

Product: BACKHOE LOADER

Model: 432E BACKHOE LOADER RXS

Configuration: 432E Backhoe Loader RXS00001-UP (MACHINE) POWERED BY C4.4 (MECH) Engine

Disassembly and Assembly

422E, 428E, 432E, 434E, 442E and 444E Backhoe Loaders Engine Supplement

Media Number -KENR8033-00

Publication Date -01/11/2008

Date Updated -12/11/2008

i03165906

Engine - Remove

SMCS - 1000-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	185-3630	Strap Wrench As	1
B	1U-7505	Hydraulic Jack	1
C	6V-3145	Load Leveling Beam	1
D	138-7575	Link Bracket	1

Start By:

- A. Remove the radiator, the refrigerant condenser, the hydraulic oil cooler, and the transmission oil cooler. Refer to Disassembly and Assembly, "Radiator, Refrig Condenser, and Hyd and TMSN Oil Cooler - Remove".

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.

Note: Put identification marks on all hoses, on all hose assemblies, on all harness assemblies, and on all tube assemblies for installation purposes. Plug all hose assemblies and all tube assemblies. This helps to prevent fluid loss, and this helps to keep contaminants from entering the system.

1. Drain the transmission oil. Refer to Operation and Maintenance Manual, "Transmission Oil - Change".

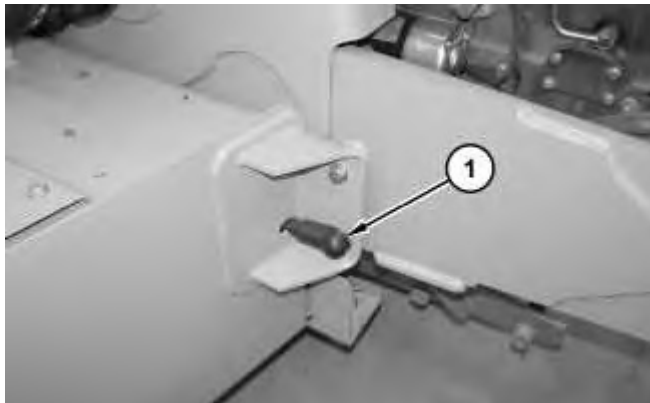


Illustration 1

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2. Disconnect ground cable assembly (1) in order to disconnect the batteries.

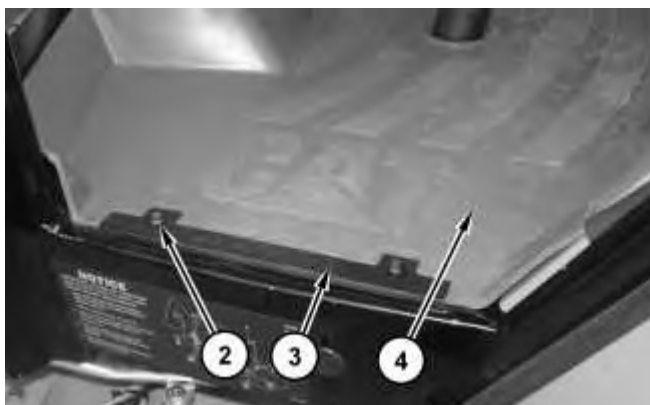


Illustration 2

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3. Remove bolts (2) and plate (3). Repeat for the opposite side of the cab. Remove floor mat (4).

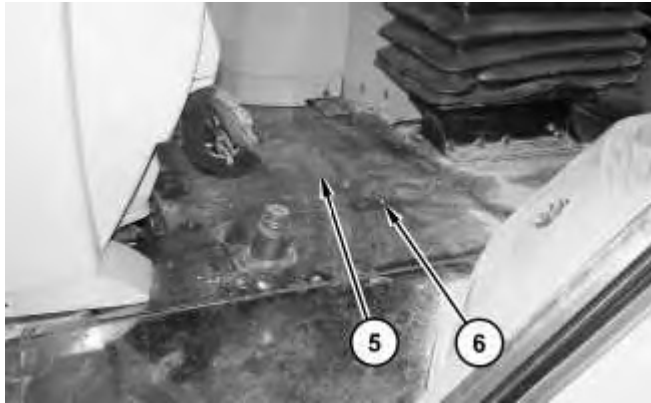


Illustration 3

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4. Remove bolts (6) in order to position plate (5) to the side.



Illustration 4

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5. Remove bolts (8) and remove cover (7) .

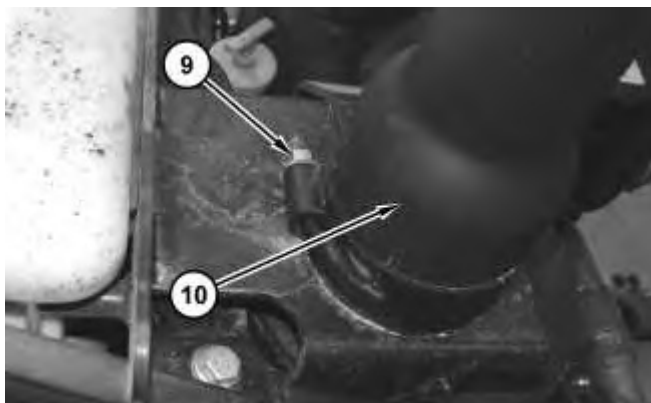




Illustration 6

6. Remove nut (9) and the clamp in order to remove exhaust pipe (10). Note the orientation of exhaust pipe (10) in relationship to the machine for installation purposes.

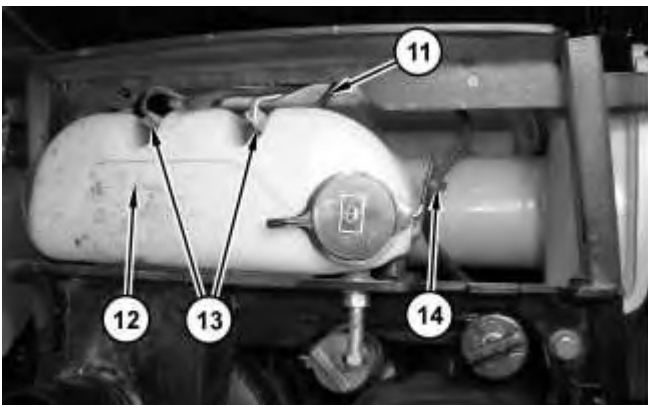


Illustration 7

7. Disconnect harness assemblies (13) from tank (12). Disconnect hoses (11) from tank (12). Cut cable strap (14) .
-

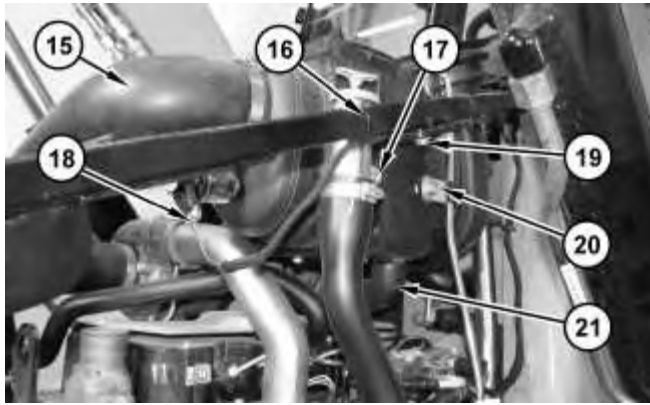


Illustration 8

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8. Remove hose (15) .
9. Disconnect harness assembly (18). Cut cable straps (16) .
10. Remove bolt (17) and position the tube assembly out of the way.
11. Disconnect hose (21) .
12. Disconnect clip (20) .
13. Remove bolts (19) .



Illustration 9

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14. Remove bolts (22) and remove air cleaner assembly (23) .

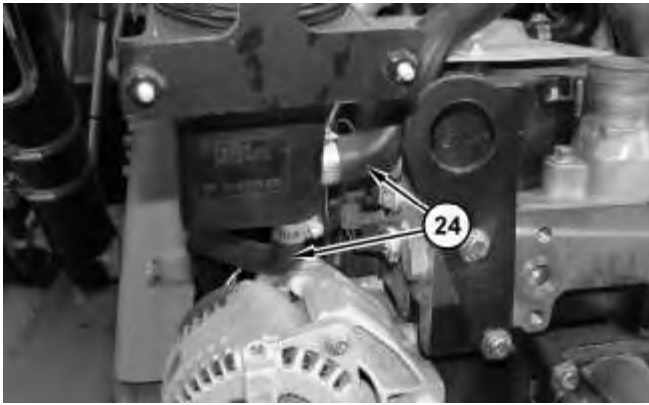


Illustration 10

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15. Disconnect hoses (24) .

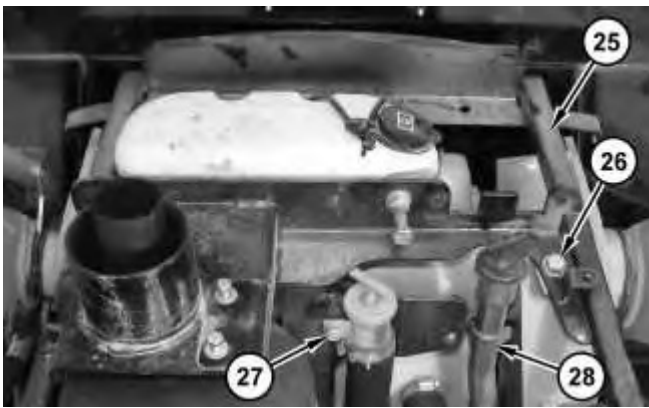


Illustration 11

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16. Remove bolts (26). Use two people in order to remove frame assembly (25). The weight of frame assembly (25) is approximately 29 kg (65 lb).
 17. Remove bolt (27) .
 18. Remove clip (28) .
-

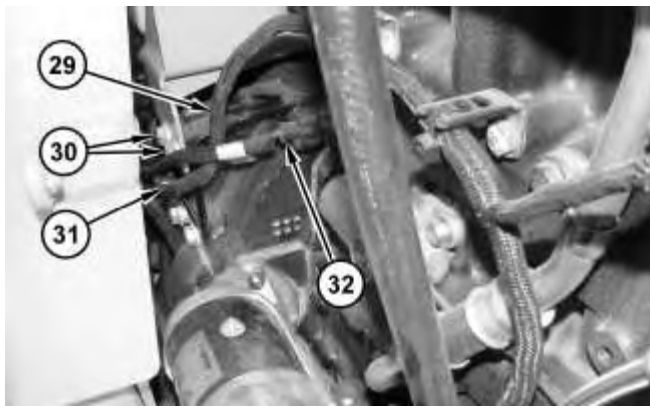


Illustration 12

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19. Disconnect harness assembly (32) .
20. Cut cable strap (31) for harness assembly (29) .
21. Remove bolts (30). Repeat this step for the opposite side.

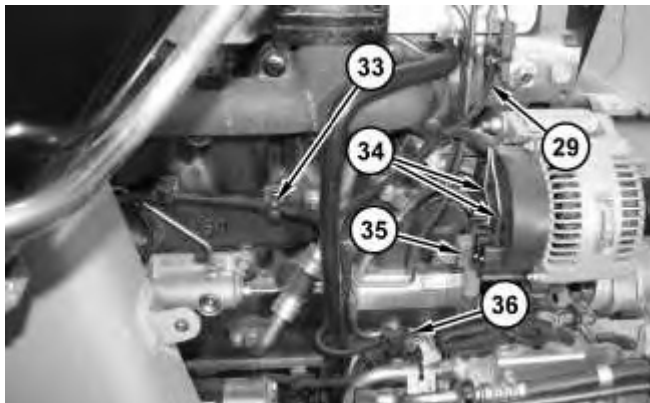


Illustration 13

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22. Disconnect harness assemblies (34) .
23. Disconnect harness assembly (36) .
24. Disconnect harness assembly (29) .
25. Disconnect cable assembly (35) .
26. Cut cable straps (33) in order to position harness assembly (29) out of the way.



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aservicemanualpdf@yahoo.com