



Service Repair Manual

Models

301.5 301.6 301.8

Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR

Model: 301.5 MINI HYD EXCAVATOR 3YW

Configuration: 301.5 301.6 301.8 Mini Hydraulic Excavator 3YW00001-UP (MACHINE) POWERED BY 3003 Engine

Disassembly and Assembly

301.5, 301.6 and 301.8 Mini-Hydraulic Excavator Engine Supplement

Media Number -REN2803-01

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i00914441

Engine and Pumps - Install

SMCS - 1017-012; 1024-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-2157	Link Bracket	2



WARNING

Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the attachments have been lowered, oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.



WARNING

At operating temperature, the engine coolant is hot and under pressure.

Steam can cause personal injury.

Check the coolant level only after the engine has been stopped and the fill cap is cool enough to touch with your bare hand.

Remove the fill cap slowly to relieve pressure.

Cooling system conditioner contains alkali. Avoid contact with the skin and eyes to prevent personal injury.

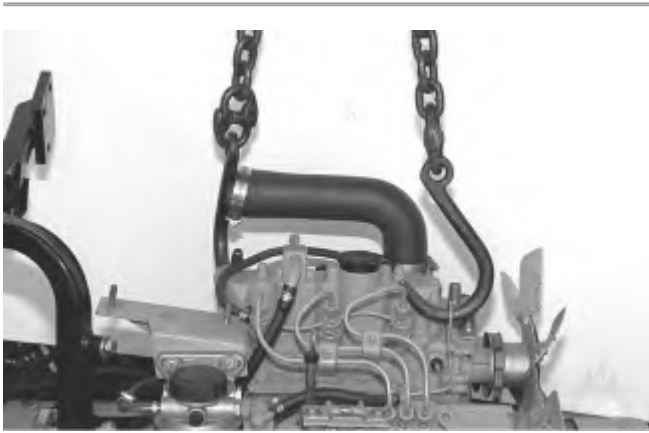


Illustration 1

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1. Apply suitable lifting chains to the lifting points on the engine. Apply enough tension on the chains in order to support the weight of the engine.
2. Lower the engine and pumps into position in the engine compartment. The weight of the engine and pumps is 125 kg (275 lb) .

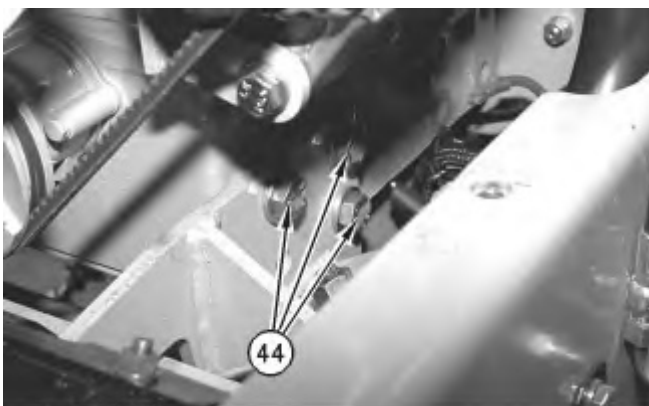


Illustration 2

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3. Install six bolts and washers (44) . The other three bolts are located on the rear of the engine.

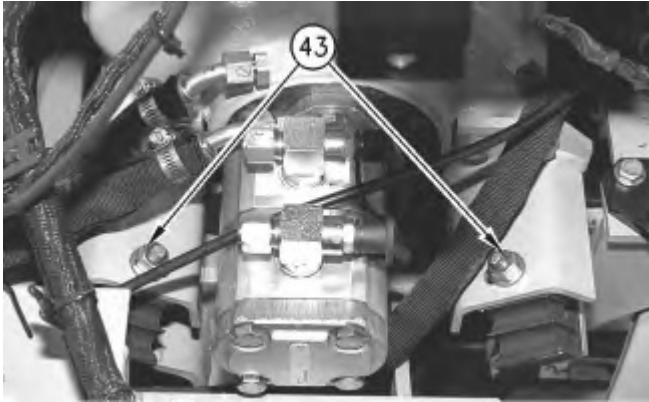


Illustration 3

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4. Install two nuts and two washers (43) .

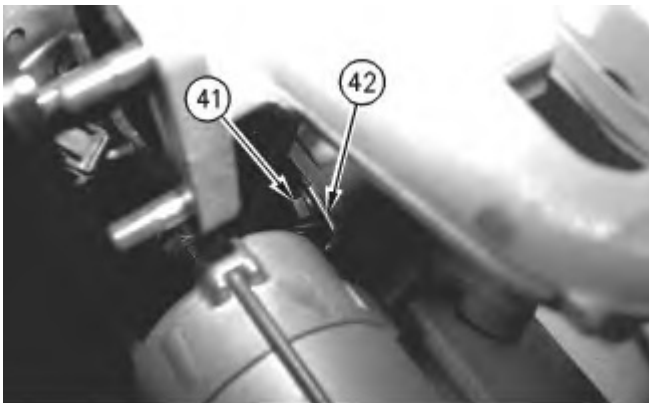


Illustration 4

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5. Install electrical clip (42) .
 6. Install the bolt and washer (41) .
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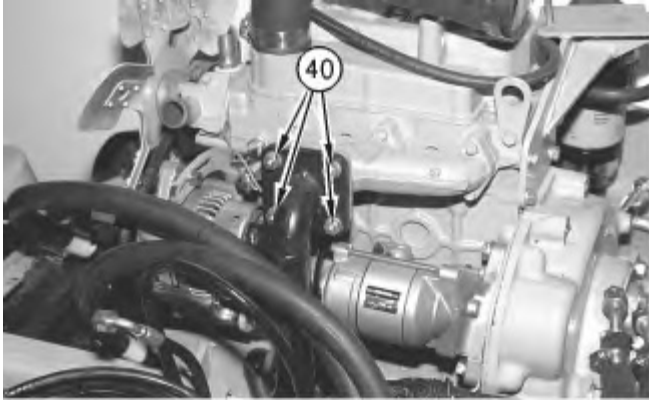


Illustration 5

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7. Install the exhaust manifold and install four nuts (40) .

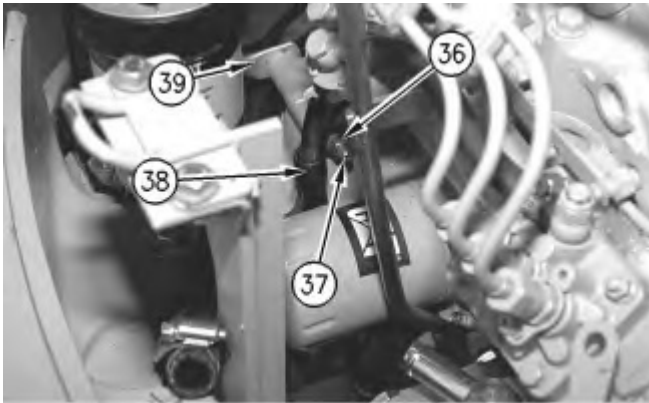


Illustration 6

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8. Install ground cable (39) .
 9. Install clip (38) .
 10. Install the bolt and washer (37) .
 11. Install nut (36) .
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