




Flexplate (12.53.13)

Special Service Tools

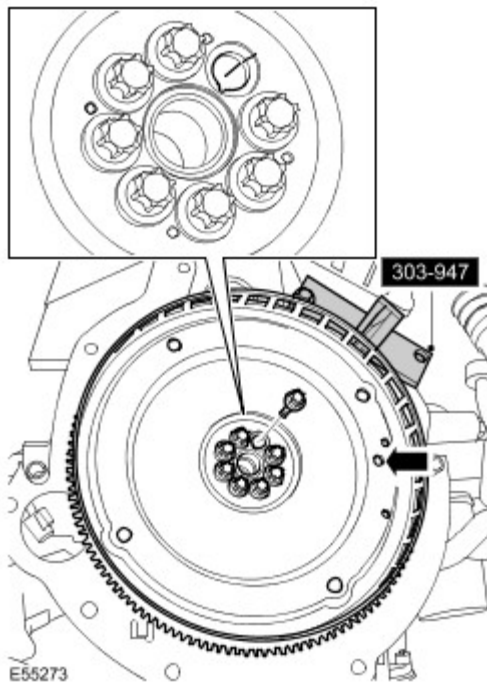


Flex plate locking tool
303-947 (LRT-12-145)

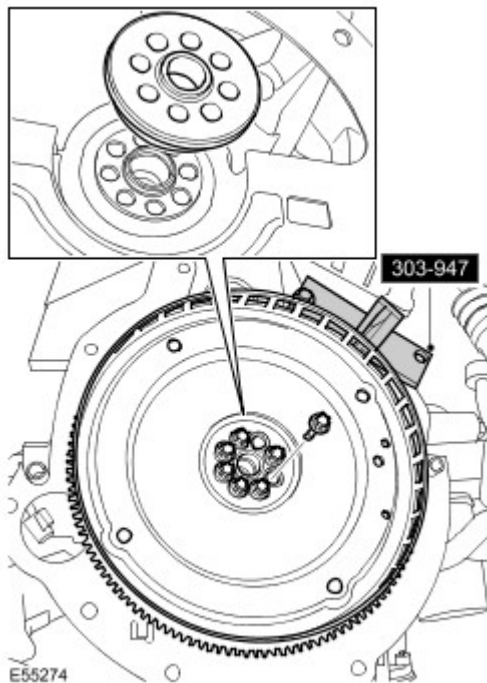
Removal

- 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 transmission. For additional information, refer to [Transmission \(44.20.01\)](#) (Section 307-01)
- 4 . Flexplate alignment.
 - Rotate the crankshaft until number 1 cylinder is at TDC. The timing hole in the flexplate will be horizontal as shown.
 - Using the special tool, lock the flexplate.
 - Remove the Torx bolt shown to reveal the timing notch.
 - Mark the position of the bolt hole with the notch in relation to the crankshaft.



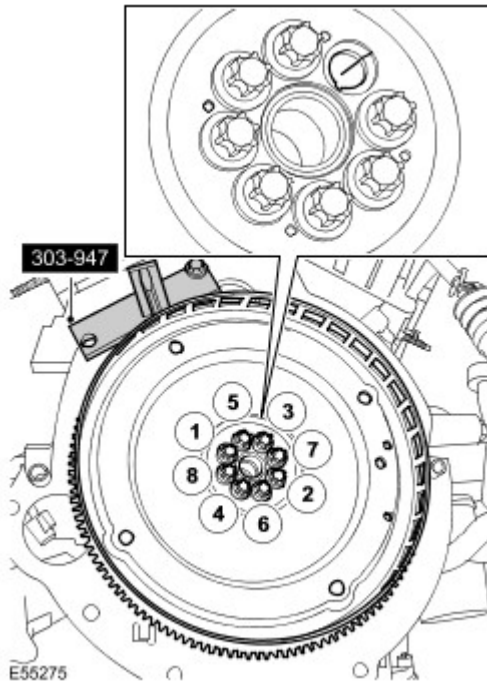
- 5 . Remove the torque converter flexplate.
- Remove the 7 remaining Torx bolts.
 - Remove the spacer.



Installation

- 1 . Install the torque converter flexplate.
- Clean the component mating faces.

- Install the spacer.
- Align the bolt hole with the alignment notch, to the mark previously made on the crankshaft.
- Using the special tool, lock the flexplate.
- Tighten the Torx bolts evenly in 2 stages, in the sequence shown.
- Tighten the Torx bolts to 15 Nm (11 lb.ft).
- Tighten the Torx bolts to 72 Nm (53 lb.ft)



2. Install the transmission. For additional information, refer to [Transmission \(44.20.01\)](#) (Section 307-01)
3. Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)