



Service Repair Manual

Models

308E2SR Mini
Hydraulic Excavator

Product: MINI HYD EXCAVATOR

Model: 308E2 SR MINI HYD EXCAVATOR SR8

Configuration: 308E 2SR Mini Hydraulic Excavator SR800001-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

Publication Date -01/09/2014

Date Updated -11/07/2016

i07542694

Electronic Unit Injector - Remove and Install

SMCS - 1290-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	5F-4764	Pry Bar	1
B	278-4138	Fuel System Protection Gp ⁽¹⁾	1

⁽¹⁾ This tool can only be used one time.

Start By:

- a. Remove the valve mechanism cover.



WARNING

Do not open the high pressure fuel system without allowing the fuel system to purge. After the engine has shut down, allow the fuel system to purge for ten minutes. This operating fuel system contains high pressure. Exposure to high pressure fuel can result in personal injury.

Note: Use Cat[®] Electronic Technician (CatET) Service Tool to verify that the fuel system pressure is at zero before opening the fuel system.

Note: Use Tooling (B) after any fuel line has been disconnected.

Note: Place an identification mark on electronic unit injectors (4) for installation purposes. Each electronic unit injector (4) must be reinstalled in the original location in the cylinder head.

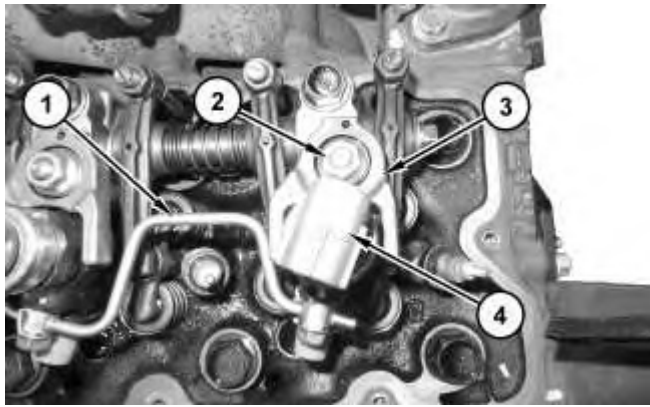


Illustration 1

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1. Remove tube assembly (1) and discard the gaskets (not shown) from electronic unit injector (4).
2. Remove nut (2) to remove injector clamp (3).
3. Use Tooling (A) to remove electronic unit injector (4).

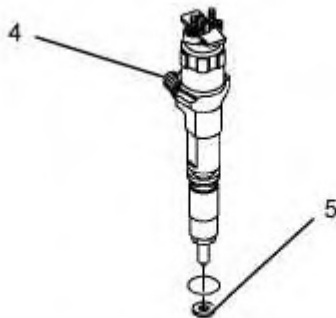


Illustration 2

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4. Remove seal (5) from electronic unit injector (4).
5. Repeat Steps 2 through 3 for the remaining electronic unit injectors.

Installation Procedure

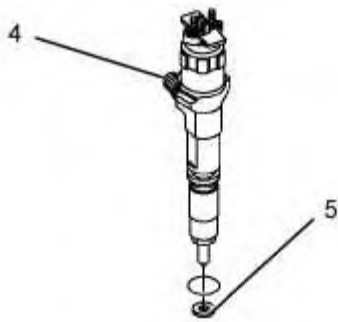


Illustration 3

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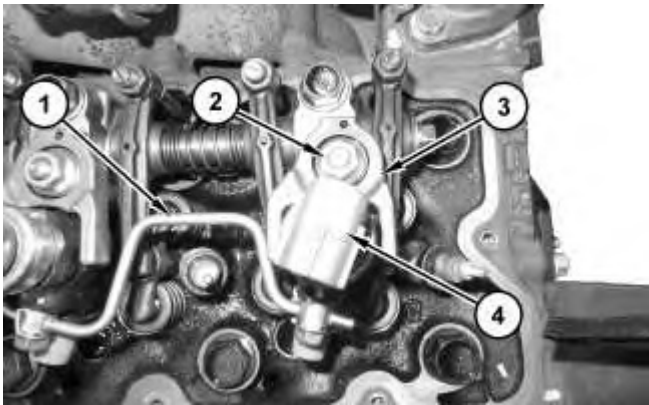


Illustration 4

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Note: If new electronic unit injectors (4) are installed, the QR codes on top of the injector must be documented in the engine ECM using Cat[®] Electronic Technician (CatET) Service Tool. Caterpillar recommends documenting the new injector codes on-line. Go to SISWeb and select "View More" under "Additional Service Information". Select the "C3.3B and C3.8 Downloads" link. The new injector trim codes can be entered through the "C3.3B and C3.8 ECU Trim Data Registration". For more information refer to Troubleshooting , "Injector Trim File- Install - Injector Trim Code- Install".

1. Install a new seal (5) onto electronic unit injector (4). Install electronic unit injector (4).
2. Install injector clamp (3). Install nut (2). Tighten nut (2) to a torque of 25.5 ± 1.5 N·m (226 ± 13 lb in).
3. Install overflow pipe (1) with new gaskets (not shown). Tighten overflow pipe (1) to a torque of 10.5 ± 0.5 N·m (93 ± 4 lb in).

End By:

- a. Install the valve mechanism cover.

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i05305909

Turbocharger - Remove and Install

SMCS - 1052-010

Removal Procedure

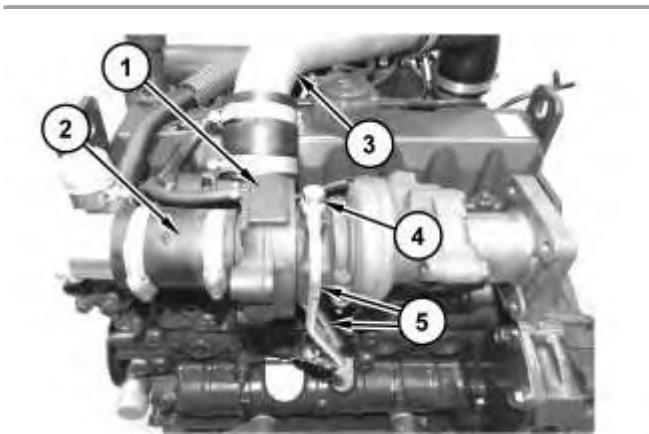


Illustration 1

g03366810

1. Disconnect hose assembly (2) from turbocharger (1).
 2. Remove tube assembly (3) from turbocharger (1).
 3. Remove bolts (4). Remove two tube assemblies (5) and the gasket and the O-ring seal.
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