



Service Repair Manual

Models

966D WHEEL LOADER

Product: WHEEL LOADER

Model: 966D WHEEL LOADER 35S

Configuration: 966D WHEEL LOADER 35S02148-02522 (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly 3304B and 3306B Engines for Caterpillar Built Machines

Media Number -SEN5598-09

Publication Date -01/01/2013

Date Updated -25/01/2013

i01048591

Fuel Injection Nozzles - Install

SMCS - 1254-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-4979	Carbon Seal Installation Tool	1
B	8S-2245	Injector Cleaning Tool	1
C	6V-4089	Reamer	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

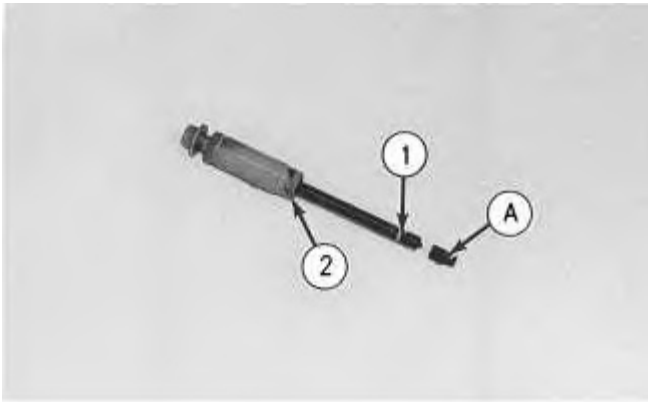


Illustration 1

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1. Put carbon dam seal (1) on the small end of Tool (A). Expand carbon dam seal (1) by sliding carbon dam seal (1) to the large end of Tool (A). Put Tool (A) against the fuel injector nozzle. Slide carbon dam seal (1) from Tool (A) to the fuel injector nozzle. Slide carbon dam seal (1) into position in the groove of the fuel injector nozzle, as shown. Use Tool (A) in order to install carbon dam seal (1).
2. To clean the fuel injector nozzles, refer to Special Instruction, SEHS7292 for the use of Tool (B) .
3. Install a new compression seal (2) on the fuel injector nozzle.



Illustration 2

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4. Use Tool (C) in order to clean the bore in the cylinder head for the fuel injector nozzle. Use a wrench in order to turn Tool (C) .

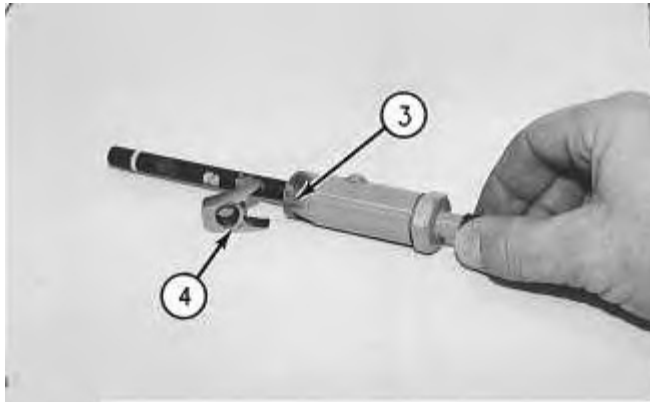


Illustration 3

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Illustration 4

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5. Align notch (3) in fuel injector nozzle (5) to the tab in clamp (4) during installation.
6. Install fuel injector nozzle (5). Ensure that the notch in the injector is aligned with the tab in clamp (4) .

End By: Install the fuel injection lines. Refer to Disassembly and Assembly, "Fuel Injection Lines - Remove and Install".

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Fuel Ratio Control - Remove

SMCS - 1278-011

Removal Procedure

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 machine. 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 in Caterpillar machines.

Dispose of all fluids according to local regulations and mandates.

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