



Service Repair Manual

Models

325D and 325D L Excavator

Product: EXCAVATOR

Model: 325D L EXCAVATOR SCR

Configuration: 325D & 325D L Excavators SCR00001-UP (MACHINE) POWERED BY C7 Engine

Disassembly and Assembly C7

Engines for Caterpillar Built Machines

Media Number -REN9218-13

Publication Date -01/06/2014

Date Updated -04/06/2014

i02303869

Rocker Shaft and Pushrod - Install

SMCS - 1102-012; 1208-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8T-2998	Lubricant	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

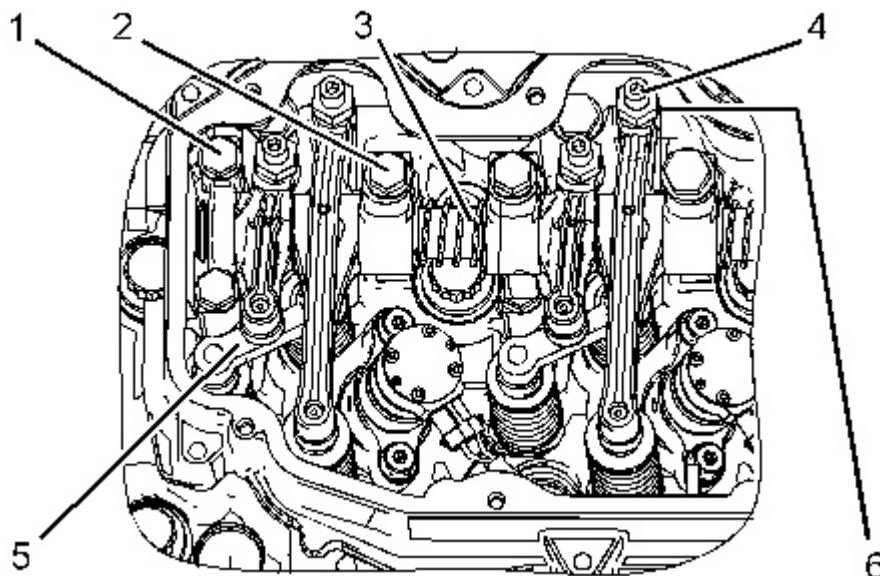


Illustration 1

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1. Apply Tooling (A) to both ends of pushrods (6) .
2. Lubricate pushrods (6) with clean engine oil. Install pushrods (6) and inlet valve bridges (5) .
3. Position rocker shaft (3). Install bolts (1) and bolts (2). Finger tighten bolts (1) and bolts (2). Tighten bolts (2) and bolts (1) to standard torque.
4. Apply Tooling (A) to each of the button faces of the rocker arms.
5. Adjust the valve lash of the rocker arm by turning rocker arm adjustment screws (4). Refer to Testing and Adjusting, "Engine Valve Lash - Inspect/Adjust".

End By: Install the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install".

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i02303932

Cylinder Head - Remove

SMCS - 1100-011

Removal Procedure

Start By:

- A. Remove the valve mechanism cover base. Refer to Disassembly and Assembly, "Valve Mechanism Cover Base - Remove and Install".
- B. Remove the rocker shaft and pushrods. Refer to Disassembly and Assembly, "Rocker Shaft And Pushrod - Remove".
- C. Remove the unit injectors. Refer to Disassembly and Assembly, "Unit Injector - Remove".
- D. Remove the fan drive mounting group. Refer to Disassembly and Assembly, "Fan Drive Mounting Group - 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 Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

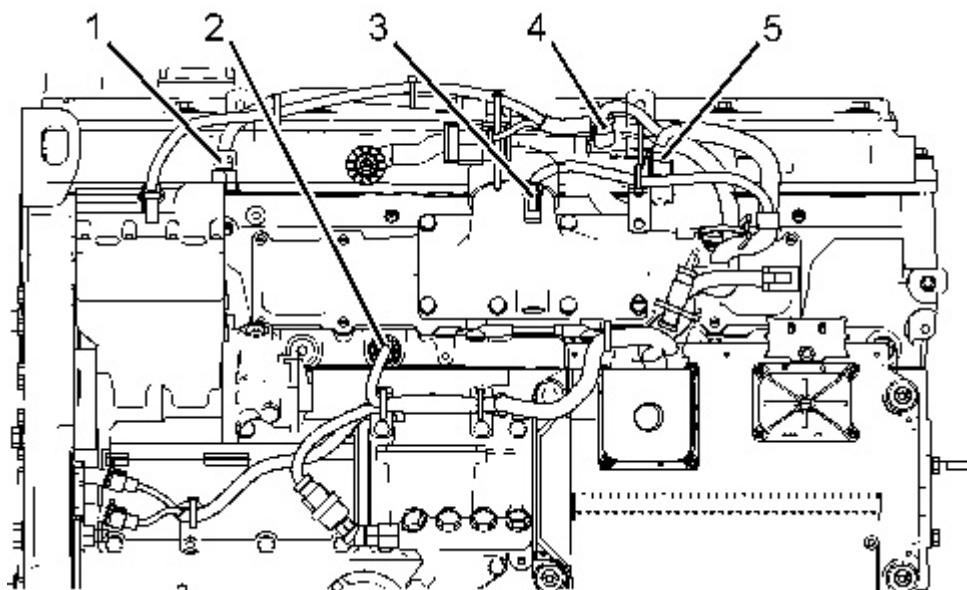


Illustration 1

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1. Disconnect harness assemblies (1), (2), (3), (4), and (5) .

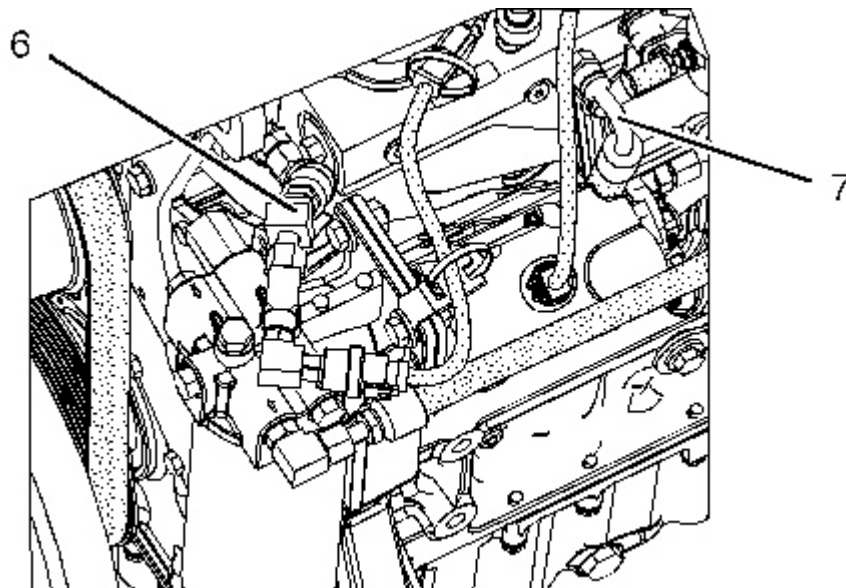


Illustration 2

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2. Disconnect hose assembly (6) and tube assembly (7) .

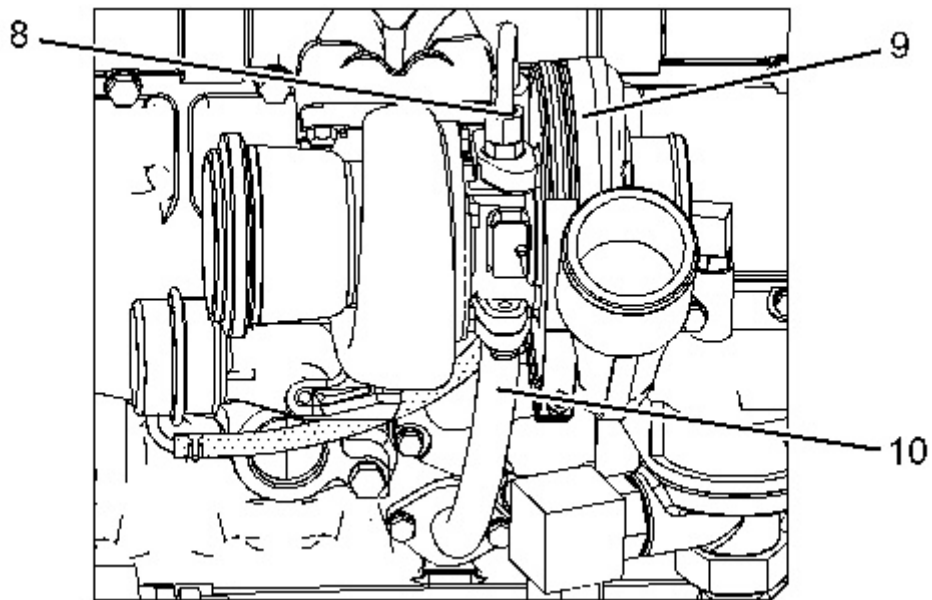


Illustration 3

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3. Disconnect tube assembly (8) and tube assembly (10) from turbocharger (9) .

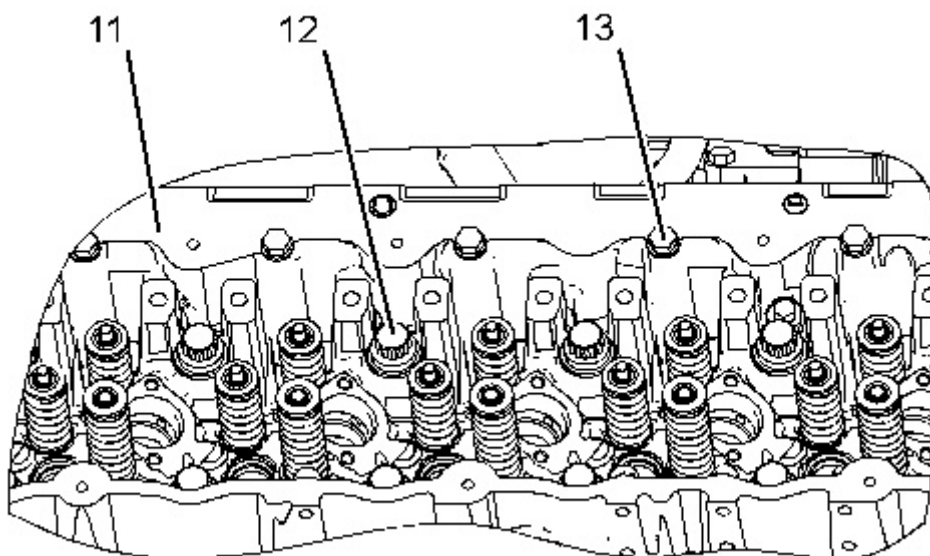


Illustration 4

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4. Attach a suitable lifting device to cylinder head (11). The weight of cylinder head (11) is approximately 175 kg (385 lb).

5. Remove bolts (12) and bolts (13). Remove cylinder head (11) and the gasket from the cylinder block.

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