

Disassembly and Assembly

416F2, 420F2 IT, 420F2 ST, 422F2, 428F2, 430F2 IT, 430F2 ST, 432F2, 434F2 and 444F2

Backhoe Loaders Engine Supplement

Media Number -UENR6152-01

Publication Date -01/06/2015

Date Updated -06/06/2018

i06198969

Turbocharger - Remove and Install

SMCS - 1052-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Loctite C5A Copper Anti Seize	-

Start By:

- a. Open hood and remove side panels.

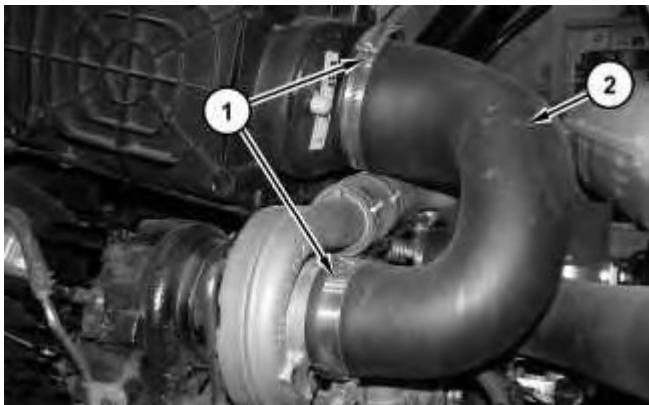


Illustration 1

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1. Disconnect clamps (1) and remove hose (2).

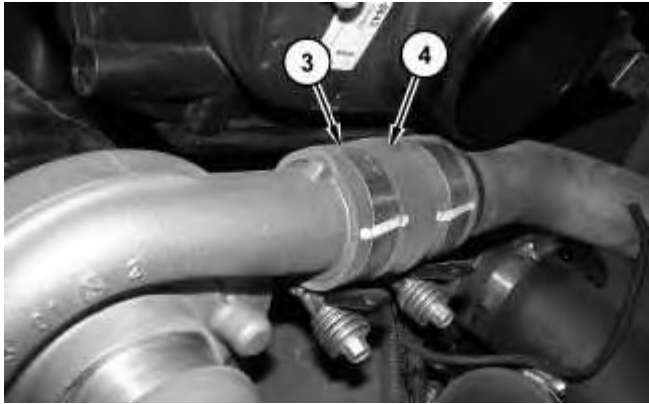


Illustration 2

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2. Loosen clamps (3) and disconnect hose (4).

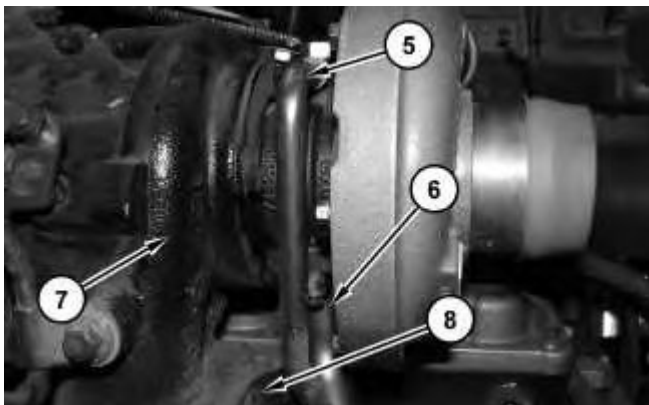


Illustration 3

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3. Disconnect tube assembly (5). Disconnect drain tube assembly (6). Remove nuts (8) and turbocharger (7).

Installation Procedure

Note: Clean the mating surfaces of the exhaust manifold and the turbocharger. Clean the mating surfaces of the tube assemblies.

Note: Ensure that the turbocharger inlet and the turbocharger outlet are clean and free from restrictions. The turbocharger shaft must rotate freely.

1. Install turbocharger (7) in the reverse order of removal.
 - a. Install new gasket between turbocharger (7) and the exhaust manifold.
 - b. Apply Tooling (A) to the mounting bolts.

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Publication Date -01/06/2015

Date Updated -06/06/2018

i06050265

Water Pump - Remove and Install

SMCS - 1361-010

Removal Procedure

Start By:

- a. Remove the left side panel.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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.

1. Drain the coolant. Refer to Operation and Maintenance Manual, "Cooling System Coolant (DEAC) - Change" or Operation and Maintenance Manual, "Cooling System Extended Life Coolant - Change" for the correct draining and procedure.
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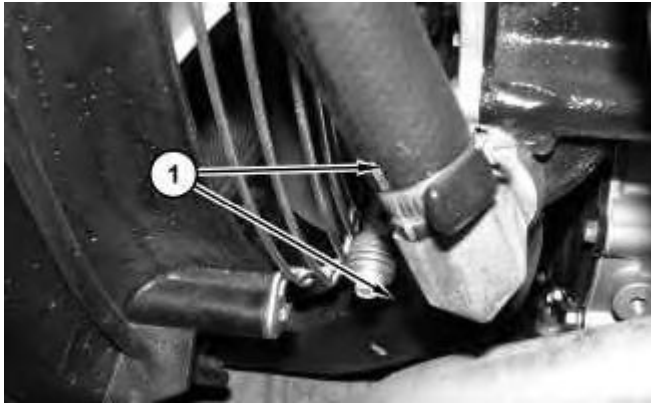


Illustration 1

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2. Remove hose assemblies (1).



Illustration 2

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3. Disconnect tube assembly (2).

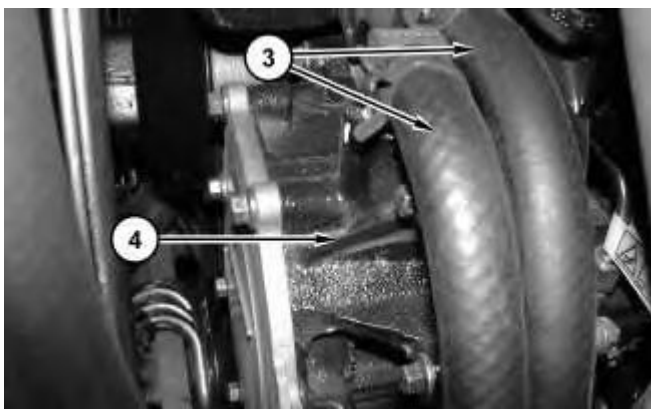


Illustration 3

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4. Remove hose assemblies (3). Remove water pump (4).
