

Product: TRACK-TYPE TRACTOR

Model: D7R TRACK-TYPE TRACTOR 2EN

Configuration: D7R Track-Type Tractor Differential Steering 2EN00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly

D7R Track-Type Tractor

Power Train

Media Number -SEN1706-02

Publication Date -01/01/2004

Date Updated -15/01/2004

i01008132

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	138-7575	Link Bracket	3
B	1P-0510	Driver	1
	8B-7548	Push-Puller Crossbar	1
C	8H-0684	Ratchet Wrench	1
	8B-7554	Bearing Cup Puller	1
D	138-7573	Link Bracket	2
E	1P-0520	Driver	1
F	138-7573	Link Bracket	3
	1P-0520	Driver	1
	6V-3160	Cylinder	1
	1D-4620	Bolt (3/4 inch by 10 by 7 inch)	4
G	FT-1934	Beam	1
	5P-8248	Washer	4
	9U-6600	Manual Pump	1

Start By:

- A. Remove the final drive. See the procedure in Disassembly and Assembly, "Final Drive - Remove" in this module.

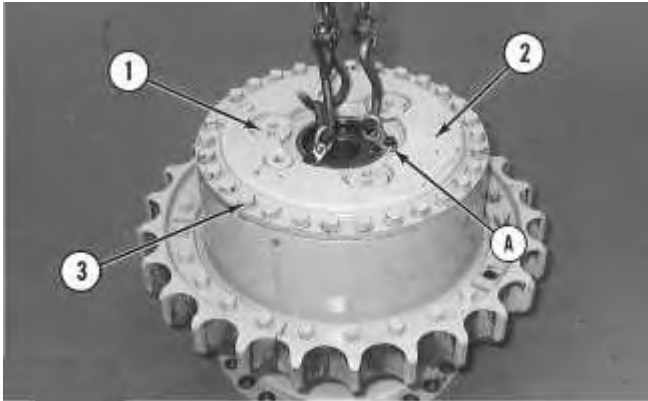


Illustration 1

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1. Install Tooling (A) on the planetary carrier. Fasten a hoist to Tooling (A). The weight of the planetary carrier is approximately 105 kg (230 lb).
2. Remove bolts (3) that hold the planetary carrier to the hub. Remove planetary carrier (2) from the hub.
3. Remove the six bolts that hold three plates (1). Remove the O-ring seals from the plates.



Illustration 2

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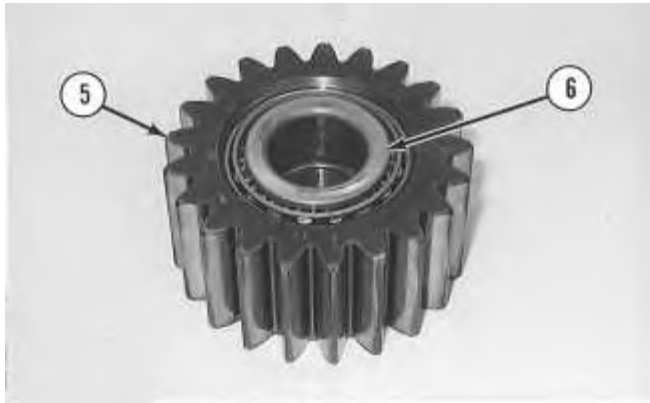


Illustration 3

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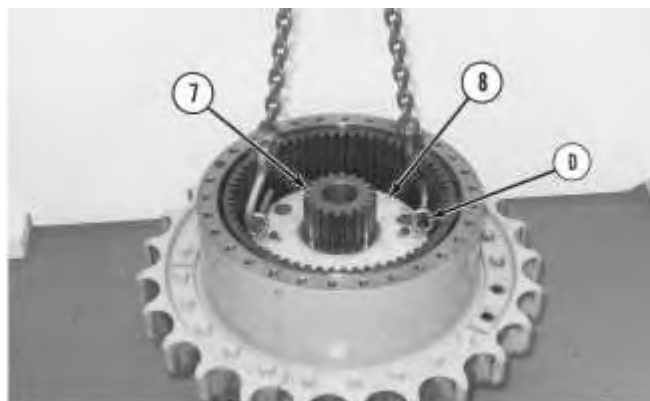
4. Use Tooling (B) and a press in order to remove shafts (4) from the planetary carrier.
5. Remove gears (5) from the planetary carrier.
6. Remove bearing cones (6) from the sides of gears (5) .



Illustration 4

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7. Use Tooling (C) in order to remove the bearing cups from the sides of gears (5) .



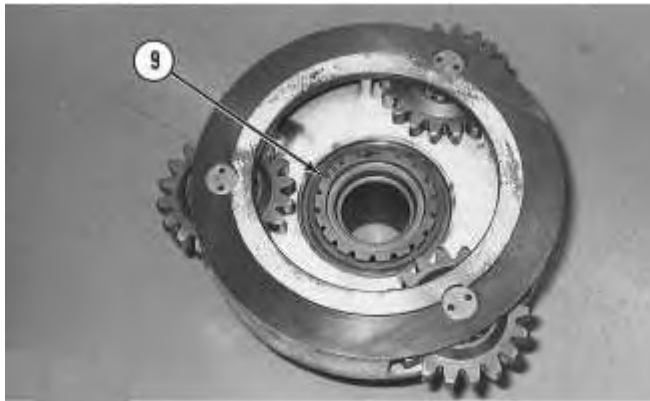


Illustration 6

8. Use Tooling (D) with a hoist in order to remove planetary carrier (8) with sun gear (7) from the hub. The weight of the planetary carrier and of the sun gear is approximately 46 kg (100 lb).

Note: There is a second sun gear in the center of the planetary carrier that is free to fall if the sun gear stays with the planetary carrier. See Step 15.

9. Turn over the carrier with the sun gear. Remove spiral ring (9) from sun gear (7) .
10. Use a hoist in order to remove planetary carrier (8) from sun gear (7). The weight of the planetary carrier is approximately 32 kg (71 lb).

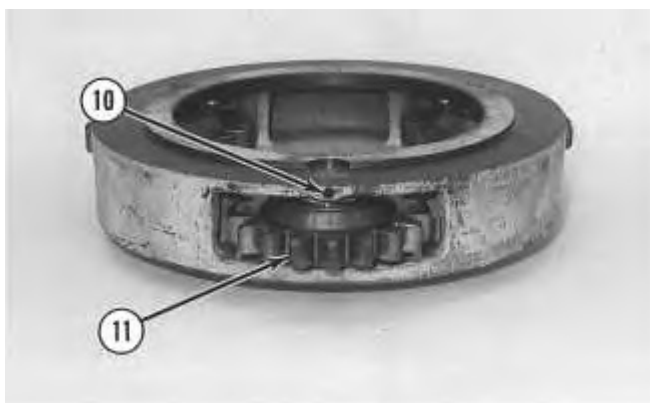


Illustration 7

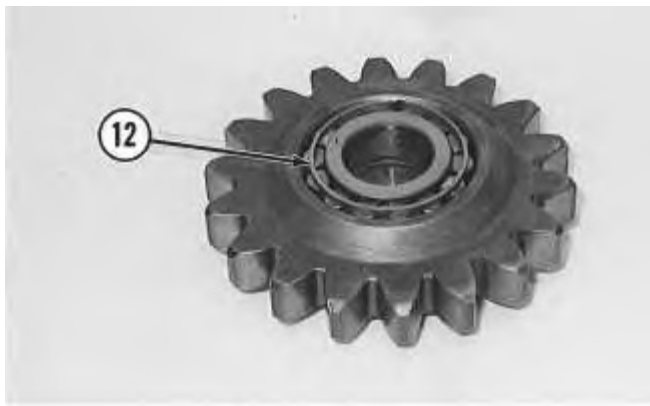


Illustration 8

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11. Use a hammer and a punch in order to drive roll pins (10) in the planetary gear shafts.
12. Use a press in order to remove the shafts. Remove the roll pins from the planetary gear shafts.
13. Remove gears (11) .
14. Remove bearings (12) from each sides of gears (11) .

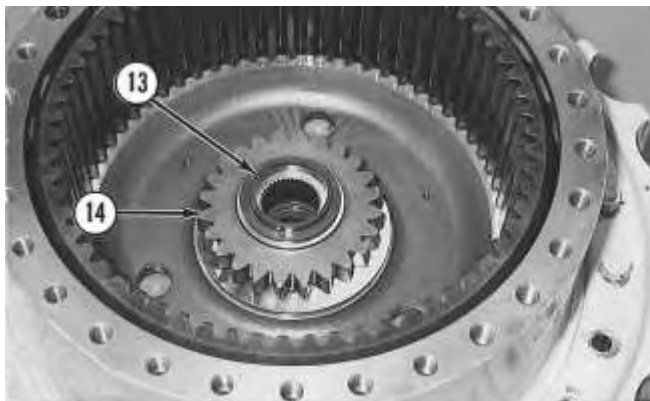


Illustration 9

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15. Remove ring (13) and sun gear (14) from the hub.
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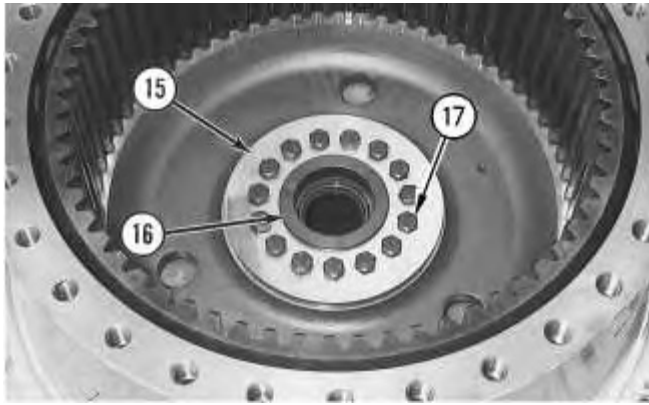


Illustration 10

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16. Remove bolts (16) and retainer (15). Use Tooling (E) and a press in order to remove ring (17) from retainer (15) .

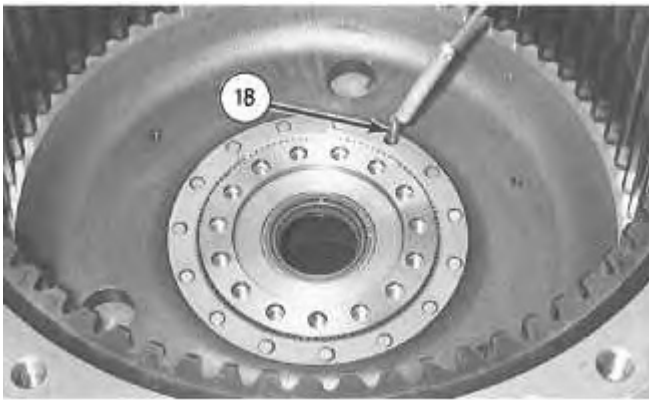


Illustration 11

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17. Use a magnet in order to remove pins (18) from the hub.



Illustration 12

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18. Use Tooling (F) with a hoist in order to remove hub (18) and ring gear (19). Remove Tooling (F). The hub and the ring gear as a unit weigh approximately 73 kg (160 lb).

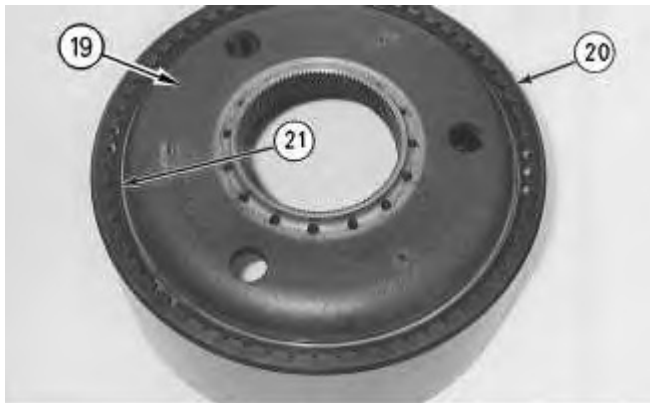


Illustration 13

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19. Turn over hub (18) and ring gear (19). Remove retainer (20) from the ring gear.
20. Remove hub (18) from ring gear (19). The hub weighs approximately 22 kg (48 lb).

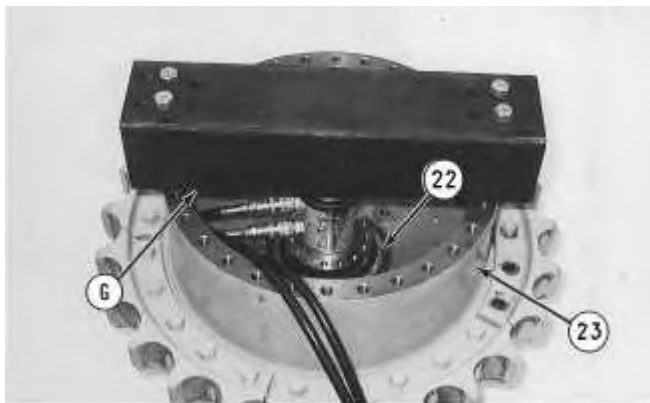
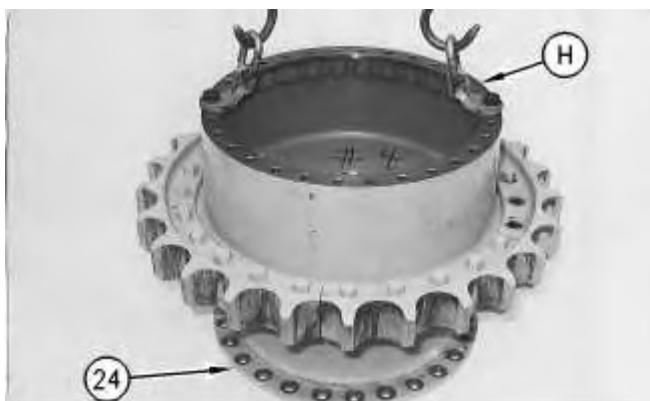


Illustration 14

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