



Service Repair Manual

Models

650B and 660B
WHEEL TRACTOR

Product: WHEEL TRACTOR
Model: 650B WHEEL TRACTOR 58K
Configuration: 650B & 660B TRACTORS 58K00001-UP (MACHINE)

Disassembly and Assembly 3406E and 3456 Engines for Caterpillar Built Machines

Media Number -REN1364-06

Publication Date -01/05/2008

Date Updated -20/05/2008

i02489840

Cylinder Head - Remove

SMCS - 1100-011

Removal Procedure

Start By:

- A. Remove the water temperature regulator. Refer to Disassembly and Assembly, "Water Temperature Regulator - Remove and Install".
- B. Remove the exhaust manifold. Refer to Disassembly and Assembly, "Exhaust Manifold - Remove and Install".
- C. Remove the valve mechanism cover base. Refer to Disassembly and Assembly, "Valve Mechanism Cover Base - Remove and Install".
- D. Remove the electronic unit injectors. Refer to Disassembly and Assembly, "Electronic Unit Injector - Remove".
- E. Remove the camshaft gear. Refer to Disassembly and Assembly, "Camshaft Gear - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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, "Caterpillar Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

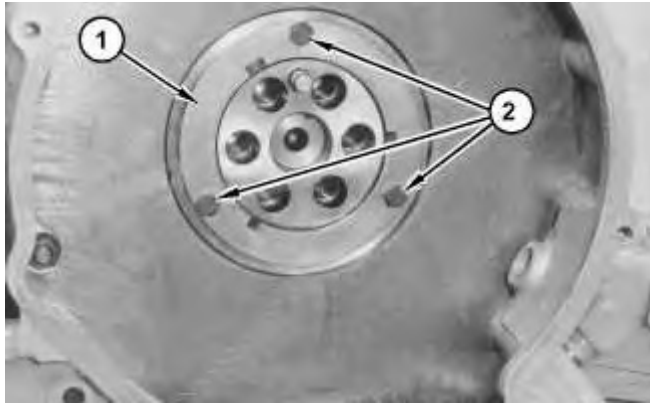


Illustration 1

g01028806

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.

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

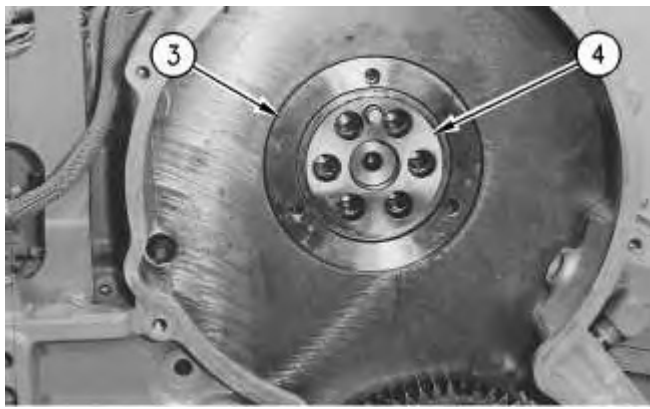


Illustration 2

g00576209

2. Remove seal assembly (3) and adapter (4) .

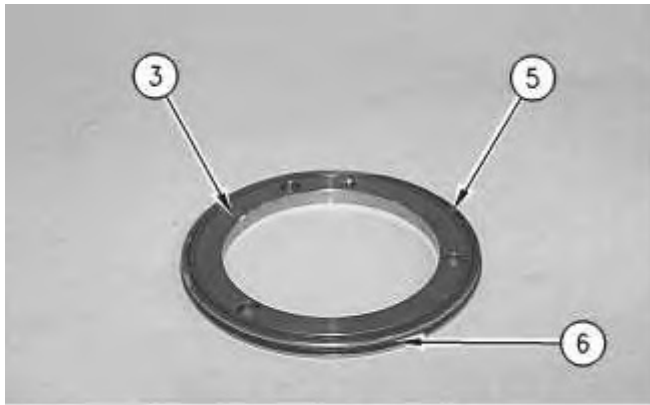


Illustration 3

g00576240

3. Remove O-ring seals (5) and (6) from seal assembly (3) .

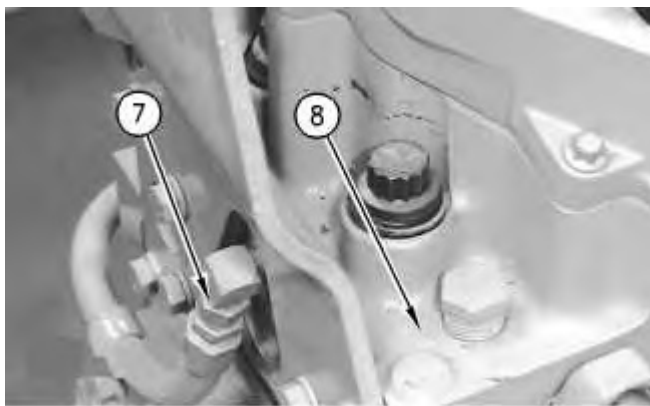


Illustration 4

g00580805

4. Disconnect hose assembly (7) from cylinder head (8) .

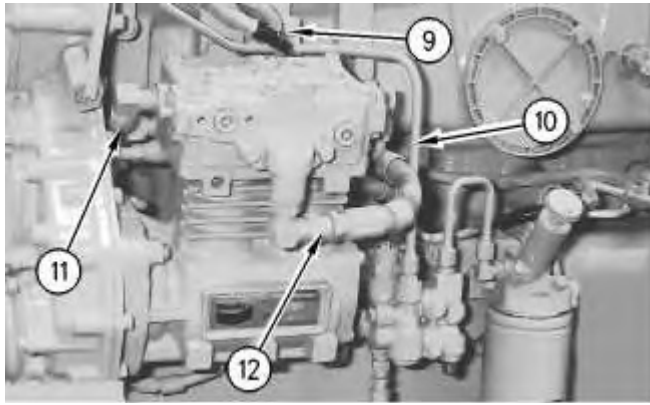


Illustration 5

g00580807

Note: If the engine is not equipped with an air compressor, skip Step 5.

5. Disconnect hose assemblies (11) and hose assemblies (12) from the air compressor.
6. Remove the bolt and clamp (9) from the hose assembly. Remove hose assembly (10) .

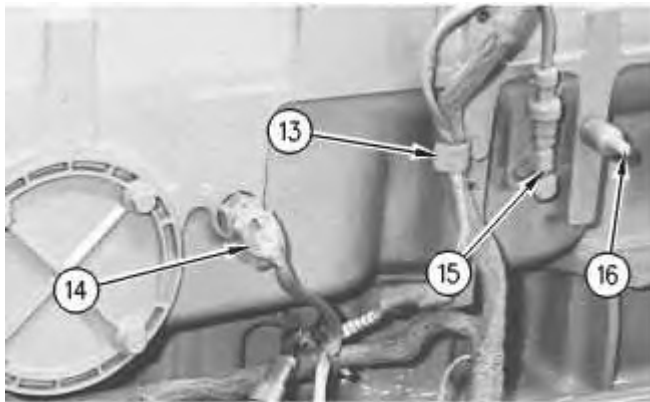


Illustration 6

g00580808

7. Remove the bolt and support clip (13) for the harness assembly.
 8. Disconnect the harness assembly from sensor (14) , sensor (15) , and ground stud (16) .
-

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com