



Service Repair Manual

Models

C2.2 Industrial Engine

Product: INDUSTRIAL ENGINE
Model: C2.2 INDUSTRIAL ENGINE G7M
Configuration: C2.2 Industrial Engine G7M00001-UP

Disassembly and Assembly C0.5, C0.7, C1.1/3011C, C1.5/3013C, C1.6 and C2.2/3024C/3024CT Industrial Engines and Engines for Caterpillar Built Machines

Media Number -REN2424-09

Publication Date -01/04/2007

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Crankshaft Pulley - Remove and Install

SMCS - 1205-010

Removal Procedure

Start By:

- a. Remove the fan drive belt. Refer to Disassembly and Assembly, "V Belts Remove and Install" for more information.

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	8S-2264	Puller Group	1
	6V-3668	Bolt	3

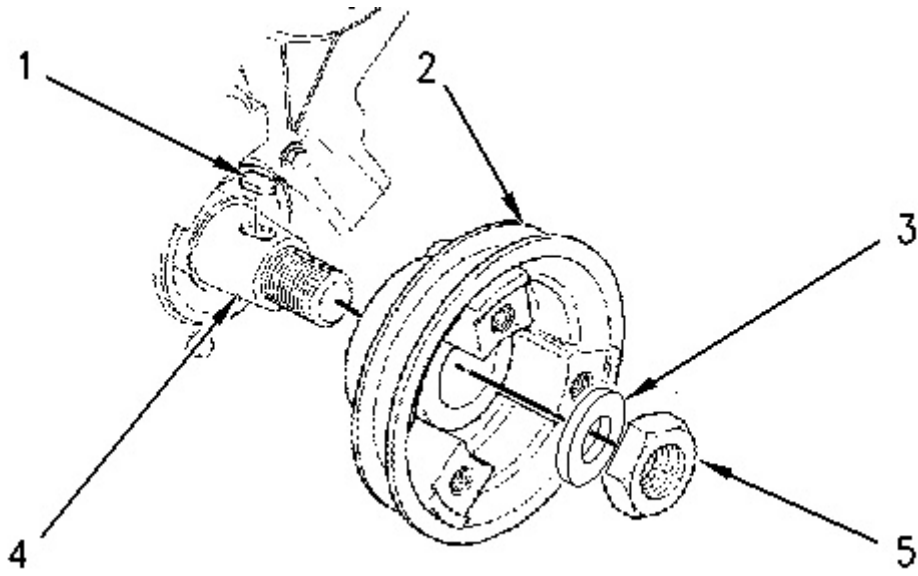


Illustration 1

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1. Remove the nut (5) and the washer (3) from the crankshaft pulley (2).

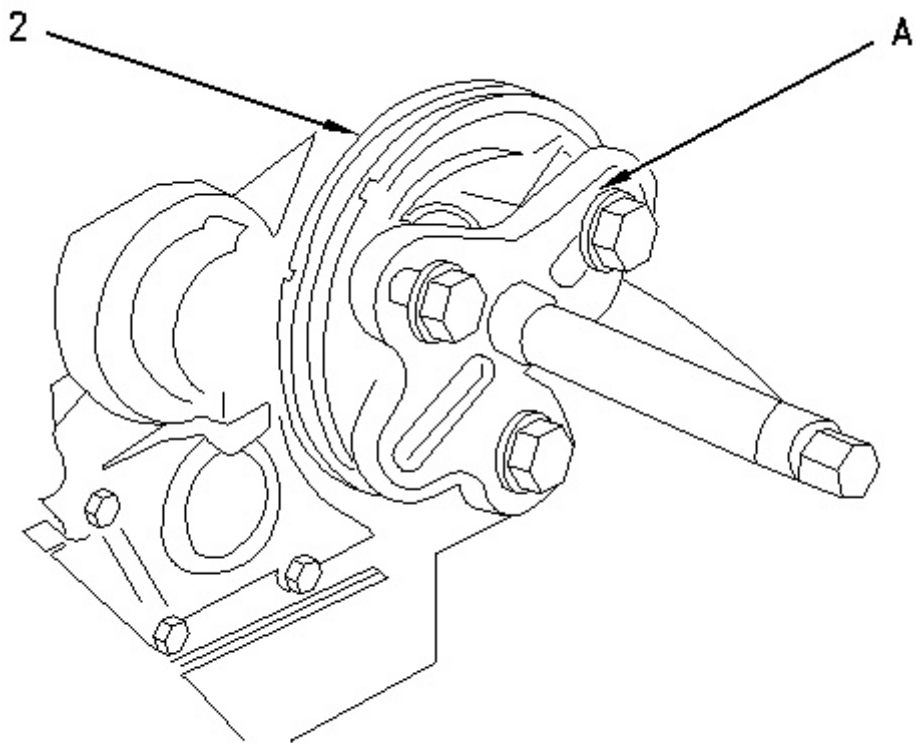


Illustration 2

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2. Install tool (A). Use tool (A) in order to remove the crankshaft pulley (2) from the crankshaft (4).

3. Remove the woodruff key (1) from the crankshaft (4).

Installation Procedure

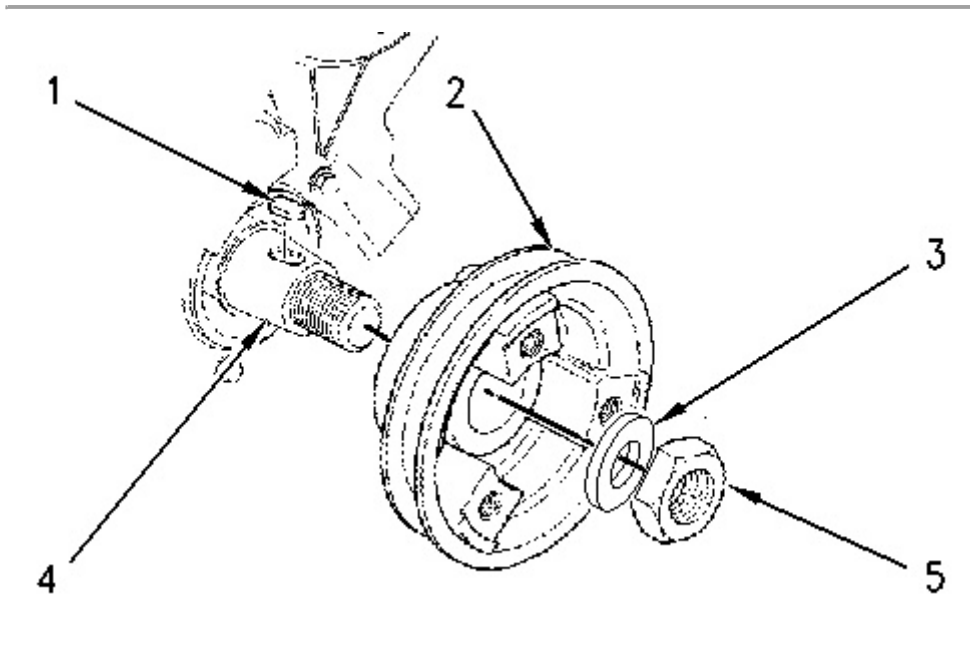


Illustration 3

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Note: Inspect the following components for damage: the taper of the crankshaft, the woodruff key and the bore of the crankshaft pulley. Replace any components that are damaged. Ensure that the taper of the crankshaft and the bore of the crankshaft pulley are clean and dry before assembly.

1. Install the woodruff key (1) to the crankshaft (4).
2. Install the crankshaft pulley (2) to the crankshaft (4).
3. Install the washer (3) to the crankshaft (4).
4. Lubricate the nut (5) with clean engine oil and install the nut.

For C0.5 and C0.7 engines, tighten the nut (5) to a torque of 93 N·m (69 lb ft).

For C1.1/3011C and C1.6 engines, tighten the nut (5) to a torque of 123 N·m (91 lb ft).

For C1.5/3013C, C2.2/3024C and C2.2/3024CT engines, tighten the nut (5) to a torque of 304 N·m (224 lb ft).

End By:

- a. Install the V-belt to the engine. Refer to Disassembly and Assembly, "V Belts Remove and Install".

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Disassembly and Assembly

C0.5, C0.7, C1.1/3011C, C1.5/3013C, C1.6 and C2.2/3024C/3024CT Industrial Engines and Engines for Caterpillar Built Machines

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Crankshaft Front Seal - Remove

SMCS - 1160-011

Removal Procedure for the Front Oil Seal that is Installed in the Engine

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-8145	Drill Bit	1
B	1U-7600	Slide Hammer Puller Gp	1

Start By:

- Remove the crankshaft pulley. Refer to Disassembly and Assembly, "Crankshaft Pulley - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

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