



Service Repair Manual

Models

D7H TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D7H TRACK-TYPE TRACTOR 79Z

Configuration: D7H & D7H LGP TRACTORS / POWER SHIFT / 79Z00001-03999 (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly D7H TRACTOR POWER TRAIN

Media Number -SEN4176-01

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SEN41760041

Transmission (Power Shift)

SMCS - 3150-015; 3150-016

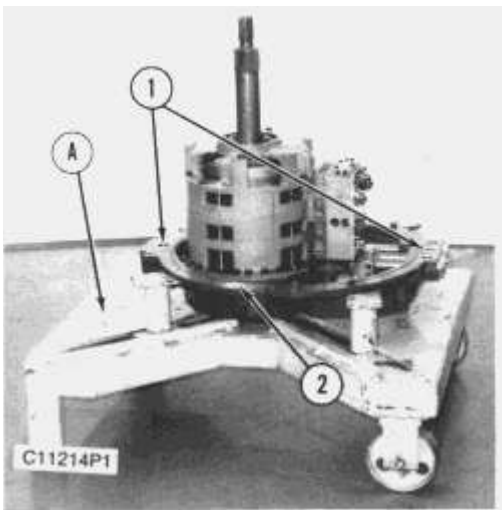
Disassemble Transmission (Power Shift)

Tools Needed		A	B	C	D	E	F	G
1P2420	Transmission Repair Stand	1						
6V2156	Link Bracket		1					
5P9736	Link Bracket			3				
5P5197	Retaining Ring Pliers				1			
5P4758	Retaining Ring Pliers					1		
FT947	Spring Compressor						2	
2D1201	Forged Eyebolt, 5/8"							2

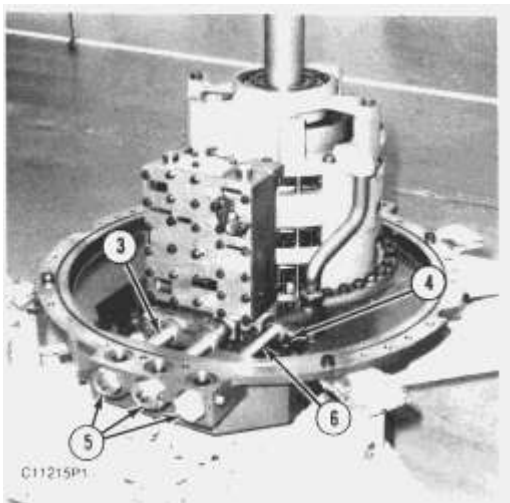
Tools Needed		H	J	K
5P9736	Link Bracket		2	
FT833	Spring Compressor	2		
3K4897	Spring Pins, 1/8"			8

Start By:

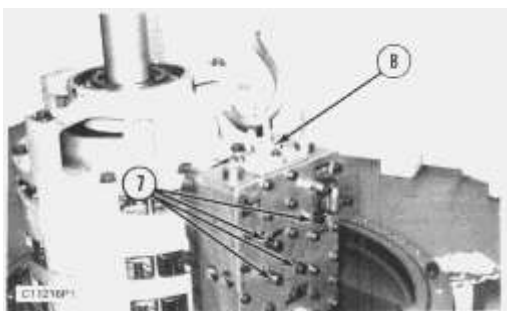
- a. separate transmission and bevel gear



1. Put transmission in position on tooling (A). Put alignment marks on all of the housings for assembly purposes.
2. Remove three small O-ring seals (1) and large O-ring seal (2) from the transmission cover.

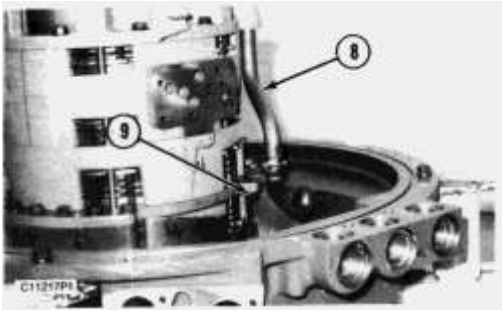


3. Remove plugs (5) and the springs behind them.
4. Remove bolt (4) and the retainer. Remove tube (6) and the seals from the tube.
5. Remove two tubes (3) and the seals from the tubes.



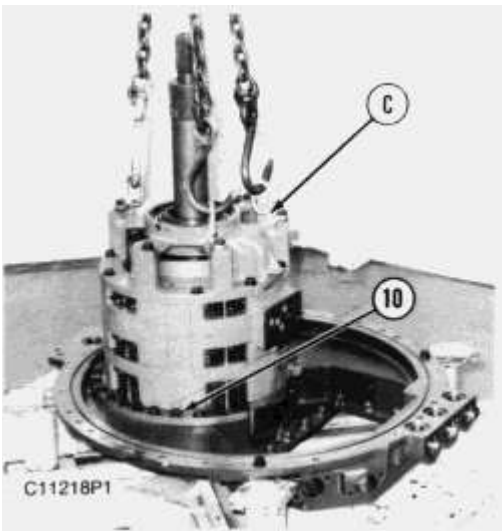
6. The weight of the transmission control valves and priority valve as a unit is **43 kg (95 lb)**. Install tooling (B) on the transmission control valve, and fasten a hoist as shown.

7. Remove four bolts (7) that hold the transmission control valves to the planetary. Remove the transmission control valves and priority valve as a unit.



8. Remove bolt (9) and tube assembly (8).

9. Remove the O-ring seal from tube assembly (8).



10. The weight of the planetary group is **341 kg (750 lb)**. Install tooling (C), and attach a hoist as shown.

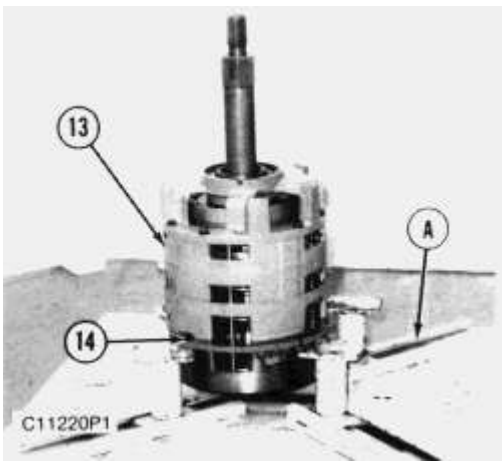
11. Remove twenty-one bolts (10) that hold the planetary group to the transmission cover. Remove the planetary group.



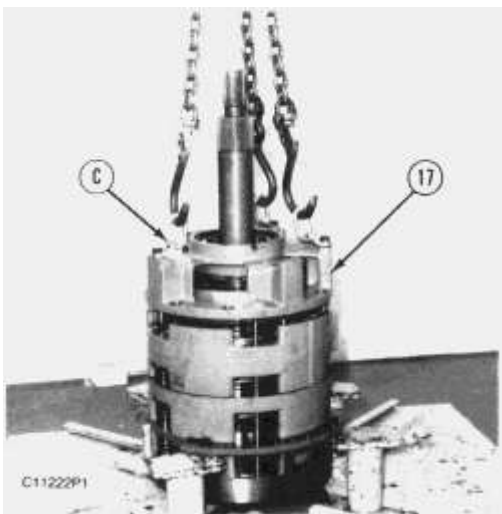
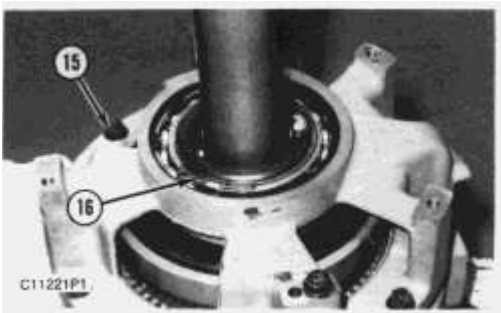
12. The weight of transmission cover (12) is **100 kg (220 lb)**. Install tooling (C) to the transmission cover, and fasten a hoist. Remove the transmission cover from tooling (A).

13. Remove suction screen cover (11) and the O-ring seal from the transmission cover.

14. Remove the suction screen from transmission cover (12).



15. Put transmission planetary group (13) in position on tooling (A). Use four bolts and nuts (14) to fasten the planetary group to tooling (A).



16. Remove retaining ring (16) from the manifold with tool (D).

17. The weight of manifold (17) is **23 kg (51 lb)**. Install tooling (C), and attach a hoist. Remove ten bolts (15) and manifold (17).

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