

Model: 740B ARTICULATED TRUCK L4E

Configuration: 740B Articulated Truck L4E00001-UP (MACHINE) POWERED BY C15 Engine

## **Disassembly and Assembly C15 and C18 Engines for Caterpillar Built Machines**

Media Number -REN8261-28

Publication Date -01/08/2015

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i02211115

# **Cylinder Head - Remove**

SMCS - 1100-011

## **Removal Procedure**

### **Start By:**

- a. Remove the camshaft gear. Refer to Disassembly and Assembly, "Camshaft Gear - Remove and Install".
- b. Remove the electronic unit injectors. Refer to Disassembly and Assembly, "Electronic Unit Injector - Remove".
- c. Remove the valve mechanism cover base. Refer to Disassembly and Assembly, "Valve Mechanism Cover Base - Remove and Install".
- d. Remove the turbochargers. Refer to Disassembly and Assembly, "Turbocharger - Remove".

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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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## NOTICE

**Keep all parts clean from contaminants.**

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

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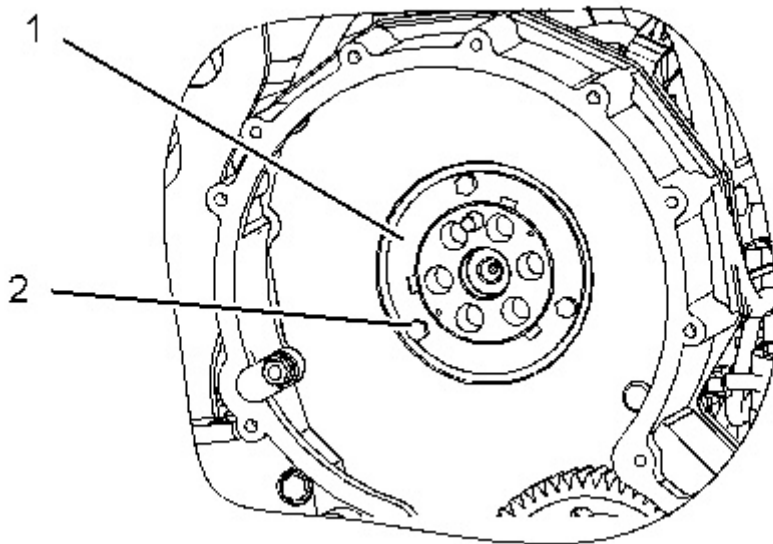
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## NOTICE

**Do not turn the crankshaft or the camshaft while the camshaft gear is removed. If the front gear group is not correctly timed during installation, interference can occur between the pistons and the valves, resulting in damage to the engine.**

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1. Drain the cooling system. Refer to Operation and Maintenance Manual, "Cooling System Coolant - Change".
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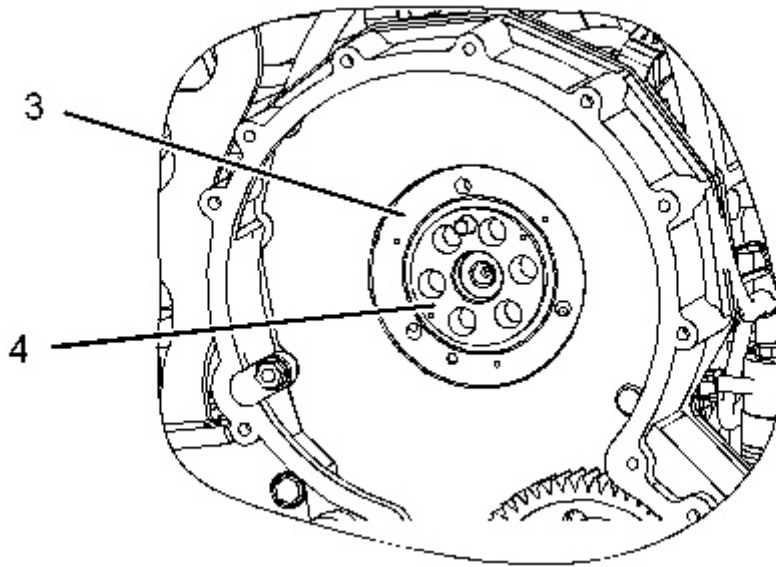


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Illustration 1

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2. Remove bolts (2) and thrust plate (1).
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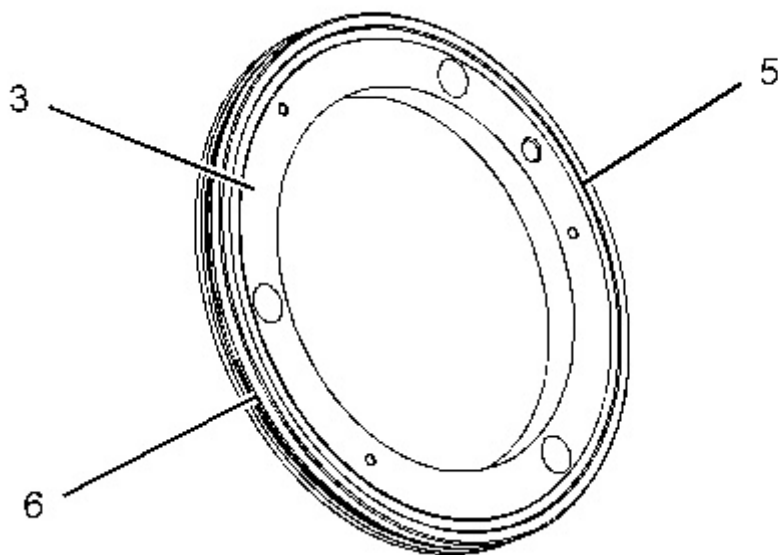


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Illustration 2

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3. Remove sealing plate (3) and adapter assembly (4).
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Illustration 3

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4. Remove O-ring seal (5) and O-ring seal (6) from sealing plate (3).
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