

Transmission

Special Tool(s) / General Equipment

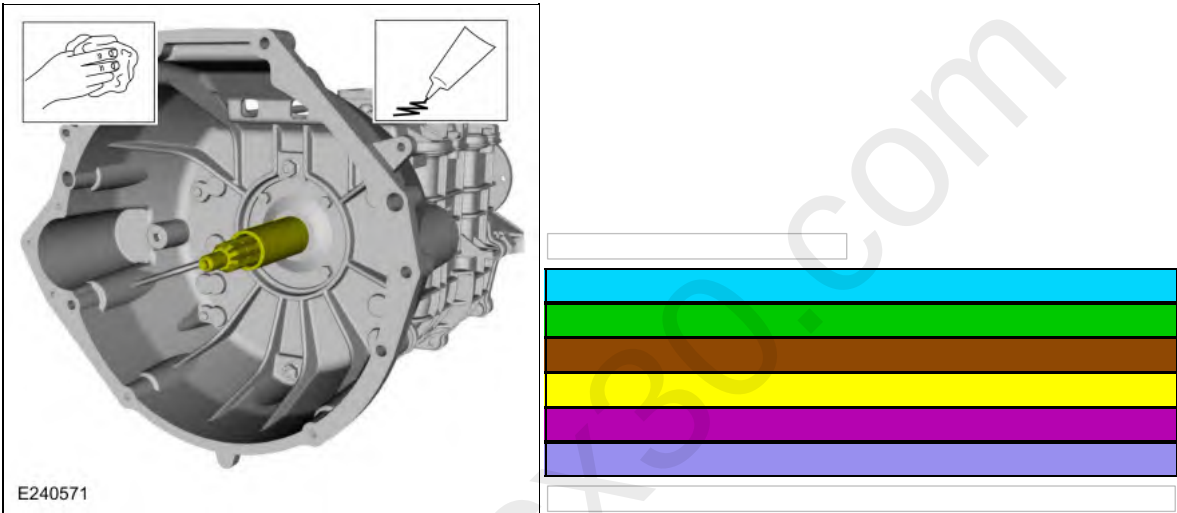
Transmission Jack

Materials

Name	Specification
Motorcraft® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B

⚠️**WARNING:** Do not breathe dust or use compressed air to blow dust from storage containers or friction components. Remove dust using government-approved techniques. Friction component dust may be a cancer and lung disease hazard. Exposure to potentially hazardous components may occur if dusts are created during repair of friction components, such as brake pads and clutch discs. Exposure may also cause irritation to skin, eyes and respiratory tract, and may cause allergic reactions and/or may lead to other chronic health effects. If irritation persists, seek medical attention or advice. Failure to follow these instructions may result in serious personal injury.

- 1. Clean the input shaft and apply a small amount of grease to the splined surface and the pilot bearing surface.
Material: Motorcraft® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)

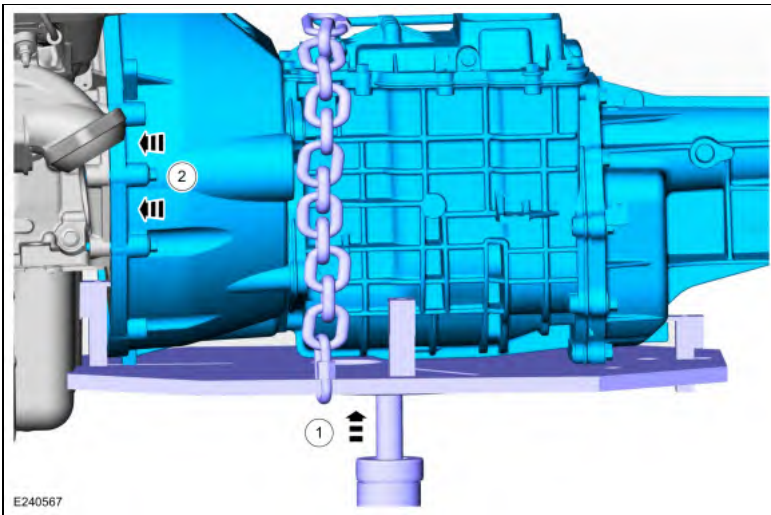


- 2. **NOTE:** Secure the transmission with a safety strap to the transmission jack.

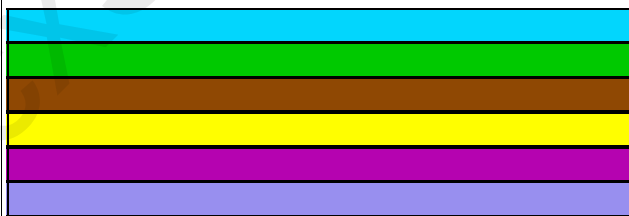
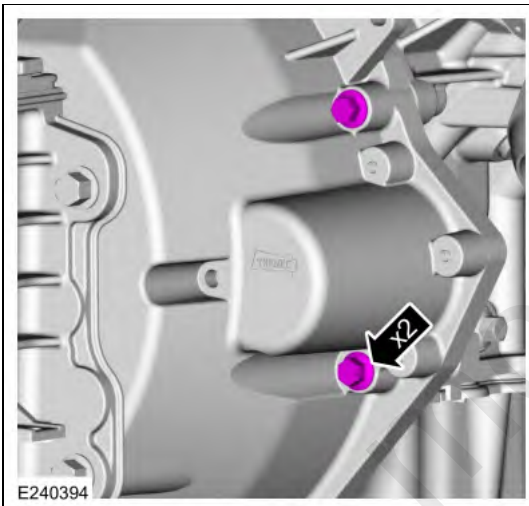
Using the high lift transmission jack, raise and position the transmission to the engine and clutch.

- 1. Raise and position the transmission to the engine and clutch.
- 2. Install the input shaft into the clutch.

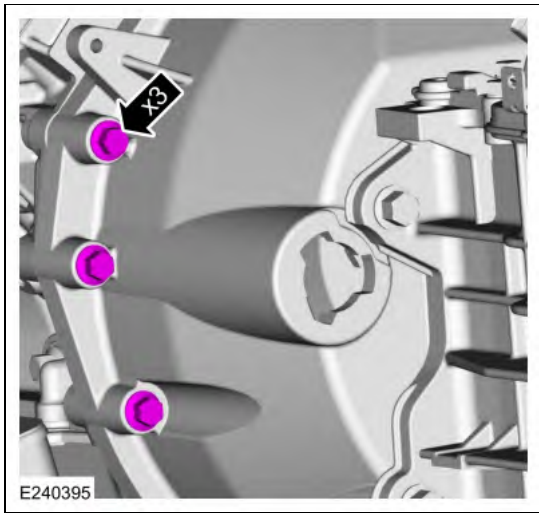
Use the General Equipment: Transmission Jack



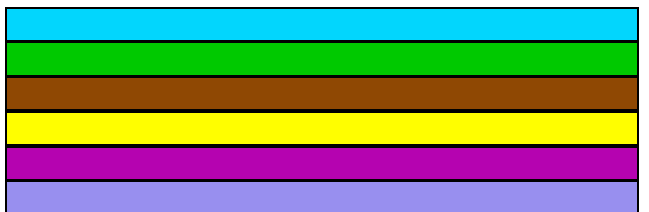
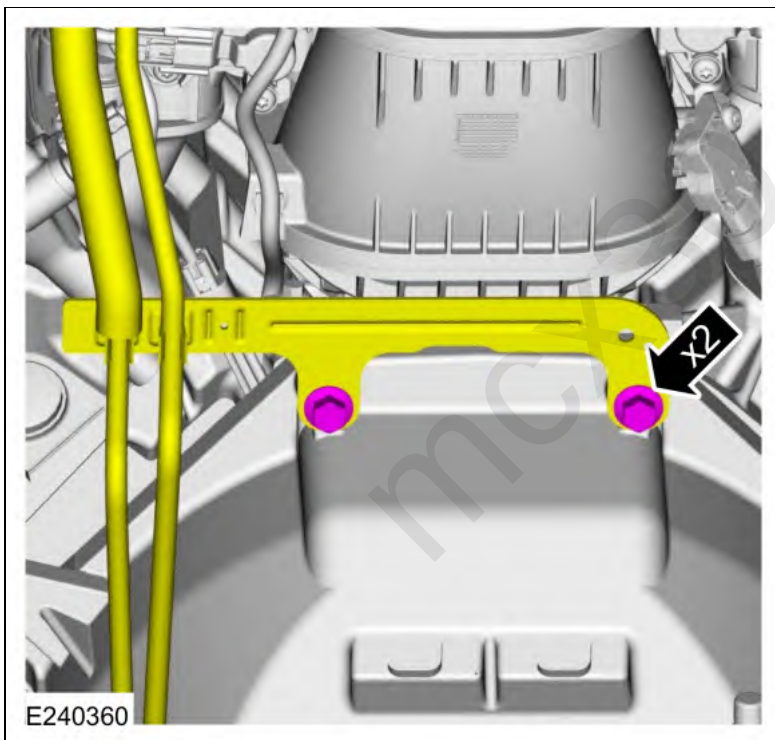
3. Install the RH bellhousing bolts.
Torque: 46 lb.ft (63 Nm)



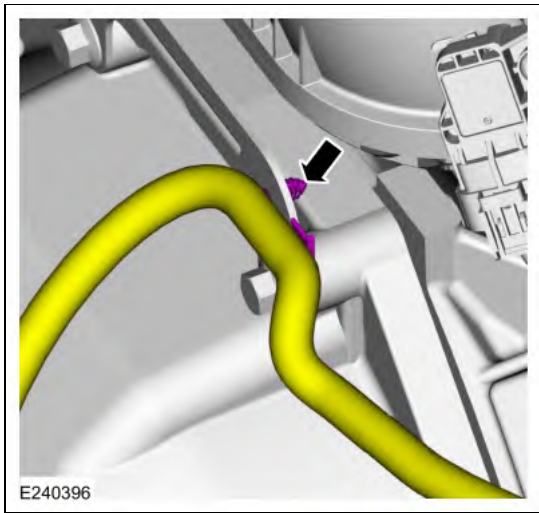
4. Install the LH bellhousing bolts.
Torque: 46 lb.ft (63 Nm)



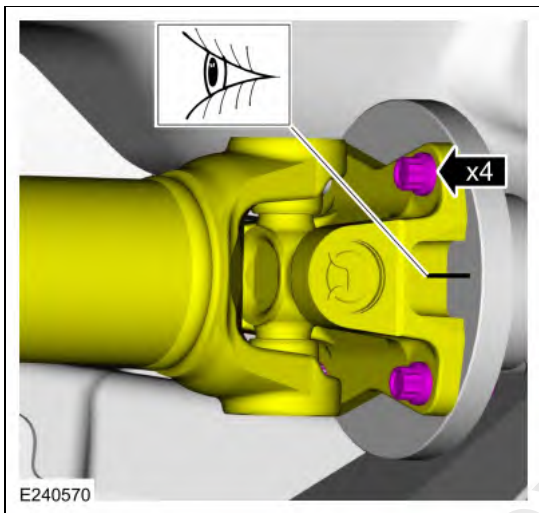
5. Install the fuel tubes bracket and the top bellhousing bolts.
Torque: 46 lb.ft (63 Nm)



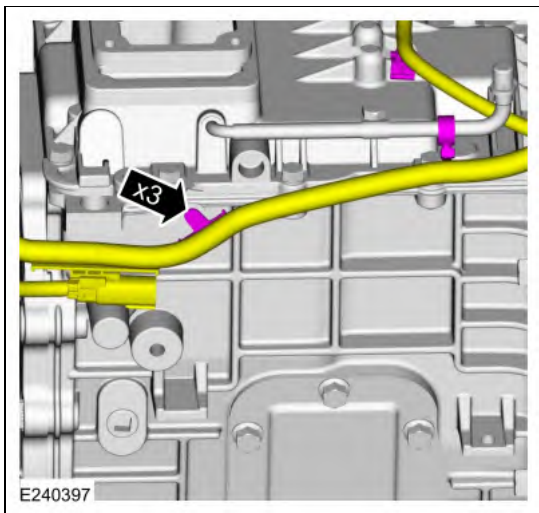
6. Connect the wiring harness retainer to the fuel tube mounting bracket.



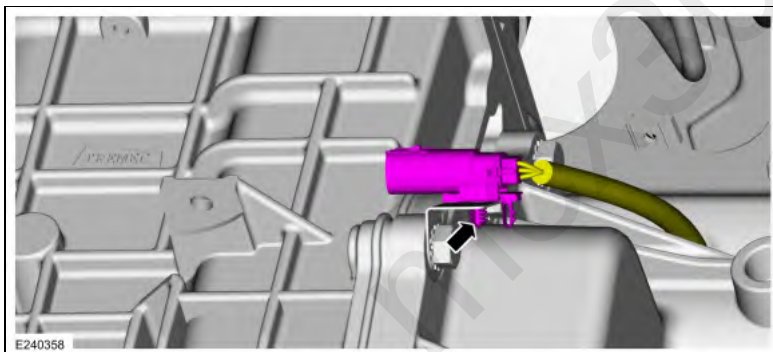
7. Position the driveshaft align the mark and install the new driveshaft-to-transmission flange bolts.
Torque: 76 lb.ft (103 Nm)



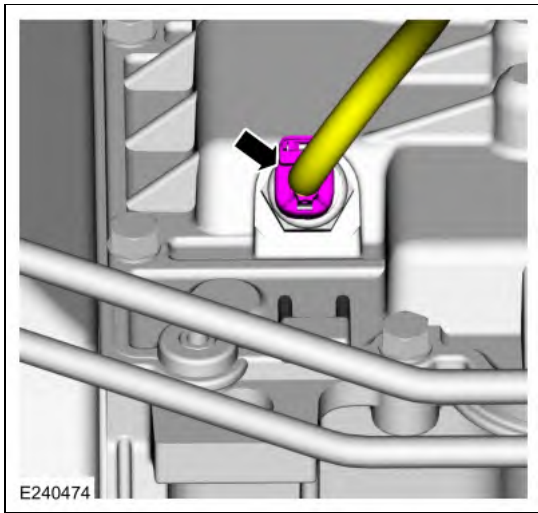
8. Install the transmission wiring harness retainers.



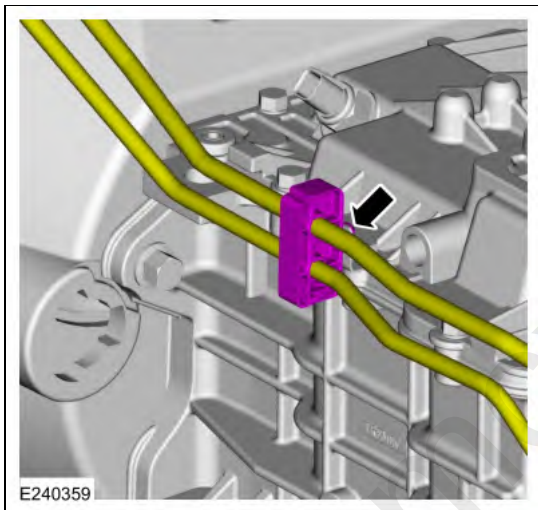
9. Install transmission harness connector retainer.



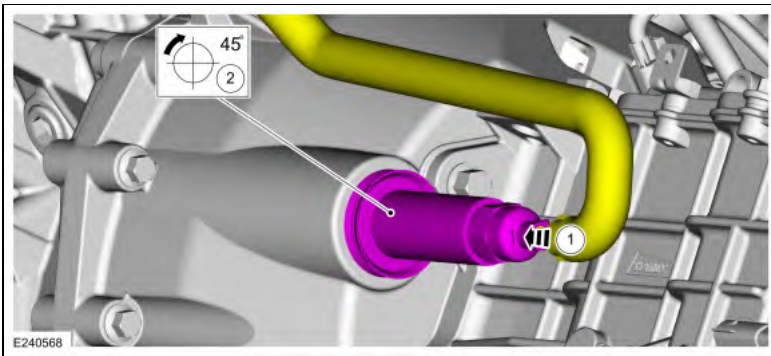
10. Connect the reverse lamp switch electrical connector.



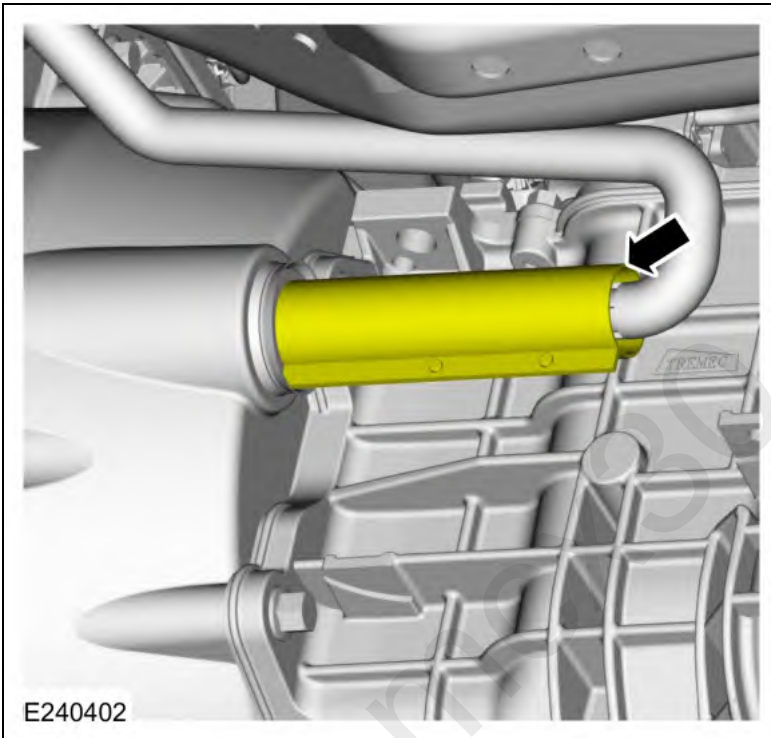
11. Install the fuel tubes and the fuel tube clip on the transmission.



12. Install the clutch slave cylinder.
- Push in and rotate the clutch slave cylinder clockwise 45° to the lock position.
 1. Push inward.
 2. Rotate clockwise 45°.



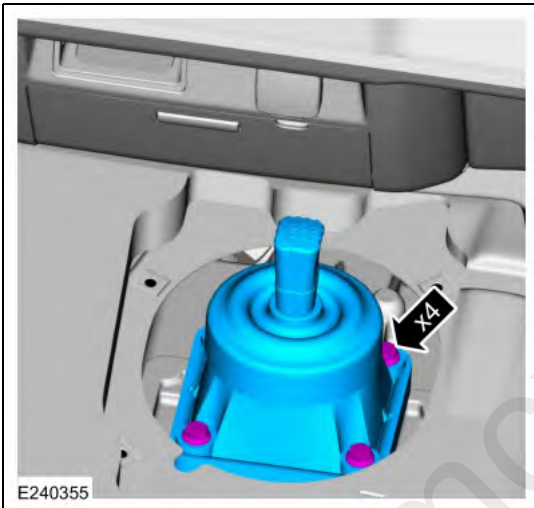
13. Slide the heat shield over the clutch slave cylinder.



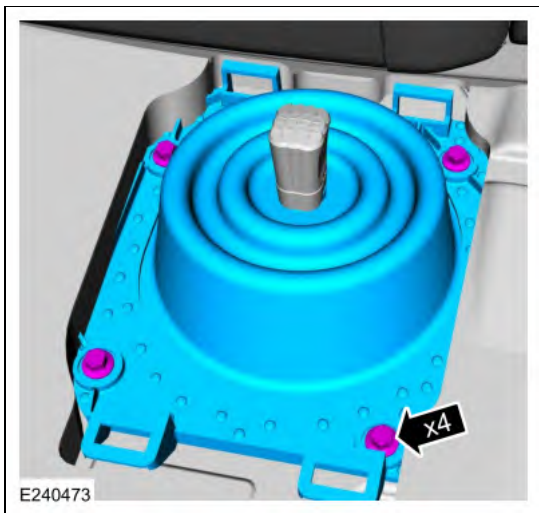
- 14. Install the exhaust Y-pipe with dual catalytic converters.
Refer to: Dual Catalytic Converter Y-Pipe (309-00A Exhaust System - 6.2L V8, Removal and Installation).
- 15. Install the engine-to-transmission spacer plate bolts.
Torque: 21 lb.ft (28 Nm)



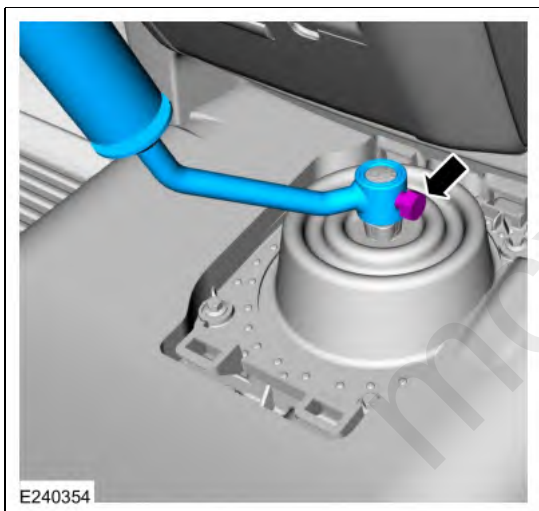
16. Install the starter motor.
Refer to: Starter Motor (303-06A Starting System - 6.2L V8, Removal and Installation).
17. Install the transmission support crossmember.
Refer to: Transmission Support Crossmember (502-02 Full Frame and Body Mounting, Removal and Installation).
18. Install the lower gear shift lever and the bolts.
Torque: 97 lb.in (11 Nm)



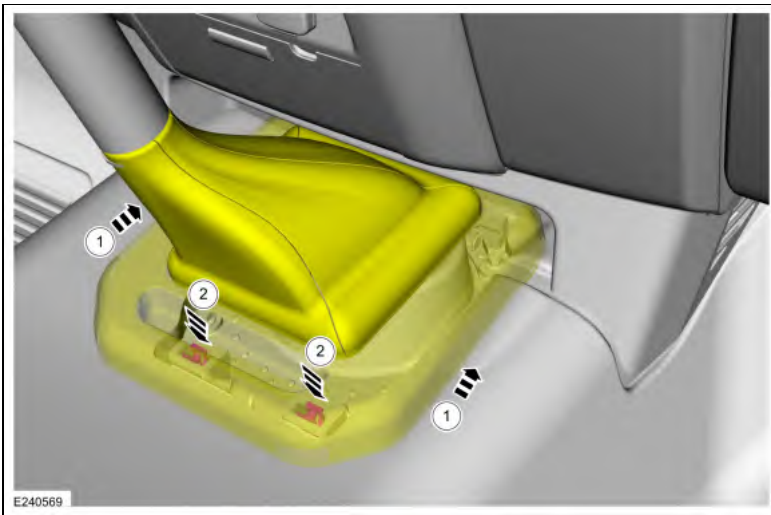
19. Install the lower gear shift lever boot and screws.
Torque: 44 lb.in (5 Nm)



20. Install the upper gear shift lever and tighten the bolt.
Torque: 22 lb.ft (30 Nm)



21. Install the upper gear shift lever boot.
1. Slide the upper gear shift lever boot forward to lock into the front tabs.
 2. Push down the rear of the upper gear shift lever boot to attach the clips.



22. Connect the battery ground cable.
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
23. Fill and check the transmission fluid.
Refer to: Transmission Draining and Filling (308-03 Manual Transmission, General Procedures).

mcx30.com