



Service Repair Manual

Models

D6T XL TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6T XL TRACK-TYPE TRACTOR GMK

Configuration: D6T TRACK-TYPE TRACTOR XL, XW, LGP, Differential Steering GMK00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly D6T Track-Type Tractor Power Train

Media Number -KENR8911-03

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i04242189

Transmission - Disassemble

SMCS - 3030-015

S/N - DTD1-UP

S/N - GMK1-UP

S/N - KSB1-UP

S/N - RCW1-UP

S/N - SLJ1-UP

S/N - ZJB1-UP

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7575	Link Bracket	3
C	1P-1864	Retaining Ring Pliers As	1
D	136-1452	Internal Tip Pliers	1
E	FT-0947	Spring Compressor	2
F	FT-0833	Spring Compressor	2
G	138-7573	Link Bracket	3
H	3K-4897	Spring Pin	8
J	9U-7479	Compressing Tube	1

Start By:

- a. Separate the transmission and bevel gears.

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.

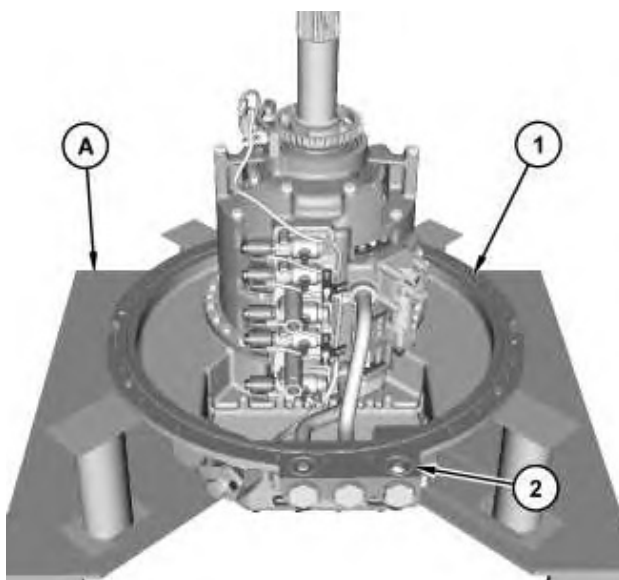
Dispose of all fluids according to local regulations and mandates.

Note: The transmission modulating valves must be recalibrated if any of the following procedures are performed:

- The transmission modulating valve and/or the solenoid is replaced.
- The transmission is serviced or the transmission is replaced.
- The electronic control module is replaced.

Reference: Refer to Testing and Adjusting, "Calibration".

Note: The friction discs and the clutch plates from the individual clutches must be kept in the correct order. The friction discs and the clutch plates must be kept with the original clutch housings. The different clutches use different friction material. The friction discs and the clutch plates must not be mixed together.



1. Secure the transmission onto Tooling (A). The weight of the transmission is approximately 458 kg (1010 lb). Mark all the housings for alignment during the assembly procedure.
2. Remove O-ring seal (1) and O-ring seals (2) from the transmission cover.

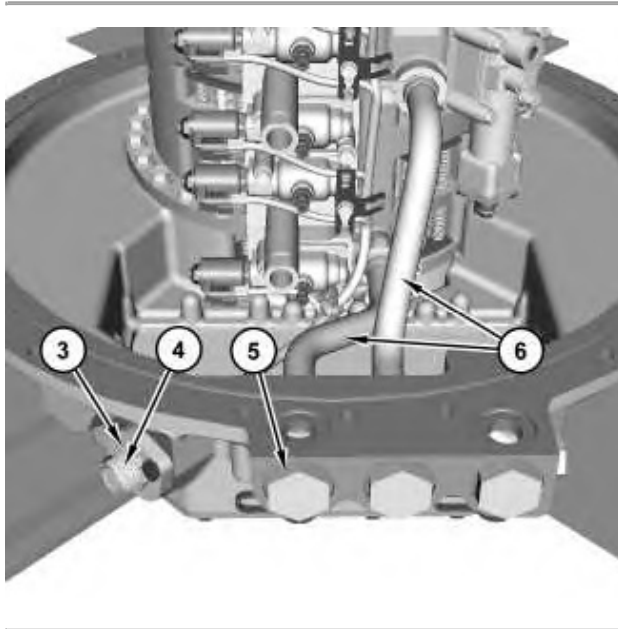


Illustration 2

3. Remove fittings (5) and the O-ring seals.
4. Remove tube assemblies (6) and the O-ring seals.
5. Remove locknut (3). Push connector (4) into the case.

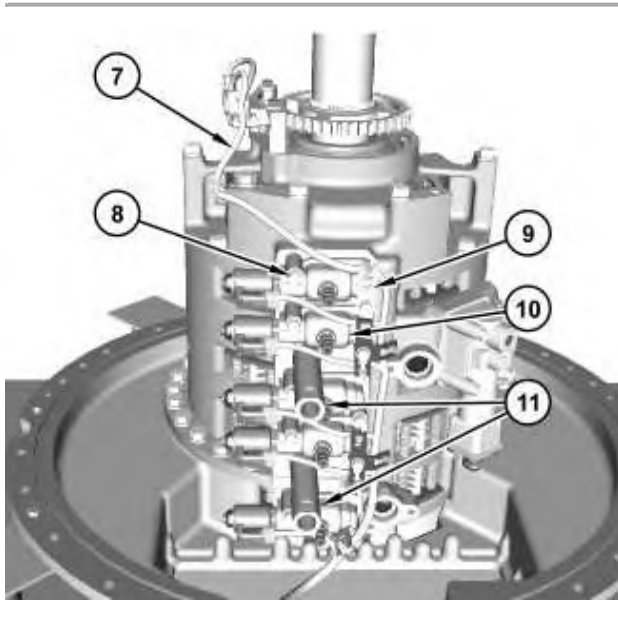


Illustration 3

6. Disconnect and remove harness assembly (7).

7. Remove bolts (8), retainers (9), and valve assemblies (10).
8. Remove drain assemblies (11).

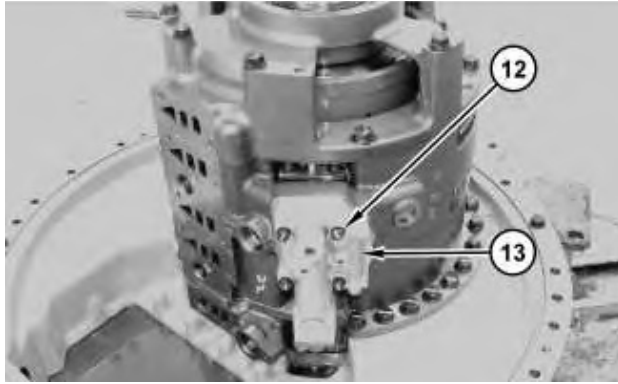


Illustration 4

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9. Remove bolts (12) and valve assembly (13).

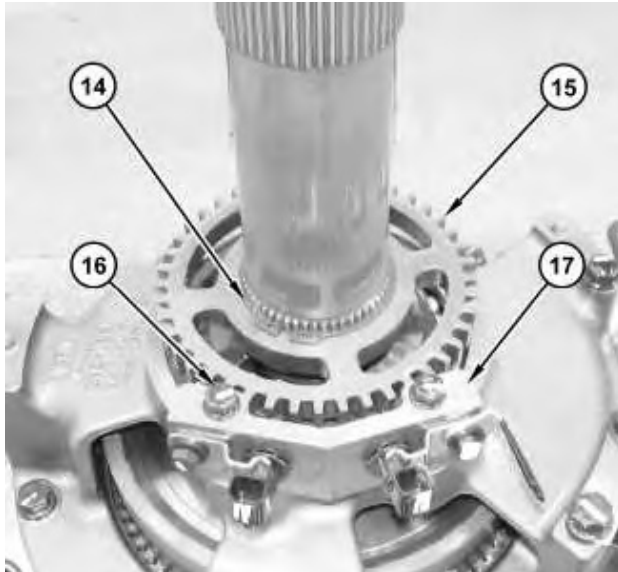


Illustration 5

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10. Use Tooling (C) in order to remove retaining ring (14). Remove rotor (15).
 11. Remove bolts (16) and bracket assembly (17).
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