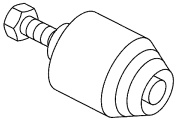
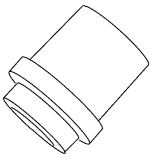
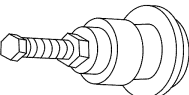
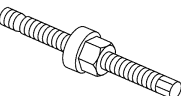


IN-VEHICLE REPAIR

Crankshaft Front Seal

Special Tool(s)

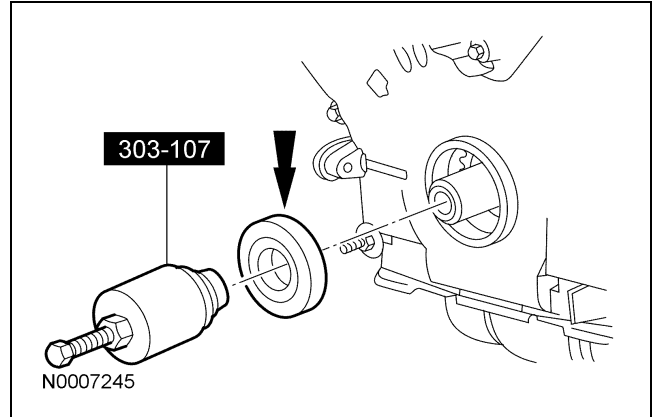
 <p>ST1288-A</p>	<p>Remover, Crankshaft Front Seal 303-107 (T74P-6700-A)</p>
 <p>ST2197-A</p>	<p>Installer, Crankshaft Front Seal 303-635</p>
 <p>ST1328-A</p>	<p>Installer, Front Cover Seal 303-335 (T88T-6701-A)</p>
 <p>ST1287-A</p>	<p>Installer, Crankshaft Vibration Damper 303-102 (T74P-6316-B)</p>

Material

Item	Specification
<p>Motorcraft SAE 5W-20 Premium Synthetic Blend Motor Oil XO-5W20-QSP (in Canada Motorcraft SAE 5W-20 Super Premium Motor Oil CXO-5W20-LSP12) or equivalent</p>	<p>WSS-M2C930-A</p>

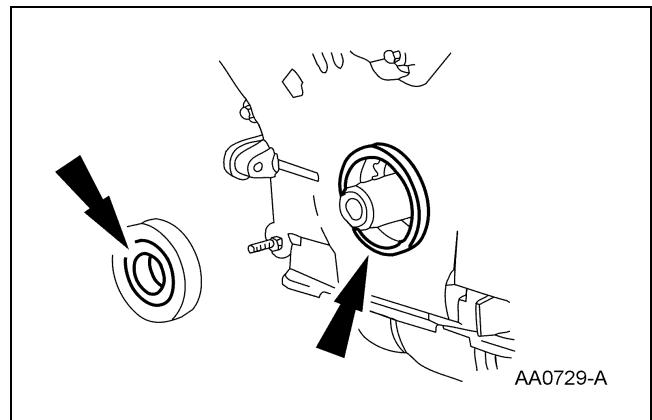
Removal

1. Remove the crankshaft pulley. For additional information, refer to Crankshaft Pulley in this section.
2. Using the special tool, remove the crankshaft front seal.

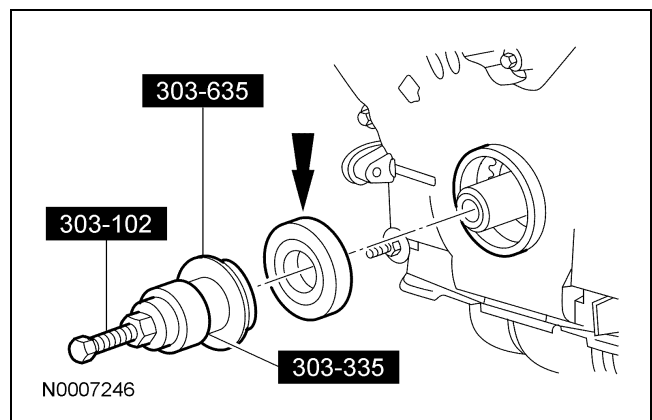


Installation

1. Lubricate the engine front cover and the crankshaft front seal inner lip with clean engine oil.



2. Using the special tools, install the crankshaft front seal.



IN-VEHICLE REPAIR (Continued)

3. Install the crankshaft pulley. For additional information, refer to Crankshaft Pulley in this section.
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