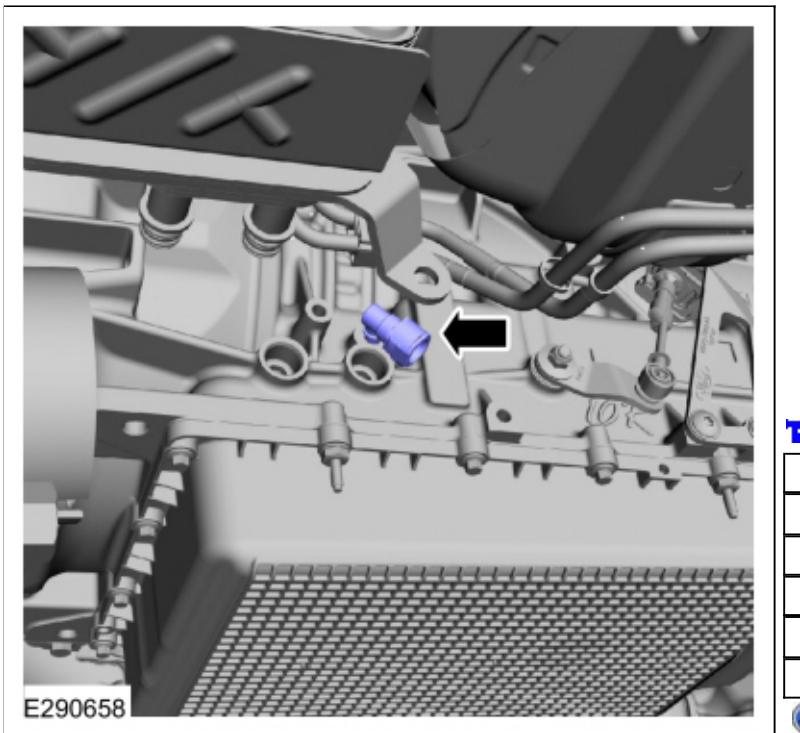


5. Remove the line pressure plug.

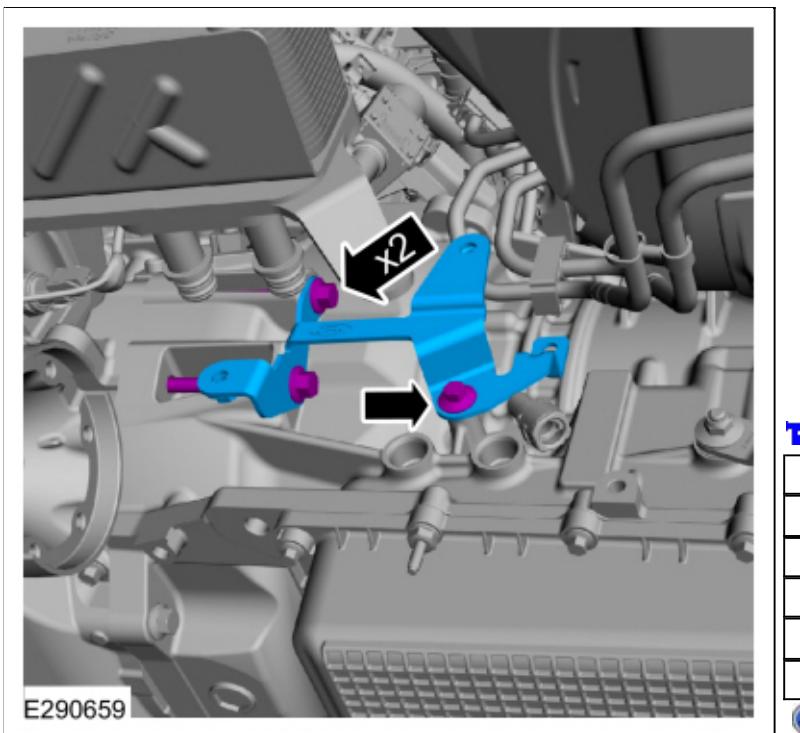


6. **NOTICE: The line pressure tap is an M10 X 1.00 thread. Do not use a National Pipe Thread (NPT) fitting when installing a pressure gauge. If a NPT fitting is used, damage to the transmission case will occur.**

Install a 90° M10 X 1.00 fitting into the transmission line pressure port.

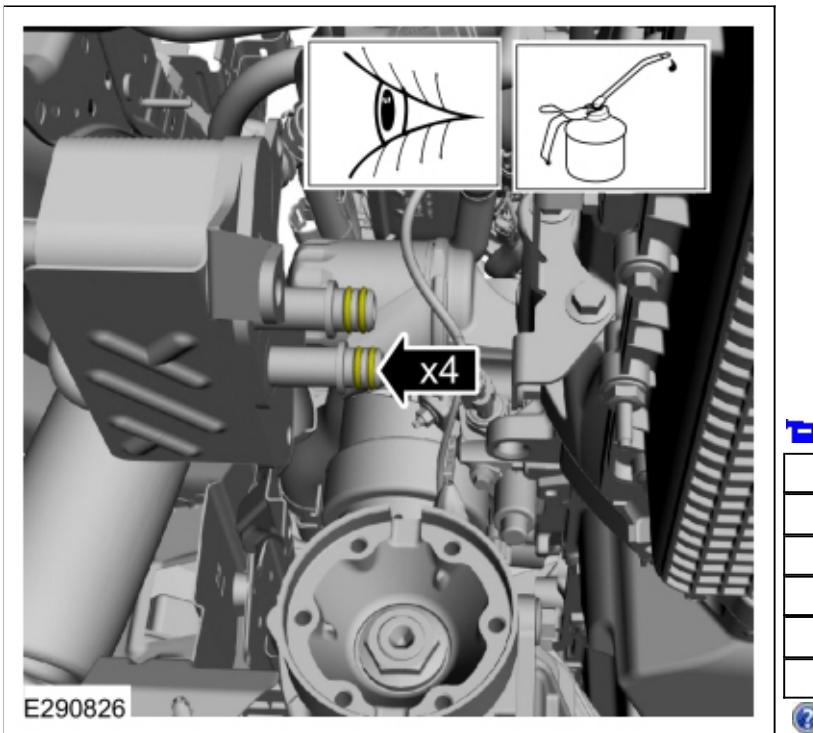


7. Install the transmission fluid cooler bracket and loosely install the bolts.

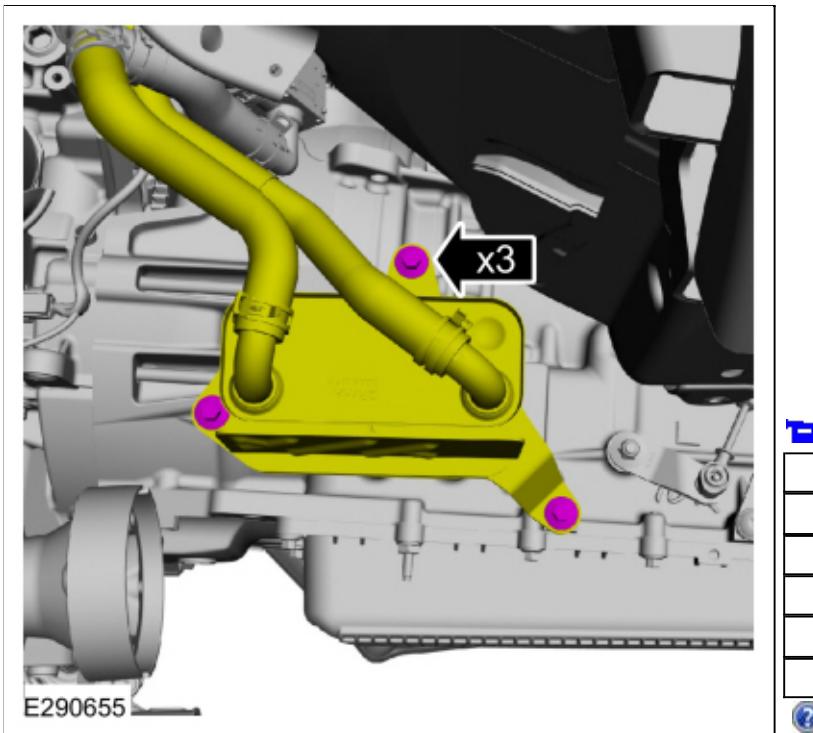


8. Inspect the transmission fluid cooler O-ring seals and install new O-ring seals if necessary. Lubricate the O-ring seals.

Material: Motorcraft® MERCON® ULV Automatic Transmission Fluid / XT-12-QLUV (WSS-M2C949-A) (MERCON® ULV)



9. Install the transmission fluid cooler and loosely install the bolts.

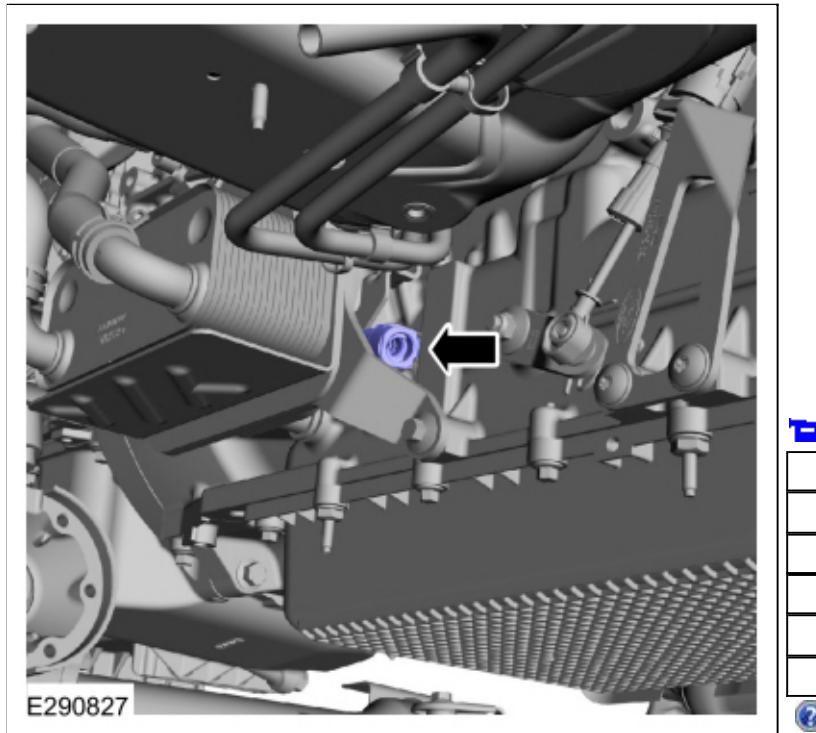


10.

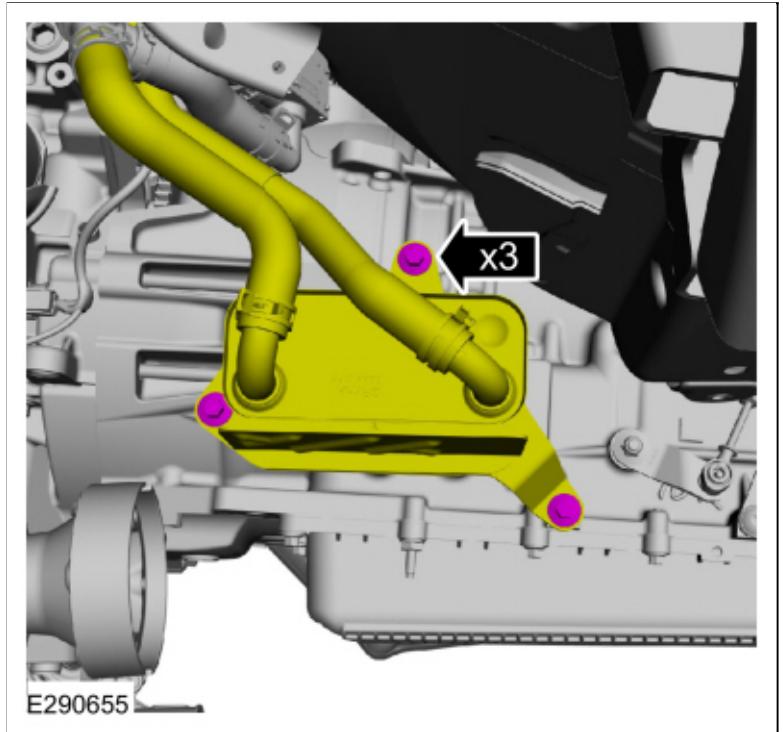
1. Connect the Transmission Fluid Pressure Gauge to the 90° M10 X 1.00 fitting.
2. Start the engine and check the line pressures. Refer to the Line Pressure Chart to determine if the line pressure is within specification.

Refer to: [Special Testing Procedures](#) (307-01 Automatic Transmission - 10-Speed Automatic)

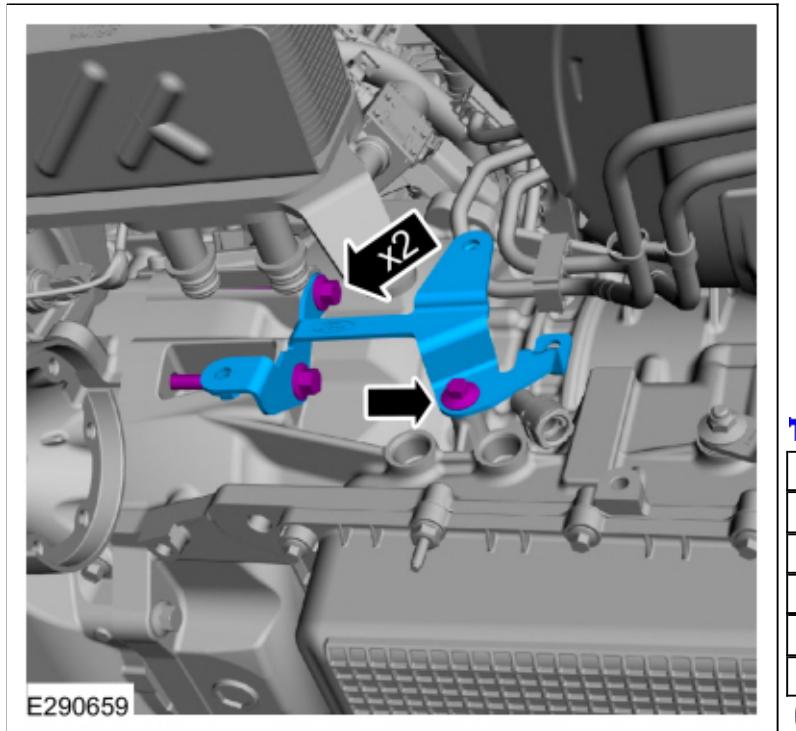
Transmission - 10R80, Diagnosis and Testing).



11. Remove the bolts and position aside the transmission fluid cooler.

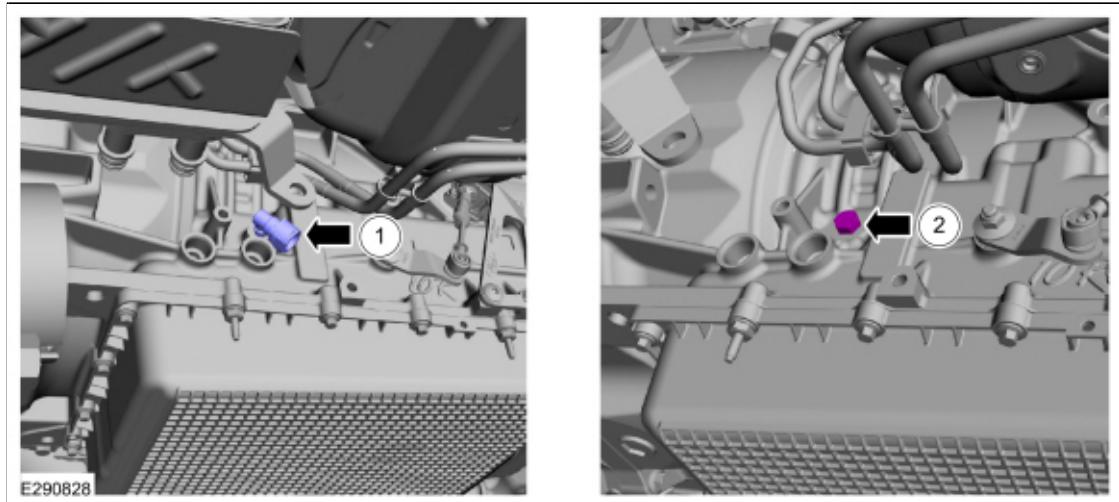


12. Remove the bolts and the transmission fluid cooler bracket.



13.

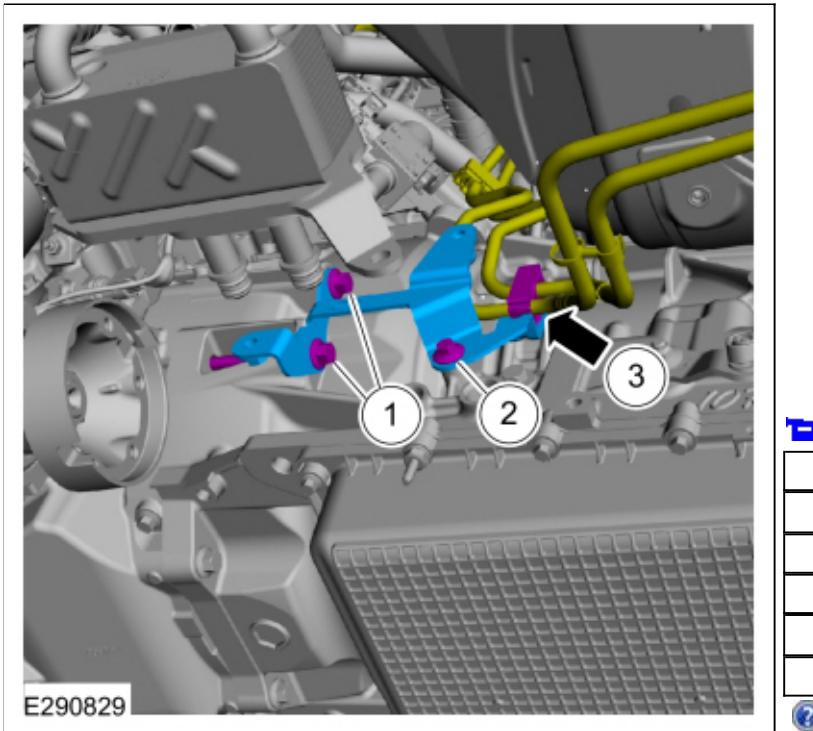
1. Remove the Transmission Fluid Pressure Gauge and the 90° M10 X 1.00 fitting.
2. Install the line pressure plug.
Torque: 97 lb.in (11 Nm)



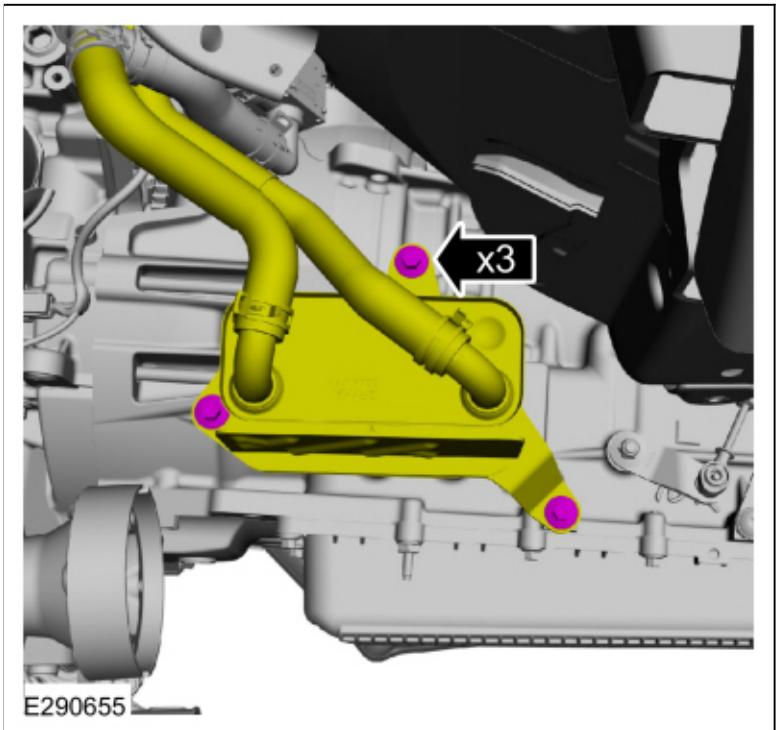
14.

Install the transmission fluid cooler bracket.

1. *Torque: 35 lb.ft (48 Nm)*
2. *Torque: 177 lb.in (20 Nm)*
3. Connect the fuel line retainer.



15. Install the transmission fluid cooler and the bolts.
Torque: 177 lb.in (20 Nm)



16. If equipped with 4WD, install the front driveshaft.
Refer to: [Front Driveshaft](#) (205-01 Driveshaft, Removal and Installation).

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