

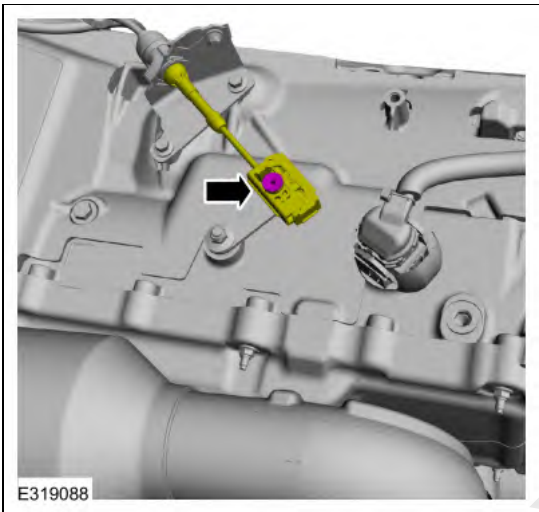
Transmission Range (TR) Sensor

Special Tool(s) / General Equipment

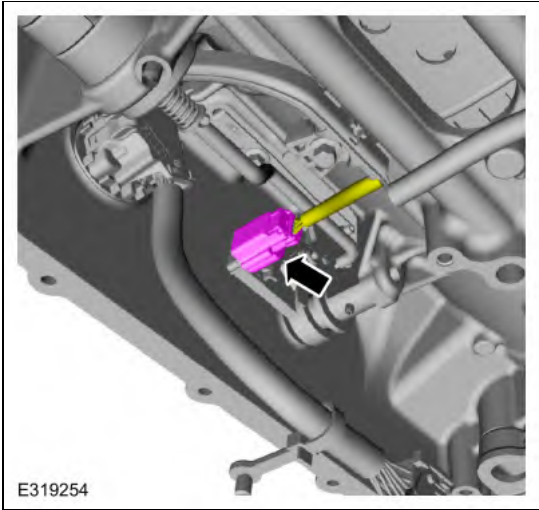
 E302629	307-783 Installer, Roll Pin
	Rubber Mallet
	Punch

Removal

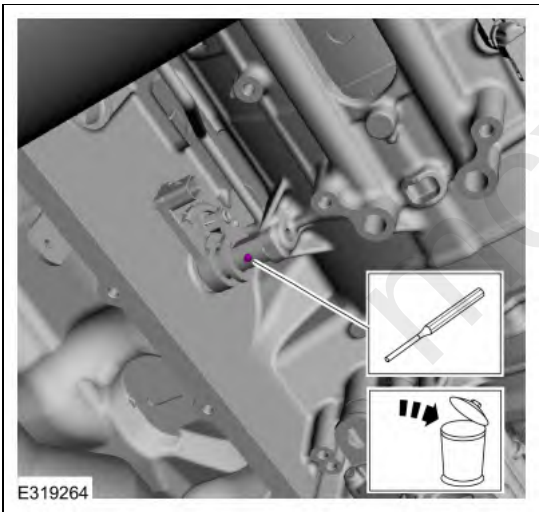
1. Remove the main control valve body.
Refer to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R140, Removal and Installation).
2. Disconnect the selector lever cable from the transmission manual lever.



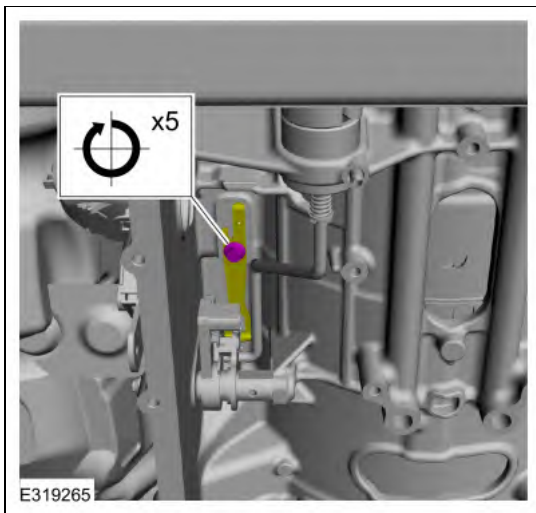
3. Disconnect the TR sensor electrical connector and position the transmission wiring harness aside.



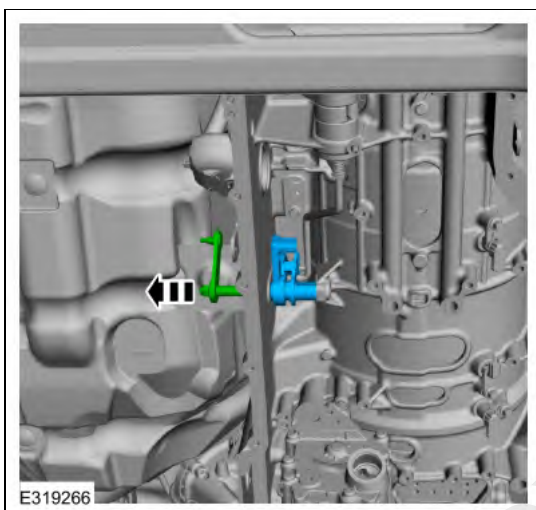
4. Using a punch, remove and discard the manual shaft-to-TR sensor roll pin (7G100).
Use the General Equipment: Punch



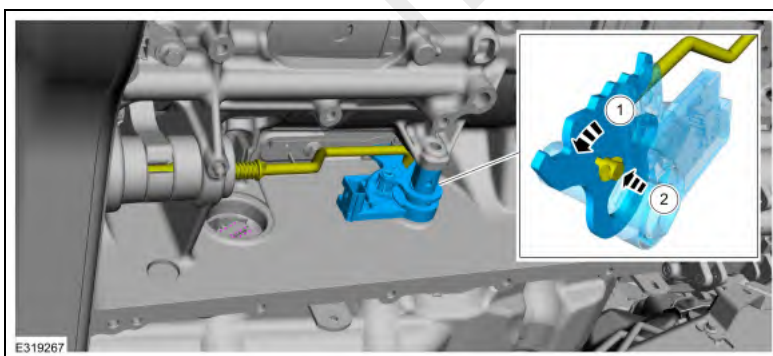
5. Loosen the detent spring bolt and the detent spring enough to remove the tension from the TR sensor.



6. Remove the manual shaft and selector lever from the TR sensor.

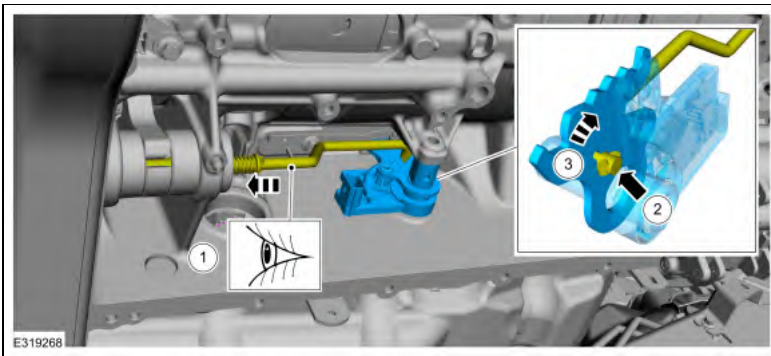


7. Remove the TR sensor (7H557).
1. Rotate the TR sensor.
 2. Disconnect the park pawl actuator rod and remove the TR sensor.

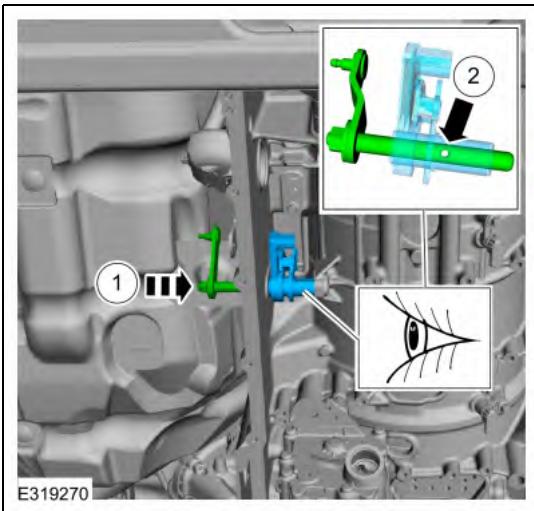


Installation

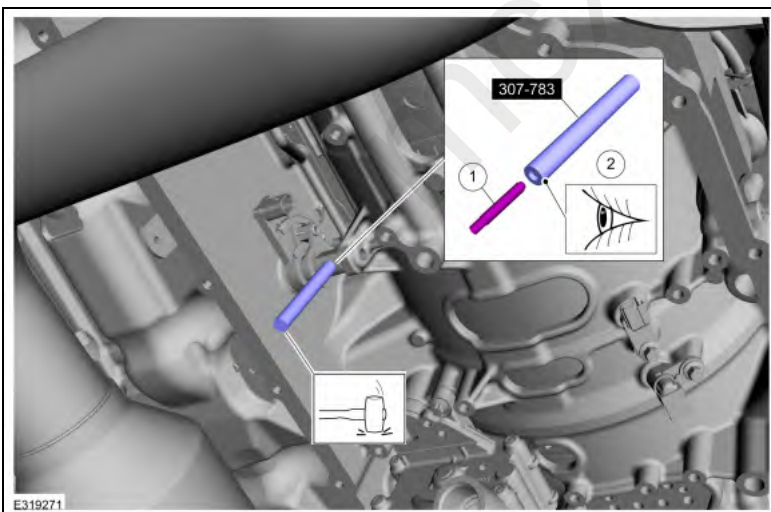
1. Install the TR sensor.
 1. Position the park pawl actuator rod into the park pawl sleeve.
 2. Connect the park pawl actuator rod to the TR sensor.
 3. Rotate the TR sensor.
 4. Align the TR sensor to the detent spring.



2.
 1. Slide the manual shaft and selector lever into the TR sensor.
 2. Align the TR sensor roll pin hole.

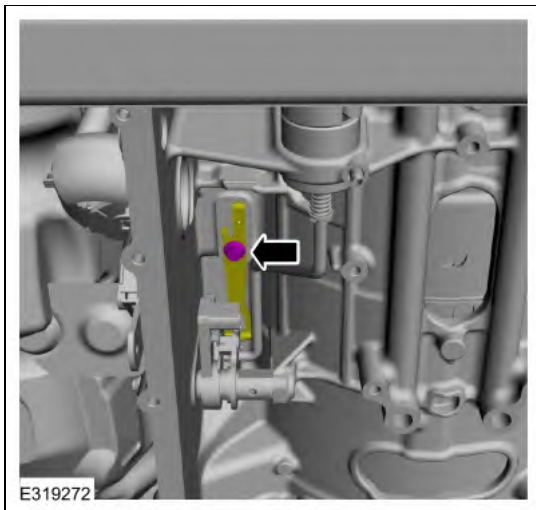


3.
 - Using the cupped end of the special tool, install the new manual shaft-to-TR sensor roll pin.
 1. New roll pin
 2. Cupped end of special tool
 Use Special Service Tool: 307-783 Installer, Roll Pin.
 Use the General Equipment: Rubber Mallet

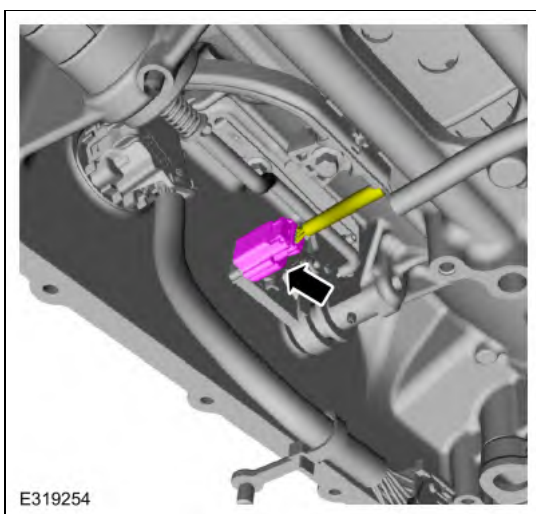


4. Tighten the detent spring bolt.

Torque: 97 lb.in (11 Nm)



5. Connect the TR sensor electrical connector.



6. Install the main control valve body.
Refer to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R140, Removal and Installation).
7. Adjust the selector lever cable.
Refer to: Selector Lever Cable Adjustment (307-05B Automatic Transmission External Controls - 10-Speed Automatic Transmission â€“ 10R140, General Procedures).

