



# Service Repair Manual

## **Models**

# C27 Locomotive Engine

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Product: INDUSTRIAL ENGINE  
Model: C27 INDUSTRIAL ENGINE WJC  
Configuration: C27 Locomotive Engine WJC00001-UP

## Disassembly and Assembly C27 and C32 Engines

Media Number -M0074364-00

Publication Date -01/08/2015

Date Updated -13/09/2016

i02986920

# Crankshaft Front Seal - Install

SMCS - 1160-012

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
E	5P-1733	Seal Locator	1
	5P-1737	Bolt	3
	9S-8858	Nut (Seal Installer)	1
	6V-6142	Seal Installer	1

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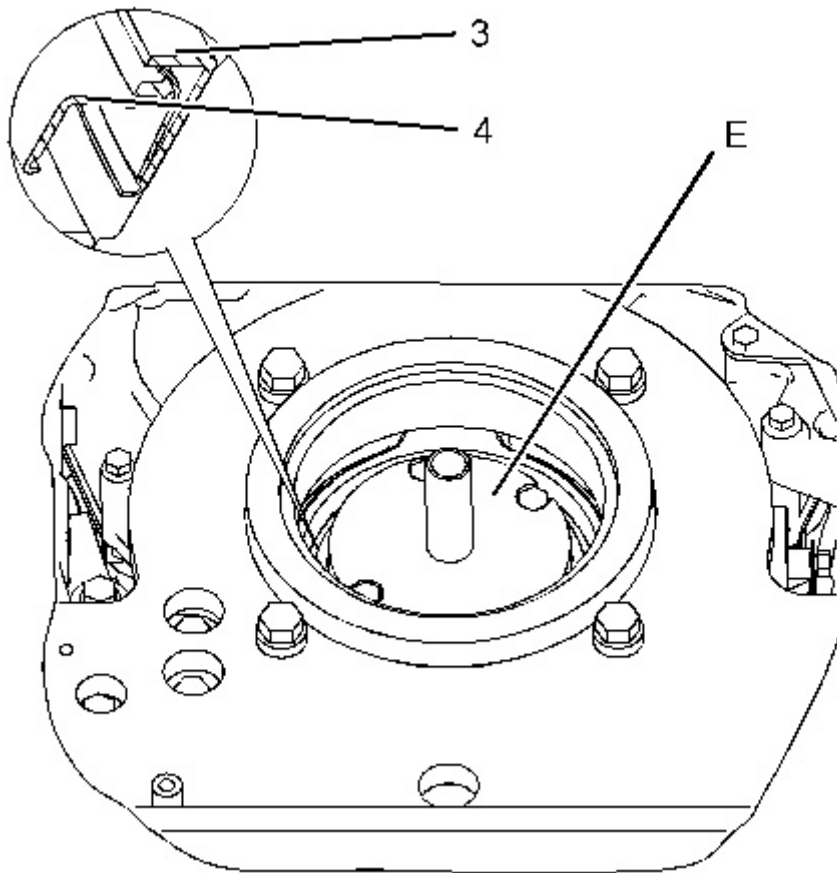
### NOTICE

**Keep all parts clean from contaminants.**

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

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1. Clean the outside diameter of the crankshaft.
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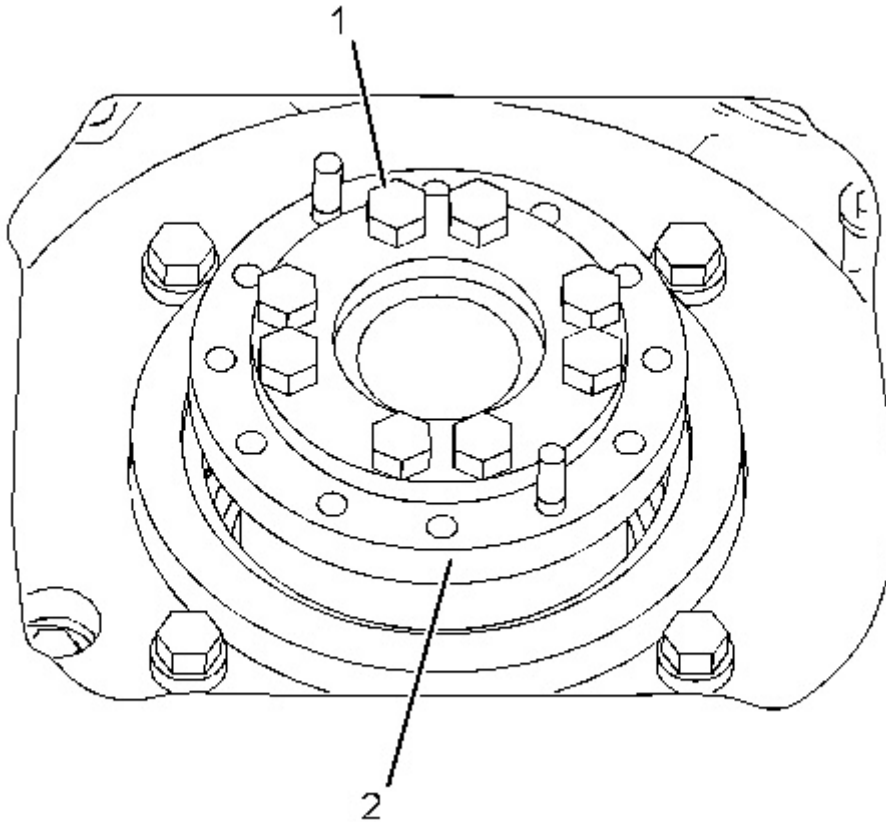
Illustration 1

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2. Use Tooling (E) to install crankshaft front seal (4) and crankshaft wear sleeve (3) as a unit.

**Note:** Install the crankshaft front seal with the arrow that shows the direction of crankshaft rotation toward the front of the engine.

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Illustration 2

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3. Install adapter (2) and bolts (1).

**End By:**

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

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i05933887

## Gear Group (Front) - Remove

SMCS - 1206-011

### Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-2241	Camshaft Bearing Tool Group	1
	6V-4869	Adapter	1
	6V-6174	Plug	1

#### Start By:

- Remove the front housing. Refer to Disassembly and Assembly, "Housing (Front) - Remove".

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