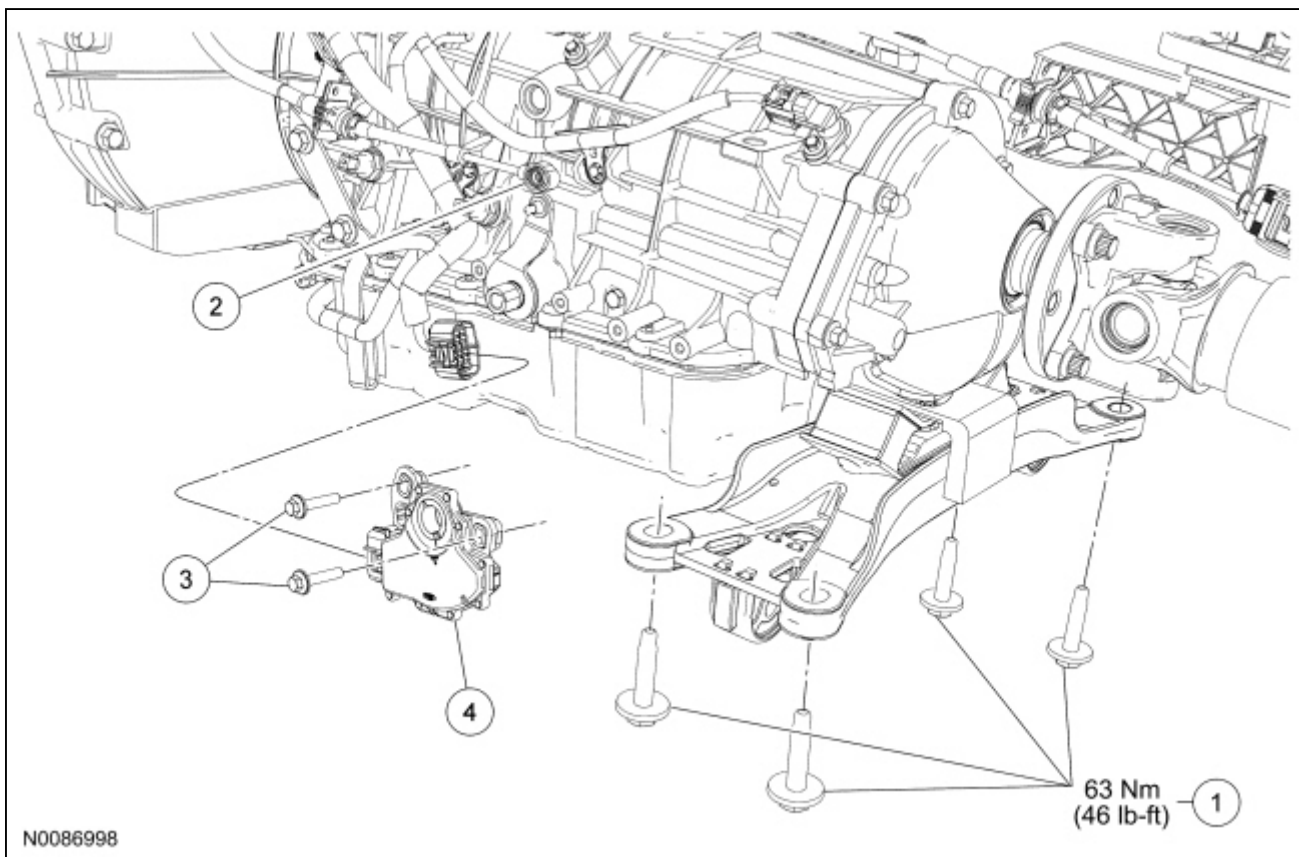
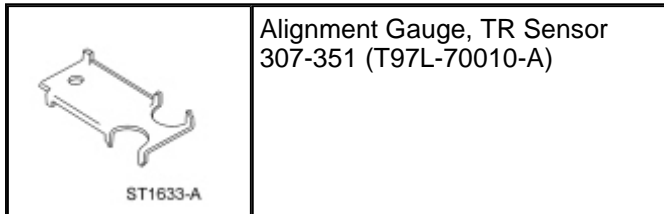


Digital Transmission Range (TR) Sensor

Special Tool(s)



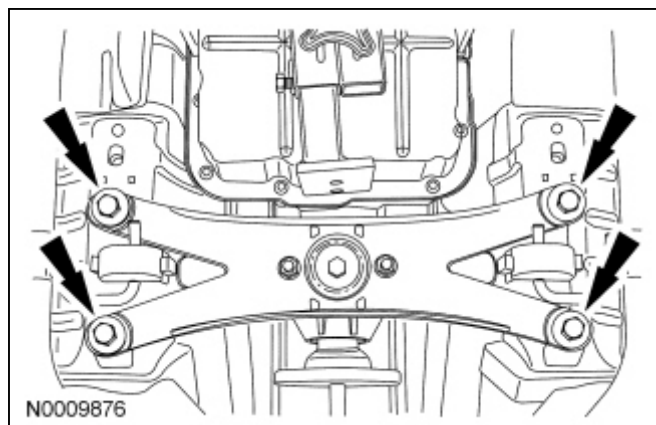
Item	Part Number	Description
1	W704971	Transmission crossmember-to-floor pan screws
2	7E395	Transmission selector lever cable
3	W500015	Transmission Range (TR) sensor screws
4	7F293	TR sensor

Removal

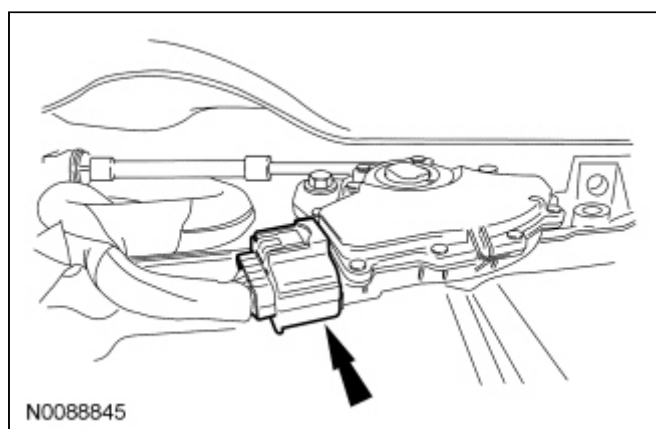
1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. **WARNING:** Secure the assembly to the jack. Avoid any obstructions while lowering and raising the jack. Contact with obstructions may cause the assembly to fall off the jack, which may result in serious personal injury.

Using a suitable transmission jack, support the transmission.

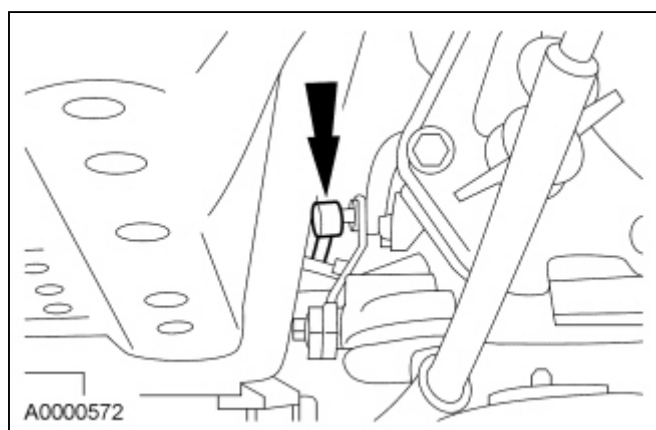
3. Remove the transmission crossmember-to-floor pan screws and lower the transmission enough to gain access to the Transmission Range (TR) sensor.



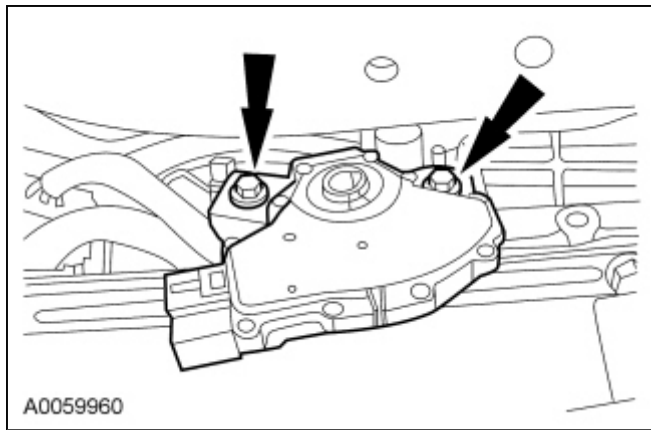
4. Disconnect the TR sensor connector.



5. Disconnect the transmission selector lever cable from the manual control lever.



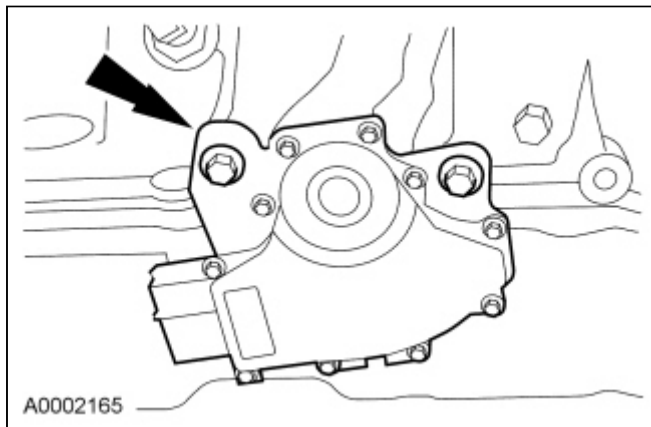
6. Remove the TR sensor screws and remove the TR sensor.



Installation

1. **NOTICE:** The Transmission Range (TR) sensor must fit flush against the boss on the case to prevent damage to the sensor.

Install the **TR** sensor and loosely install the screws.

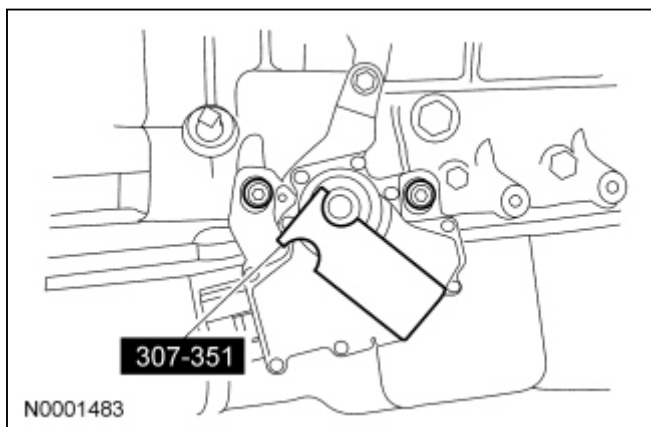


2. **NOTICE:** Tightening one screw before tightening the other may cause the sensor to bind or become damaged.

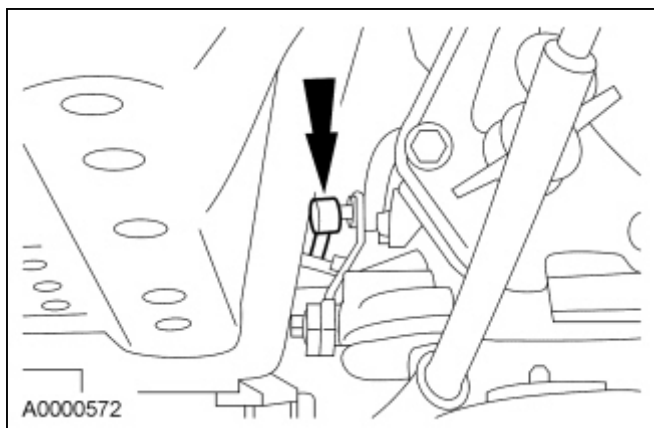
NOTE: The manual control lever must be in the NEUTRAL position.

Using the **TR** Sensor Alignment Gauge, align the **TR** sensor and tighten the screws in an alternating sequence.

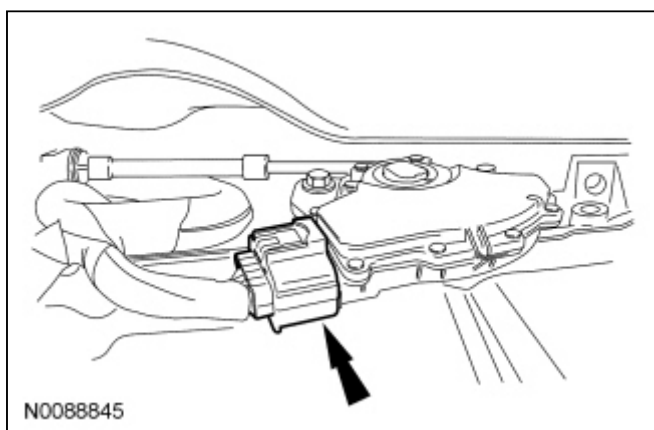
- Tighten 8 Nm (71 lb-in).



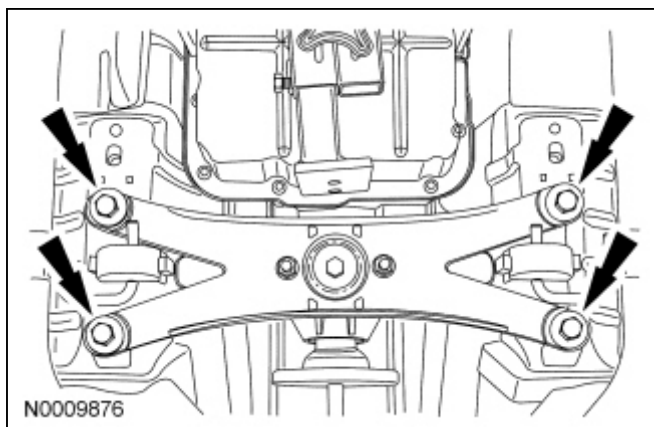
3. Connect the transmission selector lever cable to the manual control lever.



4. Connect the [TR](#) sensor connector.



5. Install the transmission crossmember-to-floor pan screws.
 - Tighten to 63 Nm (46 lb-ft).



6. Verify that the selector lever cable is adjusted correctly. For additional information, refer to [Section 307-05](#).
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