

Published : Jul 13, 2004



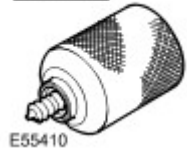
Countershaft Seal (37.23.02)

Special Service Tools

308-617

E55409

Seal extractor drill
308-617

308-615

E55410

Seal extractor
308-615

100-012

E54135

Impulse extractor
100-012 (LRT-99-004)

308-620

E55411

Seal installer
308-620

Removal

1.



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.

2.

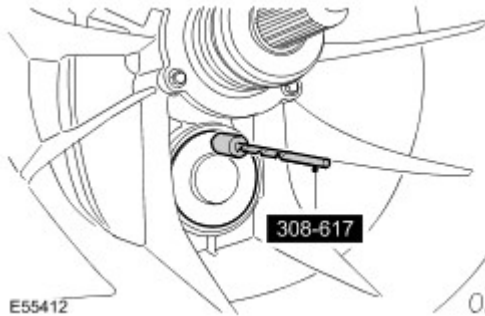
Remove the transmission. For additional information, refer to [Transmission \(37.20.02.99\)](#) (Section

308-03)

3.

**CAUTION: Use a drill stop. Do not drill deeper than 5 mm.**

Using the special tool, drill a 3 mm hole in the seal as shown.

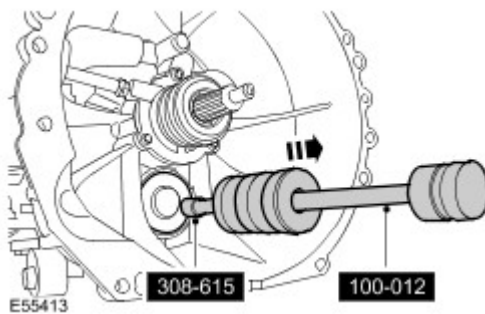


4.

Remove the countershaft seal.



Install the extractor.



Installation

1.

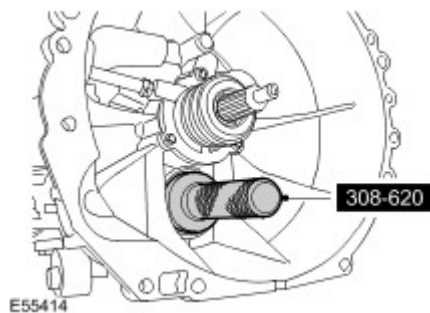
Install the countershaft seal.



Clean the component mating faces.



Use the special tool.



2.

Install the transmission. For additional information, refer to [Transmission \(37.20.02.99\)](#) (Section 308-03)

3.

Drain and refill the transmission. For additional information, refer to [Transmission Draining and Filling \(37.24.01\)](#) (Section 308-03)