CATERPILLAR®

Service Repair Manual

Models

657 WHEEL SCRAPER

Product: WHEEL SCRAPER
Model: 657 WHEEL SCRAPER 53K
Configuration: 657 SCRAPERS 53K00001-00637 (MACHINE)

Disassembly and Assembly 3406E and 3456 Engines for Caterpillar Built Machines Media Number -RENR1364-06 Publication Date -01/05/2008

Date Updated -20/05/2008

i07498909

Cylinder Head - Install

SMCS - 1100-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
Α	-	Loctite Graphite 50 Anti-Seize	-
В	8T-2998	Lubricant	1
С	98-3263	Thread Lock Compound	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Thoroughly clean the spacer plate and the bottom surface of the cylinder head. A new spacer plate gasket must be installed when the cylinder head is removed.

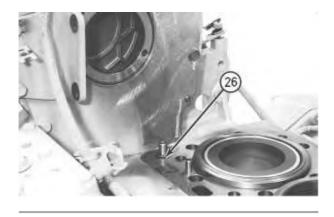


Illustration 1

g00632049

1. Apply a thin film of clean engine oil to O-ring seal (26). Install O-ring seal (26).



Illustration 2

g00632048

- 2. Install a new spacer plate gasket (25).
- 3. Install the spacer plate on the engine.

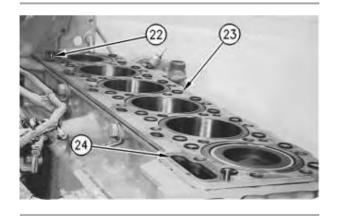


Illustration 3

g00632047

- 4. Apply a thin film of clean engine oil to O-ring seal (22). Install O-ring seal (22).
- 5. Install water seals (23) dry.
- 6. Install seal (24) in the spacer plate.

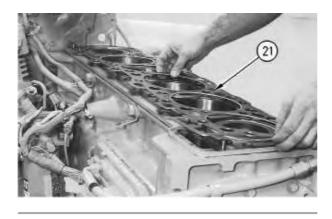


Illustration 4

g00580833

7. Install a new cylinder head gasket (21).

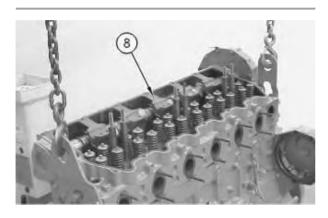


Illustration 5

g00580812

8. Attach a suitable lifting device to cylinder head (8). Carefully position cylinder head (8) on the spacer plate. The weight of the cylinder head is approximately 235 kg (518 lb).

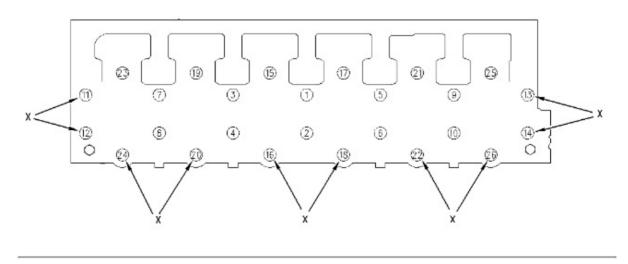


Illustration 6

g00513934

Note: The bolts that are Marked "X" are 216 mm (8.5 inch) long. The remainders of the bolts are 194 mm (7.6 inch) in length.

- 9. Apply a small amount of Tooling (A) to the bolt threads and both sides of the washers. Install the cylinder head bolts. Tighten the cylinder head bolts, as follows.
 - a. In a numerical sequence, tighten bolts 1 through 26 to a torque of 270 ± 15 N·m (200 ± 11 lb ft).
 - b. In a numerical sequence, tighten bolts 1 through 26 to a torque of 450 ± 15 N·m (330 ± 11 lb ft).
 - c. In a numerical sequence, again tighten bolts 1 through 26 to a torque of 450 ± 15 N·m $(330 \pm 11$ lb ft).

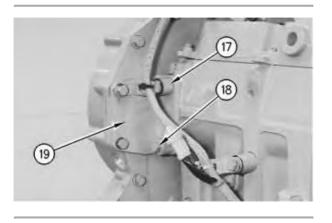


Illustration 7

g00580810

10. Install spacers (17) and bolts (18) that fasten bracket (19) to the cylinder head.

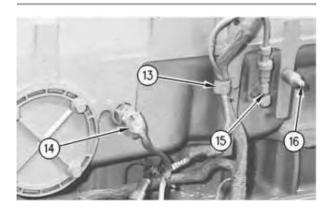


Illustration 8

g00580808

- 11. Connect the harness assembly to sensor (14), sensor (15), and ground stud (16).
- 12. Install the bolt and support clip (13) for the harness assembly.

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