



# Service Repair Manual

## **Model**

322C L, 322C LN Hydraulic Excavator

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Product: EXCAVATOR

Model: 322C EXCAVATOR EMR

Configuration: 322C L, 322C LN Hydraulic Excavators EMR00001-UP (MACHINE) POWERED BY 3126 Engine

## Disassembly and Assembly 3126B Engines for Caterpillar Built Machines

Media Number -SEN9581-06

Publication Date -01/08/2018

Date Updated -17/08/2018

i02370081

# Vibration Damper and Pulley - Remove and Install

SMCS - 1205-010

## Removal Procedure

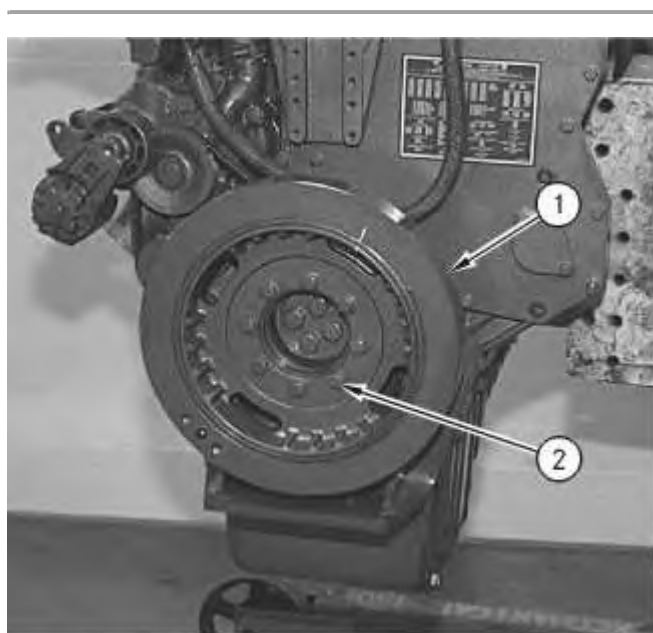


Illustration 1

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1. Remove bolts (2), crankshaft vibration damper (1), and the spacers from the crankshaft pulley.

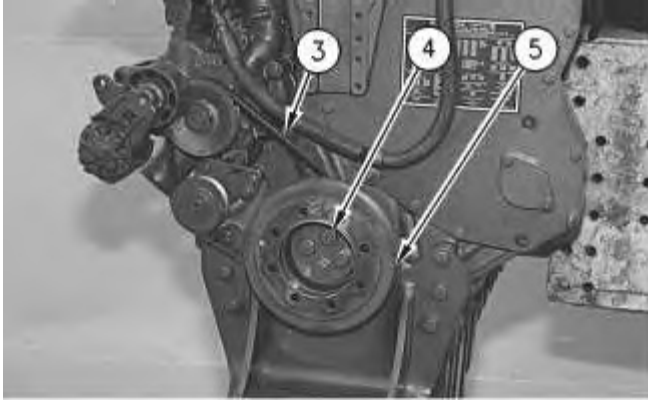


Illustration 2

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2. Remove belt (3). Refer to Operation and Maintenance Manual, "Belt - Inspect".
3. Remove bolts (4).
4. Remove crankshaft pulley (5).

## Installation Procedure

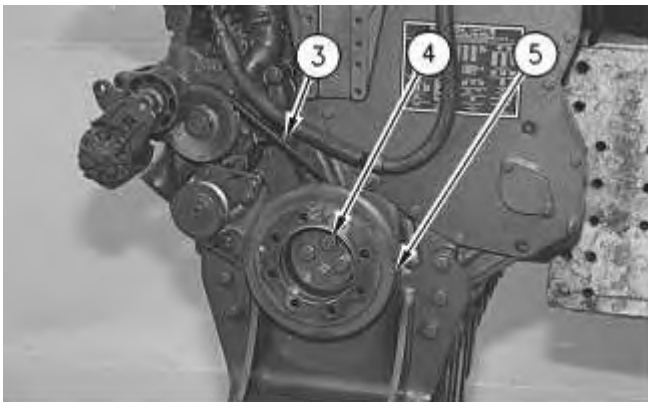


Illustration 3

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1. Position crankshaft pulley (5) on the crankshaft. Install bolts (4) and tighten the bolts to a torque of  $160 \pm 30 \text{ N}\cdot\text{m}$  ( $118 \pm 22 \text{ lb ft}$ ).
2. Install belt (3). Refer to Operation and Maintenance Manual, "Belt - Inspect".

**Note:** Check the alignment marks on the rubber vibration dampers for proper alignment. The rubber vibration damper should be replaced if the rubber vibration damper is out of alignment. Refer to Specifications, "Vibration Damper".

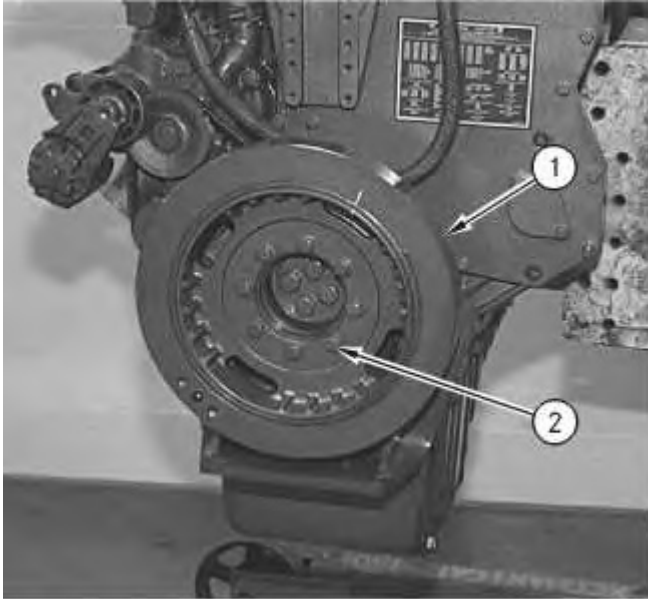


Illustration 4

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3. Install the spacers and crankshaft vibration damper (1). Install bolts (2) and tighten to a torque of  $55 \pm 10 \text{ N}\cdot\text{m}$  ( $40 \pm 7 \text{ lb ft}$ ).
4. Adjust the tension of the belt. Refer to Specifications, "Belt Tension Chart".

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i01982085

## Crankshaft Front Seal - Remove

SMCS - 1160-011

## Removal Procedure

Table 1

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

### Start By:

- Remove the vibration damper and the pulley. Refer to Disassembly and Assembly, "Vibration Damper and Pulley - Remove and Install".

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### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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