



# Service Repair Manual

## **Models**

325C and 325C L Excavator

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Product: EXCAVATOR

Model: 325C EXCAVATOR BFE

Configuration: 325C L Excavator BFE00001-UP (MACHINE) POWERED BY 3126B Engine

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

Media Number -SEN9581-06

Publication Date -01/08/2018

Date Updated -17/08/2018

i01196838

### **Camshaft - Remove**

SMCS - 1210-011

### **Removal Procedure**

#### **Start By:**

- a. Remove the lifter group. Refer to Disassembly and Assembly, "Lifter Group - Remove and Install".
- b. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove".

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#### **NOTICE**

**Keep all parts clean from contaminants.**

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

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#### **NOTICE**

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.**

**Dispose of all fluids according to local regulations and mandates.**

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1. Turn the crankshaft to top center compression stroke for the No. 1 piston. Install the timing bolt in the flywheel. This is for timing during installation.
2. Ensure that the timing marks on the following gears are aligned: the camshaft drive gear, the idler gear and the crankshaft gear.

**Note:** It is not necessary to remove the cylinder head for removal of the camshaft.

3. Wire the valve lifters away from the camshaft.

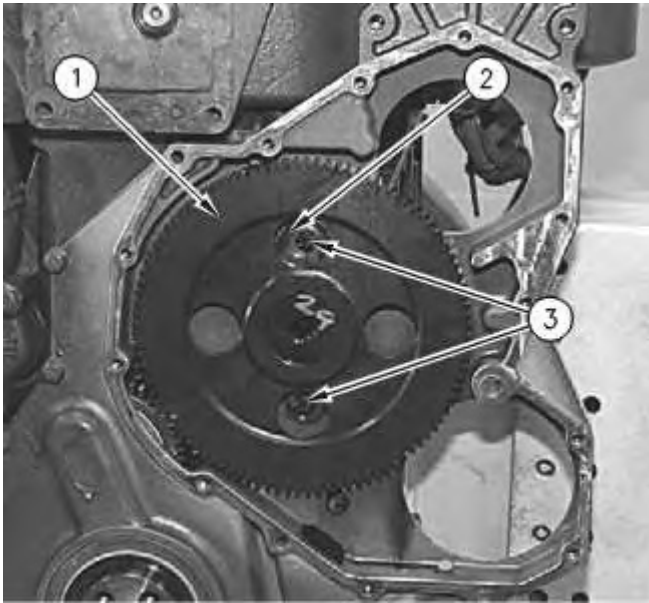


Illustration 1

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4. Remove two bolts (3) and camshaft retainer plate (2) from camshaft gear (1).

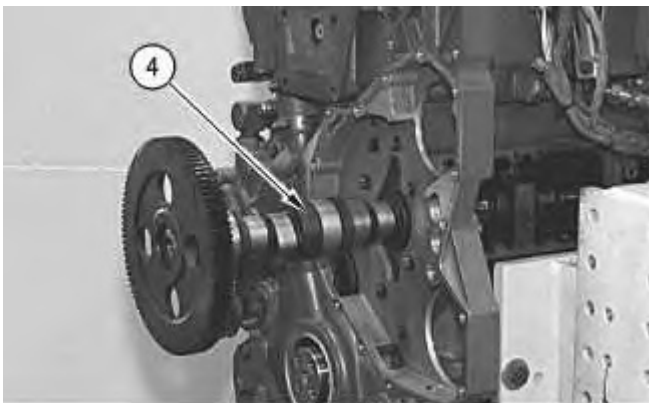


Illustration 2

g00640030

5. Remove camshaft (4) from the cylinder block.
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Media Number -SEN9581-06

Publication Date -01/08/2018

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i01196611

### Camshaft - Install

SMCS - 1210-012

### Installation Procedure

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#### NOTICE

**Keep all parts clean from contaminants.**

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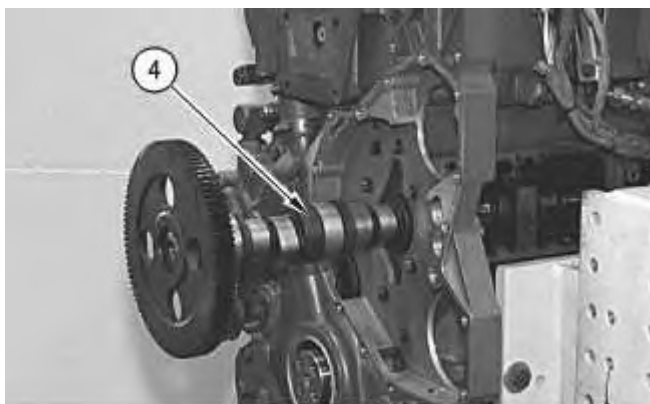


Illustration 1

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1. Carefully install camshaft (4) in the engine.

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#### NOTICE

**When installing the camshaft, make sure the number one cylinder is at top center of the compression stroke with the timing bolt installed in the flywheel. The camshaft timing is very important. The timing mark on the camshaft drive gear must line up with the timing mark on the idler gear. Refer to the Specifications Manual for more information.**

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2. Ensure that the timing marks on the following gears are aligned: the camshaft drive gear, the idler gear and the crankshaft gear.

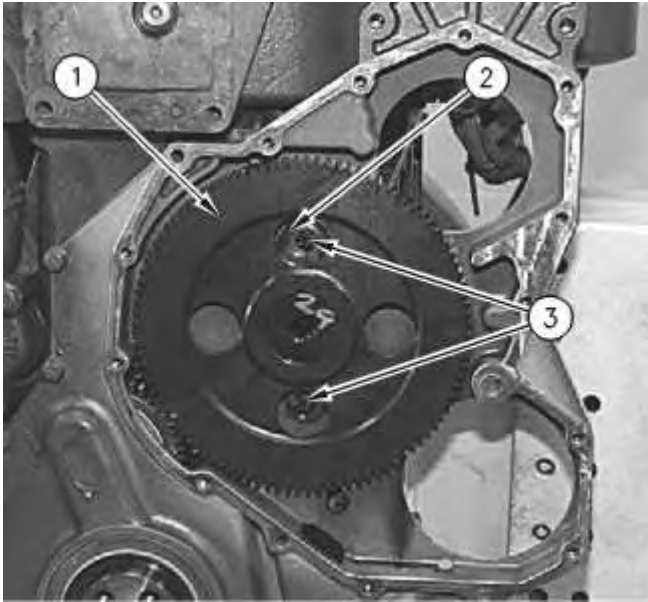


Illustration 2

g00640035

3. Install camshaft retainer plate (2) and two bolts (3) on camshaft gear (1).

**End By:**

- a. Install the front cover. Refer to Disassembly and Assembly, "Front Cover - Install".
- b. Install the lifter group. Refer to Disassembly and Assembly, "Lifter Group - Remove and Install".

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