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Crankshaft Rear Seal (12.21.20)


Special Service Tools



Crankshaft rear oil seal remover/installer
303-538

Removal

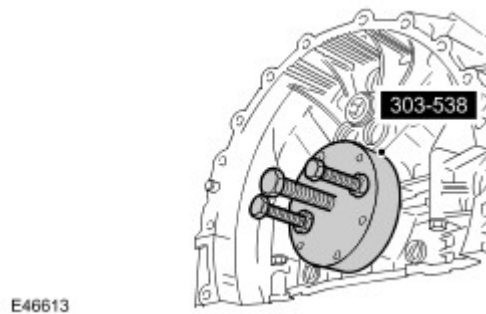
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)

2.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

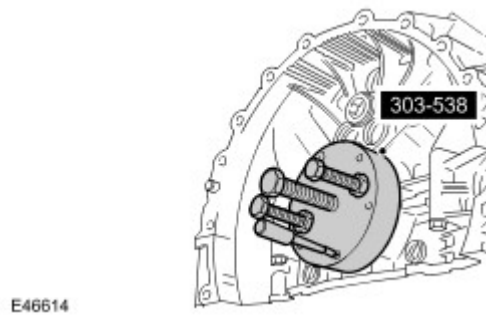
Raise and support the vehicle.

3. Remove the torque converter flexplate. For additional information, refer to [Flexplate \(12.53.13\)](#) (Section 303-01B)

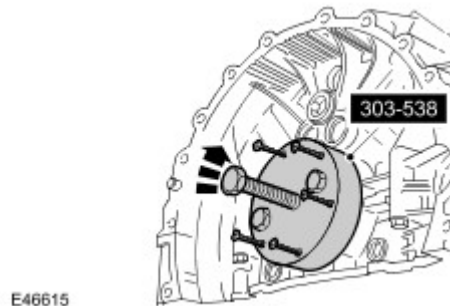
4. Install the special tools.
 - Install the 2 bolts.
 - Tighten the 2 nuts to retain the special tool.




5. Using the special tool, pierce the seal to create holes for the 6 self-tapping screws.



- 6 . Using the special tools, remove and discard the crankshaft rear oil seal.
- Install the 6 self-tapping screws.
 - Adjust the 2 nuts.
 - Tighten the center bolt.




Installation

- 1 .  **CAUTION: Do not lubricate the components.**

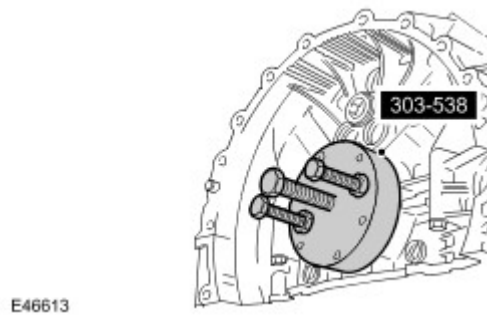
Partially install the crankshaft rear oil seal.

- Make sure the components are clean and dry.
- Carefully remove the transit sleeve, leaving the seal on the crankshaft.

- 2 .  **CAUTION: Make sure the seal is installed parallel**

Using the special tool, install the crankshaft rear oil seal.

- Tighten the special tool nuts evenly and progressively to fully install the seal.



- 3 . Install the torque converter flexplate. For additional information, refer to [Flexplate \(12.53.13\)](#) (Section 303-01B)