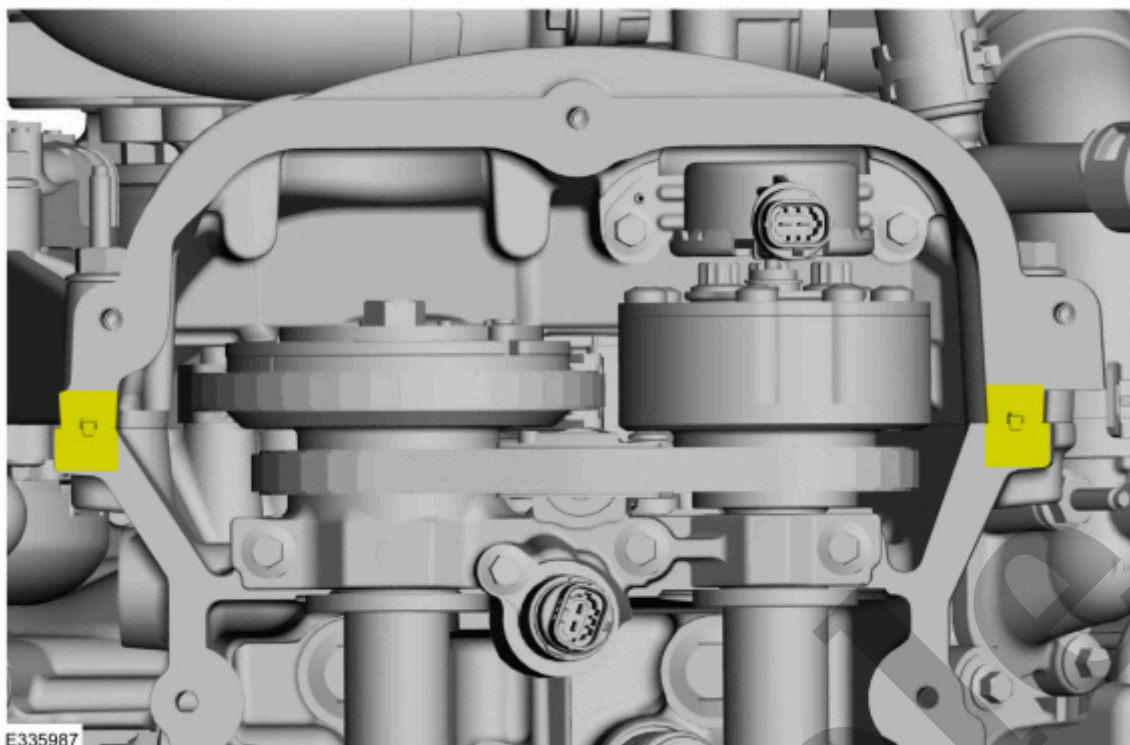


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2014 Ford F-350 Super Duty Service and Repair Manual

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94. **NOTICE**

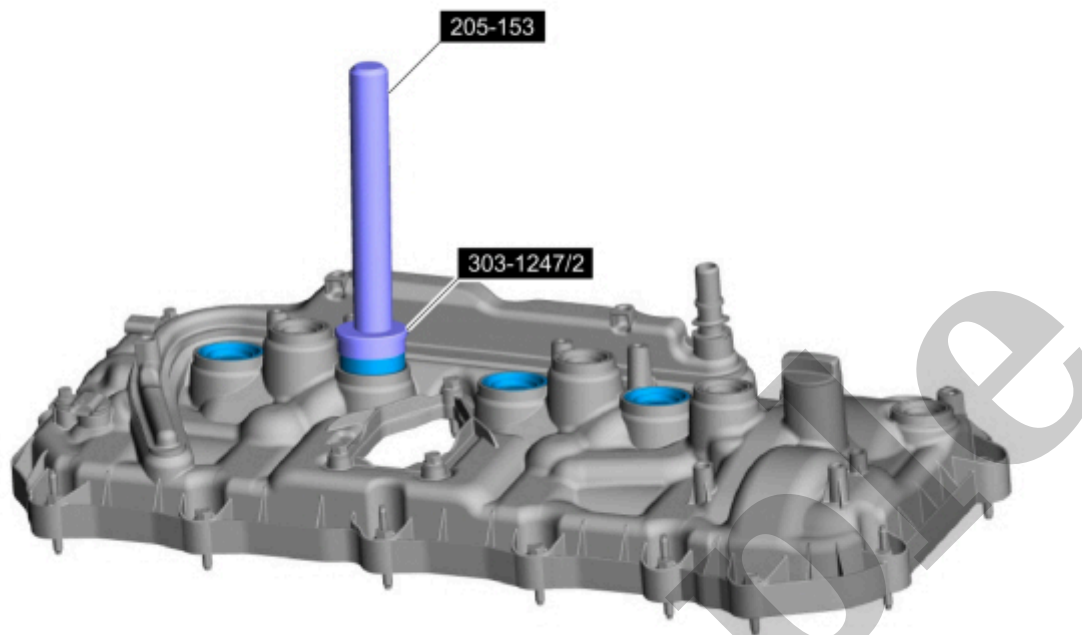
If the valve cover is not installed and the fasteners tightened within 5 minutes, the sealant must be removed and the sealing area cleaned.

Apply an 12 mm (0.47 in) drop of silicone gasket and sealant to the engine front cover-to-cylinder head joints.

Material : Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)

Using the special tools, install a new spark plug tube seal(s).

Use Special Service Tool : 205-153 (T80T-4000-W) Handle , 303-1247 VCT Spark Plug Tube Seal Remover and Installer



E331786

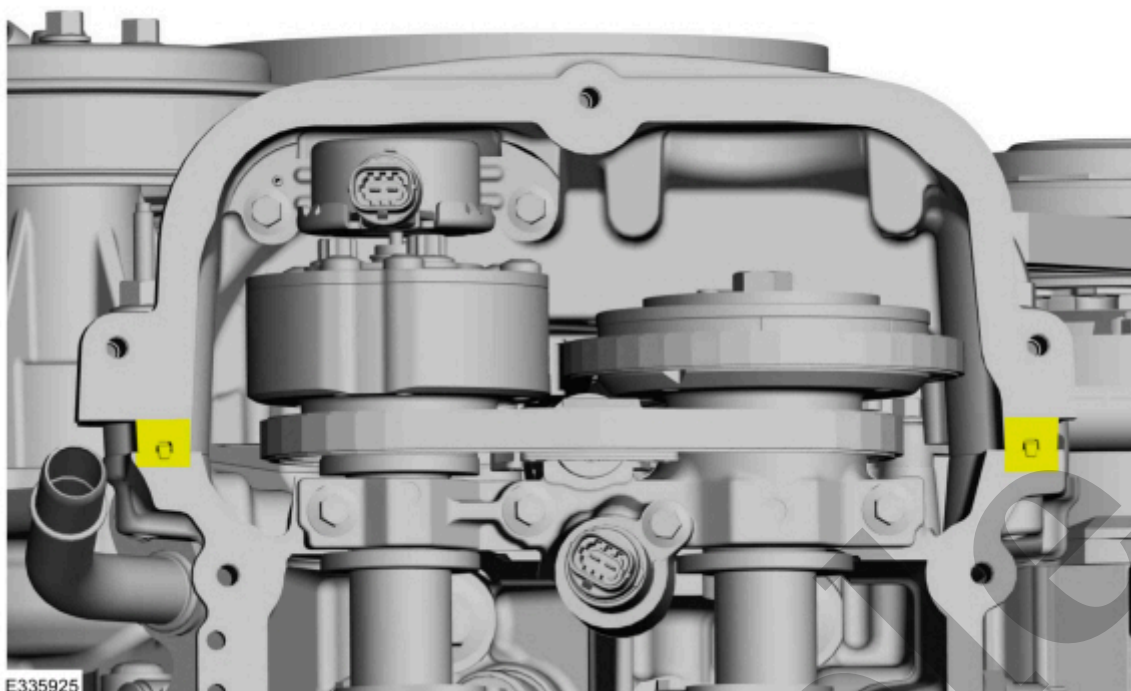
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97. **NOTE**

Installation of a new seal is only required if damaged seal was removed.

Using the special tools, install a new seal(s).

Use Special Service Tool : 205-153 (T80T-4000-W) Handle , 205-142 (T80T-4000-J) Installer, Differential Bearing Cone



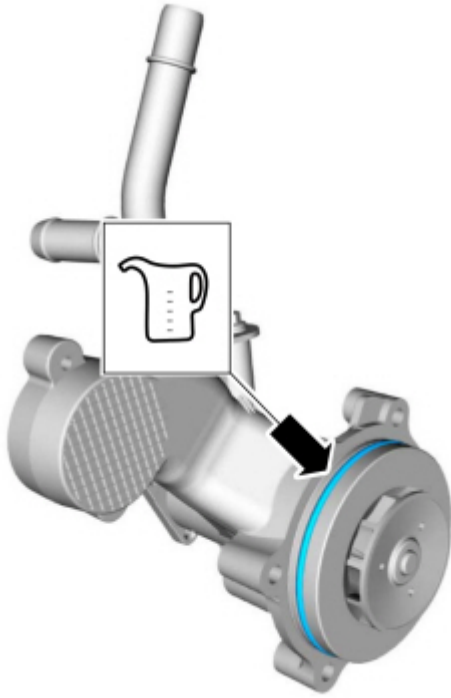
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100. NOTICE

If the valve cover is not installed and the fasteners tightened within 5 minutes, the sealant must be removed and the sealing area cleaned.

Apply an 12 mm (0.47 in) bead of silicone gasket and sealant to the engine front cover-to-cylinder head joints.

Material : Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)



E183445

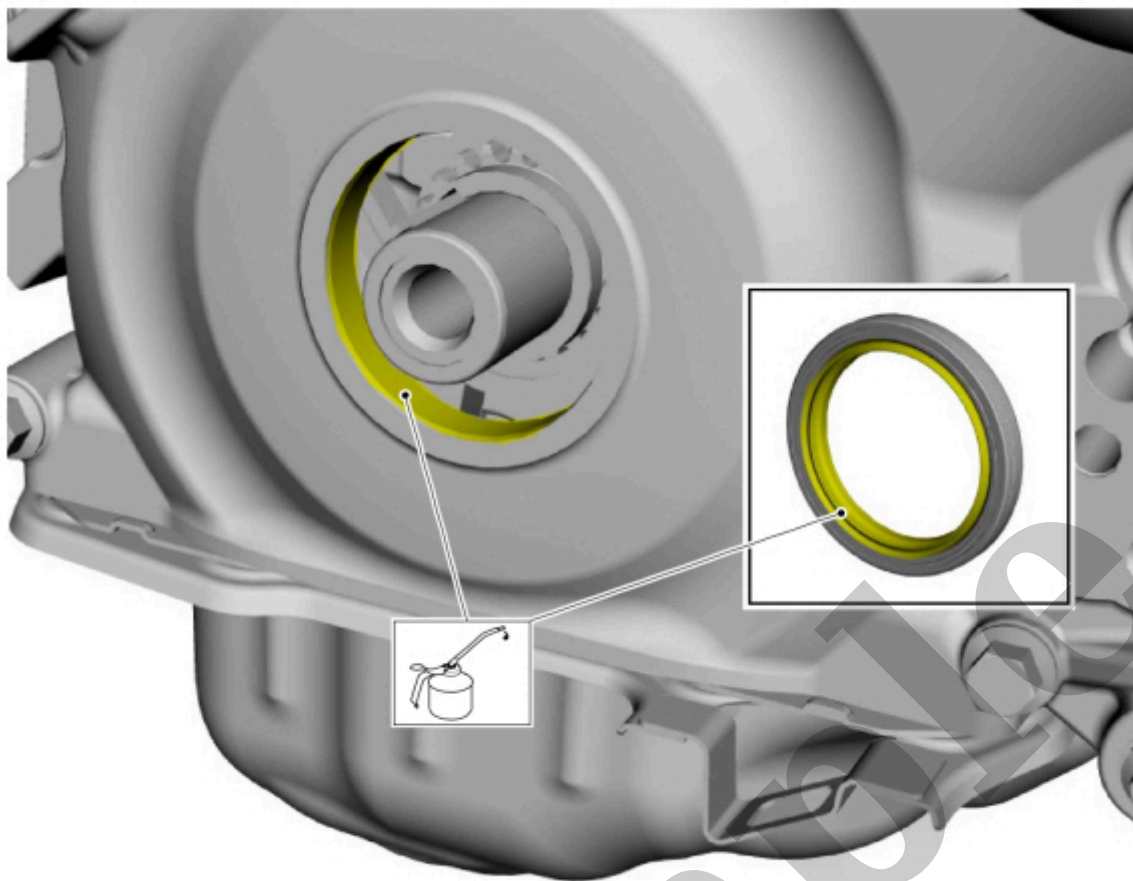
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103. Install the coolant pump and bolts.

Torque :

Stage 1: 177 lb.in (20 Nm)

Stage 2: 60°



E328413

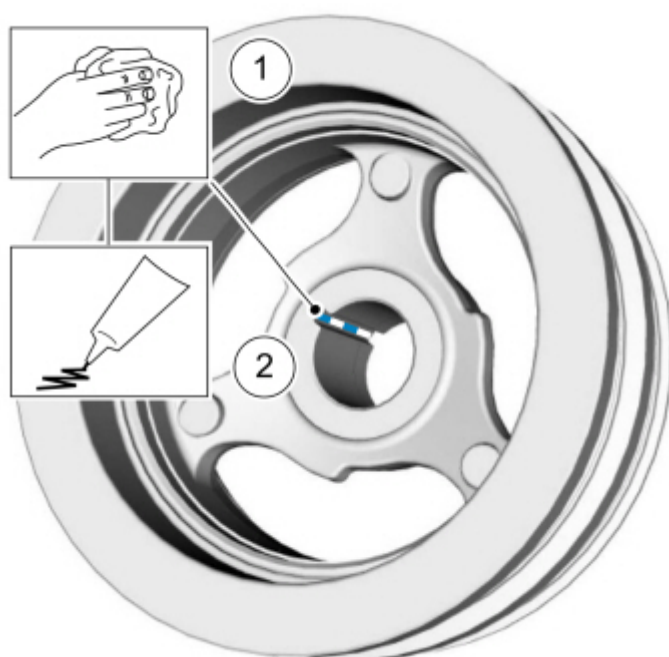
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105. **NOTE**

Only the plate from 303-335 should be used.

Using the special tools, install the new crankshaft front oil seal.

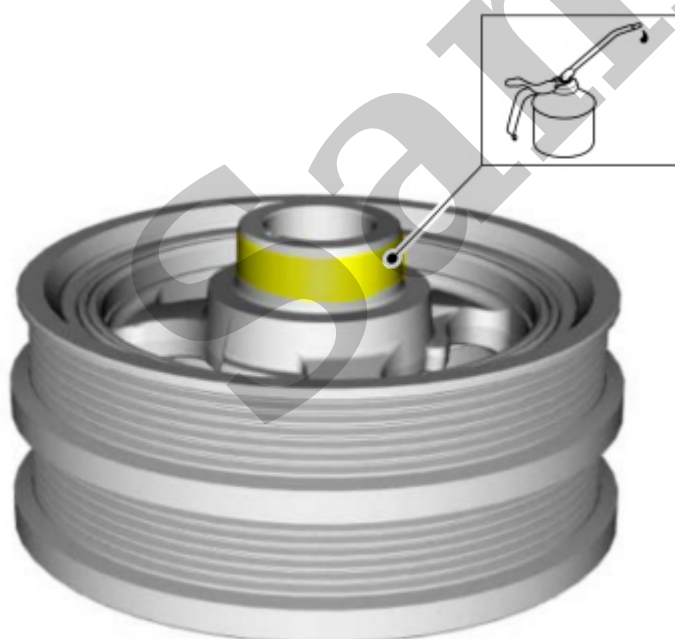
Use Special Service Tool : 303-1531 Installer, Front Crank Seal and Damper , 303-335 (T88T-6701-A) Installer, Front Cover Oil Seal



E293194

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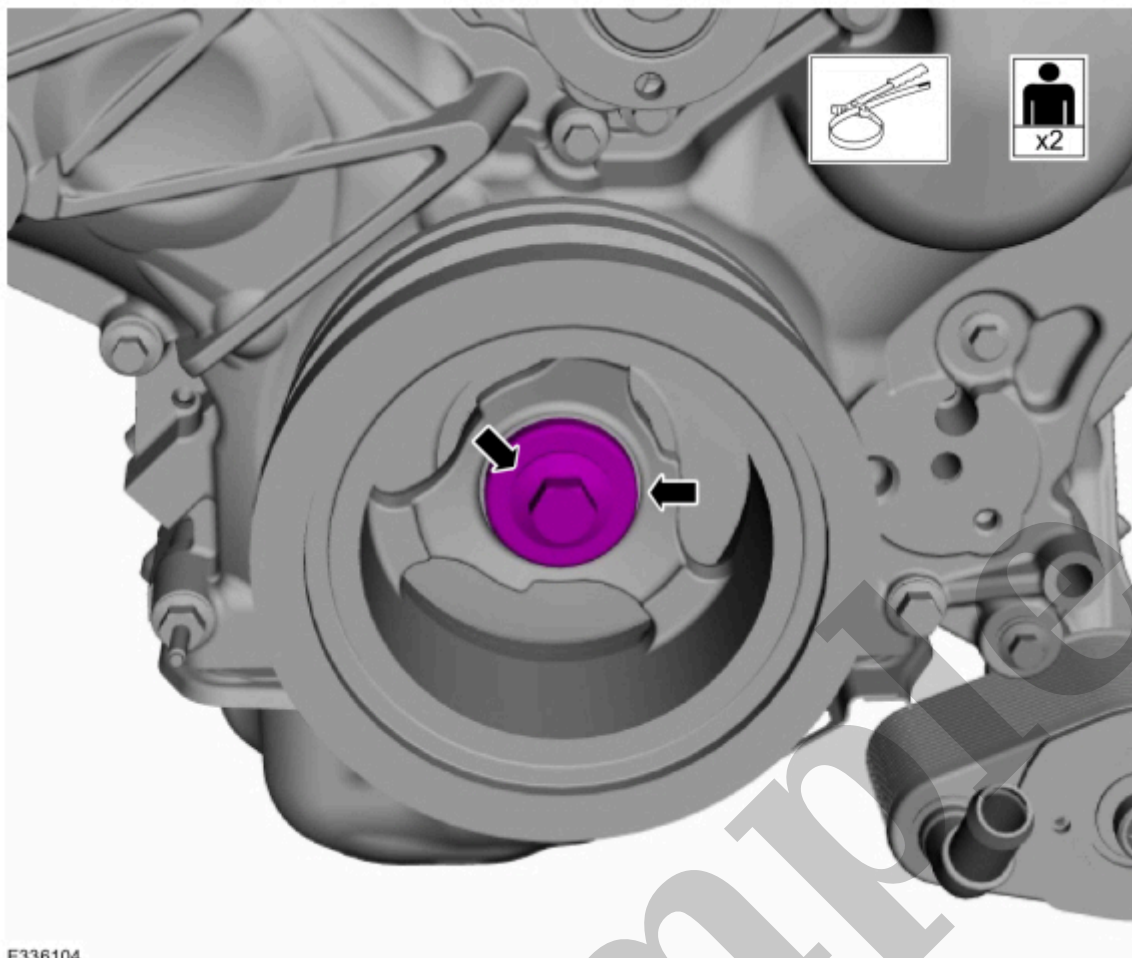
107. Lubricate the crankshaft pulley sealing surface with clean engine oil prior to installation.



E183267

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108. Using the special tools, install the crankshaft pulley.



E336104

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110. 1. Install the A/C (air conditioning) compressor drive belt tensioner and the bolt.

Torque : 18 lb.ft (25 Nm)

2. Install the coolant pump pulley and the bolts.

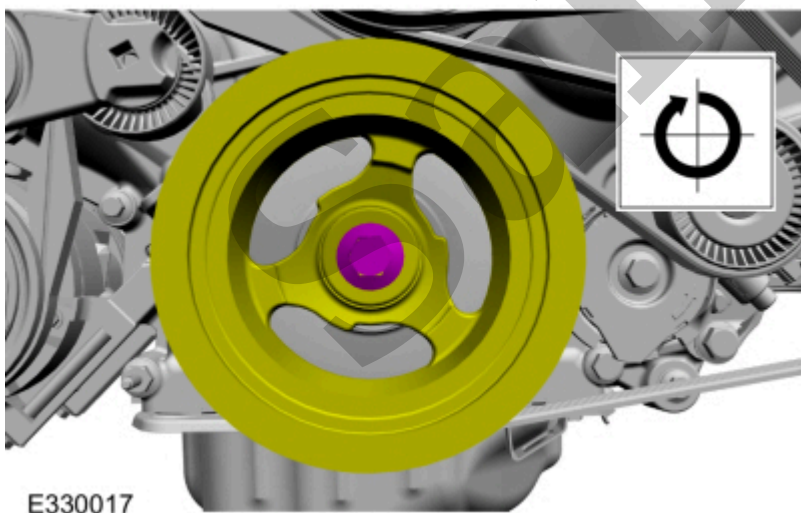
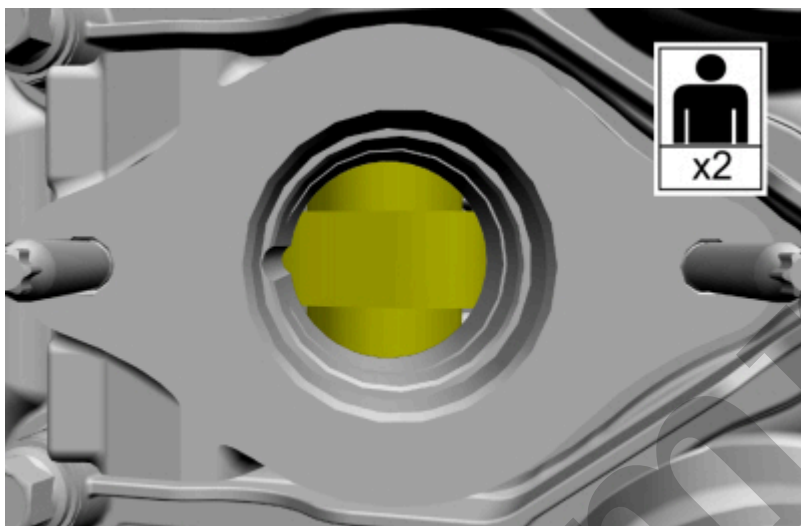
Torque : 18 lb.ft (25 Nm)

Only rotate the crankshaft clockwise or damage to the engine may occur.

NOTICE

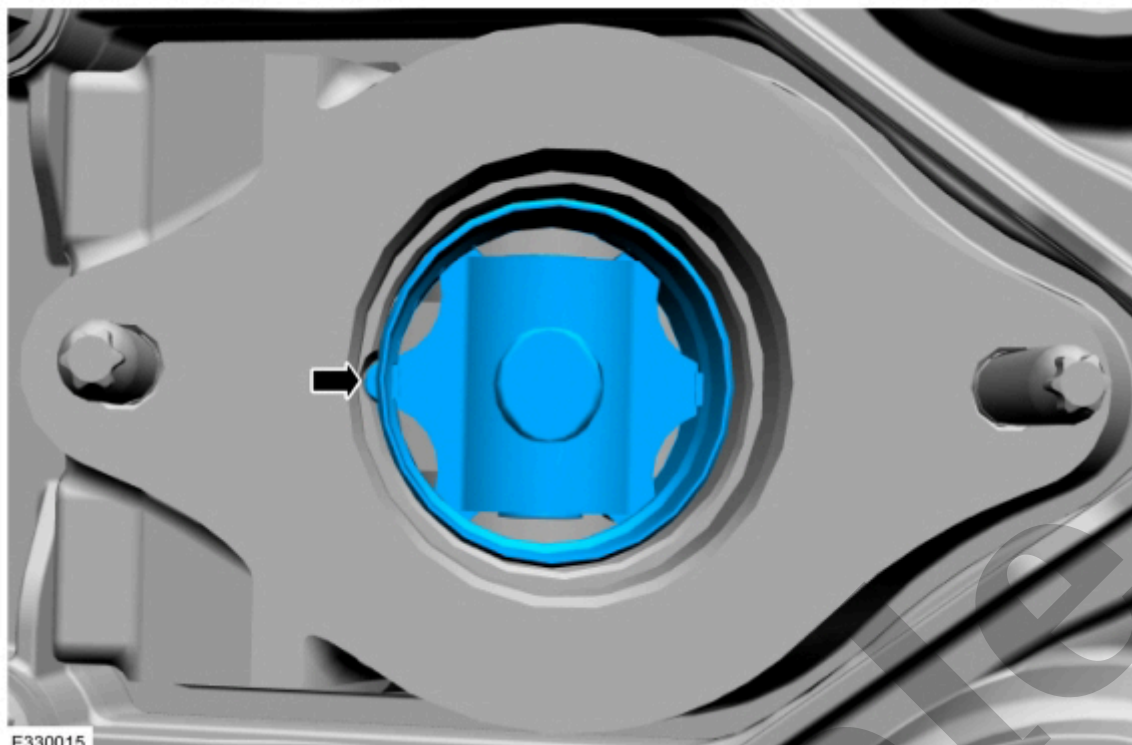
The drive lobe for the high-pressure fuel pump must be at bottom dead center for the high-pressure fuel pump installation.

With the help of an assistant, using the crankshaft pulley bolt, turn the crankshaft clockwise until the high-pressure fuel pump drive lobe is at bottom dead center.



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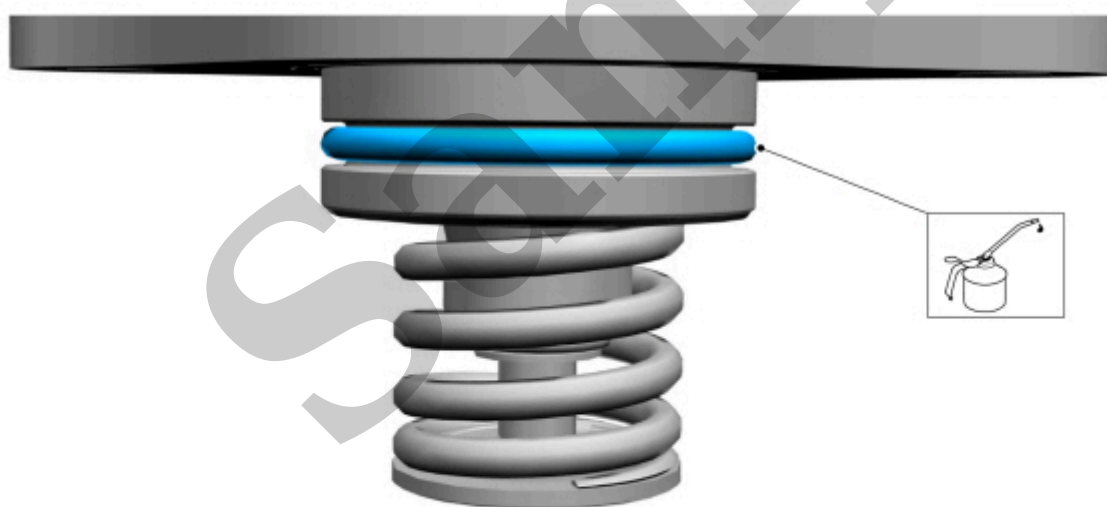
113. Apply clean engine oil to the high-pressure fuel pump mounting pedestal bore, the drive lobe and all of the roller tappet.



E330015

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115. Install a new high-pressure fuel pump O-ring seal. Lubricate with clean engine oil.



E242553

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