



Service Repair Manual

Models

312D Excavator

Product: EXCAVATOR

Model: 312D EXCAVATOR HJX

Configuration: 312D Excavator HJX00001-UP (MACHINE) POWERED BY C4.2 Engine

Disassembly and Assembly C4.2 Engine for Caterpillar Built Machines

Media Number -KENR8105-04

Publication Date -01/06/2013

Date Updated -12/06/2013

i02746912

Rocker Shaft and Pushrod - Remove

SMCS - 1102-011; 1208-011

Removal Procedure

Start By:

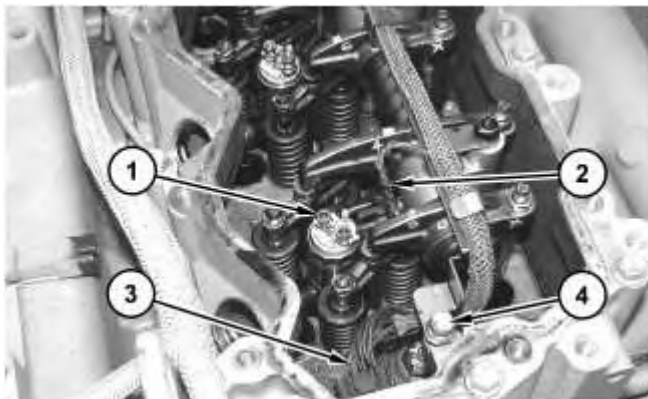
- a. Remove the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: The fuel injection lines do not need to be removed in order to remove the rocker shaft and pushrods.



1. Loosen nuts (1) and disconnect harness assembly (2).
2. Repeat Step 13 for the remaining electronic unit injectors.
3. Disconnect harness assembly (3).
4. Remove bolts (4) and remove harness assembly (3).

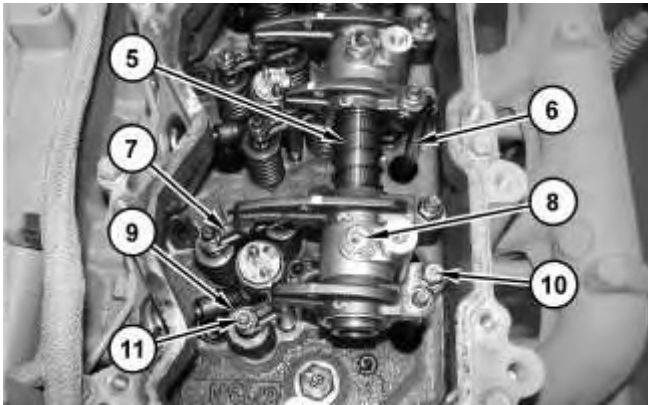


Illustration 2

5. Loosen nut (9). Loosen adjusting screw (11) by approximately one revolution.
6. Repeat Step 5 for the remaining rocker arms.
7. Loosen bolts (10). **Do not remove bolts (10) at this time.**
8. Loosen bolts (8). **Do not remove bolts (8) at this time.**
9. Remove bolts (10).
10. Remove bolts (8).
11. Remove rocker shaft assembly (5).
12. Remove pushrods (6).
13. Remove bridges (7) and the caps.

Product: EXCAVATOR

Model: 312D EXCAVATOR HJX

Configuration: 312D Excavator HJX00001-UP (MACHINE) POWERED BY C4.2 Engine

Disassembly and Assembly C4.2 Engine for Caterpillar Built Machines

Media Number -KENR8105-04

Publication Date -01/06/2013

Date Updated -12/06/2013

i02746773

Rocker Shaft - Disassemble

SMCS - 1102-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1859	Retaining Ring Pliers	1
B	1P-0510	Driver Gp	1

Start By:

- a. Remove the rocker shaft and the pushrods. Refer to Disassembly and Assembly, "Rocker Shaft and Pushrods - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

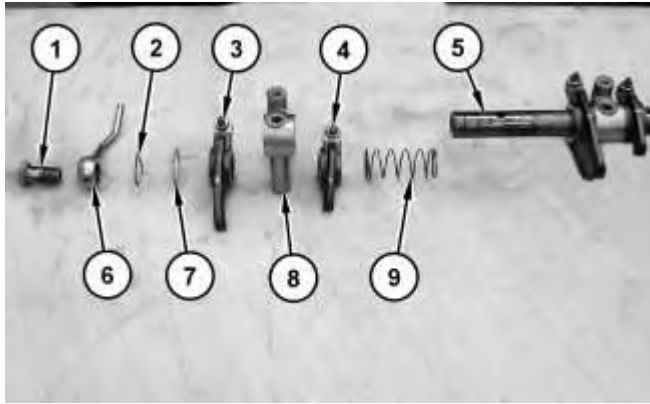


Illustration 1

g01375734

WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

1. Remove bolt (1) from shaft assembly (5).
2. Remove pipe (6) from shaft assembly (5).
3. Use Tooling (A) in order to remove retaining ring (2) from shaft assembly (5).
4. Remove washer (7) from shaft assembly (5).
5. Remove arm assembly (3) from shaft assembly (5).
6. Remove bracket (8) from shaft assembly (5).
7. Remove arm assembly (4) from shaft assembly (5).
8. Remove spring (9) from shaft assembly (5).

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