Crankshaft Pulley

Special Tool(s)

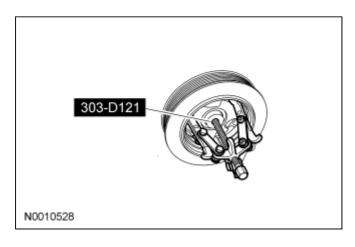
	3 Jaw Puller 303-D121 or equivalent
ST1184-A	
	Installer, Crankshaft Vibration Damper 303-102 (T74P-6316-B)
ST1287-A	

Material

Item	Specification	
Motorcraft® Metal Surface Prep ZC-31-A	_	
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4	
Silicone Gasket Remover ZC-30	_	

Removal

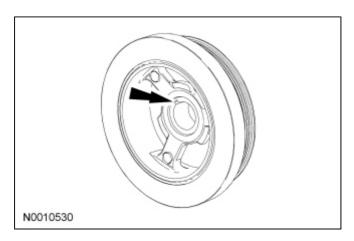
- 1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to Section 100-02.
- 2. Remove the Air Cleaner (ACL) outlet pipe. For additional information, refer to Section 303-12.
- 3. Remove the accessory drive belt. For additional information, refer to Section 303-05.
- 4. Remove the crankshaft pulley bolt and washer.
 - Discard the crankshaft pulley bolt.
- 5. Using the 3 Jaw Puller, remove the crankshaft pulley.



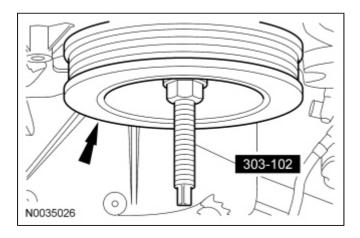
Installation

1. **NOTE:** If not secured within 4 minutes, the sealant must be removed and the sealing area cleaned. To clean the sealing area, use silicone gasket remover and metal surface prep. Follow the directions on the packaging. Failure to follow this procedure can cause future oil leakage.

Apply silicone gasket and sealant to the Woodruff key slot in the crankshaft pulley.



2. Using the Crankshaft Vibration Damper Installer, install the crankshaft pulley.



- 3. Using a new crankshaft pulley bolt, install the bolt and washer and tighten the bolt in 4 stages.
 - Stage 1: Tighten to 90 Nm (66 lb-ft).
 - Stage 2: Loosen 360 degrees.
 - Stage 3: Tighten to 50 Nm (37 lb-ft).
 - Stage 4: Tighten an additional 90 degrees.
- 4. Install the accessory drive belt. For additional information, refer to Section 303-05.
- 5. Install the ACL outlet pipe. For additional information, refer to Section 303-12.