



Service Repair Manual

Models

D7R TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D7R TRACK-TYPE TRACTOR 5MR

Configuration: D7R TRACTORS / POWERSHIFT / 5MR00001-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

i01008136

Final Drive - Assemble

SMCS - 4050-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	1P-0520	Driver	1
B	1U-6436	Seal Installer	1
	1U-6437	Seal Installer	1
C	138-7574	Link Bracket	1
D	8T-2827	Spacer	1
E	138-7573	Link Bracket	3
F	138-7573	Link Bracket	2
G	138-7575	Link Bracket	3

Note: Check the O-ring seals for wear and for damage. Replace the O-ring seals, if necessary.

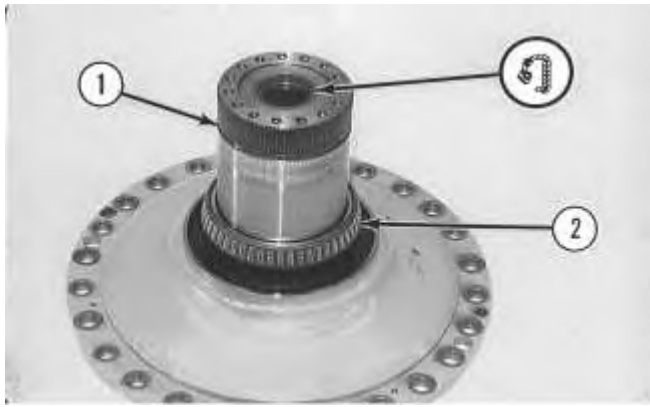


Illustration 1

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1. Use Tooling (A) in order to install the lip seal in hub (1). Apply clean oil to the lip of the seal.
2. Heat bearing cone (2) to a maximum temperature of 135 °C (275 °F). Install bearing cone (2) on hub (1) .



Illustration 2

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3. Use Tooling (B) in order to install the Duo-Cone seal on hub (1) .

Reference See the procedure in Disassembly and Assembly, "Duo-Cone Conventional Seals - Install" in this module.



Illustration 3

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4. Lower the temperature of bearing cups (3). Install the bearing cups in hub (4) .
5. Use Tooling (B) in order to install the Duo-Cone seal on hub (4) .

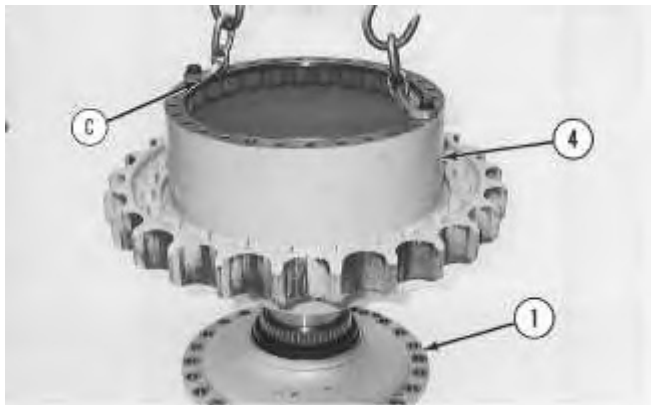
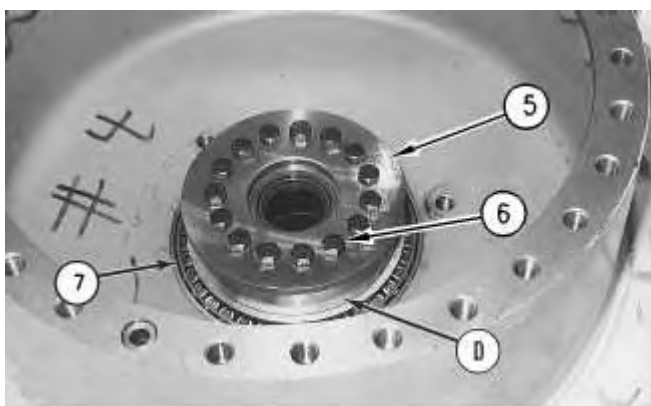


Illustration 4

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6. Attach Tooling (C) and use a hoist in order to install hub (4) on hub (1). The hub weighs approximately 260 kg (580 lb).



- Heat bearing cone (7) to a maximum temperature of 135 °C (275 °F). Install bearing cone (7) on the hub.
- Place Tooling (D) on the bearing cone. Install retainer (5) and bolts (6). Turn the hub as you tighten bolts (6) to a torque of 135 ± 15 N·m (100 ± 11 lb ft). Allow the bearing cone to return to room temperature. Then, remove the retainer and Tooling (D) .

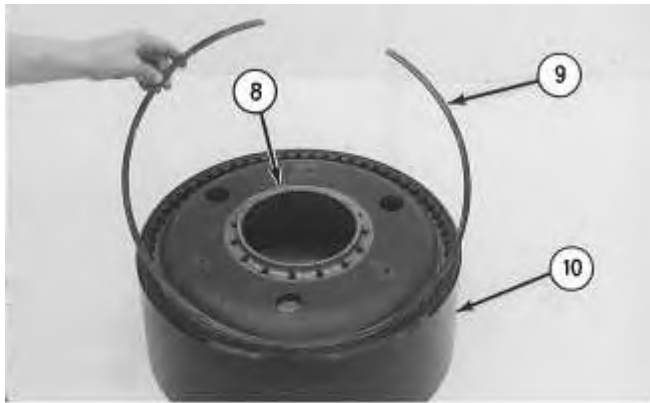


Illustration 6

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- Install hub (8) in ring gear (10). Install retainer (8). The hub weighs approximately 22 kg (48 lb).

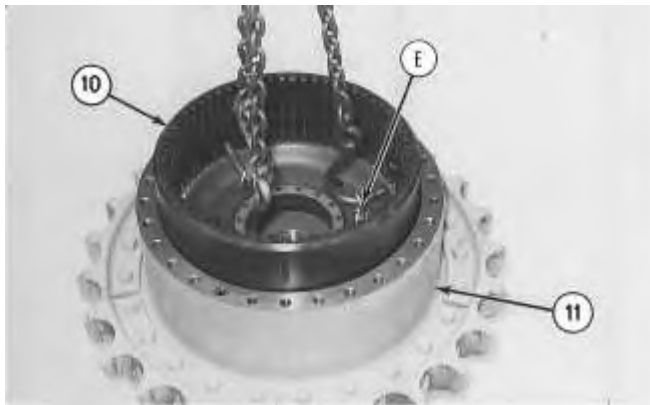


Illustration 7

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- Turn over the unit of hub (8) and of ring gear (9). Attach Tooling (E) and use a hoist in order to install the unit in hub (4). The hub and the ring gear as a unit weigh approximately 73 kg (160 lb).
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