



Service Repair Manual

Models

D6T TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6T TRACK-TYPE TRACTOR SGZ

Configuration: D6T XL, XW, LGP Track-Type Tractor SGZ00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly D6T Track Type Tractor Power Train

Media Number -M0073303-04

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i07433206

Bevel and Transfer Gears - Disassemble

SMCS - 3011-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	422-5474	Lifting Eye Assembly	3
B	154-6182	Forcing Bolt	2
C	439-3940	Bracket As	1
D	8H-0663	Bearing Puller	1
E	456-4371	Lever Hoist	1
F	8T-2839	Wrench	1
G	126-7175	Push-Puller Tool Gp	1
	4C-5660	Adapter	2
	1P-0510	Driver Gp	1
H	-	Forcing Bolt (1/4 inch x 20)	1
J	1U-6400	Three Jaw Puller	1

Start By:

- a. Separate the transmission and bevel gears.

Note: Place identifying marks on all the shims as the shims are removed. The identifying marks will ensure correct installation at assembly.

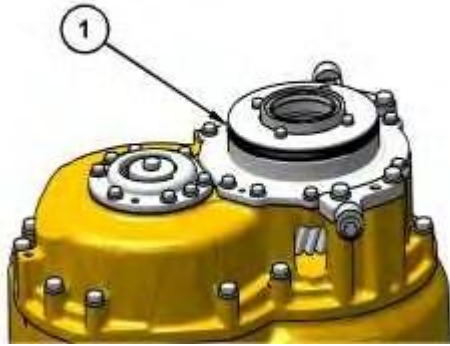


Illustration 1

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1. Remove toric ring (1).



Illustration 2

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Illustration 3

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2. Remove bolts (3) and roller bracket assembly (2). Repeat for the roller bracket assembly on the opposite side.
3. Remove bolt (4) and retainer (5).

4. Remove and discard bolts (6) that hold transfer case (7) to the transmission case.
5. Install Tooling (A) and a suitable lifting device to transfer case (7). The weight of transfer case (7) is approximately 118 kg (260 lb).
6. Remove transfer case (7).



Illustration 4

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7. Remove bolts (9) that hold bearing cage (8) to transfer case (7).

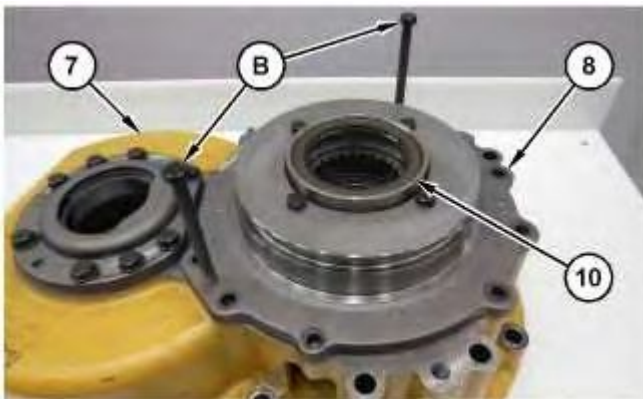


Illustration 5

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8. Install Tooling (B) in the locations shown in Illustration 5. Tighten Tooling (B) evenly.
 9. Remove bearing cage (8) and the shims from transfer case (7).
 10. Remove seal (10).
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Illustration 6

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NOTICE

Bearing cup (11) and bearing (12) will be damaged if removed.

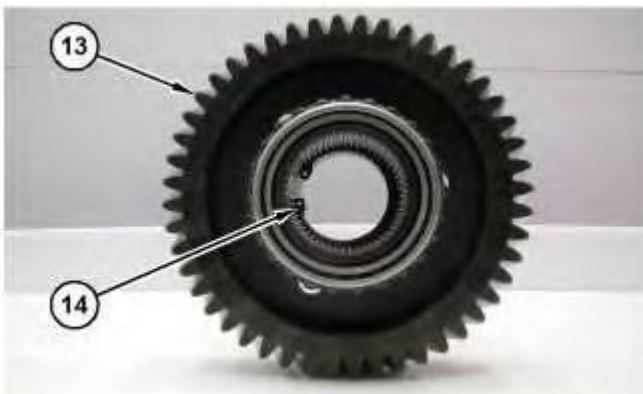
11. If necessary, remove bearing cup (11) and bearing (12) from bearing cage (8).



Illustration 7

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12. Remove transfer gear (13) from transfer case (7).



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