

Crankshaft Pulley

Special Tool(s) / General Equipment

	303-1508 Installer, Front Crank Seal
	303-335 (T88T-6701-A) Installer, Front Cover Oil Seal TKIT-1988-FLM TKIT-1988-F
Strap Wrench	

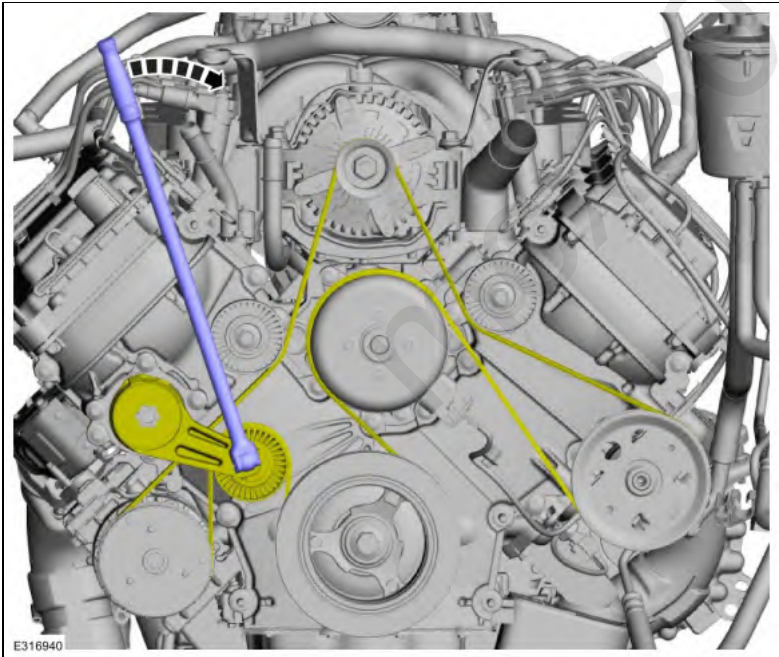
Materials

Name	Specification
Motorcraft® High Performance Engine RTV Silicone TA-357	WSE-M4G323-A6

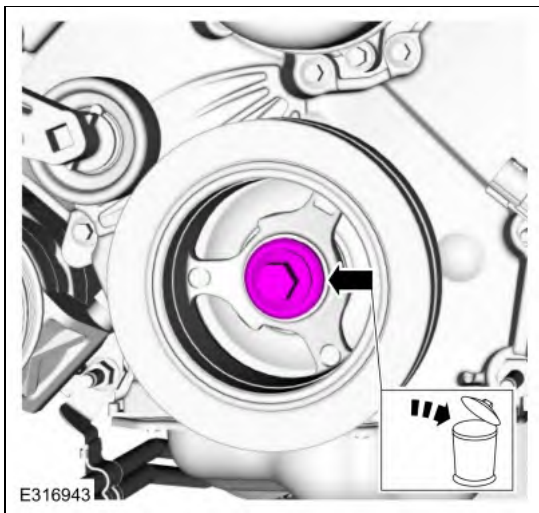
Removal

NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

1. Remove the cooling fan shroud.
Refer to: Cooling Fan Shroud (303-03A Engine Cooling - 6.2L V8, Removal and Installation).
2. Rotate the accessory drive belt tensioner clockwise and remove the accessory drive belt from the crankshaft pulley.

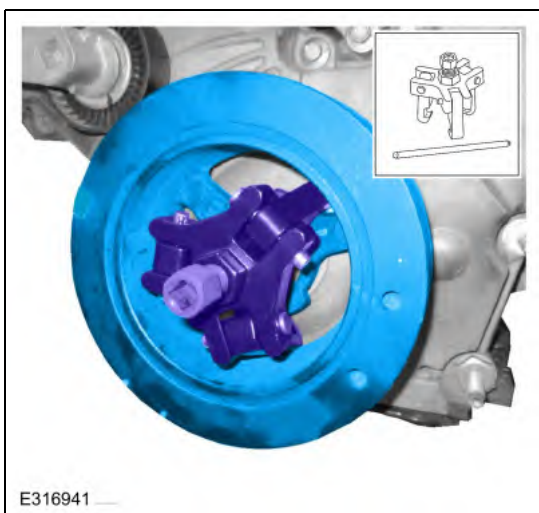


3. **NOTE:** If necessary, retain the original crankshaft pulley bolt to use for the removal of the crankshaft front seal.
Remove and discard the crankshaft pulley bolt.

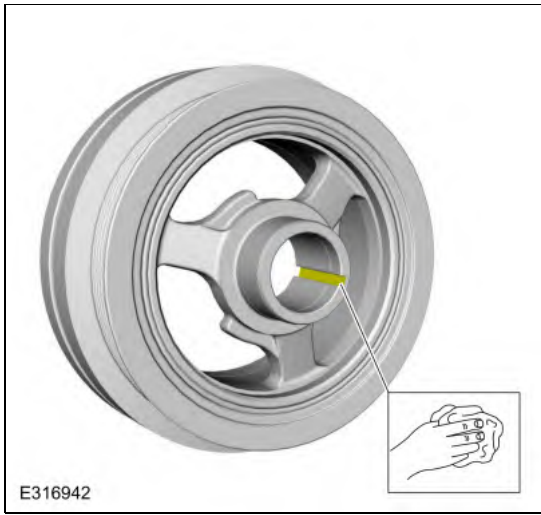


4. **NOTE:** Use a universal puller (such as an OTC 6667, or equivalent).

Using a universal puller, remove the crankshaft pulley.



5. Clean off any residual sealer from the Woodruff key slot and the Woodruff key on the crankshaft (not shown).



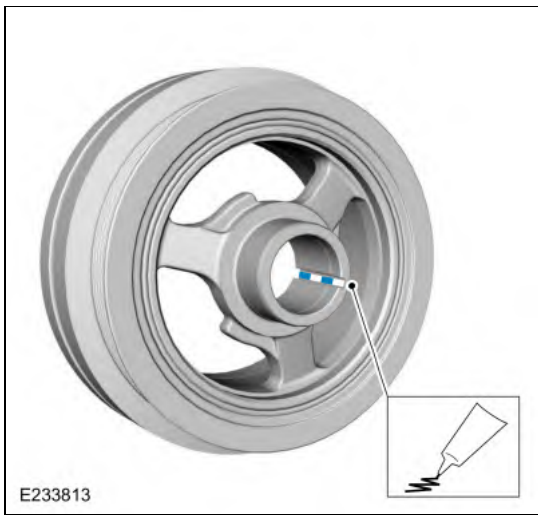
Installation

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

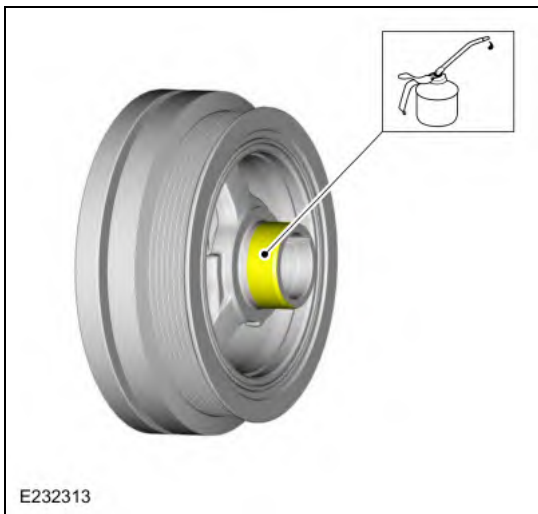


2. **NOTE:** If the crankshaft pulley is not secured within 4 minutes, the sealant must be removed and the sealing area cleaned.

Apply a bead of silicone gasket and sealant to the woodruff key slot.
Material: Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)

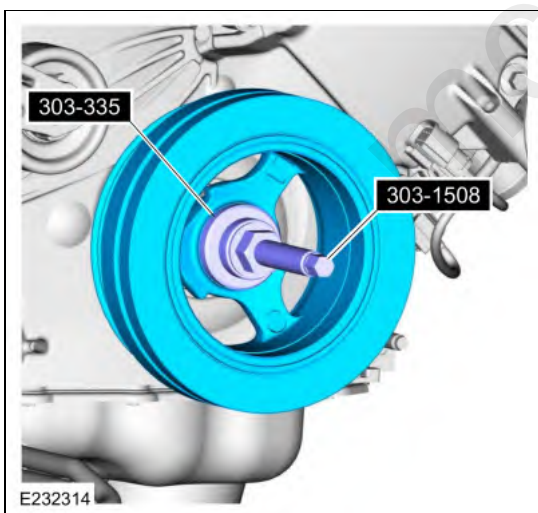


3. Lubricate the crankshaft pulley sealing surface with clean engine oil prior to installation.



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

Use Special Service Tool: 303-335 (T88T-6701-A) Installer, Front Cover Oil Seal , 303-1508 Installer, Front Crank Seal.



5. **NOTE:** Use a universal pulley holder (such as an OTC 4754, or equivalent).

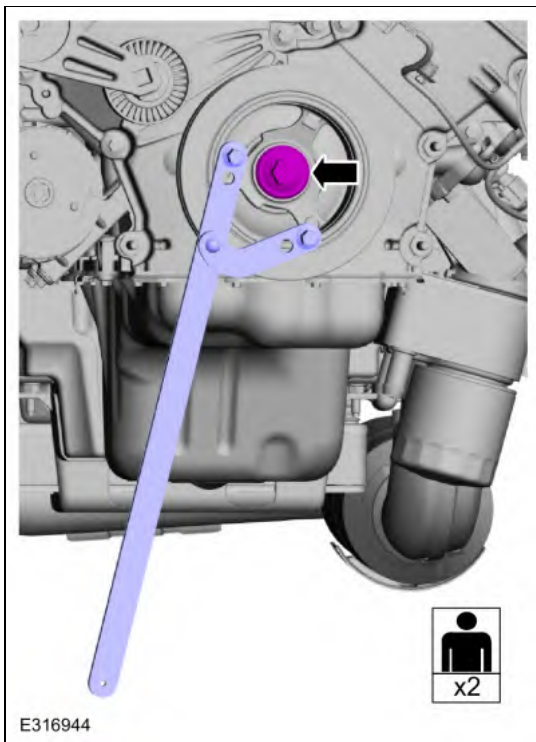
Using a universal pulley holder, install and tighten a new crankshaft pulley bolt and the washer and tighten in 2 stages.

Use the General Equipment: Strap Wrench

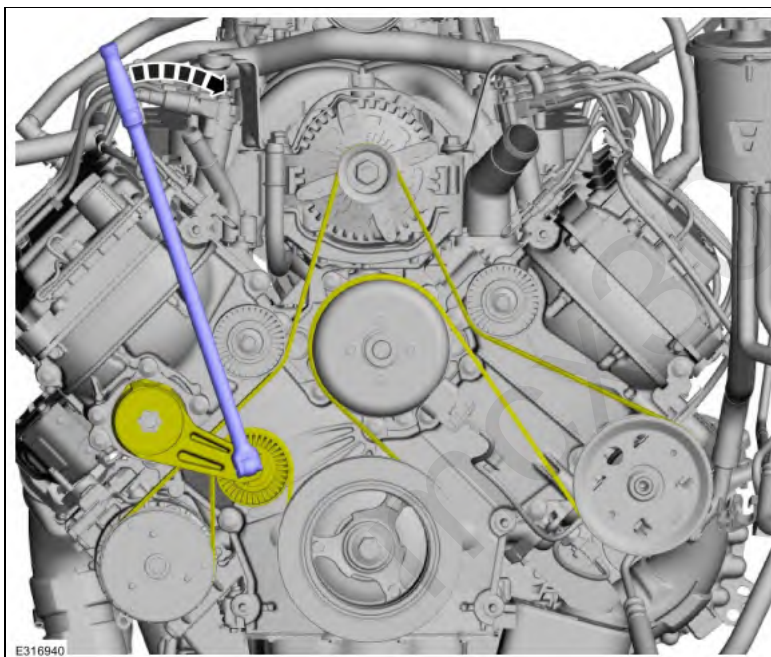
Torque:

Stage 1: 129 lb.ft (175 Nm)

Stage 2: 90°



6. Rotate the accessory drive belt tensioner clockwise and install the accessory drive belt onto the crankshaft pulley.



7. Install the cooling fan shroud.
Refer to: Cooling Fan Shroud (303-03A Engine Cooling - 6.2L V8, Removal and Installation).
8. Use the Powertrain Control Module (PCM) Misfire Monitor Profile Correction routine in the diagnostic scan tool.