

Product: EXCAVATOR

Model: 330D2 L EXCAVATOR ZBF

Configuration: 330D2 L Excavator ZBF00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly 326D2, 329D2 and 330D2 Excavators Machine Systems

Media Number -UENR6134-08

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i03508206

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
C	1P-1863	Retaining Ring Pliers	1
D	138-7575	Link Bracket	3
E	4C-8359	Eyebolt	2
F	138-7574	Link Bracket	2
G	138-7576	Link Bracket	2

Start By:

- a. Start by removing the final drive. Refer to Disassembly and Assembly, "Final Drive - Remove".

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will prevent dirt from entering the internal mechanism.

1. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled to the original locations.
-



Illustration 1

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2. Use Tooling (G) and a suitable lifting device to position the final drive assembly onto Tooling (A). The weight of the final drive assembly is approximately 550 kg (1200 lb).
3. Remove bolts (1).

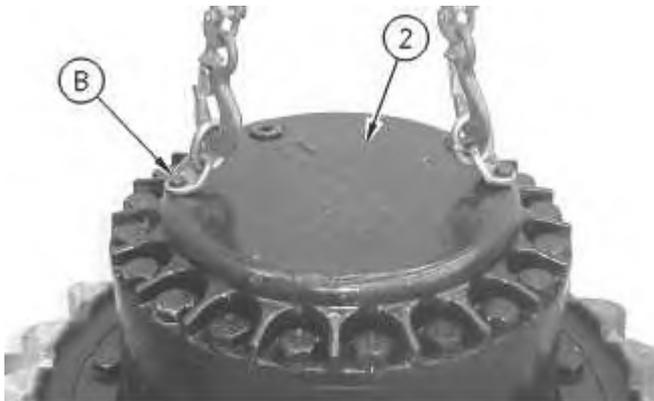


Illustration 2

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4. Use Tooling (B) and a suitable lifting device to remove cover (2). The weight of cover (2) is approximately 32 kg (70 lb).



Illustration 3

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5. Remove bolts (3) and gear (4). Check plate (6). Replace plate (6) if plate (6) is worn. Remove plugs (5) from cover (2).

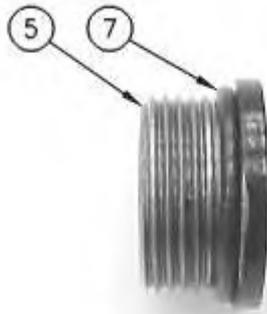


Illustration 4

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6. Remove O-ring seals (7) from plugs (5).



Illustration 5

g00892930

7. Remove gear (8) and spacer (9).



Illustration 6

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8. Use Tooling (C) to remove retaining ring (10). Remove washer (11) and gear (12). Remove bearing assembly (13) and washer (14).
9. Repeat Step 8 for the other two gear assemblies.

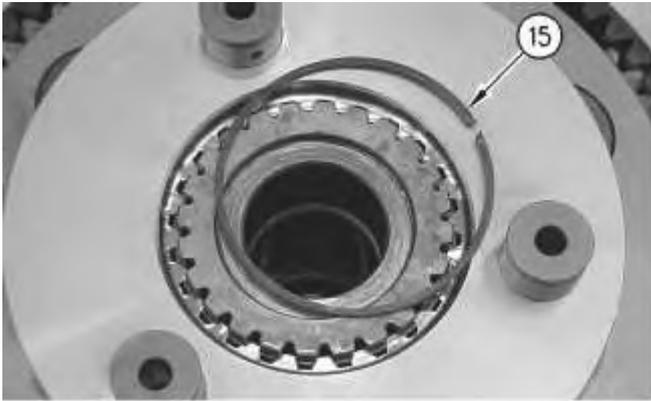


Illustration 7

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10. Remove retaining ring (15).

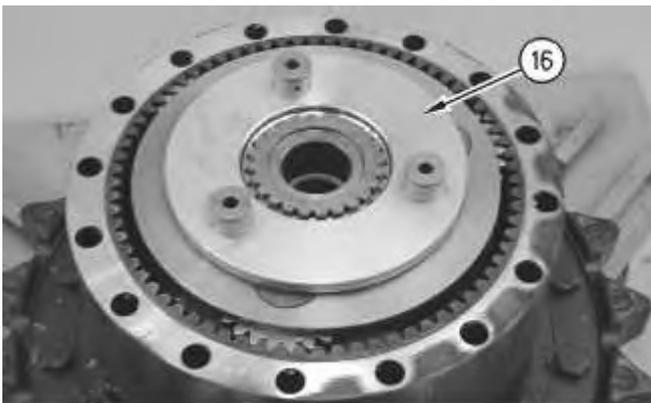


Illustration 8

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11. Remove carrier assembly (16).
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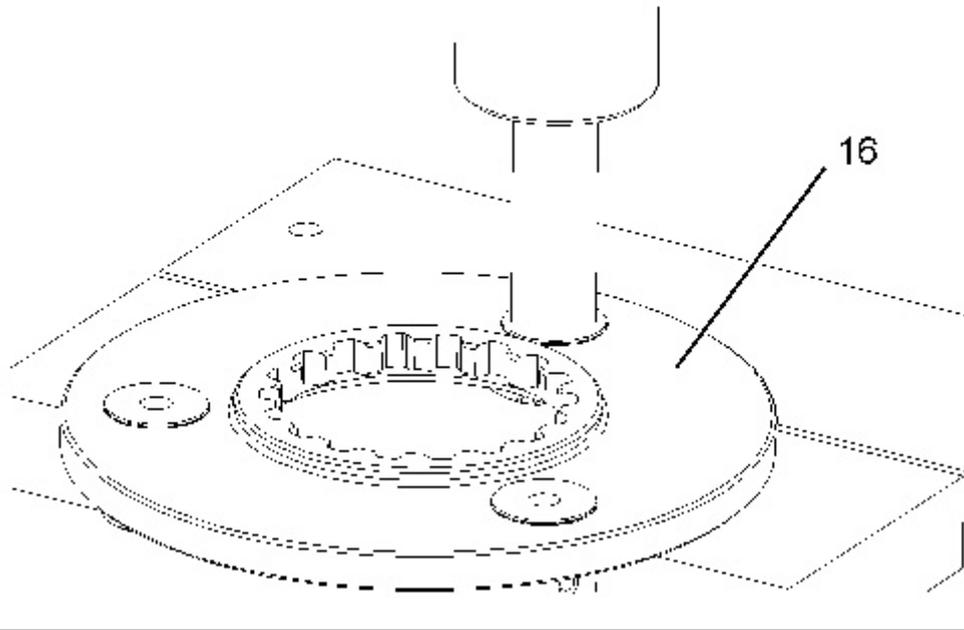


Illustration 9

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12. Use a suitable press to remove the shafts from carrier assembly (16).

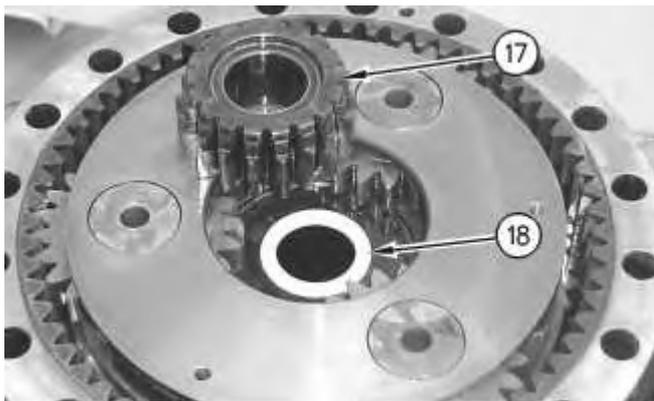


Illustration 10

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13. Remove gear (17) and spacer (18).

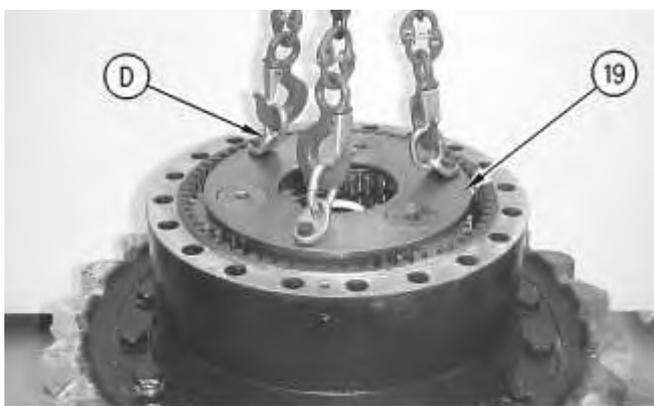


Illustration 11

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14. Use Tooling (D) and a suitable lifting device to remove planetary carrier (19). The weight of planetary carrier (19) is approximately 48 kg (105 lb).

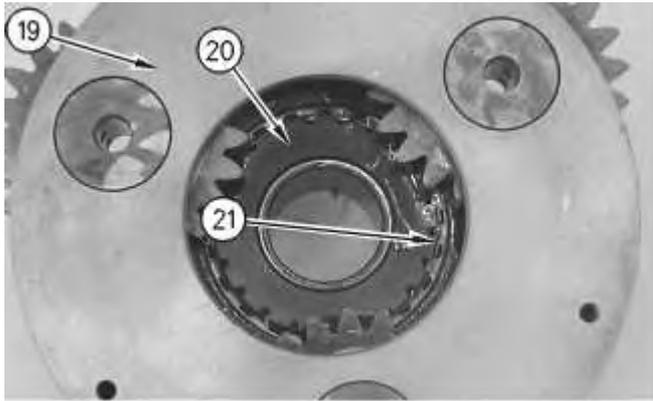


Illustration 12

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15. Remove retaining ring (21). Lift planetary carrier (19) off sun gear (20).



Illustration 13

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16. Drive spring pin (23) into planetary shaft (22).



Illustration 14

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17. Remove planetary shaft (22). Use a suitable punch to remove spring pin (23) from planetary shaft (22).

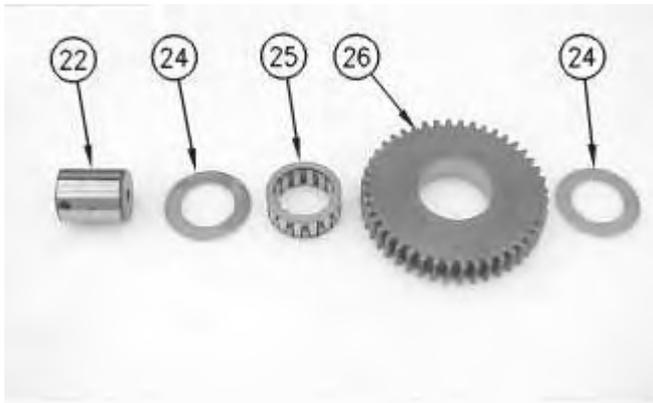


Illustration 15

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18. Remove washers (24) and bearing (25) from planetary gear (26).
19. Repeat Steps 16 through 18 for the other two planetary gears.

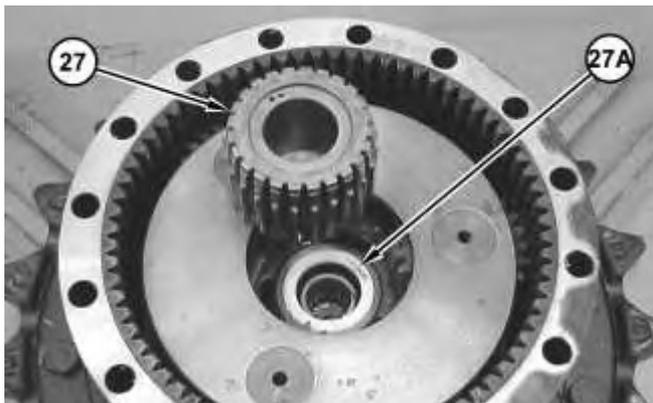


Illustration 16

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20. Remove gear (27). Remove spacer (27A).



Illustration 17

g01842974

21. Use two people to remove carrier assembly (28). The weight of carrier assembly (28) is approximately 38 kg (85 lb).



Illustration 18

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22. Drive spring pin (30) into shaft (29).



Illustration 19

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23. Remove shaft (29). Use a suitable punch to remove spring pin (30) from shaft (29).

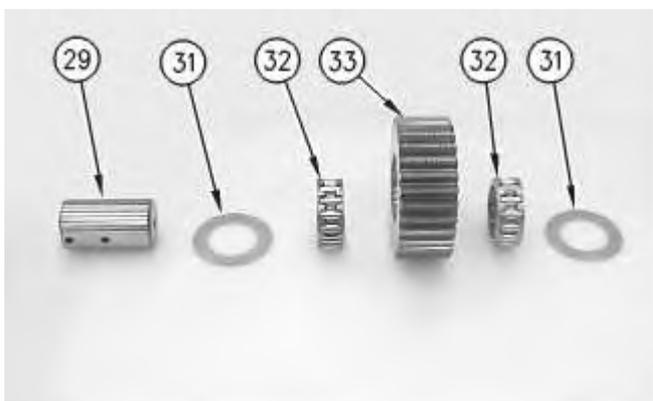


Illustration 20

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24. Remove washers (31) and bearings (32) from planetary gear (33).



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