



Service Repair Manual

Models

229D EXCAVATOR

Product: EXCAVATOR

Model: 229D EXCAVATOR 2LJ

Configuration: 229D EXCAVATOR 2LJ00001-UP (MACHINE) POWERED BY 3304 ENGINE

Disassembly and Assembly 3304B and 3306B Engines for Caterpillar Built Machines

Media Number -SEN5598-09

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i01045029

Spacer Plate - Remove and Install

SMCS - 1221-010

Removal Procedure

Start By:

- A. Remove the cylinder head. Refer to Disassembly and Assembly, "Cylinder Head - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

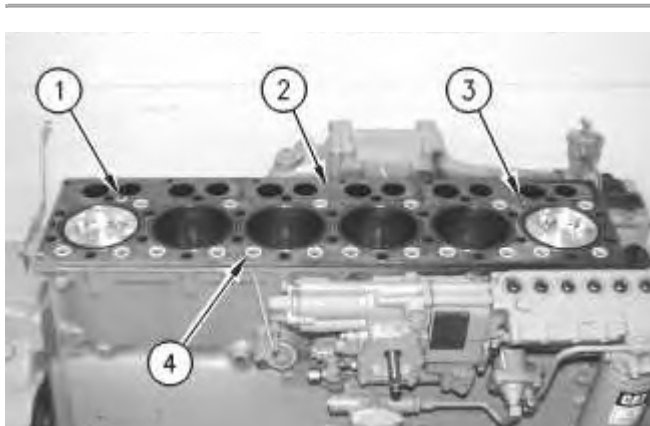


Illustration 1

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1. Remove O-ring seal (1), water seals (3) and water directors (4) from spacer plate (2) .

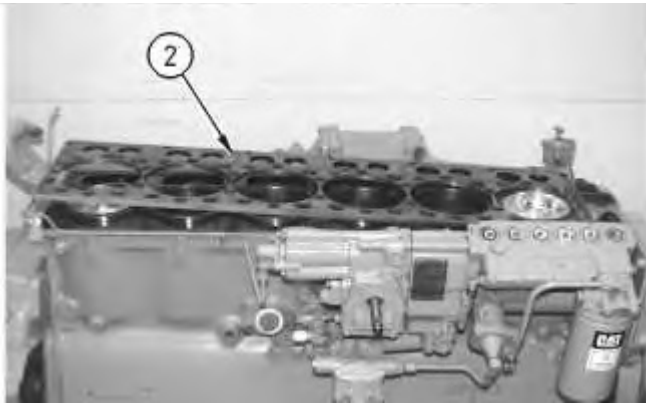


Illustration 2

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NOTICE

Do not damage the dowels as the spacer plate is removed.

2. Remove spacer plate (2) from the cylinder head.

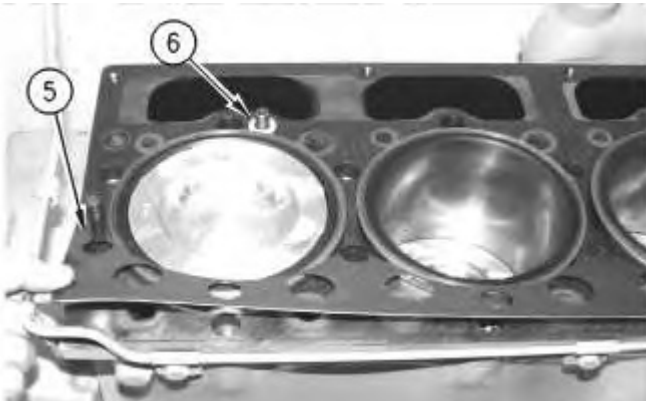


Illustration 3

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3. Remove O-ring seal (6) and spacer plate gasket (5) from the cylinder head.

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Thoroughly clean the mating surfaces between the spacer plate and the cylinder block.

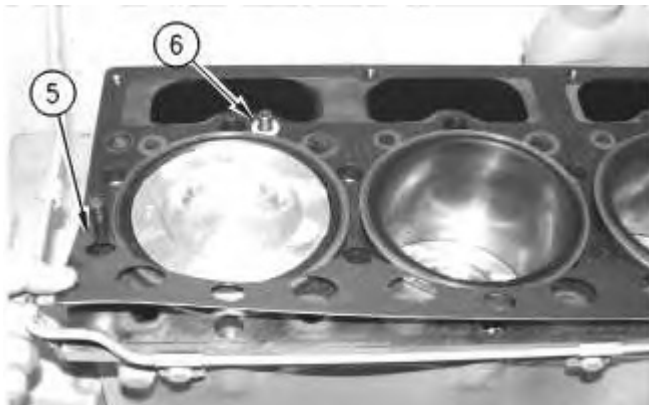


Illustration 4

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2. Install new spacer plate gasket (5) and new O-ring seal (6) .

Note: If the dowels in the cylinder block have been removed for any reason, the overall height of the installation is 16.0 ± 5.0 mm ($.63 \pm .20$ inch).

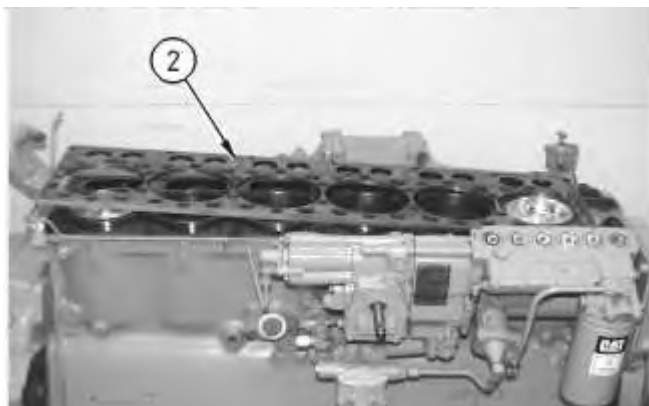


Illustration 5

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Note: Both surfaces of the spacer plate, spacer plate gasket and the top of the cylinder block must be clean and dry. Do not use any gasket adhesive or other substances on these surfaces.

3. Install spacer plate (2) on the cylinder head.

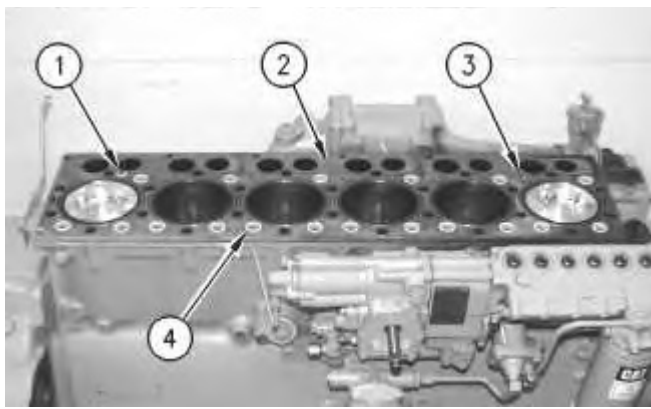


Illustration 6

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4. Install a new O-ring seal (1). Install new water seals (3). Install new water directors (4) .
5. Check the cylinder liner projection. Refer to Disassembly and Assembly, "Cylinder Liner - Install".

End By: Install the cylinder head. Refer to Disassembly and Assembly, "Cylinder Head - Install".

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