

Service Manual

272C SKID STEER LOADER

S/N RED00001-UP

KENR5114-03 236B, 246B, 246C, 252B, 256C Skid Steer Loaders Engine
Supplement
KENR5115-02 246C, 256C, 262C, 262C2 and 272C Skid Steer Loaders
Power Train
KENR5116-02 246C, 256C, 262C, 262C2 and 272C Skid Steer Loaders
Machine Systems
KENR6941-04 C3.4 Engines for Caterpillar Built Machines
RENR7582-07 3044C Industrial Engine and Engines for Caterpillar Built
Machines
SENR5664-27 Air Conditioning and Heating R134a for All Caterpillar
Machines
UENR3262-00 Seal Installation

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Service Information System

Shutdown SIS

Product: SKID STEER LOADER

Model: 272C SKID STEER LOADER RED

Configuration: 272C Skid Steer Loader RED00001-UP (MACHINE) POWERED BY 3044C Engine

Disassembly and Assembly

236B, 246B, 246C, 252B, 256C, 262B, 262C, 262C2 and 272C

Skid Steer Loaders Engine Supplement

Media Number -KENR5114-03

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Date Updated -19/04/2011

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Aftercooler - Remove and Install

SMCS - 1063-010

S/N - RED1-UP

S/N - TMW1-UP

Removal Procedure

Start By:

	NOTICE
Ke	ep all parts clean from contaminants.
Co	ntaminants 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.

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

Dispose of all fluids according to local regulations and mandates.

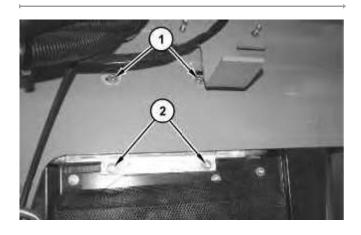


Illustration 1 g01340463

- 1. Remove bolts (1) and bolts (2).
- 2. Lower the cab. Refer to Operation and Maintenance Manual, "Cab Tilting".

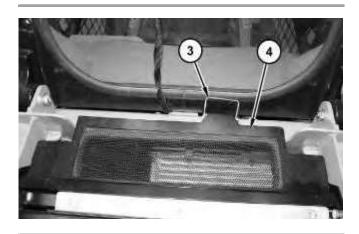


Illustration 2 g01340464

3. Remove pin assembly (3) and raise grill assembly (4).

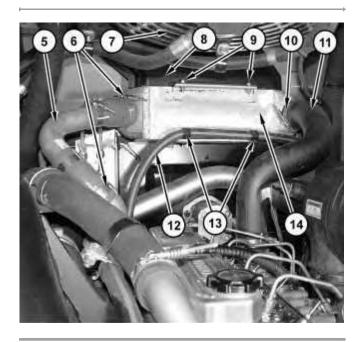


Illustration 3 g01340465

- 4. Raise radiator (7). Refer to Operation and Maintenance Manual, "Radiator Tilting".
- 5. Loosen hose clamps (6) and remove tube (5) and the hoses as one.

Note: Note the position of hose clamps (6) for assembly purposes.

6. Loosen hose clamps (10) and remove hose (11).

Note: Note the position of hose clamps (10) for assembly purposes.

- 7. Remove bolts (9) and duct assembly (8).
- 8. Disconnect clips (13) and move hose (12) out of the way.
- 9. Remove aftercooler (14) from the machine.

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

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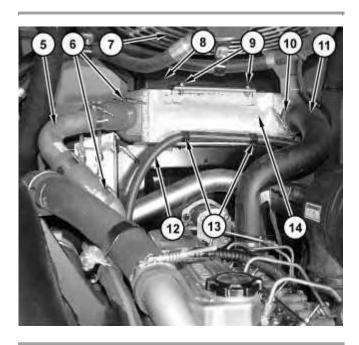


Illustration 4 g01340465

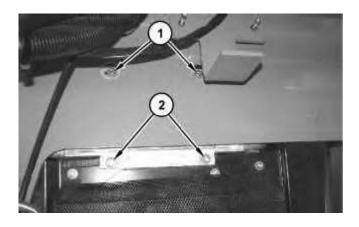


Illustration 5 g01340463

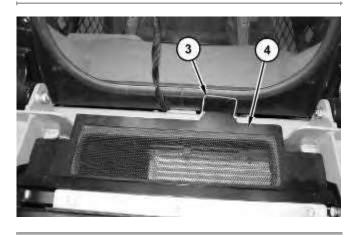


Illustration 6 g01340464

- 1. Position aftercooler (14) to the machine.
- 2. Raise the cab. Refer to Operation and Maintenance Manual, "Cab Tilting".
- 3. Install bolts (2). Install bolts (1). Tighten bolts (1) to a torque of 15 ± 3 N·m (11 ± 2 lb ft).
- 4. Lower the cab. Refer to Operation and Maintenance Manual, "Cab Tilting".
- 5. Position duct assembly (8) and install bolts (9).
- 6. Lower grill assembly (4) and install pin assembly (3).
- 7. Position hose (12) and connect clips (13).
- 8. Position hose (11).

Note: Make sure that hose (11) is pushed onto the connections as far as possible prior to tightening hose clamps (10).

9. Tighten hose clamps (10) to a torque of $7.5 \pm 1.0 \text{ N} \cdot \text{m}$ (66 ± 9 lb in).

Note: Make sure that hose clamps (10) are oriented in the correct position.

- 10. Position tube (5) and the hoses.
- 11. Tighten hose clamps (6) to a torque of $7.5 \pm 1.0 \text{ N} \cdot \text{m}$ (66 ± 9 lb in).

Note: Make sure that hose clamps (6) are oriented in the correct position.

12. Lower radiator (7). Refer to Operation and Maintenance Manual, "Radiator Tilting".

End By: Install the hydraulic tank. Refer to Disassembly and Assembly, "Hydraulic Tank - Install".

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Service Information System

Shutdown SIS

Model: 272C SKID STEER LOADER RED

Configuration: 272C Skid Steer Loader RED00001-UP (MACHINE) POWERED BY 3044C Engine

Disassembly and Assembly

236B, 246B, 246C, 252B, 256C, 262B, 262C, 262C2 and 272C

Skid Steer Loaders Engine Supplement

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Aftercooler Fan and Mounting - Remove and Install

SMCS - 1063-010-HFN; 1063-010-MT

S/N - RED1-UP

S/N - TMW1-UP

Removal Procedure

Start By:

- A. Remove the aftercooler fan motor. Refer to Disassembly and Assembly, "Gear Motor (Fan, Aftercooler) Remove".
- B. Remove the aftercooler. Refer to Disassembly and Assembly, "Aftercooler Remove and Install".
- C. Remove the refrigerant condenser. Refer to Disassembly and Assembly, "Refrigerant Condenser Remove and Install".

NOTICE
Keep all parts clean from contaminants.
Contaminants may cause rapid wear and shortened component life.
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