

Product: TRACK-TYPE TRACTOR

Model: D6T TRACK-TYPE TRACTOR DJG

Configuration: D6T TRACK-TYPE TRACTOR XL VPAT, XW VPAT, LGP VPAT Differential Steering DJG00001-UP (MACHINE) POWERED BY C9 Engine

## Disassembly and Assembly D6T Track-Type Tractor Power Train

Media Number -KENR5126-07

Publication Date -01/01/2013

Date Updated -25/07/2018

i02616781

# Final Drive Planetary Carrier (In Chassis) - Remove

SMCS - 4092-011

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A		Guide Bolts 3/4 - 10 by 10 in long	2
B	138-7574	Link Bracket	1

**Note:** Position the final drive drain plug on the bottom of the final drive. Remove the drain plug.

**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.

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### NOTICE

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.**

**Dispose of all fluids according to local regulations and mandates.**

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1. Remove the axle. Refer to Disassembly and Assembly, "Axle - Remove and Install".
  2. Drain the oil from the final drive into a suitable container for storage or disposal. The capacity of the final drive is 13.5 L (3.57 US gal).
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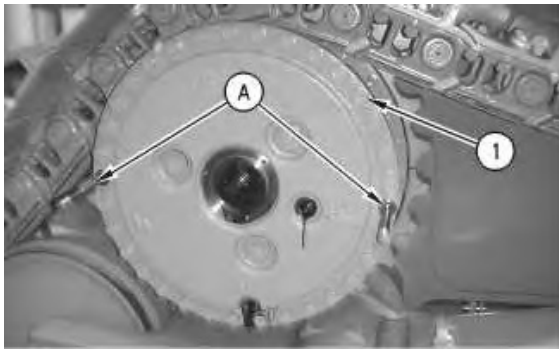


Illustration 1

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3. Remove two bolts (1) and install Tooling (A). Remove the remaining bolts (1).
4. Use a bar to separate the carrier from the housing.

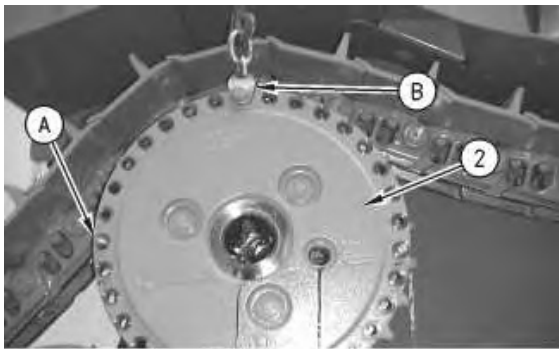


Illustration 2

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5. Attach Tooling (B) to carrier (2). Attach a suitable lifting device to Tooling (B). Remove carrier (2). The weight of carrier (2) is approximately 86 kg (190 lb).



Illustration 3

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6. Remove seal (3).

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i02409670

# Final Drive Planetary Carrier (In Chassis) - Install

SMCS - 4092-012

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A		Guide Bolts 3/4 - 10 by 10 in long	2
B	138-7574	Link Bracket	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

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1. Install seal (3).

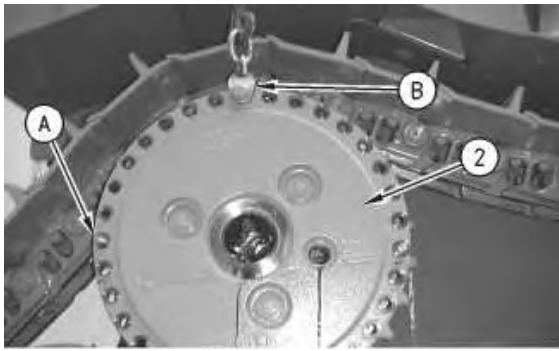


Illustration 2

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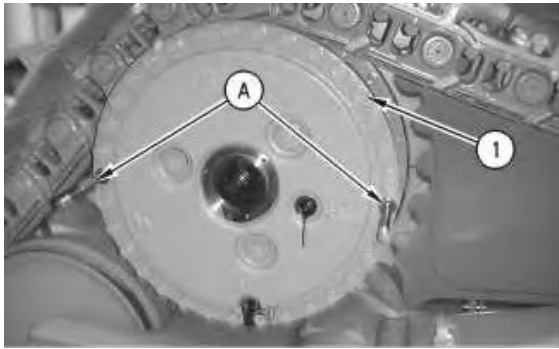


Illustration 3

g00865478

2. Attach Tooling (B) to carrier (2). Attach a suitable lifting device to Tooling (B). Install Tooling (A). Install carrier (2) on Tooling (A). Remove Tooling (B). The weight of carrier (2) is approximately 86 kg (190 lb).
3. Install bolts (1). Remove Tooling (A) and install remaining bolts (1).
4. Fill the final drive with oil. Refer to Operation and Maintenance Manual, "Final Drive Oil - Change" for the correct procedure. The capacity of the final drive is 13.5 L (3.57 US gal).

**End By:**

- a. Install the axle. Refer to Disassembly and Assembly, "Axle - Remove and Install".

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i02616790

# Final Drive, Steering Planetary, and Brake (Right Side) - Remove

SMCS - 4050-011-RI; 4132-011-RI

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8T-3207	Lift Bracket	1
B		5/8 - 11 by 2 bolts	2

### Start By:

- Separate the track. Refer to Disassembly and Assembly, "Track - Separate".
- Remove the axle. Refer to Disassembly and Assembly, "Axle - Remove and Install".

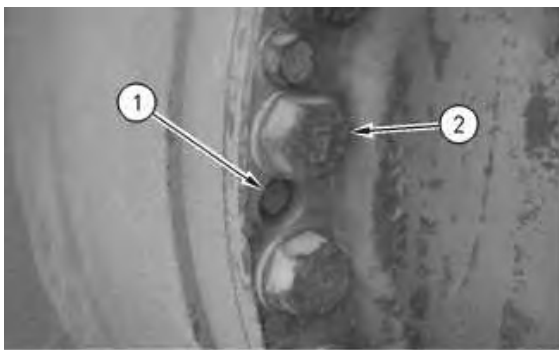


Illustration 1

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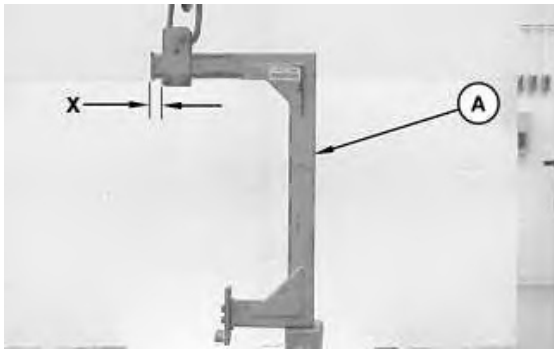


Illustration 2

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Illustration 3

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1. Remove two sprocket segment bolts. Install Tooling (A). Adjust Tooling (A) so dimension (X) is 76 mm (3.0 inch) from the end of the bracket.
2. Remove bolts (1). Remove bolts (2). Remove the final drive, the steering clutch, and brake (3). The weight of the final drive, the steering clutch, and brake (3) is approximately 590 kg (1300 lb).

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i04905904

# Steering Planetary and Brake - Disassemble

SMCS - 4132-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	138-7575	Link Bracket	3
B	1P-0520	Driver Group	1
C	5B-4274	Forcing Bolt 3/8 - 16 by 3.5 inches	3

### Start By:

- A. Remove the right hand final drive, the planetary group, and the brake. Refer to Disassembly and Assembly, "Final Drive, Steering Planetary, and Brake (Right Side) - Remove".

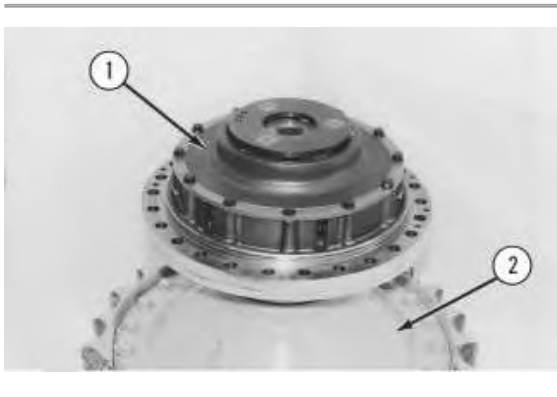


Illustration 1

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1. Position the final drive, the planetary group, and the brake, as shown.
2. Remove the bolts that hold the planetary group and brake (1) to final drive (2). The bolts are on the bottom (not shown).
3. Attach Tooling (A) and a suitable lifting device to the planetary group and brake.

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