



Service Repair Manual

Models

D6R II TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6R II TRACK-TYPE TRACTOR BPS

Configuration: D6R SERIES II TRACK-TYPE TRACTOR /FTC XL/ BPS00001-00500 (MACHINE) POWERED BY C-9 ENGINE

Disassembly and Assembly D6R Series II Track-Type Tractor Power Train

Media Number -REN4257-03

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i01996480

Transmission - Disassemble

SMCS - 3030-015

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	5P-5197	Retaining Ring Pliers	1
D	5P-4758	Internal Pliers	1
E	FT-0947	Spring Compressor	2
F	138-7574	Link Bracket	2
G	FT-0833	Spring Compressor	2
H	138-7575	Link Bracket	2
J	3K-4897	Spring Pin	8

Start By:

- a. Separate the transmission and bevel gear. Refer to Disassembly and Assembly, "Transmission and Bevel Gears - Separate".

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 replaced.
- The ECM is replaced.

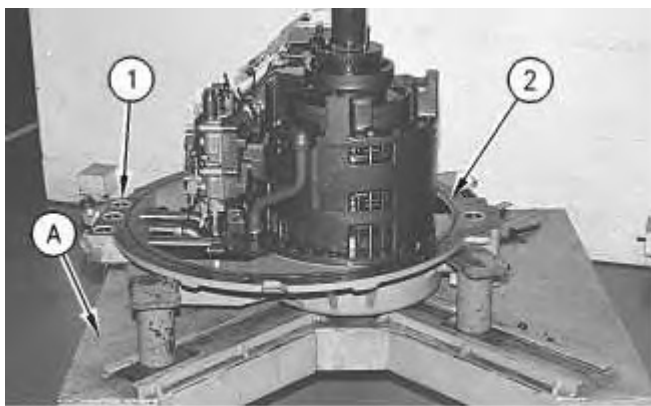


Illustration 1

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1. Put the transmission in the correct position on Tooling (A). Put marks on all the housings for alignment during the assembly procedure.
2. Remove small O-ring seals (1) and large O-ring seal (2) from the transmission cover.

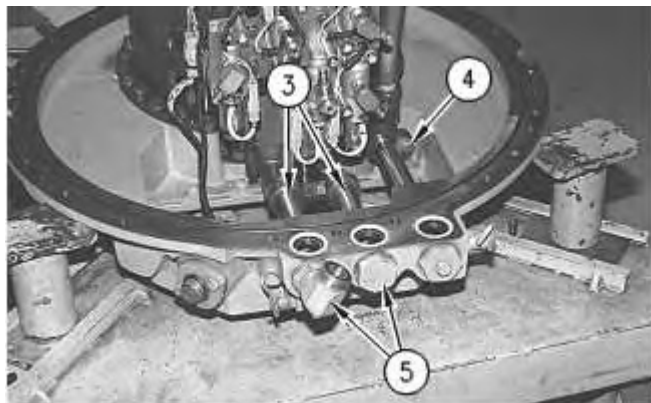


Illustration 2

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3. Remove the plugs and fitting (5).
 4. Remove the bolts and retainers (4).
 5. Remove tubes (3) and the seals from the tubes.
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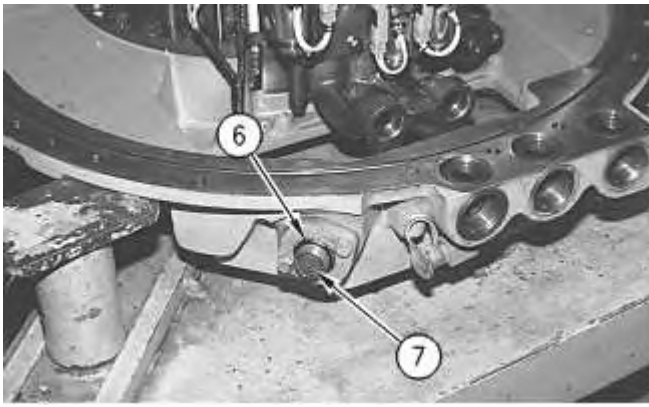


Illustration 3

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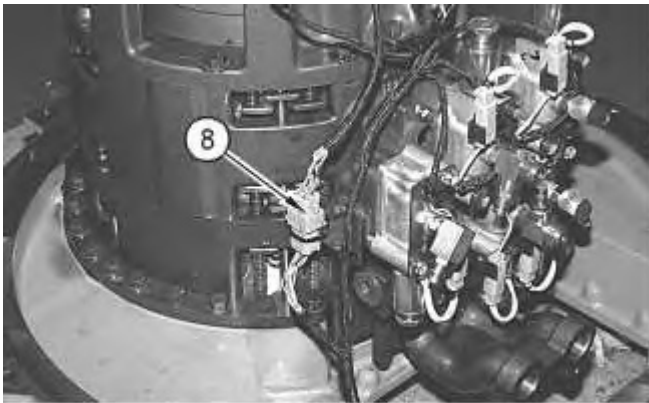


Illustration 4

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6. Remove locknut (6). Push connector (7) out of the case.
7. Disconnect harness assembly (8).

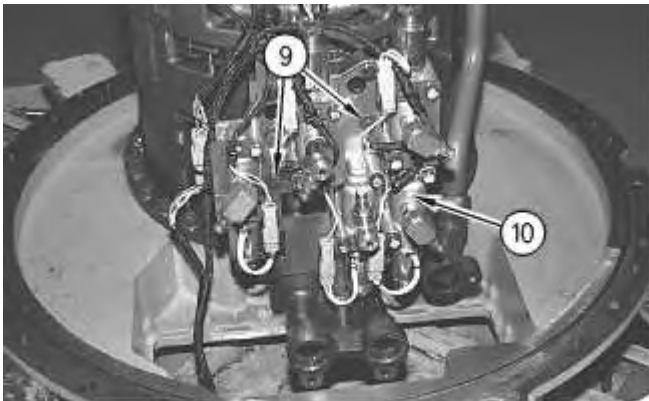


Illustration 5

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8. Remove 9/16 inch bolts (9) and control valve (10).

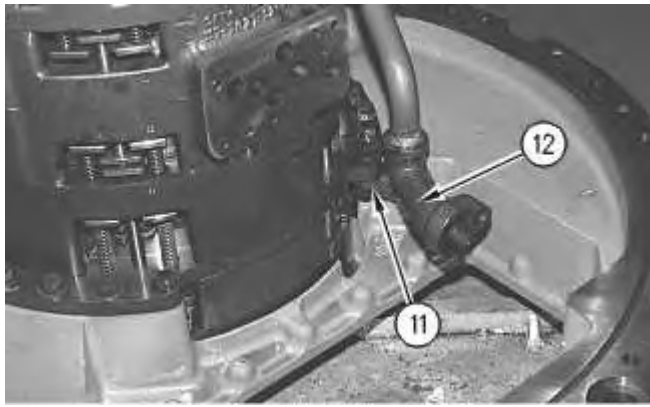


Illustration 6

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9. Remove bolt (11) and tube assembly (12).
10. Remove the O-ring seal from tube assembly (12).



Illustration 7

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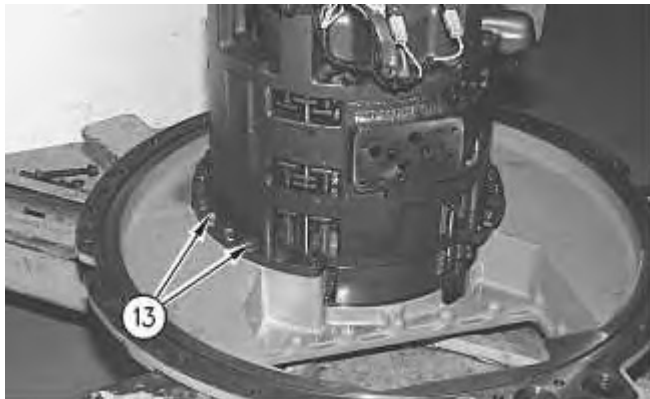


Illustration 8

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11. Attach Tooling (B) and a suitable lifting device to the planetary group. Remove bolts (13) that hold the planetary group to the transmission cover. Remove the planetary group. The weight of the planetary group is approximately 341 kg (751.8 lb).

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