

Product: TRACK-TYPE TRACTOR

Model: D6M TRACK-TYPE TRACTOR 5WR

Configuration: D6M Track-Type Tractor Power Shift 5WR00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly

D6M Track-Type Tractor Power Train

Media Number -SEN9482-04

Publication Date -01/01/2011

Date Updated -31/01/2011

i04026193

Final Drive - Assemble

SMCS - 4170-077

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	3
E	1P-0520	Driver Gp	1
F	1U-6436 or 1U-6437	Duo-Cone Seal Installer As	1
G	138-7575	Link Bracket	2
H	8T-3225	Spacer	1

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

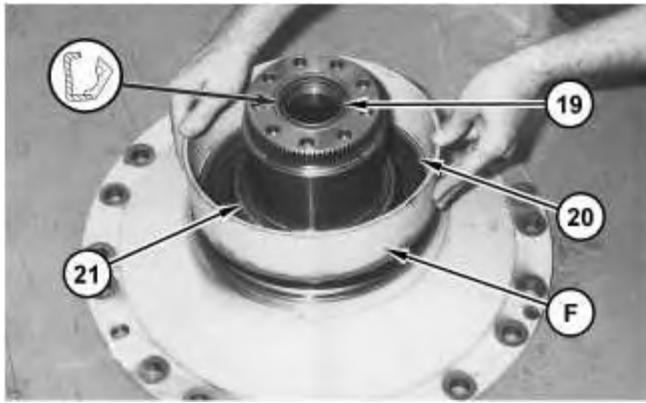


Illustration 1

g02211113

1. Use Tooling (E) to install seal (19) in the spindle. Install the seal with the lip upward, as shown.
2. If bearing cone (21) was removed, raise the temperature of the bearing cone to a maximum temperature of 120°C (248°F), and install the bearing cone on the spindle.
3. Use Tooling (F) to install Duo-Cone seal (20) on the hub.



Illustration 2

g02210855

4. If bearing cups (18) were removed from the hub, lower the temperature of the bearing cups. Install bearing cups (18) in the hub.
5. Use Tooling (F) to install Duo-Cone seal (17) in the hub.

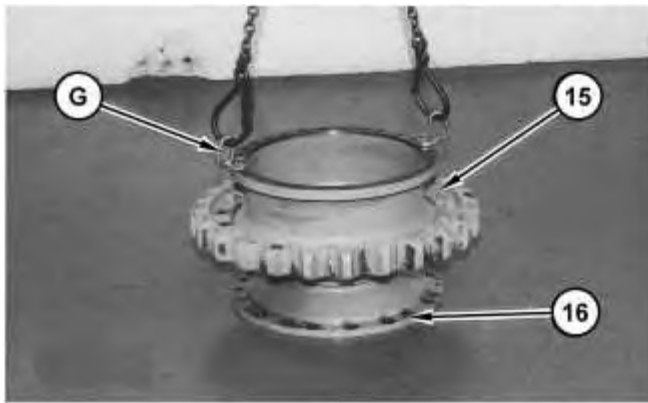


Illustration 3

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6. Attach a suitable lifting device and Tooling (G) to hub (15) . The weight of the hub is approximately 159 kg (350 lb). Lower hub (15) in position on spindle (16) .



Illustration 4

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7. Raise the temperature of bearing cone (14) to a maximum temperature of 120°C (248°F). Install bearing cone (14) on the spindle.

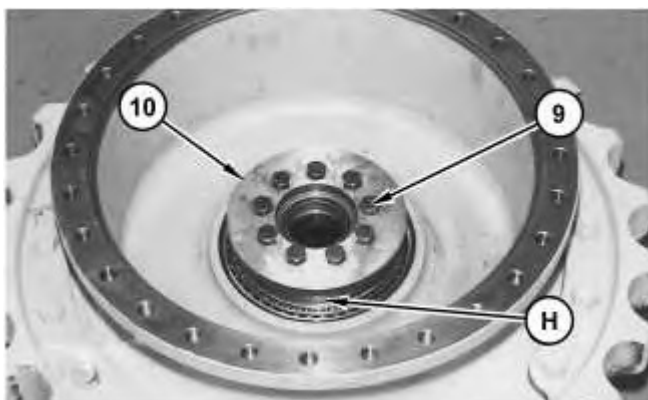


Illustration 5

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Note: If Tooling (H) is not available or does not fit the spindle, skip to Step 10. Use hub (12) to press bearing cone (14) into position. Press hub (12) until the surface of hub (12) is even with the surface on the spindle.

8. While bearing cone (14) is still hot, place Tooling (H) in position. Install retainer (10) and bolts (9) . Tighten bolts (9) to a torque of $135 \text{ N}\cdot\text{m} \pm 15 \text{ N}\cdot\text{m}$ ($100 \text{ lb ft} \pm 11 \text{ lb ft}$).
9. After bearing cone (14) has cooled, remove the retainer and Tooling (H) .

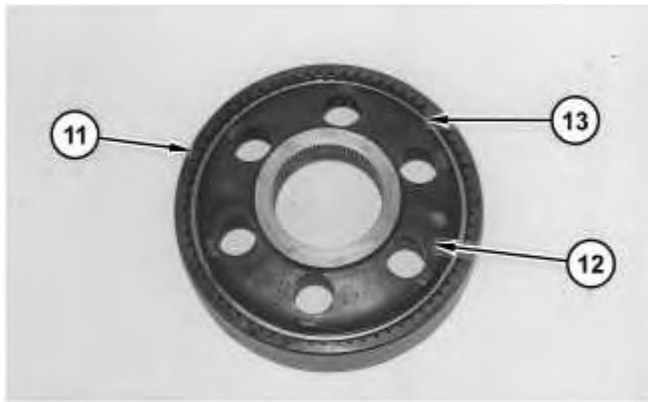


Illustration 6

g02211154

10. Put hub (12) in position in gear (11) . Install ring (13) .



Illustration 7

g02210775

11. Attach a suitable lifting device to hub (12) . Put hub (12) and gear (11) in position on the spindle as an assembly. The weight of the gear and the hub is approximately 34 kg (75 lb).
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Illustration 8

g02211196

12. Install retainer (10) and bolts (9) . Tighten bolts (9) to a torque of $135 \text{ N}\cdot\text{m} \pm 15 \text{ N}\cdot\text{m}$ ($100 \text{ lb ft} \pm 11 \text{ lb ft}$).
13. Use a feeler gauge to verify that there is metal to metal contact between retainer (10) and the spindle.

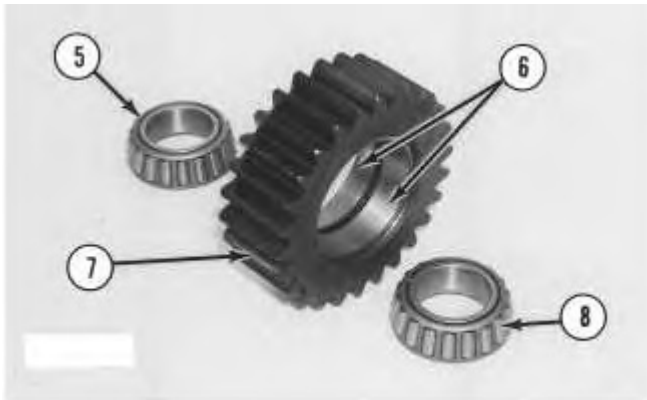


Illustration 9

g00710936



Illustration 10

g02211234

14. If bearing cups (6) were removed from gear (7) , lower the temperature of bearing cups (6) . Install bearing cups (6) in gear (7) .
15. Put bearing cones (8) and (5) in position in gear (7) .
16. Put the bearing cones and gear (7) in position in carrier (1) . Lower the temperature of shaft (4) . Use a suitable press to install shaft (4) in carrier (1) . Install shaft (4) until the end of shaft (4) is even with the outside surface of carrier (1) .

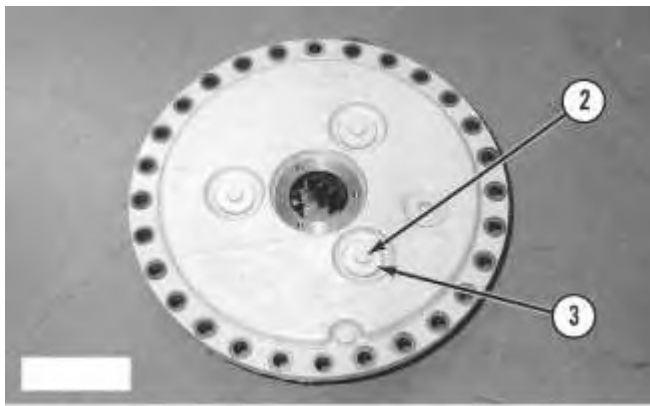


Illustration 11

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17. Install retainers (3) and bolts (2) . There must be a metal to metal contact between retainers (3) and the shafts.

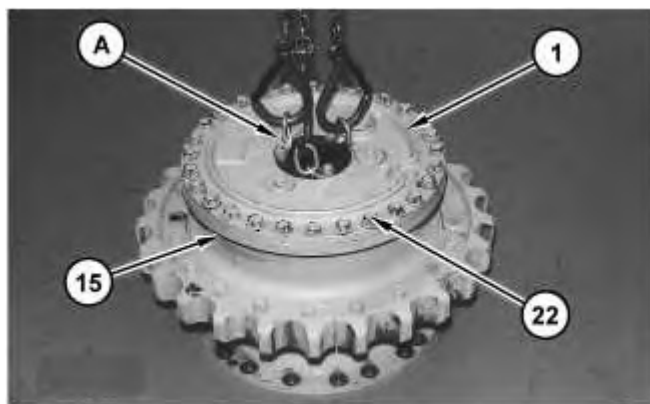


Illustration 12

g02211253

18. Attach a suitable lifting device and Tooling (A) to carrier (1) . The weight of the carrier is approximately 98 kg (215 lb). Put carrier (1) in position in hub (15) . Install bolts (22) .

End By: Install the final drives. Refer to Disassembly and Assembly, "Final Drive - Install".

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Disassembly and Assembly

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i00964538

Final Drive - Install

SMCS - 4170-077

Installation Procedure

Table 1

Tools Needed	A
8T-3207 Lifting Bracket	1
5P-8622 Shackle	1
1D-4612 Bolt 3/4 inch - 10 NC x 4 inch (102 mm)	2
9S-9076 Spacer	2



Illustration 1

g00710570

1. Put O-ring (8) in position on the steering clutch and the brake housing.

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