

Product: TRACK-TYPE TRACTOR

Model: D6M TRACK-TYPE TRACTOR 4JN

Configuration: D6M TRACK-TYPE TRACTOR XL, LGP 4JN00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly D6M Track-Type Tractor Power Train

Media Number -SEN8387-06

Publication Date -01/11/2010

Date Updated -31/07/2018

i04026196

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	3
B	1P-0510	Driver Group	1
C	1P-0520	Driver Group	1
	4C-4865	Hand Hydraulic Pump	1
	FT-1934	Beam	1
	6V-3160	Hydraulic Cylinder	1
	5F-7353	Washer	4
	-	Bolt (20 mm by 200 mm)	4
D	138-7574	Link Bracket	3

Start By:

- Remove the final drives. 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 help to prevent dirt from entering the internal mechanism. Dirt and contaminants can damage the precision components. All Disassembly and Assembly procedures must be performed on a clean work surface. Clean

all the interior components in clean solvent. Dry all the interior components with compressed air. Plug ports and plug hoses on the machine during repair.



Illustration 1

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1. Remove the bolts that hold carrier (1) to the hub.
2. Attach a suitable lifting device and Tooling (A) to carrier (1). Remove the carrier. The weight of the carrier is approximately 98 kg (215 lb). Remove the O-ring seal from the carrier.

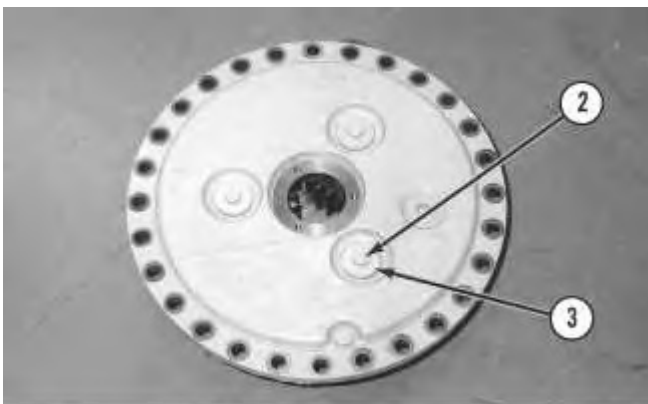
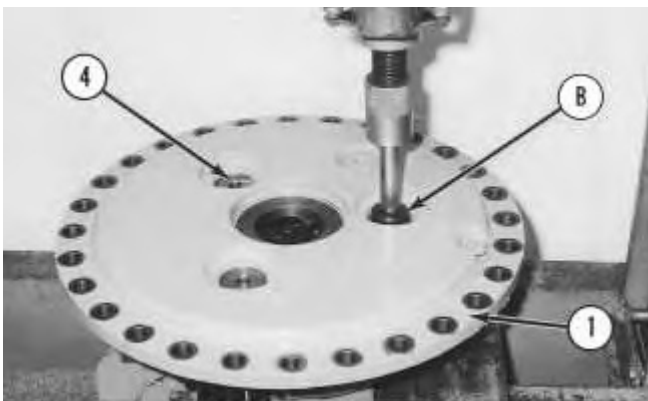


Illustration 2

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3. Remove bolts (2) and retainers (3).



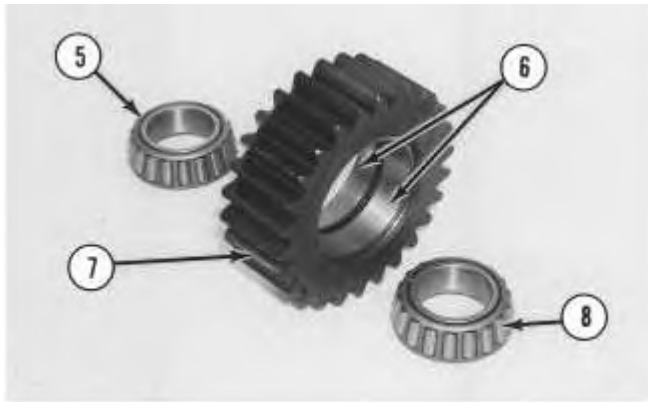


Illustration 4

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4. Use a suitable press and Tooling (B) in order to push shafts (4) out of carrier (1).
5. Remove gear (7) and bearing cones (5) and (8) from the carrier.
6. If necessary, remove bearing cups (6) from gear (7).

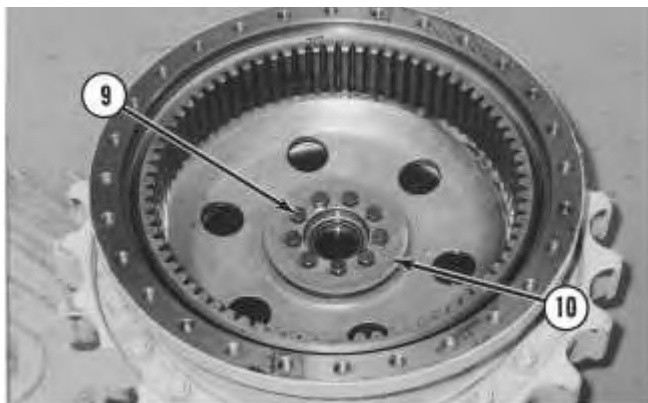


Illustration 5

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7. Remove bolts (9) and retainer (10).



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



Illustration 7

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9. Remove ring (13) and hub (12) from gear (11).

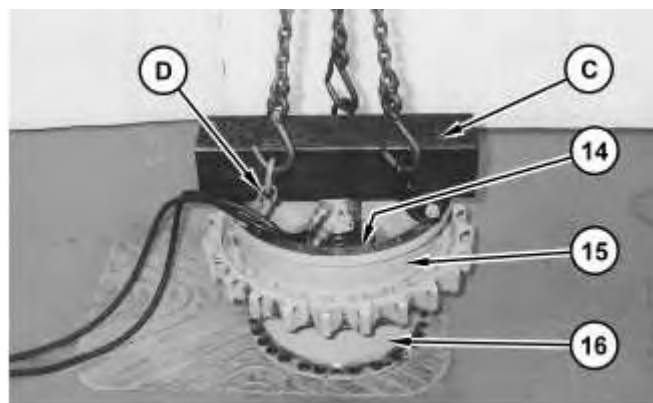


Illustration 8

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Note: Do not lift the hub too high. The hub must not contact the fittings on the hydraulic cylinder.

10. Install Tooling (C), as shown.
11. Raise the temperature of bearing cone (14) to a maximum temperature of 120°C (248°F). Use Tooling (C) to remove bearing cone (14) from the spindle.
12. Remove Tooling (C) and the bearing cone.
13. Attach a suitable lifting device and Tooling (D) to hub (15). Remove the hub from spindle (16). The weight of the hub is approximately 159 kg (350 lb).



Illustration 9

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14. Remove Duo-Cone seal (17) from the hub.
15. If necessary, remove bearing cups (18) from the hub.

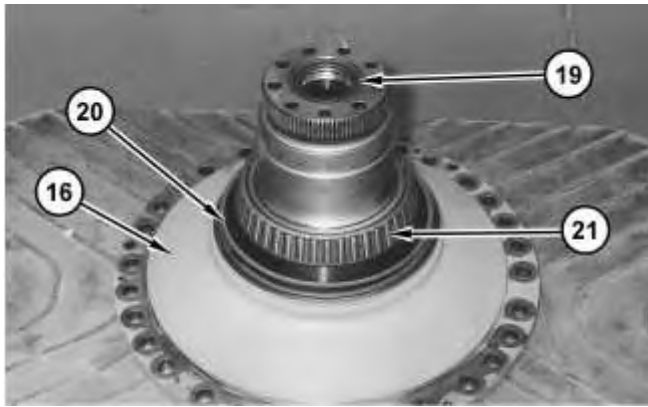


Illustration 10

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16. Remove Duo-Cone seal (20) and seal (19) from spindle (16).
17. Remove bearing cone (21) from the spindle.

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Disassembly and Assembly

D6M Track-Type Tractor Power Train

Media Number -SEN8387-06

Publication Date -01/11/2010

Date Updated -31/07/2018

i04026199

Final Drive - Assemble

SMCS - 4050-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	3
B	1P-0510	Driver Gp	1
D	138-7574	Link Bracket	3
E	1P-0520	Driver Gp	1
F	8T-5289	Spacer	1
G	1U-6436 or 1U-6437	Duo-Cone Seal Installer As	1
H	1U-6396	O-Ring Assembly Compound	-

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. Dirt and other contaminants can damage the precision components. All disassembly and all assembly procedures must be performed on a clean work surface and in a clean area. Keep cleaned parts covered and protected at all times.

Note: O-ring seals, gaskets, and seals should always be replaced. A used O-ring may not have the same sealing properties as a new O-ring seal. A reconditioning procedure should

not be degraded because of a low-cost component such as an O-ring seal or a gasket. Use Tooling (H) during the assembly procedure.



Illustration 1

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1. Use Tooling (E) in order to install seal (19) in spindle (16). The lip of the seal must face upward, as shown.

Note: Make sure that the lip of seal (19) is not damaged during the installation of the axle.

2. Raise the temperature of bearing cone (21) to a maximum temperature of 120°C (248°F) and install bearing cone (21) on spindle (16).

Note: Before installing any of the Duo-Cone seals, refer to Disassembly and Assembly, "Duo-Cone Floating Seals - Install".

3. Use Tooling (G) in order to install the Duo-Cone seal on spindle (16).



Illustration 2

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4. Lower the temperature of bearing cups (18) and install bearing cups (18) in the hub.
 5. Use Tooling (G) in order to install Duo-Cone seal (17) in the hub.
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