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Crankshaft Rear Seal (12.21.20)

Special Service Tools



Oil seal remover
303-903 (LRT-12-092)



Crankshaft rear oil seal installer
303-527



Crankshaft rear oil seal installer
303-525



Crankshaft rear oil seal installer
303-579

Removal

NOTE :

The seal installation tools are available individually or as a set 303-S524

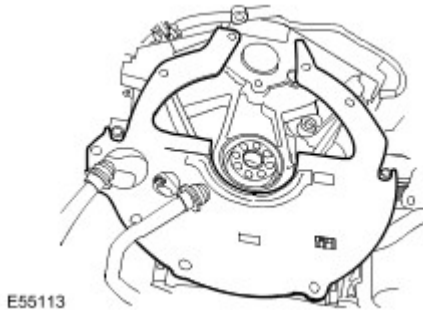
- 1 . Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
- 2 .



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

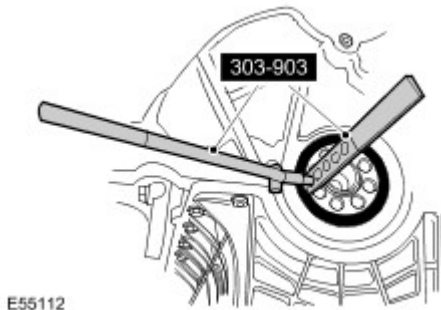
Raise and support the vehicle.

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



5.  **CAUTION:** Care must be taken to avoid damage to the seal register and running surface.

Using the special tools, remove and discard the crankshaft rear oil seal.



Installation

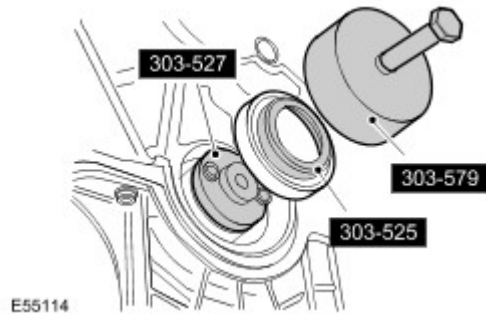
1. Install the special tool, 303-527.
 - Make sure the components are clean and dry.
 - Tighten the 2 Allen screws.

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

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

- Lubricate the seal with clean engine oil.
- Partially install the crankshaft rear oil seal.

▶ Tighten the bolt to fully install the seal.



- 3 . Install the closing plate.

▶ Clean the components.

- 4 . Install the torque converter flexplate. For additional information, refer to [Flexplate \(12.53.13\)](#) (Section 303-01)
- 5 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
- 6 . Check and top-up the engine oil.