

Product: MINI HYD EXCAVATOR

Model: 308E2 CR MINI HYD EXCAVATOR W8S

Configuration: 308E2CR Mini Hydraulic Excavator W8S00001-UP (MACHINE) POWERED BY C3.3B Engine

## Disassembly and Assembly

### C3.3B Tier 4 Final and EU Stage 3B Engines for Caterpillar Built Machines

Media Number -UENR3278-07

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i05218929

## Diesel Particulate Filter - Remove and Install

SMCS - 108F-010

### Removal Procedure



**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.**

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**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.**

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### 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.**

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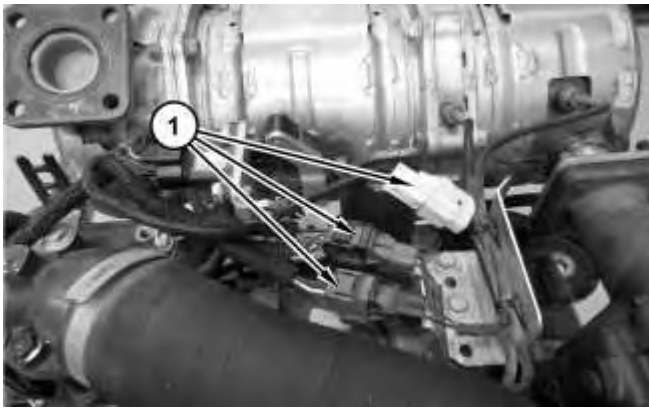


Illustration 1

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1. Disconnect harness assemblies (1).

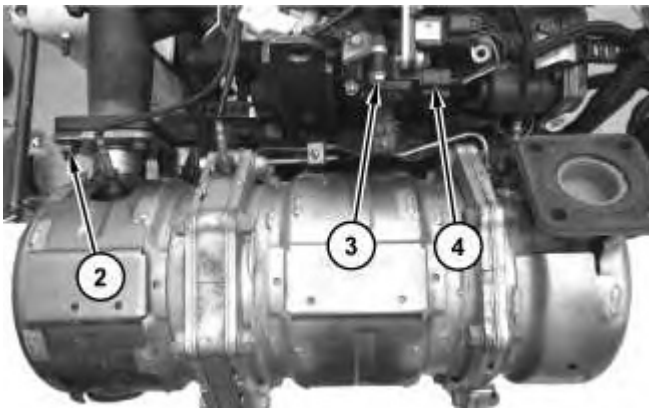


Illustration 2

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2. Remove bolts (2) and bolts (3). Disconnect harness assembly (4) from pressure sensor.



3. Remove bolts (5) from DPF mount bracket.
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Illustration 4

4. Use two people to remove diesel particulate filter (6).
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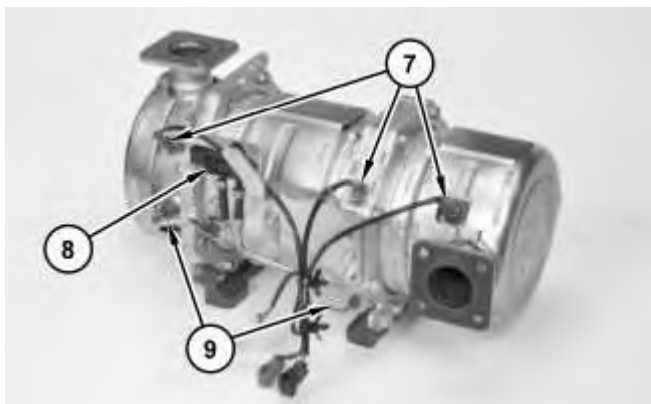


Illustration 5

5. Remove temperature sensors (7). Remove pressure sensor (8) and tube assemblies (9).

## Installation Procedure

1. Install diesel particulate filter (6) in the reverse order of removal.
    - a. Tighten bolts (5) to a torque of  $52 \pm 3$  N·m ( $38 \pm 2$  lb ft).
    - b. Tighten sensors (7) to a torque of  $30 \pm 4$  N·m ( $22 \pm 3$  lb ft).
    - c. Tighten tube assemblies (9) to a torque of  $19 \pm 3$  N·m ( $168 \pm 27$  lb in).
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