



Service Repair Manual

Models

216B2 Skid Steer Loader

Product: SKID STEER LOADER

Model: 216B SKID STEER LOADER RLL

Configuration: 216B2 Skid Steer Loader RLL06800-UP (MACHINE) POWERED BY 3024C Engine

Disassembly and Assembly C1.1, C1.5 and C2.2 Engines for Caterpillar Built Machines

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Turbocharger - Remove and Install

SMCS - 1052-010

Removal procedure

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.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Plug and cap all open ports and tube assemblies.

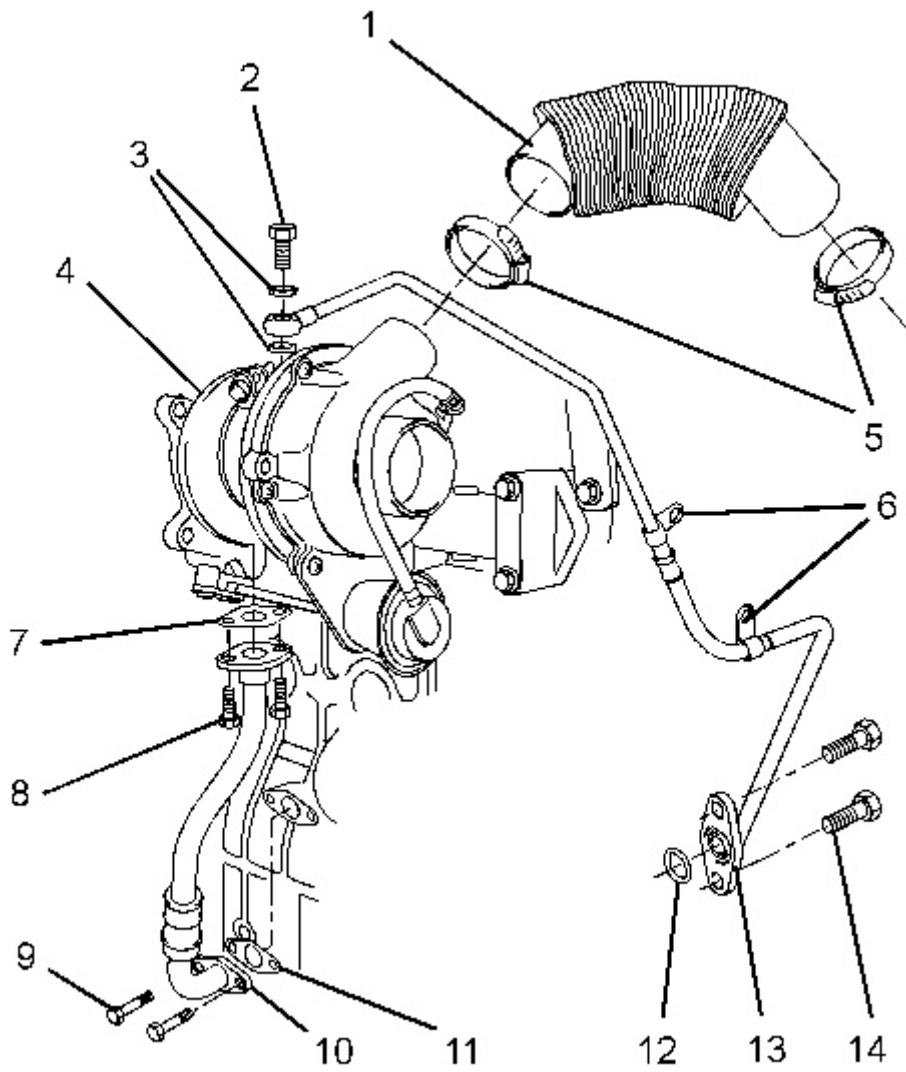


Illustration 1

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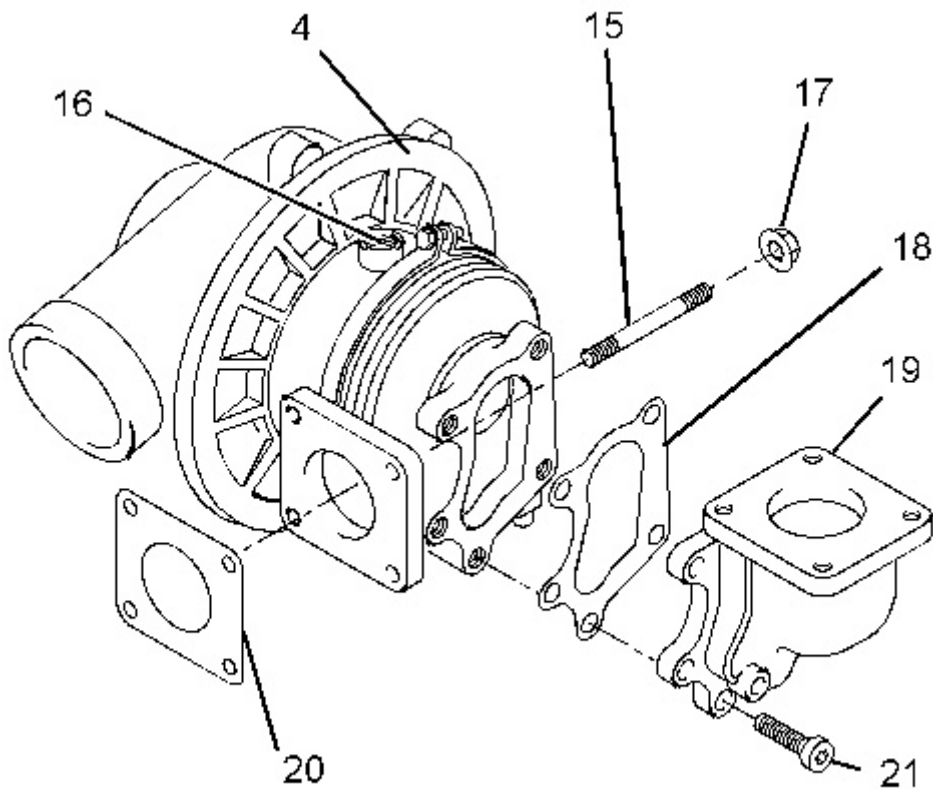


Illustration 2

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1. Loosen hose clamps (5) and remove air inlet hose (1).
2. Remove allen head screws (21) and remove exhaust elbow (19) from turbocharger (4). Remove gasket (18) from the turbocharger.
3. Remove banjo bolt (2) and washers (3). Remove the fasteners and the spacers (not shown) for tube clips (6). Remove bolts (14) and remove tube assembly (13) from the cylinder block. Remove O-ring seal (12).
4. Remove bolts (8) and disconnect tube assembly (10) from the turbocharger. Remove joint (7).
If necessary, remove bolts (9) and remove tube assembly (10) from the cylinder block. Remove joint (11).
5. Remove nuts (17) and remove turbocharger (4) from the exhaust manifold. Remove gasket (20) from the exhaust manifold. If necessary, remove studs (15) from the exhaust manifold.

Note: Do not use the actuator rod of the wastegate to lift the turbocharger.

Installation procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Ensure that the turbocharger is clean and free from damage. Inspect the turbocharger for wear. If the turbocharger is worn, the complete turbocharger must be replaced.
 2. Test the actuator for correct operation. Refer to Systems Operation, Testing and Adjusting, "Wastegate - Test" for more information. If the actuator is damaged or the actuator does not operate within the specified limits, the complete turbocharger must be replaced.
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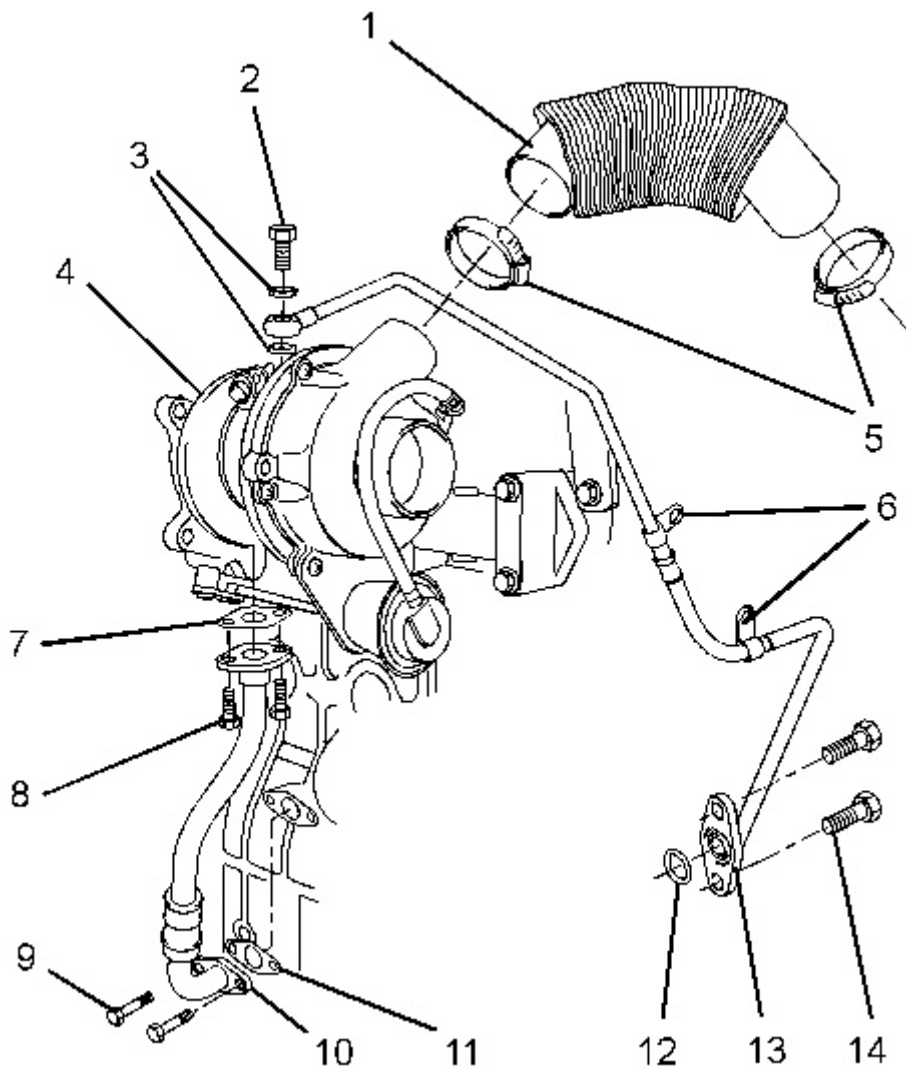


Illustration 3

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