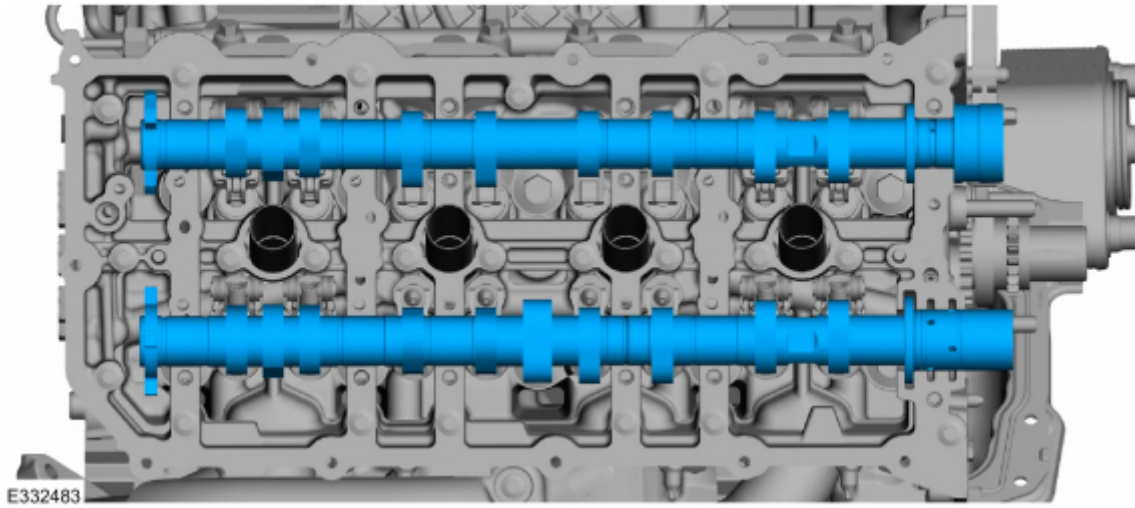


Your Ultimate Source for OEM Repair Manuals

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.

2015 Ford F-250 Super Duty Service and Repair Manual

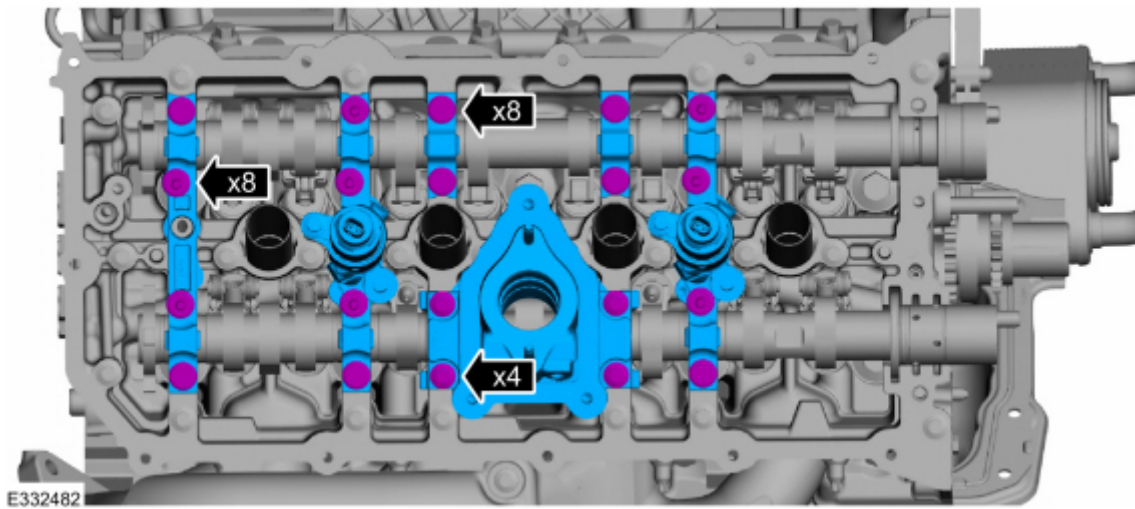
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Installation

1. Lubricate the camshafts with clean engine oil.
2. Install the intake and exhaust camshafts in the neutral position. Align the D-slots as shown in the illustration.

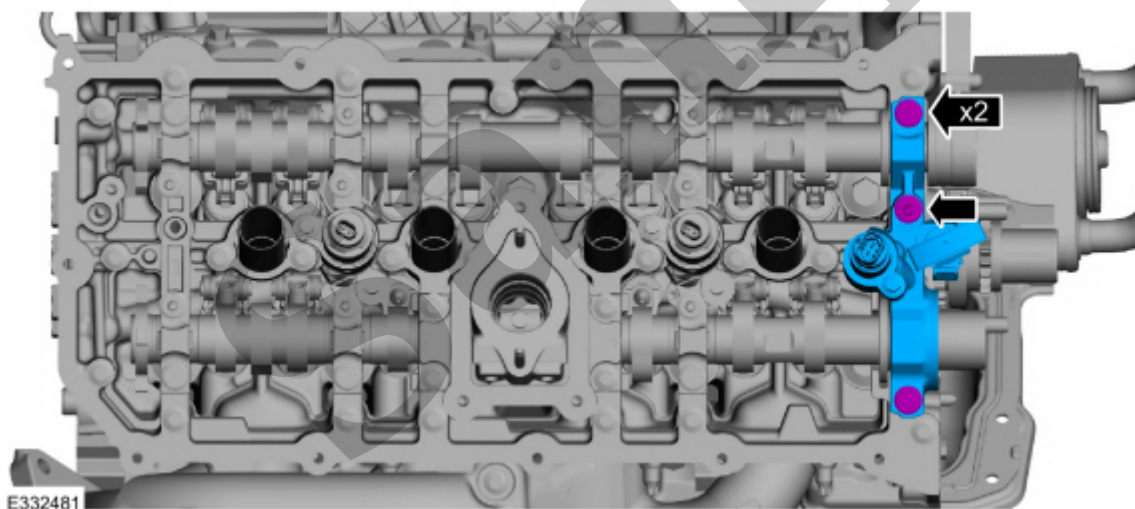


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3. **NOTE**

Do not tighten at this time.

Install the front camshaft bearing mega cap and the bolts.



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4. Tighten the bolts in sequence.

Torque :

Stage 1: Bolts 1-23: 53 lb.in (6 Nm)

Stage 2: Bolts 1-2, 5-6, 9-23: 45° Bolts 3-4, 7-8: 90°

6. **NOTE**

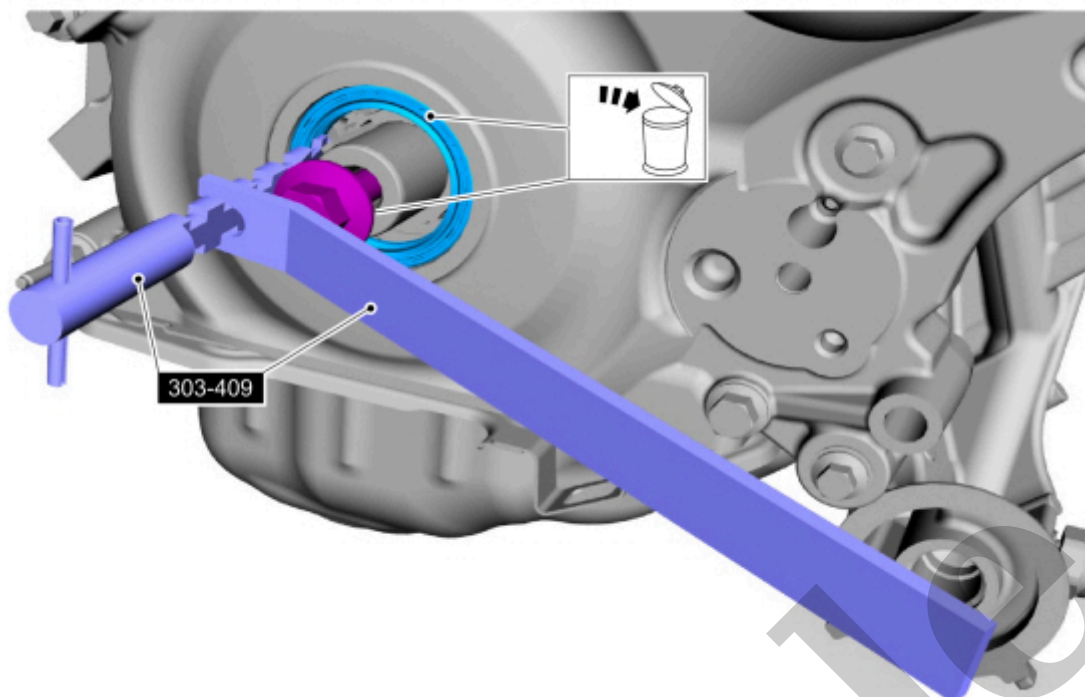
The oil tubes will be installed during the VCT (variable camshaft timing) unit installation process.

Install the RH (right-hand) VCT (variable camshaft timing) units.

Refer to: [Variable Camshaft Timing \(VCT\) Unit](#)(303-01E Engine - 5.0L 32V Ti-VCT, Removal and Installation).

7. Road test the vehicle.

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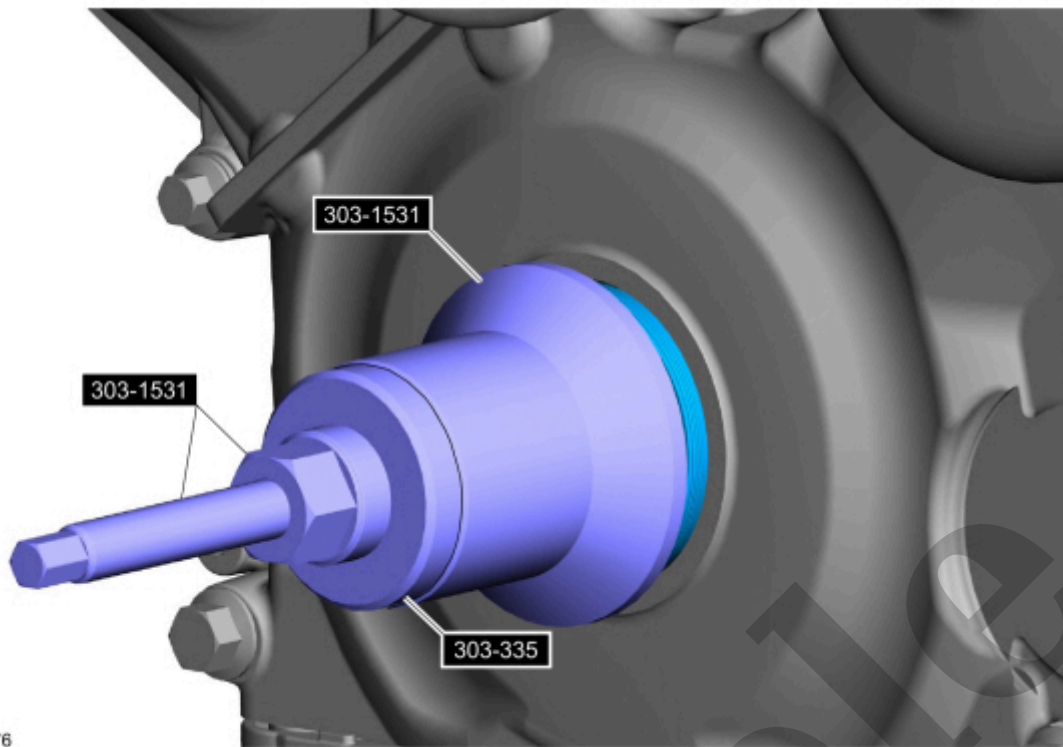


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Installation

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



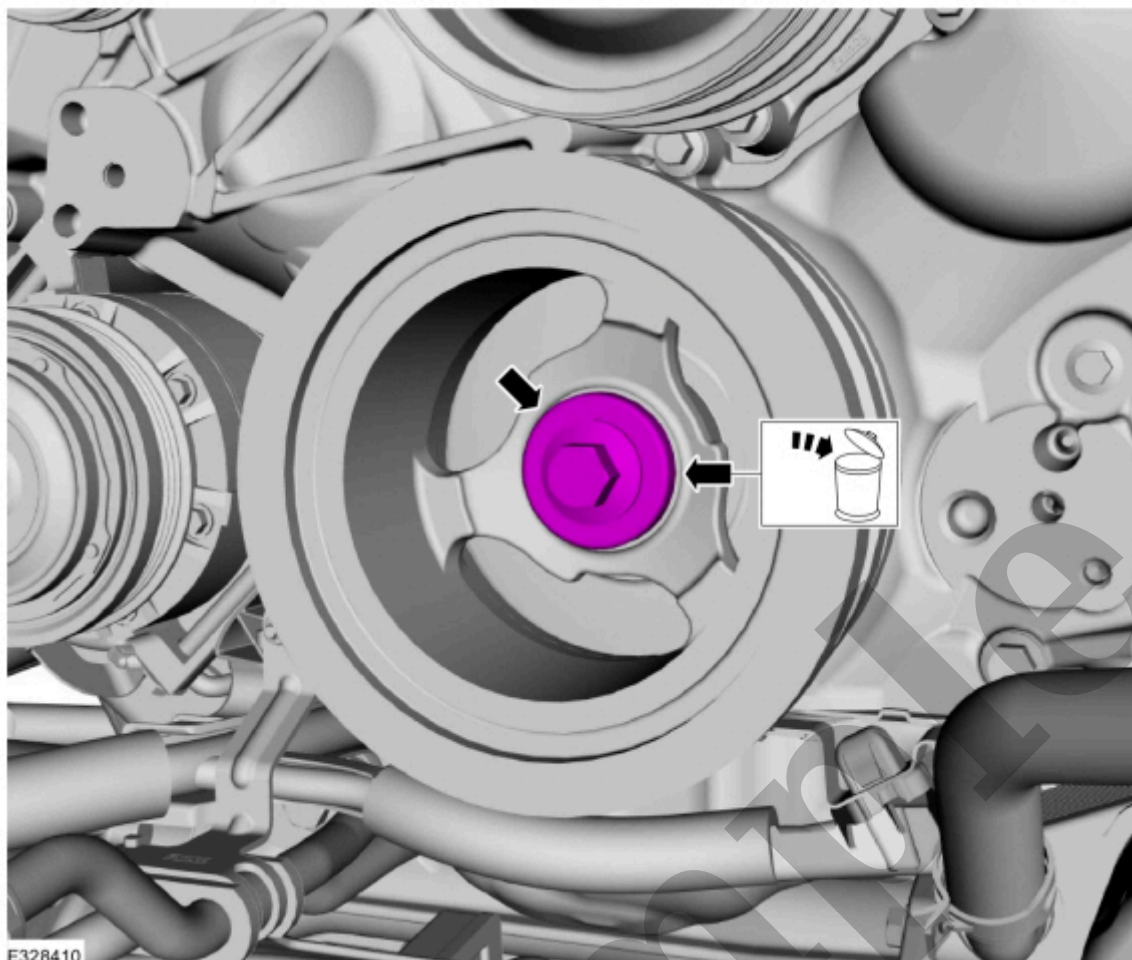
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3. Install the crankshaft pulley.

Refer to: [Crankshaft Pulley](#)(303-01E Engine - 5.0L 32V Ti-VCT, Removal and Installation).

4. Road test the vehicle.

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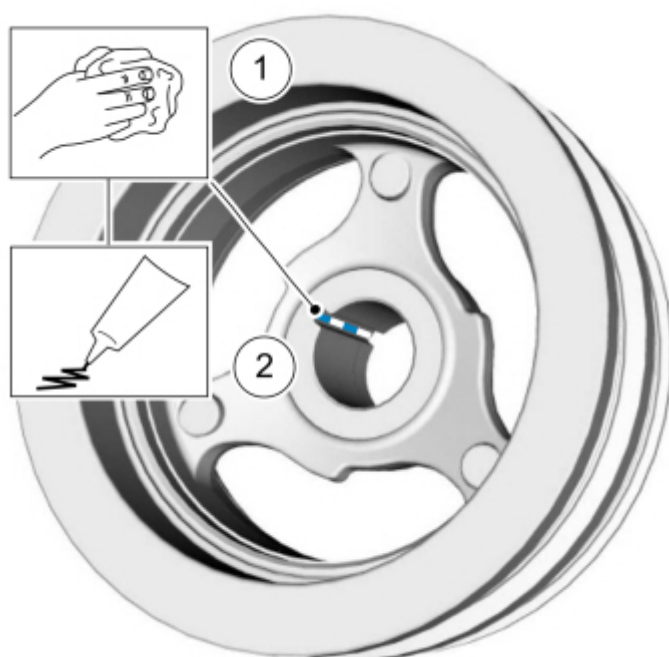
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3. **NOTE**

Use a universal puller (such as an OTC 6667, or equivalent).

Using a universal puller, remove the crankshaft pulley.

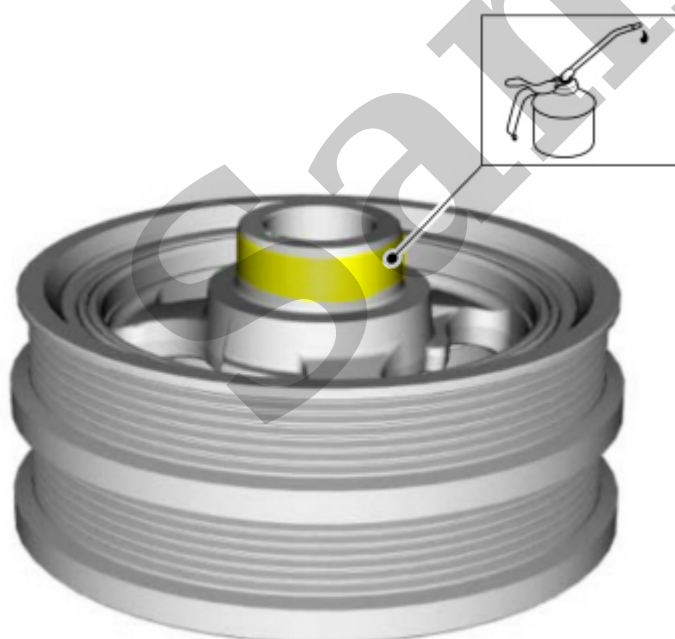
Use the General Equipment: Three Leg Puller



E293194

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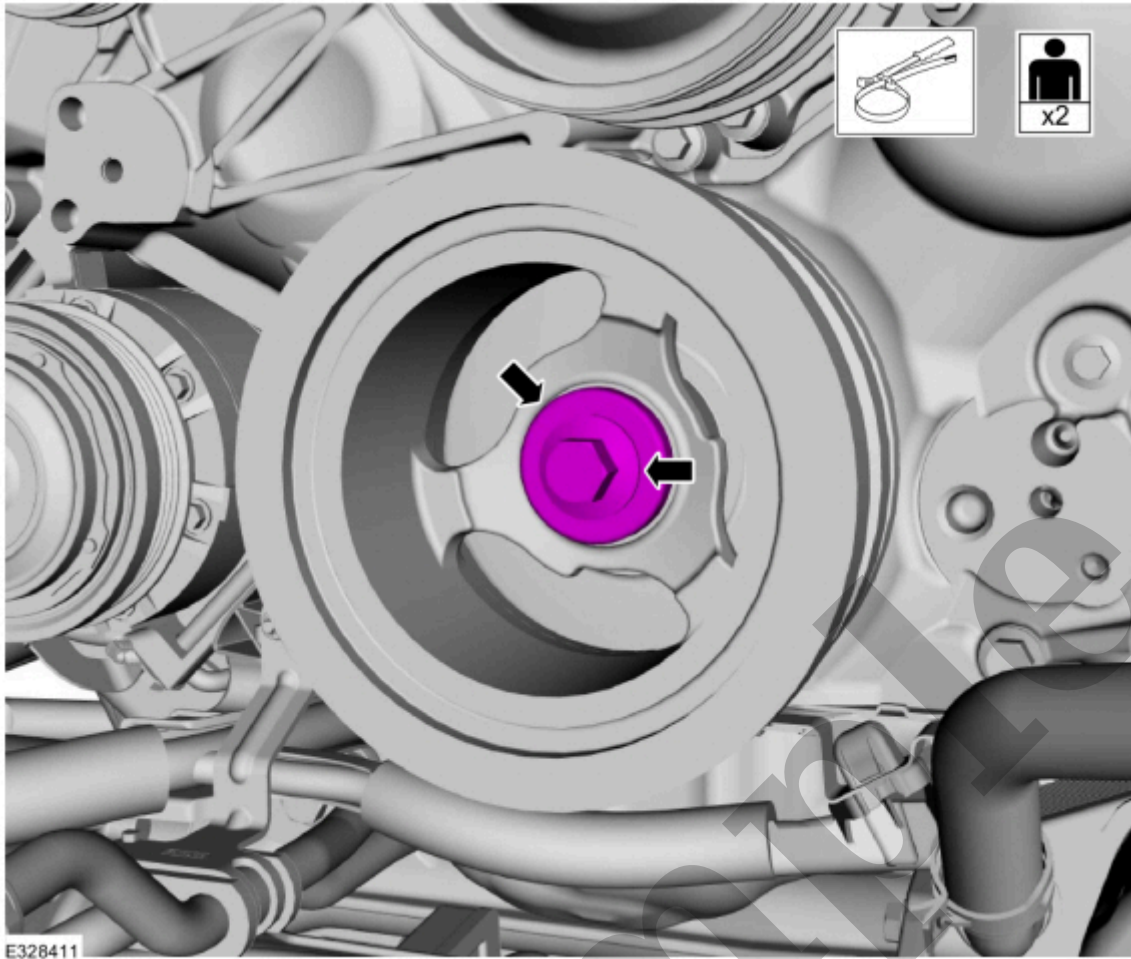
2. Lubricate the crankshaft pulley sealing surface with clean engine oil prior to installation.



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



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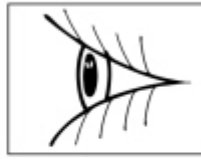
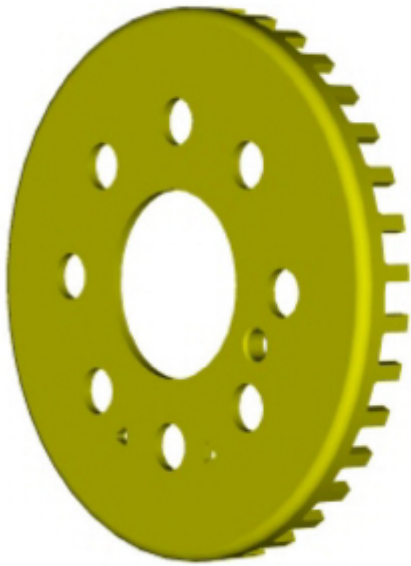
5. Install the A/C compressor belt.

Refer to: [Air Conditioning \(A/C\) Compressor Belt](#)(303-05E Accessory Drive - 5.0L 32V Ti-VCT, Removal and Installation).

6. Use the Powertrain Control Module (PCM) Misfire Monitor Profile Correction routine in the diagnostic scan tool.

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3. Inspect the crankshaft sensor ring for damage. If the crankshaft sensor ring has been dropped or has any visual damage, it must be discarded.



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4. Using the special tools, remove and discard the crankshaft rear seal.

Use Special Service Tool : 303-519 (T95P-6701-EH) Remover, Crankshaft Rear Oil Seal , 100-001 (T50T-100-A) Slide Hammer