



Service Repair Manual

Models

972K Wheel Loader

Product: WHEEL LOADER

Model: 972K WHEEL LOADER Z4W

Configuration: 972K Wheel Loader Z4W00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly

C9.3

Engines for Caterpillar Built Machines

Media Number -KENR8149-07

Publication Date -01/05/2014

Date Updated -29/05/2014

i05295978

Cylinder Block Cover - Remove and Install

SMCS - 1201-010-CH

Removal Procedure

Start By:

- a. Remove the engine control module.

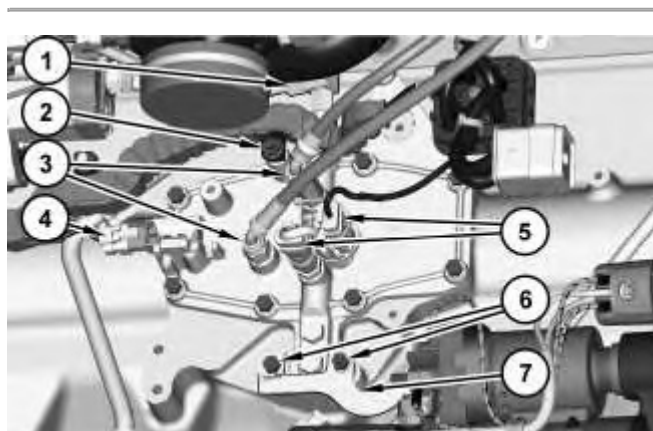


Illustration 1

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1. Disconnect tube assembly (1). Disconnect hose assemblies (3). Disconnect harness assemblies (4) and (5). Remove nut (2) and position the harness assembly out of the way. Remove three nuts (6) and remove bracket (7).

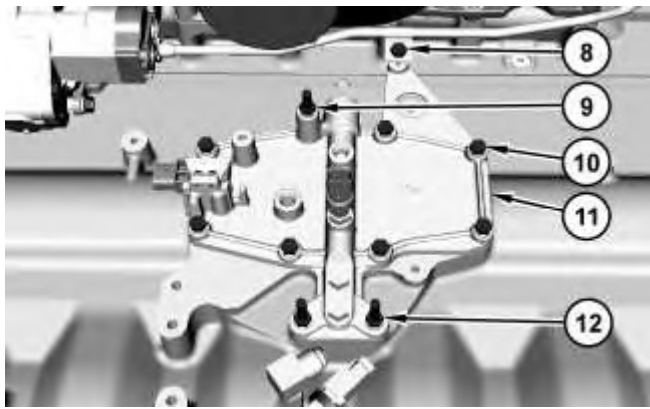


Illustration 2

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2. Remove bolt (8). Remove stud bolt (9) and remove stud bolt (12).
3. Remove bolts (10) and remove the cylinder block cover (11).

Installation Procedure

NOTICE

Cleanliness is an important factor. Before assembly, clean all parts thoroughly with cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

NOTICE

Check the O-ring seals, the gaskets, and the seals for wear or for damage. Replace the components, if necessary.

1. Install cylinder block cover (11) in the reverse order of removal.
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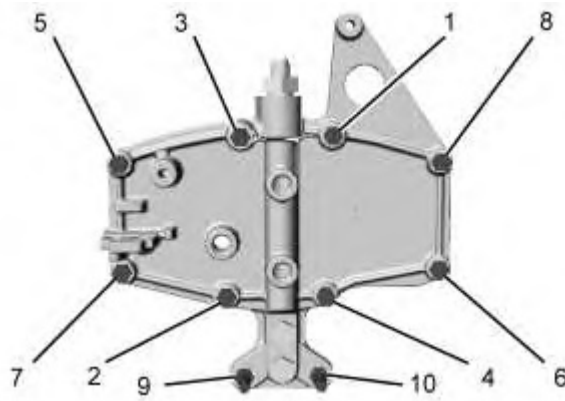


Illustration 3

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Tightening sequence

- a. Tighten the bolts and the stud bolts in the above sequence.

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i05296037

Valve Mechanism Cover - Remove and Install

SMCS - 1107-010

Removal Procedure

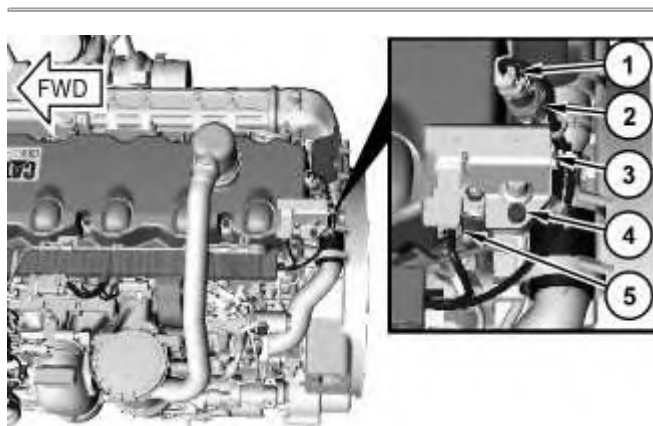


Illustration 1

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1. Disconnect harness assembly (1) and remove the NRS Intake Pressure Sensor (2).
2. Disconnect harness assembly (5) and remove bolts (4). Remove the NRS Differential Pressure Sensor (3) and remove the two rectangular seals (not shown).

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