



Service Repair Manual

Models

323D LN and 323D S Excavator

Product: EXCAVATOR

Model: 323D S EXCAVATOR SED

Configuration: 323D LN & 323D S Excavators SED00001-UP (MACHINE) POWERED BY C6.4 Engine

Disassembly and Assembly C6.4 Engine for Caterpillar Built Machines

Media Number -KENR8106-09

Publication Date -01/10/2017

Date Updated -18/10/2017

i04458588

Piston Cooling Jets - Remove and Install

SMCS - 1331-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-9120	Socket ⁽¹⁾	1

⁽¹⁾ Tooling (A) is a 46 mm socket.

Start By:

- A. Remove the oil pan. Refer to Disassembly and Assembly, "Engine Oil Pan - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.



Illustration 1

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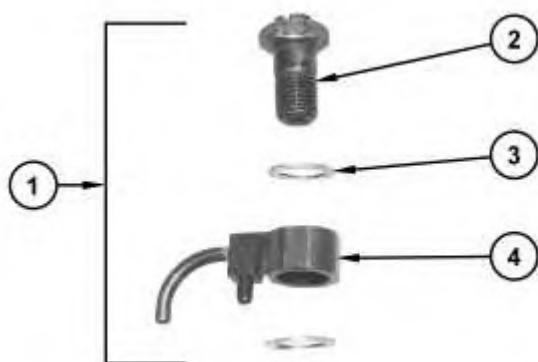


Illustration 2

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1. Remove piston cooling jet (1) .
2. Remove gaskets (3) and jet (4) from valve (2) .
3. Use Tooling (A) in order to rotate the engine. Rotating the engine will allow access to the remaining piston cooling jets (1) .

Installation Procedure

Table 2

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-9120	Socket ⁽¹⁾	1

⁽¹⁾ Tooling (A) is a 46 mm socket.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

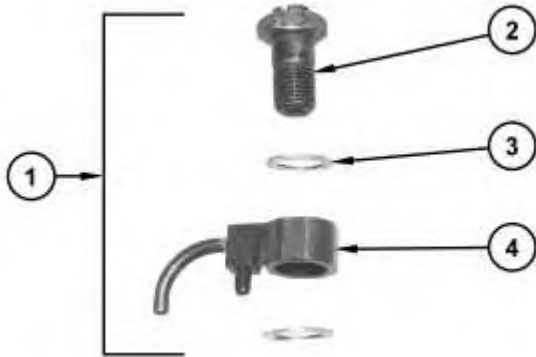


Illustration 3

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Illustration 4

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1. Install gaskets (3) and jet (4) onto valve (2) .
2. Install piston cooling jet (1) and tighten valve (2) to $34 \pm 5 \text{ N}\cdot\text{m}$ ($25 \pm 4 \text{ lb ft}$).
3. Use Tooling (A) in order to rotate the engine. Rotating the engine will allow access to the remaining piston cooling jets (1) .

End By: Install the oil pan. Refer to Disassembly and Assembly, "Engine Oil Pan - Install".

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i01138571

Pistons and Connecting Rods - Remove

SMCS - 1225-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-2269	Ridge Reamer	1
B	6V-9120	Socket ⁽¹⁾	1

⁽¹⁾ Tool (B) is a 46 mm socket.

Start By:

- Remove the cylinder head. Refer to Disassembly and Assembly, "Cylinder Head - Remove".
- Remove the engine oil pan. Refer to Disassembly and Assembly, "Engine Oil Pan - Remove and Install".
- Remove the oil supply tube. Refer to Disassembly and Assembly, "Crankshaft - Remove".

NOTICE

Keep all parts clean from contaminants.

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