

Product: VIBRATORY COMPACTOR

Model: CS-433E VIBRATORY COMPACTOR ASR

Configuration: CS/CP-433E Vibratory Compactor ASR00001-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly CP-433E, CS-423E and CS-433E Vibratory Compactors Machine Systems

Media Number -KENR3584-05

Publication Date -01/09/2008

Date Updated -29/09/2008

i02070626

Axle (without Brakes) - Disassemble

SMCS - 3260-015; 3278-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8H-0700	Bearing Puller	1
B	1P-1859	Retaining Ring Pliers	1
C	1P-0510	Driver Gp	1
D	154-6182	Forcing Bolt	2
E	138-7573	Link Bracket	2

Start By:

A. Remove the axle. Refer to Disassembly and Assembly, "Axle - Remove".

1. Drain the oil from the differential into a suitable container. The capacity of the differential is approximately 9 L (2.4 US gal).
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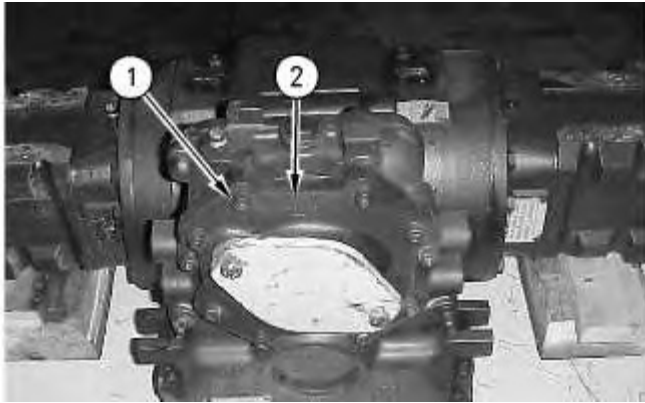


Illustration 1

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2. Drain the oil from the gearbox into a suitable container. The capacity of the gearbox is approximately 1.2 L (0.3 US gal).
3. Remove the bolts and the propel motor from the gearbox. Install the cover and the bolts on the gearbox.
4. Remove bolts (1) and cover (2) .

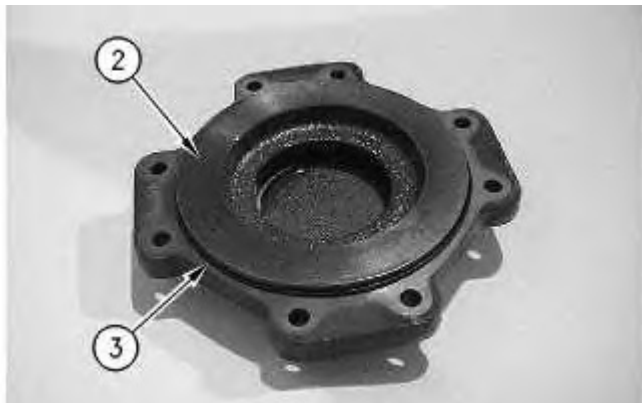


Illustration 2

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5. Remove O-ring seal (3) from cover (2) .
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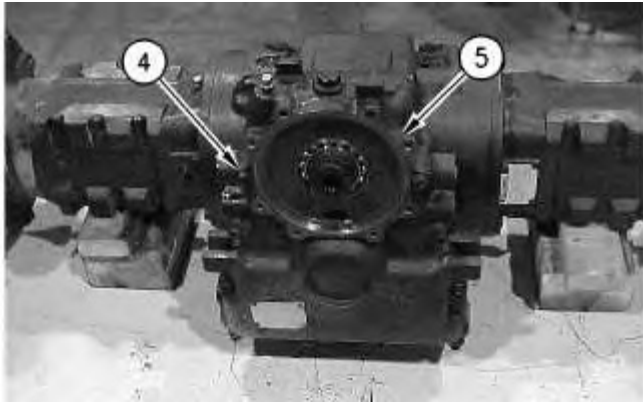


Illustration 3

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6. Remove bolts (4) and cover (5) .



Illustration 4

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7. Remove dowels (6) from cover (5) .

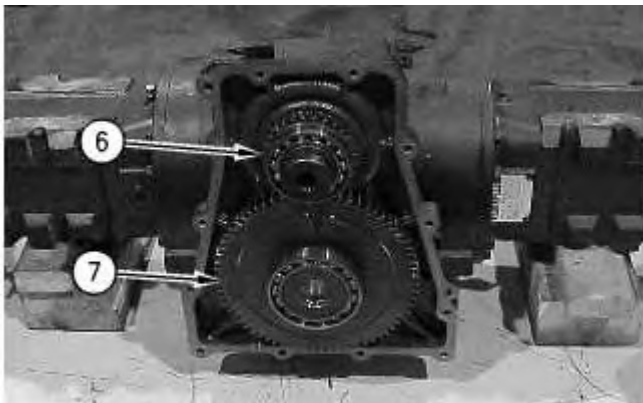


Illustration 5

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8. Remove gear (6) and gear (7) .

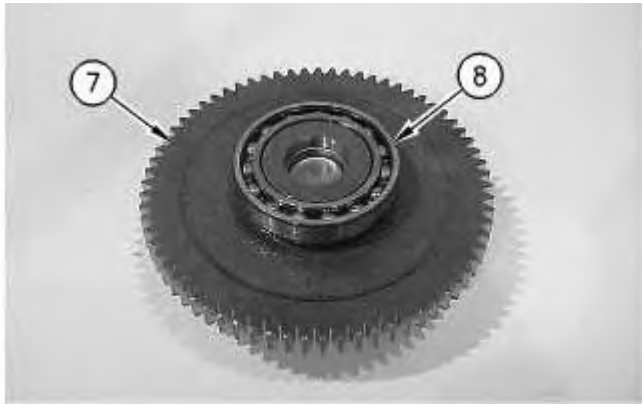


Illustration 6

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9. Use Tooling (A) and remove bearing (8) from gear (7) .

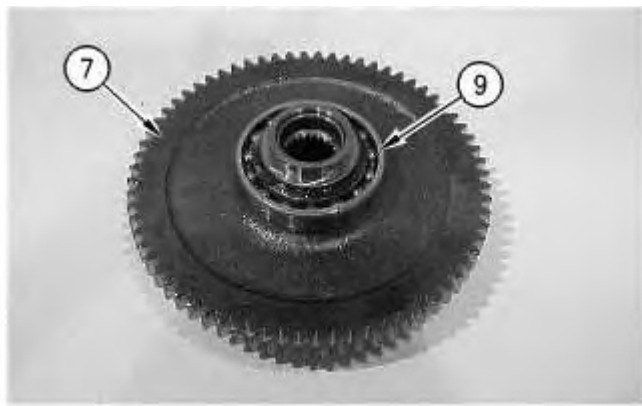
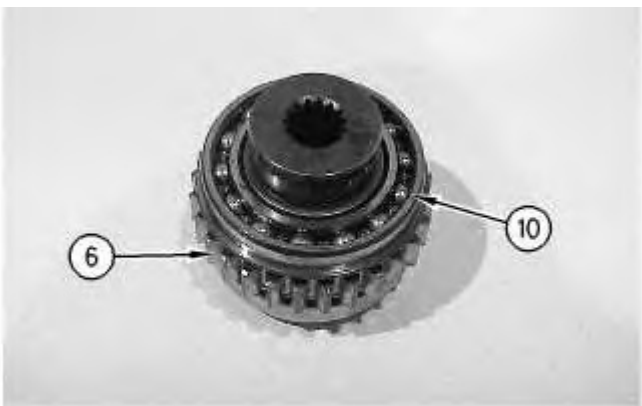


Illustration 7

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10. Use Tooling (A) and remove bearing (9) from gear (7) .



11. Use Tooling (A) and remove bearing (10) from gear (6) .

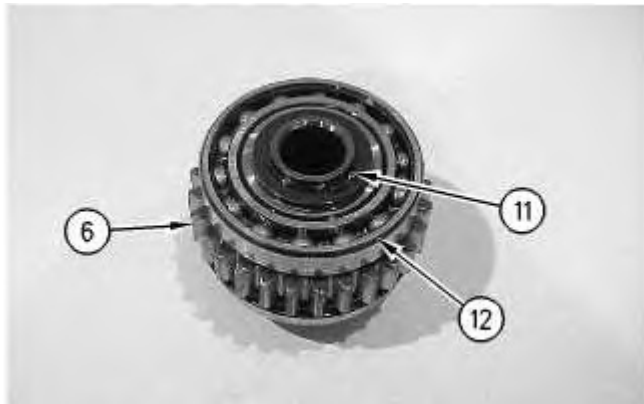


Illustration 9

12. Use Tooling (B) to remove retaining ring (11). Use Tooling (A) and remove bearing (12) from gear (6) .

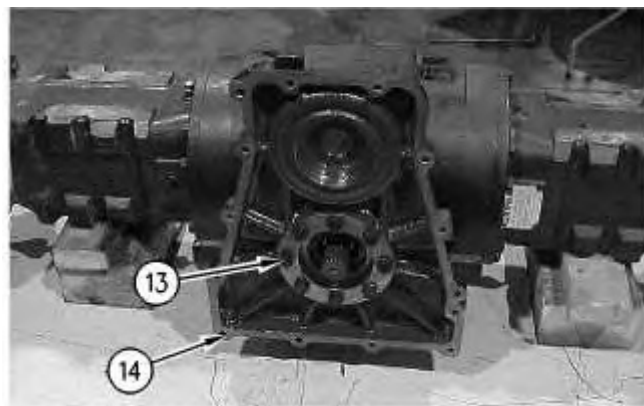


Illustration 10

13. Remove bolts (13) and remove cover (14) .
-



Illustration 11

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14. Drain the oil from the wheel hub into a suitable container. The capacity of the wheel hub is approximately 1.3 L (0.3 US gal).
15. Remove screws (15) and end cover (16) .

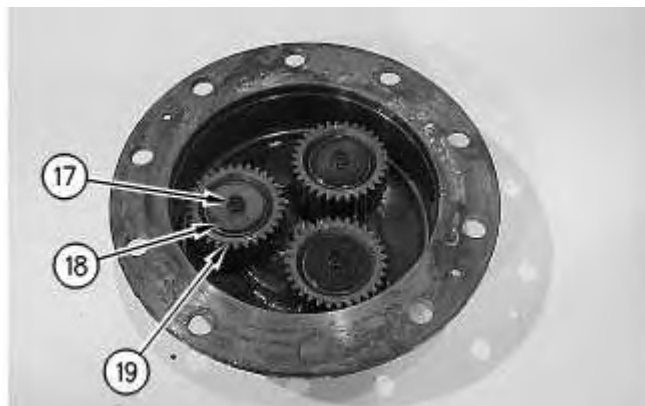
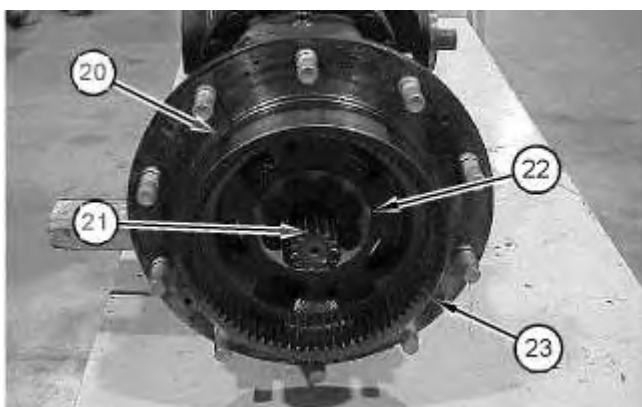


Illustration 12

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16. Remove bolts (17), washers (18), gears (19), and the 84 needle bearings.



17. Remove O-ring seal (20) from ring gear (23) .
18. Remove shaft (21) .
19. Remove bolts (22) .



Illustration 14

20. Install bolts (22) to ring gear (23), as shown. Turn the bolts evenly in order to remove the sun gear.

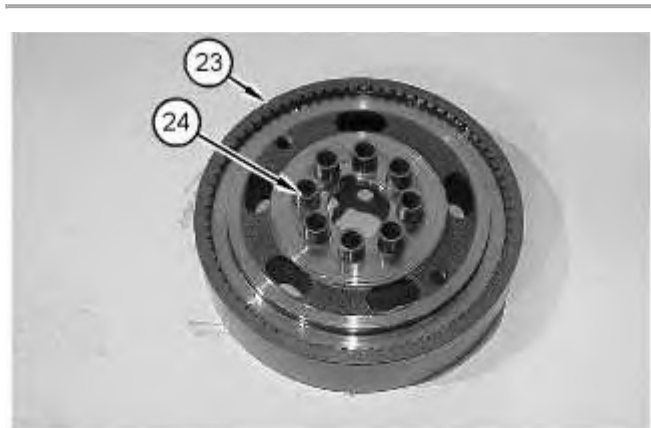


Illustration 15

21. Use a suitable press and remove bushings (24) from ring gear (23) .
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