

CX350C
Tier 4
Crawler Excavator

SERVICE MANUAL

Part number 84402832

1st edition English
August 2011



Removal and Installation of Engine Assembly

⚠ WARNING

- Keep away from fire.
- Be sure to release hydraulic pressure before beginning work.
- The air conditioner circuit is filled with high-pressure gas, so there is the danger of gas spraying out when loosening lines.
- Do not use open flames and do not allow sparks near the battery.

⚠ CAUTION

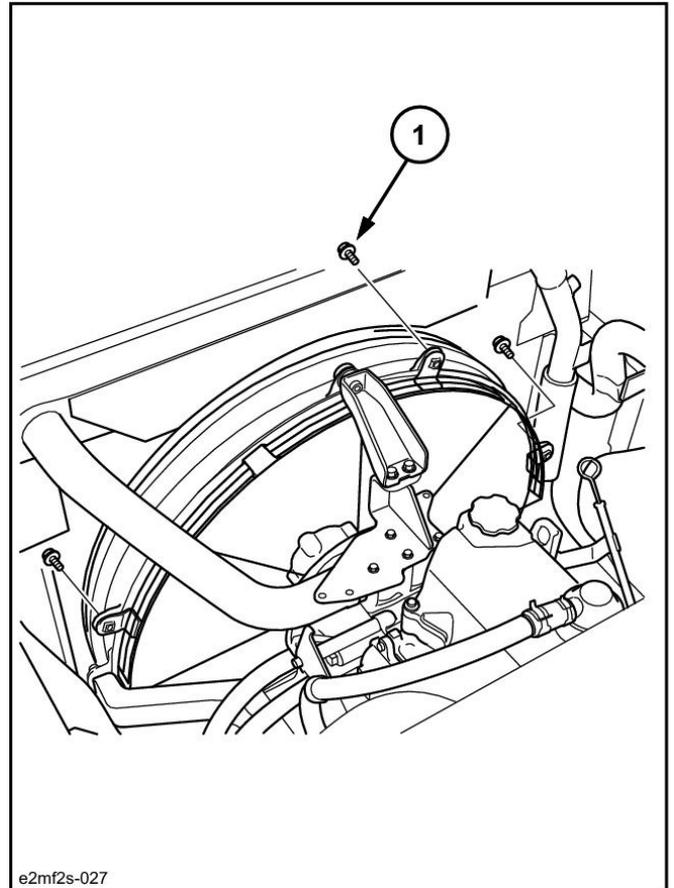
- Be sure to stop the engine before beginning work.
- Be sure to inspect the wire rope and other lifting equipment before beginning work.
- Do not stand or pass under the suspended load.

Items to prepare

- Wrenches (7 mm, 8 mm, 13 mm, 17 mm, 19 mm, 36 mm)
- Box wrench (30 mm)
- Shackle (with the required lifting capacity) x 2
- Wire ropes (with the required breaking load)
- Liftcrane (with the required lifting capacity)
- Marking pen
- Cap
- Plug
- Waste oil can
- Rag
- Cleaning fluid
- Wood planks, etc.

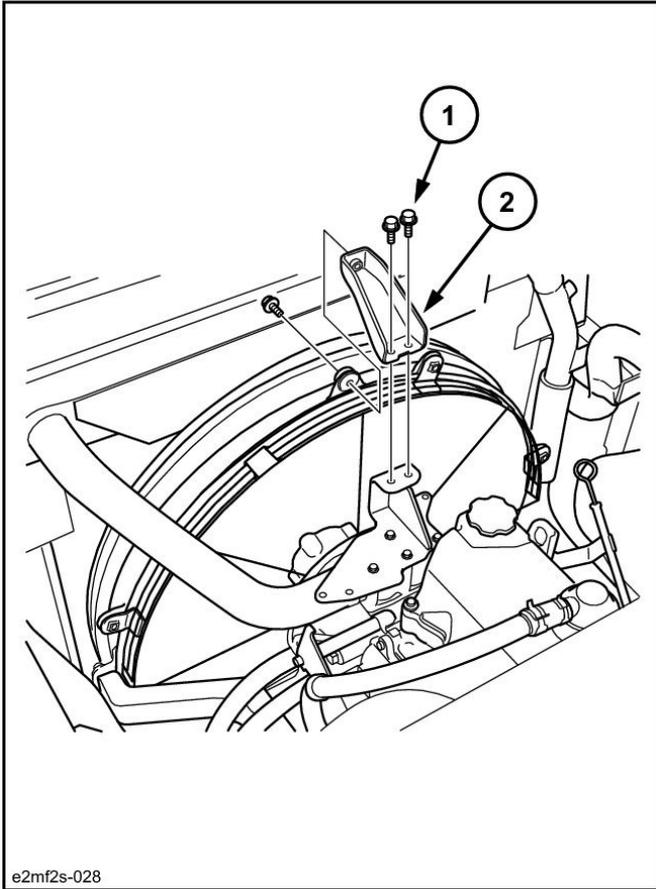
Removal of Engine Assembly

1. Drain the engine oil.(For details, see "Engine Oil Replacing".)
2. Drain the coolant from the radiator.(For details, see "Removal and Installation of Radiator".)
3. Remove the engine hood.(For details, see "Removal and Installation of Engine Hood".)
4. Remove the hydraulic pump.(For details, see "Removal and Installation of Hydraulic Pump".)
5. Use a wrench (13 mm) to remove the 3 bolts (1).

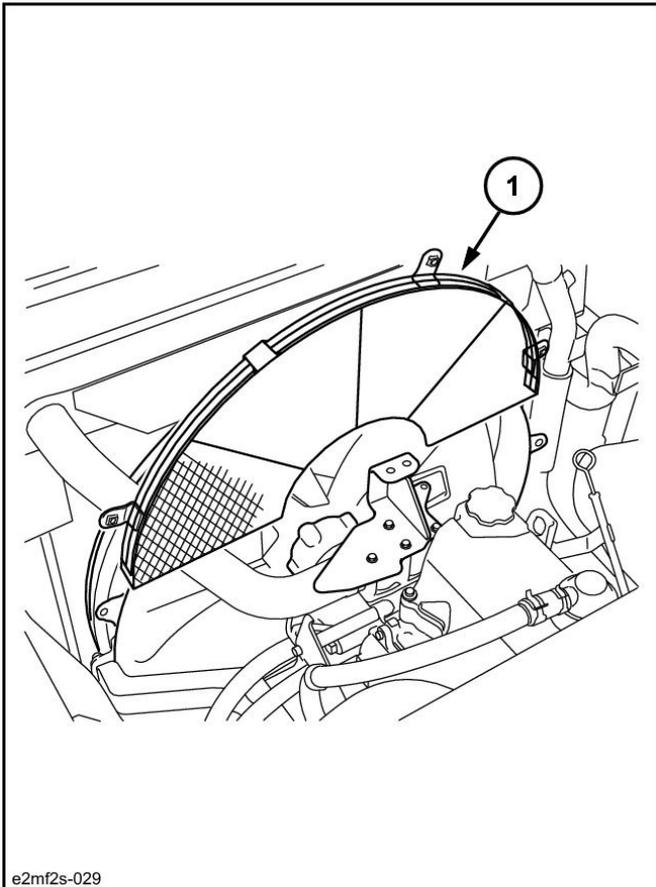


Removal and Installation of Engine Assembly

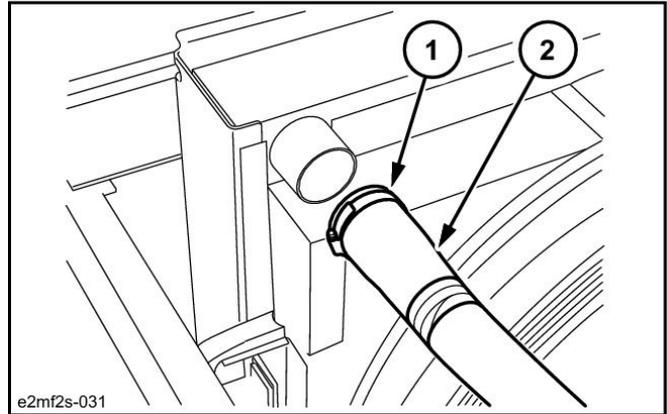
6. Use a wrench (13 mm) to remove the 3 bolts (1), and then remove the bracket (2).



7. Remove the fan guard (1).

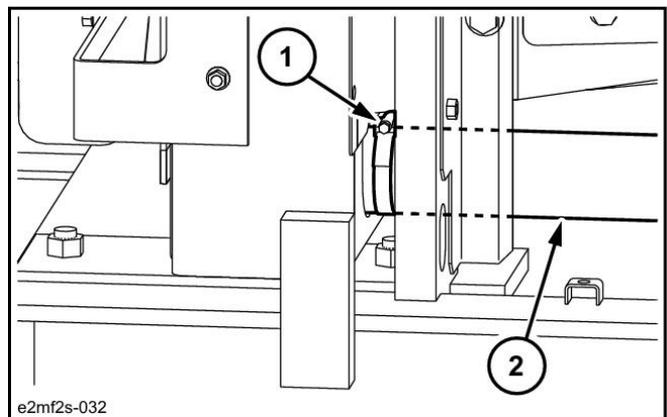


8. Use a wrench (8 mm) to loosen the hose band (1) on the radiator, and then remove the upper hose (2).



9. Remove the cushion seal on the side of the radiator, use a wrench (8 mm) to loosen the hose band (1) of the radiator, and then remove the lower hose (2).

- Use caps to cover the radiator and hoses to prevent the entry of water, dust or dirt.
- Before removing the radiator hoses, completely drain the coolant.



10. Use a wrench (13 mm) to loosen the line bolts (1) in 2 locations, and then remove the 2 lines (2) and (3) from the compressor.

- Always remove the low-pressure (suction side) line (2) first.
- Attach caps or plugs to the compressor and lines to prevent any entry of water, dust or dirt.

Tightening torque for bolt installation: 19.6 - 24.5 N•m

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