



Service Manual

252 SKID STEER LOADER

S/N FDG00001-UP

REN2868-03 236, 246, 248, 252 and 262 Skid Steer Loaders Engine Supplement _____	2
REN4808-00 236, 246, 252 and 262 Skid Steer Loaders Power Train _____	134
REN4812-05 236, 246, 252 and 262 Skid Steer Loaders Machine Systems _____	232
SEN5013-08 3034 Engine for Caterpillar Built Machines _____	395
SEN5664-27 Air Conditioning and Heating R134a for All Caterpillar Machines _____	676
UENR3262-00 Seal Installation _____	707

Air Cleaner - Remove and Install _____	2
Alternator - Remove and Install _____	9
Battery and Battery Cable - Separate and Connect _____	14
Cab - Tilt _____	17
Electric Starting Motor - Remove and Install _____	24
Engine - Install - 236, 246, 252 and 262 Skid Steer Loader _____	30
Engine - Remove - 236, 246, 252 and 262 Skid Steer Loader _____	46
Engine Enclosure - Remove and Install _____	58
Fuel Filter - Remove and Install _____	63
Gear Motor (Fan) - Install _____	68
Gear Motor (Fan) - Remove _____	73
Hydraulic System Pressure - Release (2) _____	78
Hydraulic System Pressure - Release _____	80
Muffler - Remove and Install _____	82
Pump Mounting - Remove and Install _____	89
Radiator and Hydraulic Oil Cooler - Install _____	93
Radiator and Hydraulic Oil Cooler - Remove _____	104
Water Pump - Remove and Install _____	115
Water Separator - Remove and Install _____	123
Water Temperature Regulator - Remove and Install _____	128

Previous Screen

Product: SKID STEER LOADER

Model: 252 SKID STEER LOADER FDG

Configuration: 236 246 252 262 Skid Steer Loader FDG00001-UP (MACHINE) POWERED BY 3034 Engine

Disassembly and Assembly

236, 246, 248, 252 and 262 Skid Steer Loaders Engine Supplement

Media Number -REN2868-03

Publication Date -01/08/2004

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i01467471

Air Cleaner - Remove and Install

SMCS - 1051-010

Removal Procedure

236 and 252 Skid Steer Loaders

1. Lower the work tool to the ground.
2. Turn the engine start switch to the OFF position.
3. Open the engine access door.
4. Release the latch on the radiator. Raise the radiator. This will allow access to the air cleaner.

Note: The 236 and 252 are not equipped with a turbocharger.

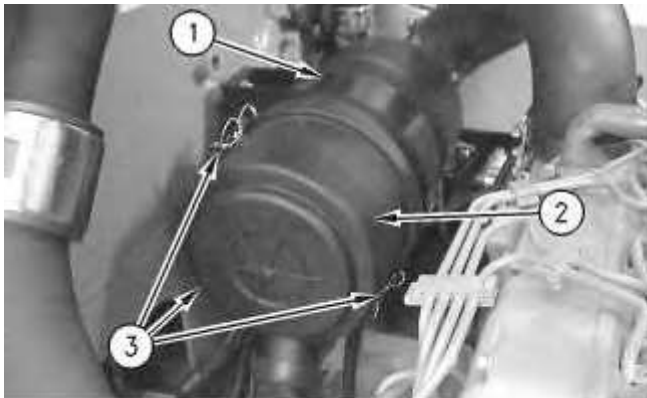


Illustration 1

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5. Disconnect three clamps (3). Remove air cleaner cover (2) from air cleaner housing (1) .
6. Remove the primary air filter and the secondary air filter from inside air cleaner housing (1) .



Illustration 2

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7. Loosen two clamps (4). Disconnect hose (5) .

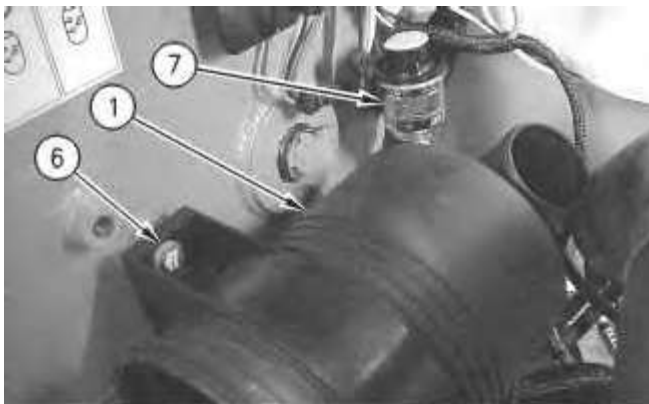


Illustration 3

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8. Remove two bolts (6). Remove air cleaner housing (1) .
9. Remove service indicator (7) .

Removal Procedure

246, 248 and 262 Skid Steer Loaders

1. Lower the work tool to the ground.
2. Turn the engine start switch to the OFF position.
3. Open the engine access door.
4. Release the latch on the radiator. Raise the radiator. This will allow access to the air cleaner.

Note: The 246, 248 and 262 are equipped with a turbocharger.

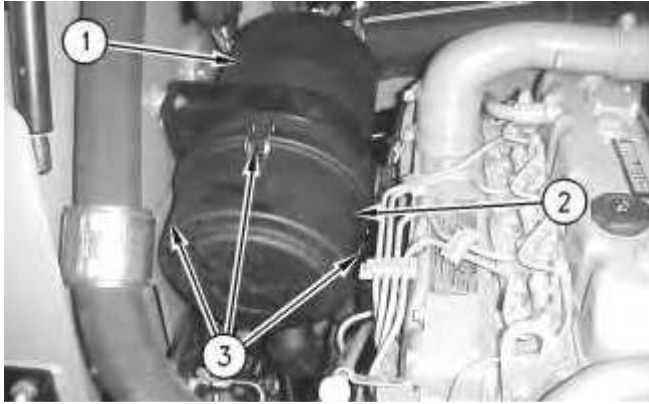


Illustration 4

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5. Disconnect three clamps (3). Remove air cleaner cover (2) from air cleaner housing (1) .
6. Remove the primary air filter and the secondary air filter from inside air cleaner housing (1) .

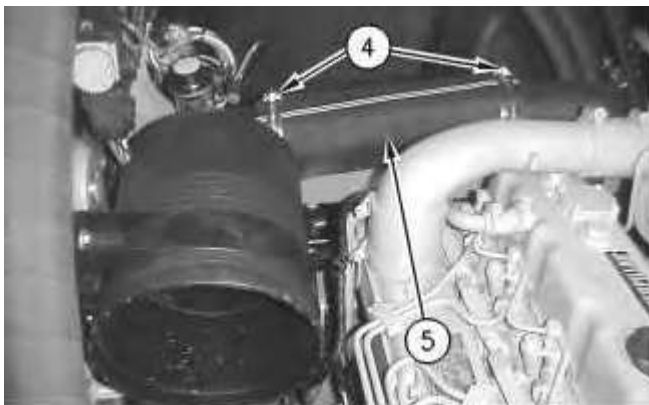


Illustration 5

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7. Loosen two clamps (4). Disconnect hose (5) .

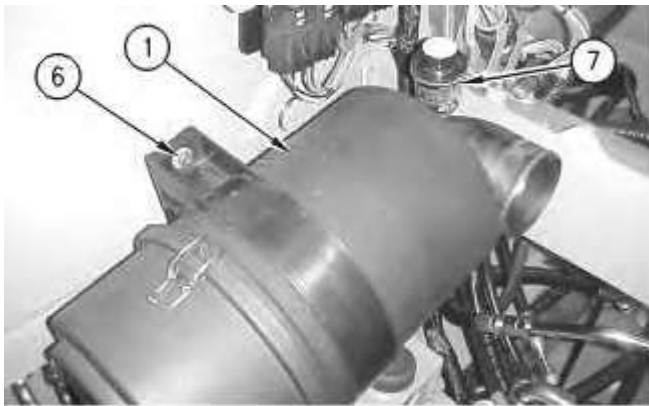


Illustration 6

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8. Remove two bolts (6). Remove air cleaner housing (1) .
9. Remove service indicator (7) .

Installation Procedure

236 and 252 Skid Steer Loaders

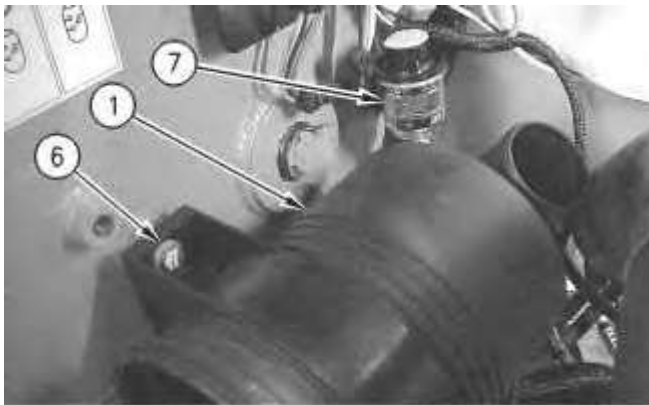


Illustration 7

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1. Apply **5P-3413** Pipe Sealant to the threads of service indicator (7). Install service indicator (7) into air cleaner housing (1). Tighten the service indicator until the service indicator makes contact with the base of the fitting. Tighten the service indicator by another 1/4 turn.
2. Clean any debris or dirt from air cleaner housing (1) prior to installation.

3. Place air cleaner housing (1) into position. Install two bolts (6). Tighten two bolts (6) to a torque of $18.5 \pm 1.5 \text{ N}\cdot\text{m}$ ($13.6 \pm 1.1 \text{ lb ft}$).



Illustration 8

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4. Connect hose (5). Tighten two clamps (4) to a torque of $4.5 \pm 1 \text{ N}\cdot\text{m}$ ($40 \pm 9 \text{ lb in}$).

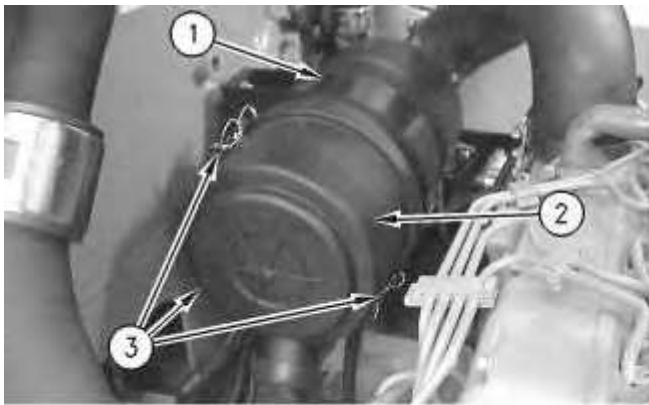


Illustration 9

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5. Install the primary air filter and the secondary air filter into air cleaner housing (1) .
6. Install air cleaner cover (2) and connect three clamps (3) .
7. Lower the radiator and lock the radiator into position.
8. Close the engine access door.

Installation Procedure

246, 248 and 262 Skid Steer Loaders

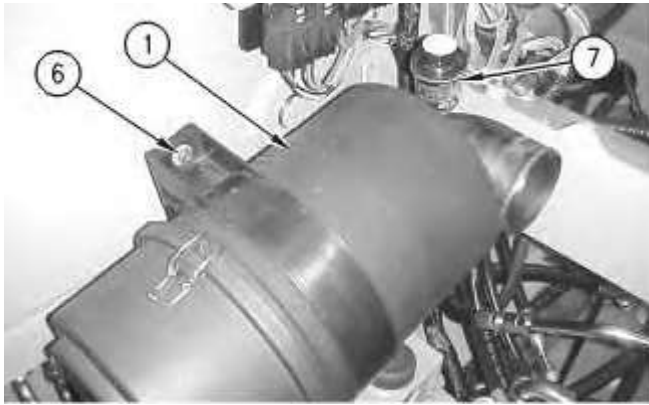


Illustration 10

g00779924

1. Apply **5P-3413** Pipe Sealant to the threads of service indicator (7). Install service indicator (7) into air cleaner housing (1). Tighten the service indicator until the service indicator makes contact with the base of the fitting. Tighten the service indicator by another 1/4 turn.
2. Clean any debris or dirt from air cleaner housing (1) prior to installation.
3. Place air cleaner housing (1) into position. Install two bolts (6). Tighten two bolts (6) to a torque of $18.5 \pm 1.5 \text{ N}\cdot\text{m}$ ($13.6 \pm 1.1 \text{ lb ft}$).

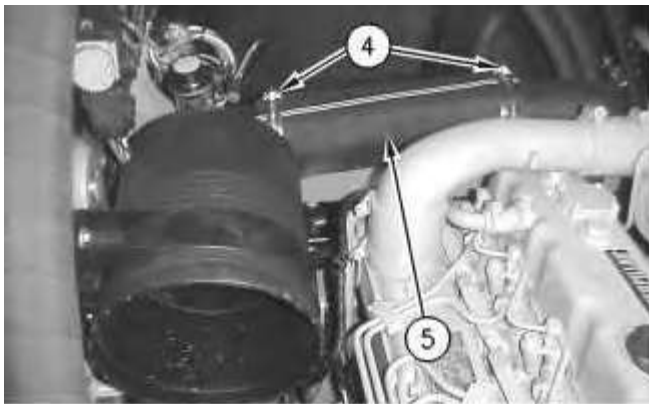


Illustration 11

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4. Connect hose (5). Tighten two clamps (4) to a torque of $4.5 \pm 1 \text{ N}\cdot\text{m}$ ($40 \pm 9 \text{ lb in}$).
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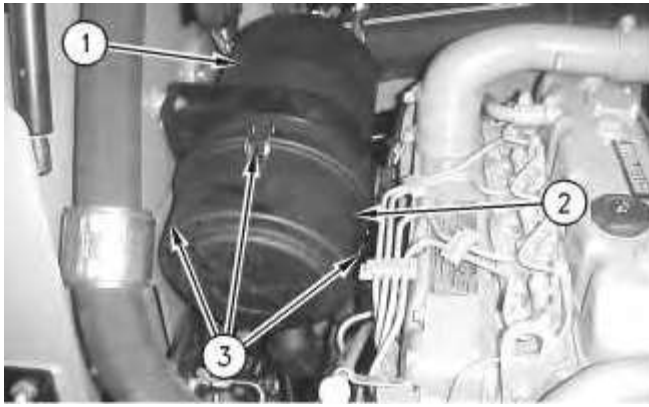


Illustration 12

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5. Install the primary air filter and the secondary air filter into air cleaner housing (1) .
6. Install air cleaner cover (2) and connect three clamps (3) .
7. Lower the radiator and lock the radiator into position.
8. Close the engine access door.