



# Service Repair Manual

## **Models**

# D7R II TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D7R II TRACK-TYPE TRACTOR BNM

Configuration: D7R SERIES II TRACK-TYPE TRACTOR /FINGER TIP CONTROL/ BNM00001-UP (MACHINE) POWERED BY 3176C ENGINE

## Disassembly and Assembly D7R and D7R Series II Track-Type Tractors Power Train

Media Number -REN3657-02

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i02529031

## Final Drive - Disassemble

SMCS - 4050-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	3
B	1P-0510	Driver Group	1
C	8B-7548	Puller Assembly	1
	8H-0684	Ratchet Box Wrench	1
	8B-7554	Bearing Cup Puller Attachment	1
D	138-7573	Link Bracket	2
E	1P-0520	Driver Group	1
F	138-7573	Link Bracket	3
G	1P-0520	Driver Group	1
	6V-3160	Cylinder	1
	1D-4620	Bolt 3/4 inch -10 × 7 inch long	4
	FT-1934	Beam	1
	5P-8248	Washers	4
	4C-4865	Pump	1
H	138-7574	Link Bracket	2

**Start By:**

- a. Remove the final drives. Refer to Disassembly and Assembly, "Final Drive - Remove".

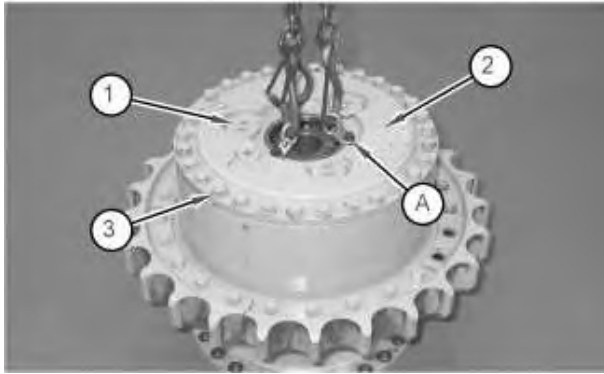


Illustration 1

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1. Attach Tooling (A) and a suitable lifting device to planetary carrier (2). The weight of planetary carrier (2) is approximately 105 kg (231 lb).
2. Remove bolts (3) and planetary carrier (2).
3. Remove bolts (1) and the O-ring seal from each of the plates.

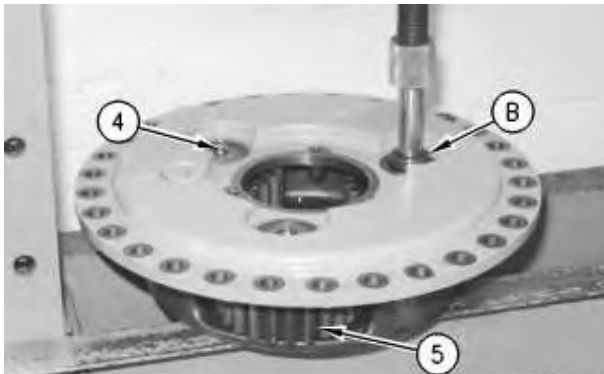


Illustration 2

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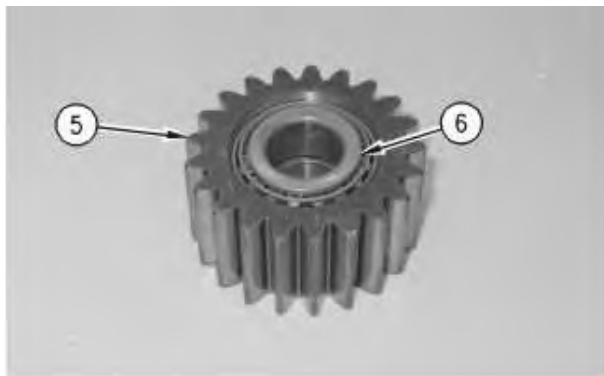


Illustration 3

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4. Use Tooling (B) and a suitable press in order to remove shafts (4).
5. Remove gears (5).
6. Remove bearing cones (6) from each side of gears (5).

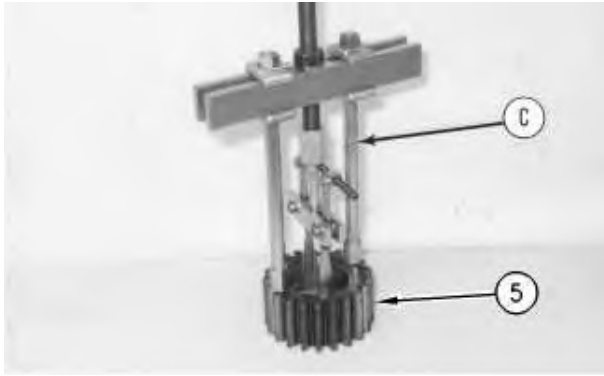


Illustration 4

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

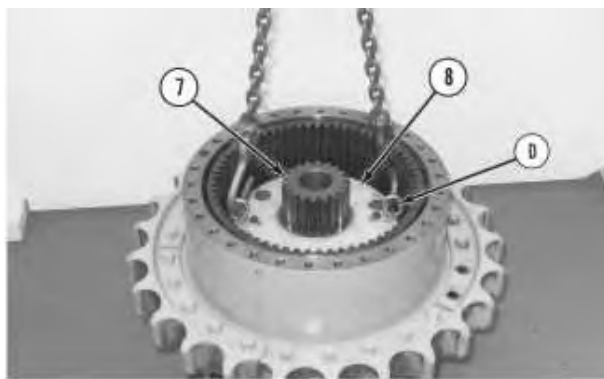


Illustration 5

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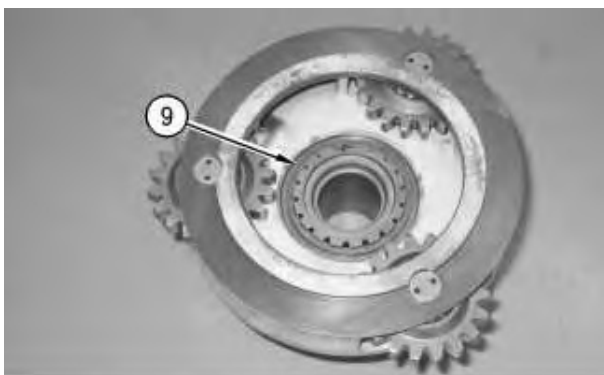


Illustration 6

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**NOTICE**

**There is a second sun gear that is shown in Step 15 in the center of the planetary carrier. The sun gear is free to fall if the gear stays with the planetary carrier.**

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8. Install Tooling (D) and a suitable lifting device to planetary carrier (8). The weight of planetary carrier (8) and sun gear (7) is approximately 46 kg (101 lb). Remove planetary carrier (8) and sun gear (7) as a unit.
9. Invert planetary carrier (8) and remove spiral ring (9) from sun gear (7).
10. Use a suitable lifting device in order to remove planetary carrier (8) from sun gear (7). The weight of planetary carrier (8) is approximately 32 kg (70 lb).

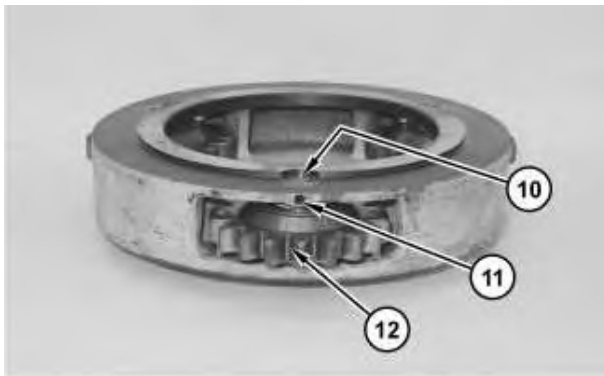


Illustration 7

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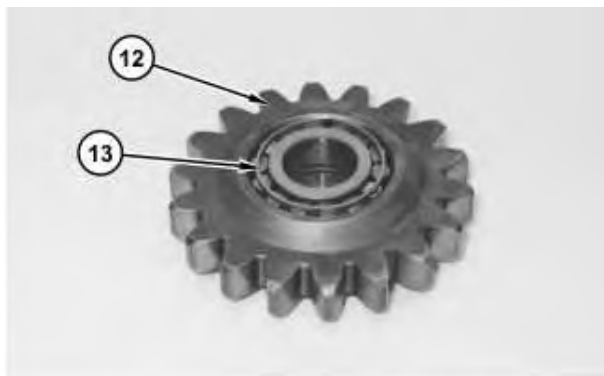


Illustration 8

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