



Service Repair Manual

Models

301.4C Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR
Model: 301.4C MINI HYD EXCAVATOR LJK
Configuration: 301.4C Mini Hydraulic Excavator LJK00001-UP (MACHINE)

Disassembly and Assembly 3TNV70 and 3TNV76 Engines for Caterpillar Built Machines

Media Number -UENR3279-00

Publication Date -01/07/2013

Date Updated -23/07/2013

i05260516

Fuel Injection Lines - Remove and Install

SMCS - 1252-010

Removal Procedure

Note: Put identification marks on all hoses, on all hose assemblies, on all wires, and on all tube assemblies for installation purposes. Plug all hose assemblies and all tube assemblies. Plugging the lines will help to prevent fluid loss, and will help to keep contaminants from entering the system.

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.

Dispose of all fluids according to local regulations and mandates.

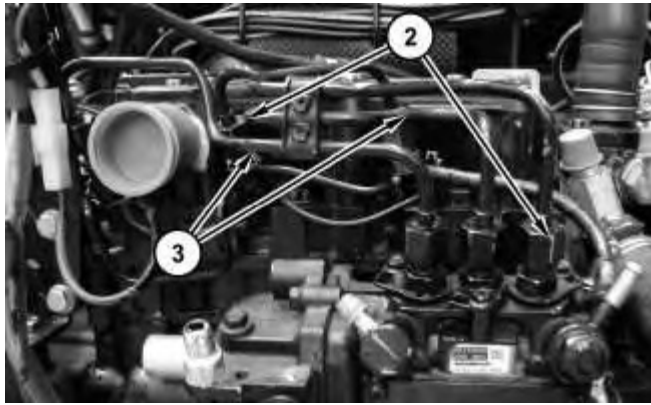


Illustration 1

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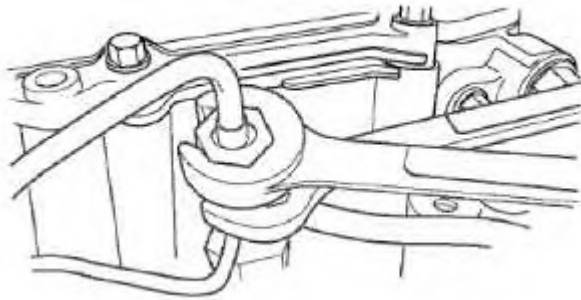


Illustration 2

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1. Use line wrench in order to loosen fuel injection line nuts. Use two wrenches to avoid turning lower nut. Disconnect fuel injection line nuts (2) from the injector pump and the fuel injectors. Remove fuel injector line assemblies (3).

Installation Procedure

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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

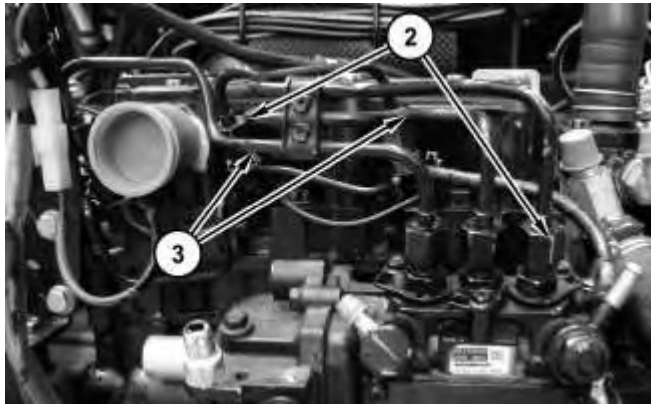


Illustration 3

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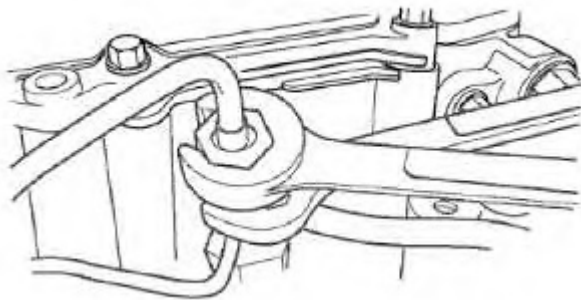


Illustration 4

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1. Position fuel injection lines assemblies (3) on the fuel injection pump and the fuel injectors. Start fuel injection line nuts (2) on by hand before tightening with a wrench. Hold wrench on lower nut for the return line to avoid moving the return line. Tighten fuel injection line nuts (2) to a torque of 29 to 34 N·m (257 to 300 lb in).

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Fuel Injection Pump - Remove and Install

SMCS - 1251-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-2264	Puller Gp	3

Start By:

- A. Remove fuel injection lines

Note: Refer to Specifications, "Engine Design" for non-specified engine torques.

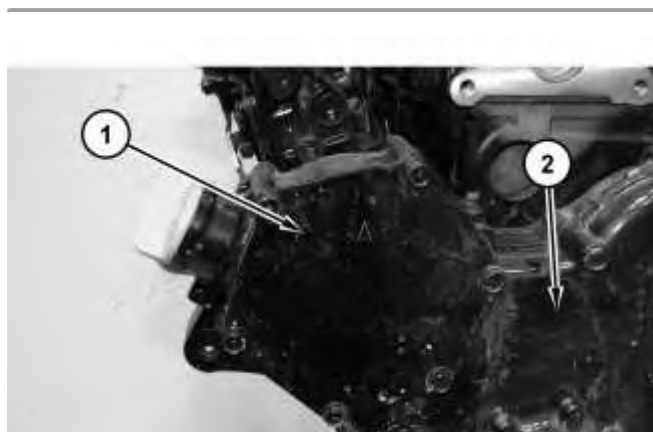


Illustration 1

g03351476

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