



Service Repair Manual

Models

304E2CR Mini Hydraulic
Excavator

Product: MINI HYD EXCAVATOR

Model: 304E2 CR MINI HYD EXCAVATOR GC5

Configuration: 304E2 CR Mini Hydraulic Excavator GC500001-UP (MACHINE) POWERED BY C2.4 Engine

Disassembly and Assembly C2.4 Tier 4 Final Engines for Caterpillar Built Machines

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Exhaust Gas Recirculation Valve - Remove and Install

SMCS - 108N-010

Removal Procedure



Personal injury can result from hot coolant, steam and alkali.

At operating temperature, engine coolant is hot and under pressure. The radiator and all lines to heaters or the engine contain hot coolant or steam. Any contact can cause severe burns.

Remove cooling system pressure cap slowly to relieve pressure only when engine is stopped and cooling system pressure cap is cool enough to touch with your bare hand.

Do not attempt to tighten hose connections when the coolant is hot, the hose can come off causing burns.

Cooling System Coolant Additive contains alkali. Avoid contact with skin and eyes.

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.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.

Note: Refer to Specifications, "Engine Design" for non-specified engine torque values.

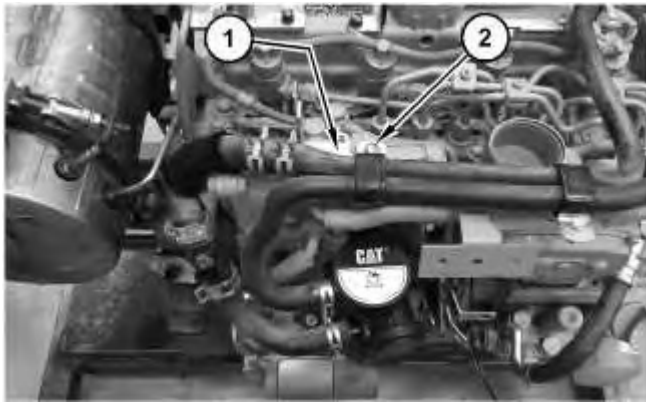


Illustration 1

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1. Remove bolt (1) and bolt (2).



Illustration 2

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2. Remove bolts (3).
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Illustration 3

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3. Remove clamp (4). Disconnect hose assembly (5).

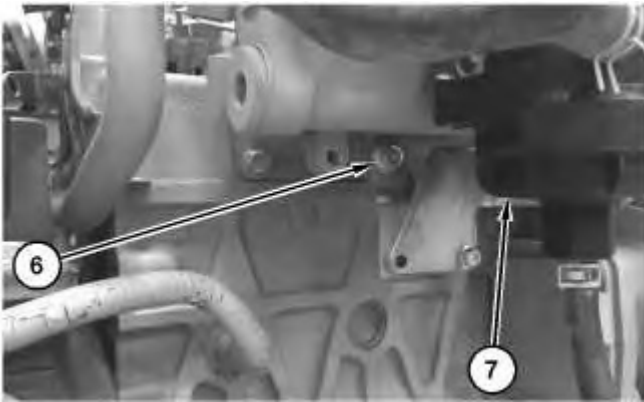


Illustration 4

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4. Remove bolt (6). Position breather assembly (7) out of the way.

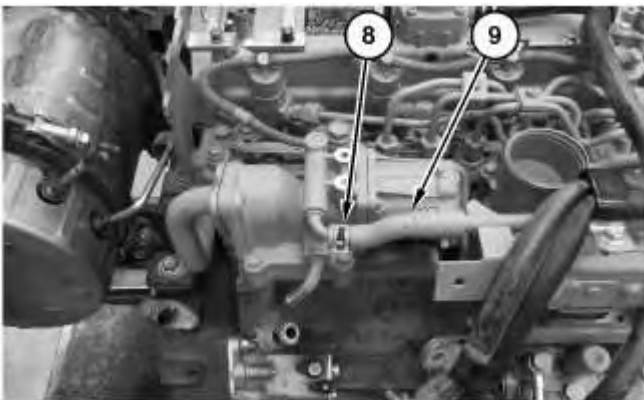


Illustration 5

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5. Remove clamp (8) . Disconnect hose assembly (9).

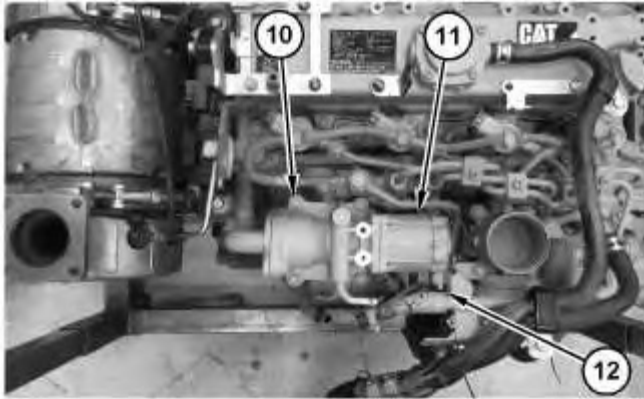


Illustration 6

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6. Disconnect harness assembly (12) (not shown).
7. Remove bolts (10) and exhaust gas recirculation valve (11).

Installation Procedure

1. Install exhaust gas recirculation valve (11) in the reverse order of removal.

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