



Service Repair Manual

Models

323D 323D L and 323D LN
Excavator

Product: EXCAVATOR

Model: 323D L EXCAVATOR ZMF

Configuration: 323D, 323D L & 323D LN Excavators ZMF00001-UP (MACHINE) POWERED BY C6.4 Engine

Disassembly and Assembly C6.4 Engine for Caterpillar Built Machines

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Crankshaft Pulley - Remove and Install

SMCS - 1205-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2321	Combination Puller	1
B	6V-9120	Socket ⁽¹⁾	1

⁽¹⁾ Tooling (B) is a 46 mm socket.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Remove the belt. Refer to Operation and Maintenance Manual, "Belt - Inspect/Adjust/Replace".
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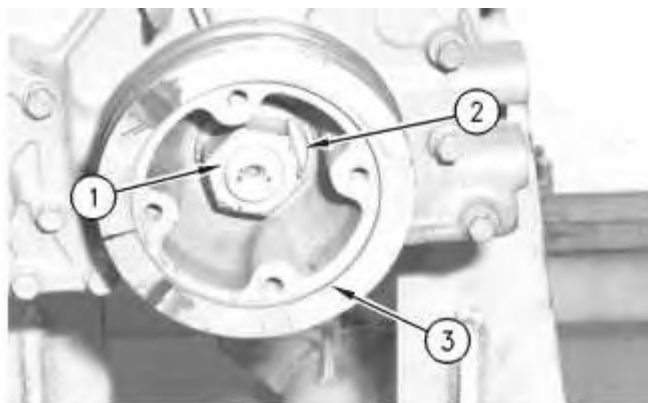


Illustration 1

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2. Use Tooling (B) in order to remove nut (1) and washer (2) from the threaded end of the crankshaft.

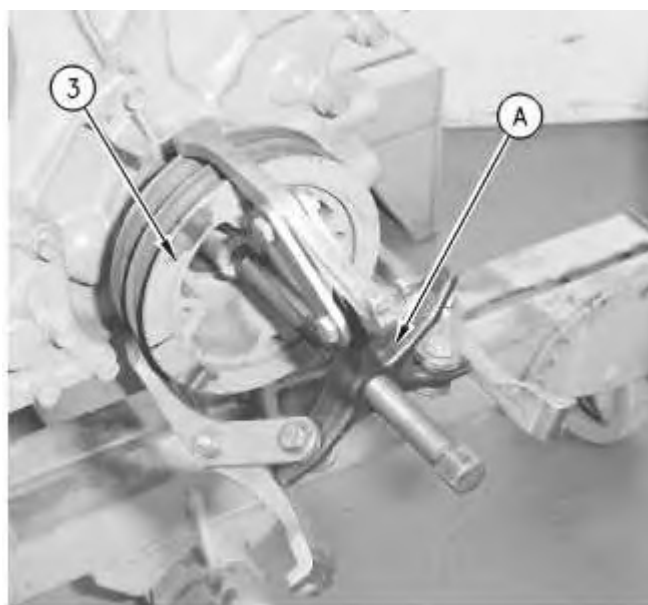


Illustration 2

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3. Use Tooling (A) in order to remove crankshaft pulley (3) from the engine.

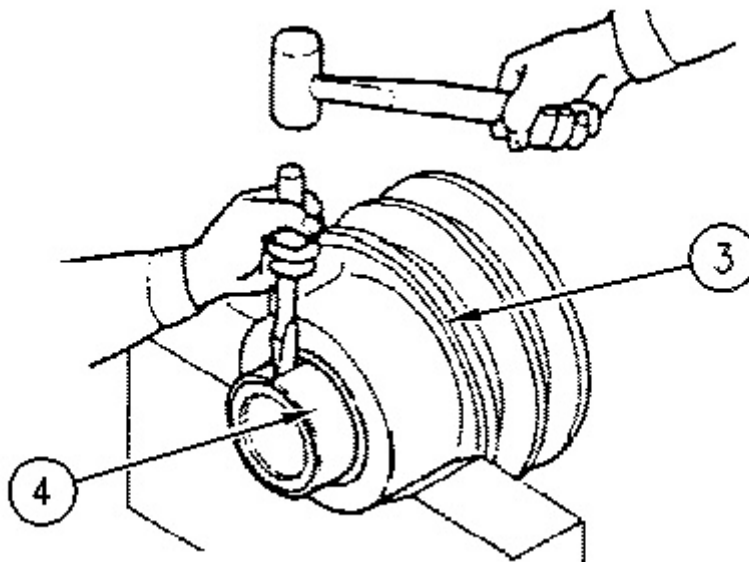


Illustration 3

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4. If it is necessary to remove wear sleeve (4) from crankshaft pulley (3), use a suitable hammer and a suitable chisel. Hold the suitable chisel at right angles to the surface of the wear sleeve. Tap the wear sleeve in three places. You can remove the wear sleeve once the tension is released.

Installation Procedure

Table 2

Required Tools			
Tool	Part Number	Part Description	Qty
B	6V-9120	Socket ⁽¹⁾	1
C	1P-0510	Driver Gp	1

⁽¹⁾ Tooling (B) is a 46 mm socket.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Raise the temperature of the wear sleeve. Use Tooling (C) in order to install the wear sleeve onto the crankshaft pulley.

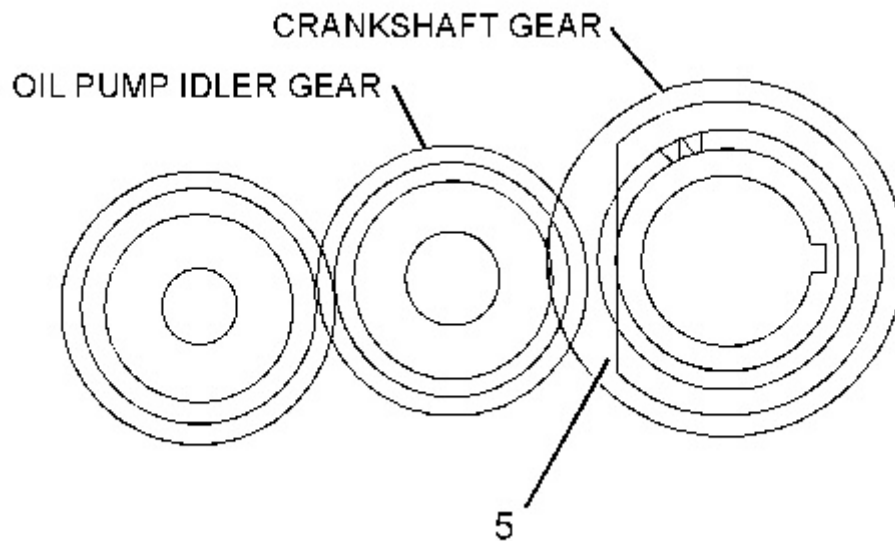


Illustration 4

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2. Ensure that baffle plate (5) is oriented, as shown.

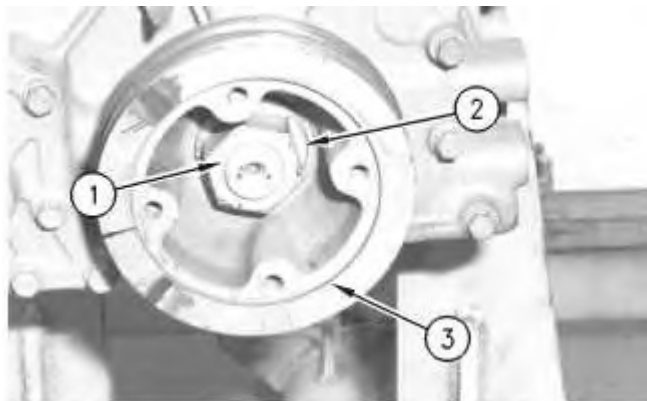


Illustration 5

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3. Position crankshaft pulley (3) onto the engine.
4. Install washer (2) and nut (1). Use Tooling (B) in order to tighten nut (1) to a torque of $707.5 \pm 57.5 \text{ N}\cdot\text{m}$ ($522 \pm 42 \text{ lb ft}$).
5. Install the belt. Refer to Operation and Maintenance Manual, "Belt - Inspect/Adjust/Replace".

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