



# Service Repair Manual

## **Models**

304E2CR Mini Hydraulic  
Excavator

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Product: MINI HYD EXCAVATOR

Model: 304E2 CR MINI HYD EXCAVATOR HC5

Configuration: 304E2 CR Mini Hydraulic Excavator HC500001-UP (MACHINE) POWERED BY C2.4 Engine

## Disassembly and Assembly

### C2.4 Tier 4 Final Engines for Caterpillar Built Machines

Media Number -UENR7319-02

Publication Date -01/07/2018

Date Updated -01/08/2018

i06545873

## Fuel Manifold (Rail) - Remove and Install

SMCS - 1702-010

### Removal Procedure



**Contact with high pressure fuel may cause fluid penetration and burn hazards. High pressure fuel spray may cause a fire hazard. Failure to follow these inspection, maintenance and service instructions may cause personal injury or death.**

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#### 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.**

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#### Start By:

- a. Remove fuel injection lines.
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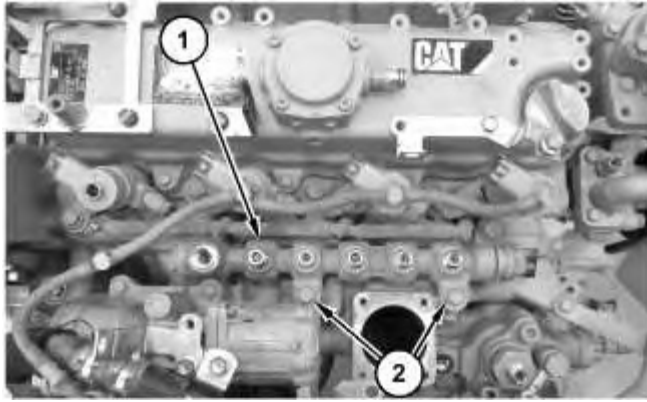


Illustration 1

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1. Remove bolts (2) and fuel manifold (1).

**Note:** Do not remove the pressure limiter and the rail pressure sensor from fuel manifold (1).

**Note:** When removing fuel manifold (1) do not hold it by the pressure limiter and the rail pressure sensor.

## Installation Procedure

1. Install fuel manifold (1) in the reverse order of removal.
  - a. Tighten bolts (2) to a torque of 24 N·m to 27 N·m (212 lb in to 239 lb in).

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i06521813

## Fuel Injection Lines - Remove and Install

SMCS - 1252-010

### Removal Procedure



## WARNING

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1. Turn the fuel supply to the OFF position.
  2. Turn the battery disconnect switch to the OFF position.
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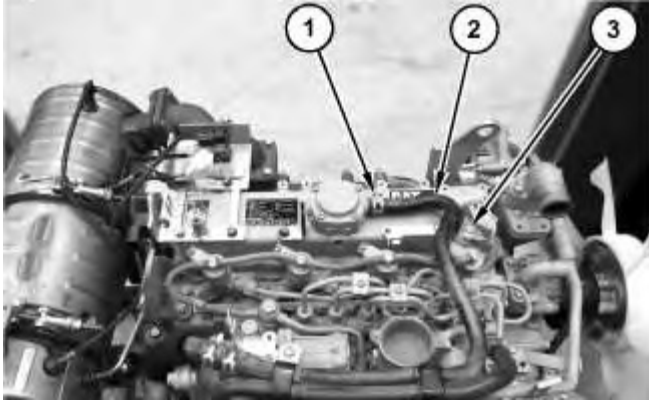


Illustration 1

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3. Remove bolt (3) and clamp (1). Disconnect hose assembly (2).

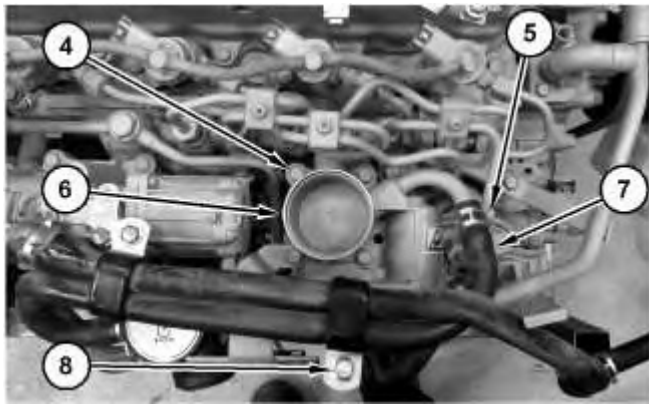


Illustration 2

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4. Remove bolt (8) and clamps (5). Disconnect hose assembly (7).
5. Remove bolts (4) and intake throttle valve (6).

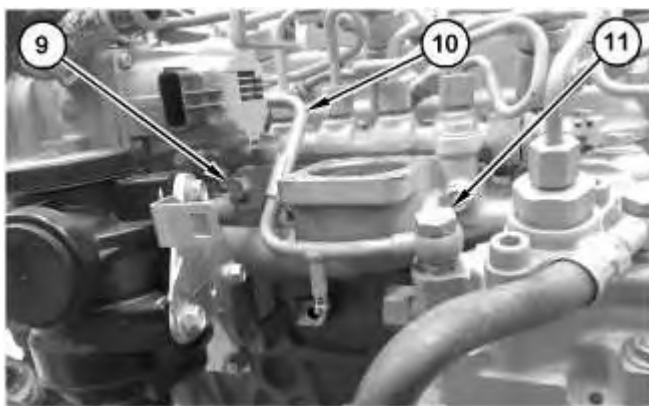


Illustration 3

g06008040

6. Remove bolt (9), bolt (11), and tube assembly (10).

**Note:** Cap and plug all fuel lines to prevent contaminating fuel system.

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