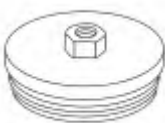
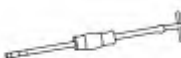


SECTION 303-01D: Engine — 6.2L (2V)
IN-VEHICLE REPAIR

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Crankshaft Rear Seal

Special Tool(s)

 ST1326-A	Handle 205-153 (T80T-4000-W)
 ST2980-A	Installer, Rear Main Seal 303-1250
 ST1382-A	Remover, Crankshaft Rear Oil Seal 303-519 (T95P-6701-EH)
 ST1185-A	Slide Hammer 100-001 (T50T-100-A)

Material

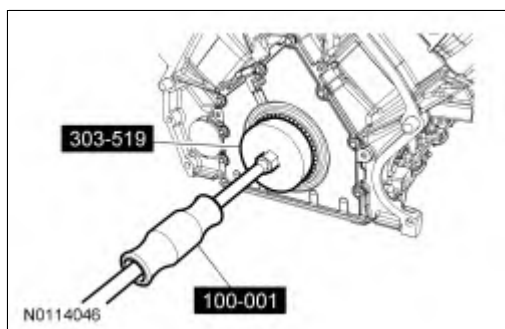
Item	Specification
Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (US); Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada) XO-5W20-QSP (US); CXO-5W20-LSP12 (Canada)	WSS-M2C945-A

Removal

1. Remove the flexplate. For additional information, refer to [Flexplate](#) in this section.
2. Remove the engine rear cover plate.
3. **NOTE:** Inspect the ignition pulse ring for damage. If the ignition pulse ring has been dropped or has any visual damage, it must be discarded.

Remove the crankshaft ignition pulse ring.

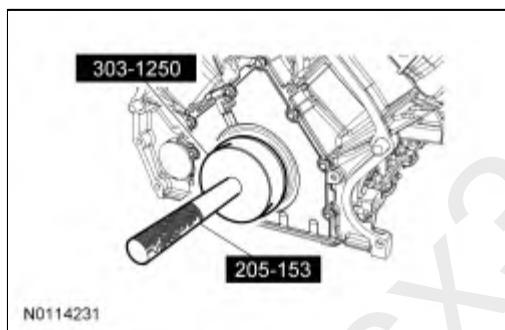
4. Using the Slide Hammer and the Crankshaft Rear Oil Seal Remover, remove and discard the crankshaft rear seal.



Installation

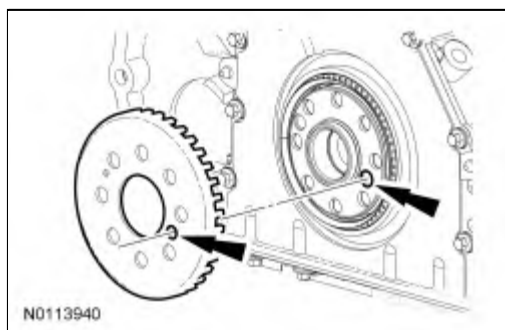
1. **NOTE:** Lubricate the crankshaft rear seal with clean engine oil prior to installation.

Using the Rear Main Seal Installer and Handle, install a new crankshaft rear seal.



2. **NOTE:** Inspect the ignition pulse ring for damage. If the ignition pulse ring has been dropped or has any visual damage, it must be discarded.

With the inset hole on the crankshaft ignition pulse ring aligned with the inset hole on the crankshaft flange, install the crankshaft ignition pulse ring.



3. Install the engine rear cover plate.
4. Install the flexplate. For additional information, refer to [Flexplate](#) in this section.

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