



Service Repair Manual

Models

299D XHP COMPACT TRACK
LOADER

Product: COMPACT TRACK LOADER

Model: 299D XHP COMPACT TRACK LOADER NLC

Configuration: 299D XHP Compact Track Loader NLC00001-UP (MACHINE)

Disassembly and Assembly C3.8 Engines for Caterpillar Built Machines

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i07500660

Diesel Particulate Filter - Remove and Install

SMCS - 108F-010

Removal Procedure

WARNING

Wear goggles, gloves, protective clothing, and a National Institute for Occupational Safety and Health (NIOSH) approved P95 or N95 half-face respirator when handling a used Diesel Particulate Filter or Catalytic Converter Muffler. Failure to do so could result in personal injury.

WARNING

The muffler, catalytic converter/muffler, and diesel particulate filter will become extremely hot during engine operation. A hot muffler, catalytic converter/muffler and diesel particulate filter can cause serious burns. Allow adequate cooling time before working on or near the muffler, catalytic converter/muffler and diesel particulate filter.

NOTICE

Do not strike any part of the assembly of the Diesel Particulate Filter (DPF). Do not allow any object to contact the internal element of the

DPF. If the internal element of the DPF becomes damaged, the assembly must be replaced.

Start By:

- a. Remove the engine.

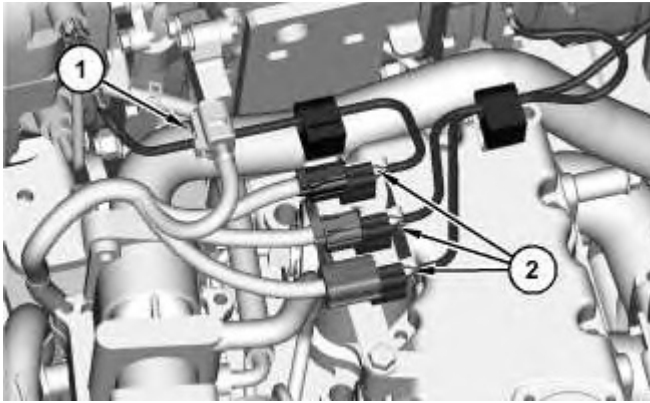


Illustration 1

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1. Disconnect harness assembly (1) and harness assemblies (2). Remove the connecting hardware.



Illustration 2

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2. Remove bolts (3).
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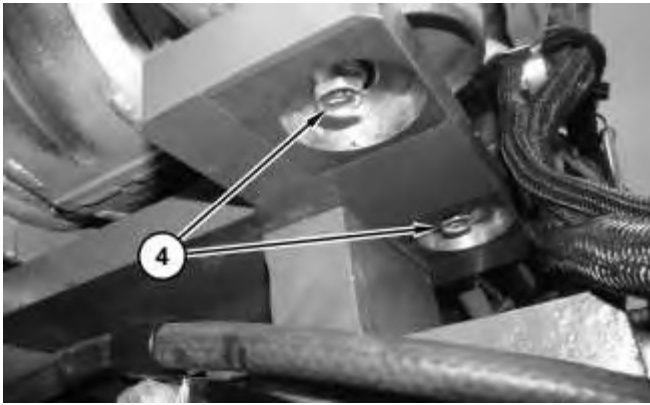


Illustration 3

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3. Remove bolts (4). Repeat this step for the opposite side.



Illustration 4

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4. Use two people to remove diesel particulate filter (5).

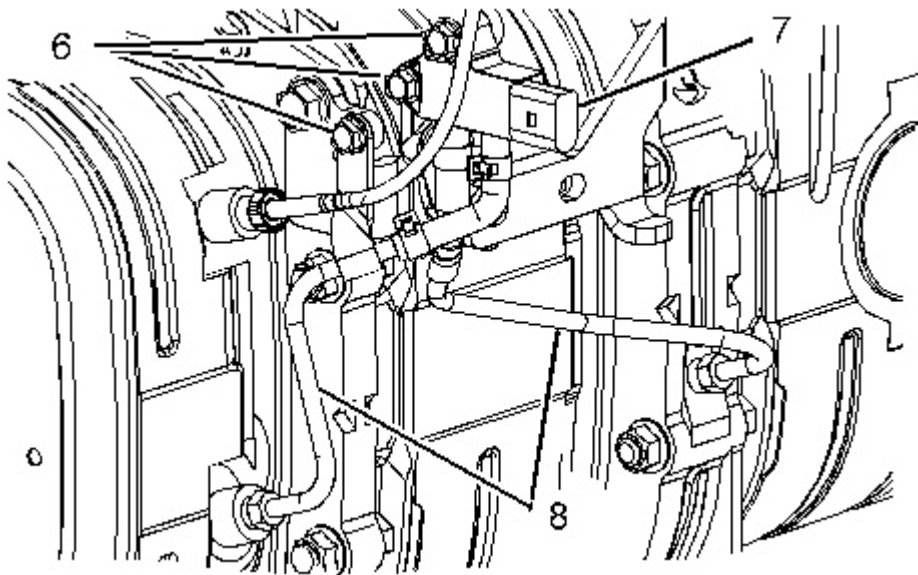


Illustration 5

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5. Remove bolts (6), pressure sensor (7), and tube assemblies (8).

Installation Procedure

1. Install diesel particulate filter (5) in the reverse order of removal.
 - a. Tighten bolts (3) and bolts (4) to a torque of 52 ± 3 N·m (38 ± 2 lb ft).
 - b. Tighten tube assemblies (8) to a torque of 19 ± 3 N·m (168 ± 27 lb in).

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