



Service Repair Manual

Models

D6R TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6R TRACK-TYPE TRACTOR 4TR

Configuration: D6R TRACTORS / POWERSHIFT / 4TR00001-UP (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly D6R TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN9496-02

Publication Date -01/11/2004

Date Updated -23/07/2018

SEN94960025

Torque Divider

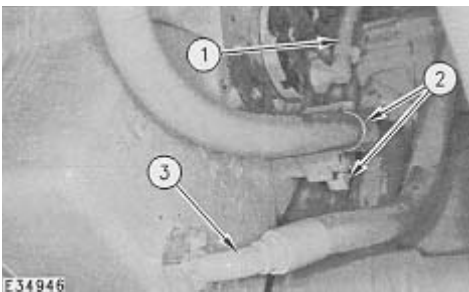
SMCS - 3113-016; 3113-010; 3113-015

Remove And Install Torque Divider

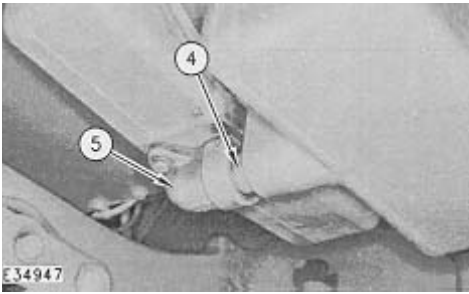
Tools Needed	A
138-7574 Link Bracket	2

Start By:

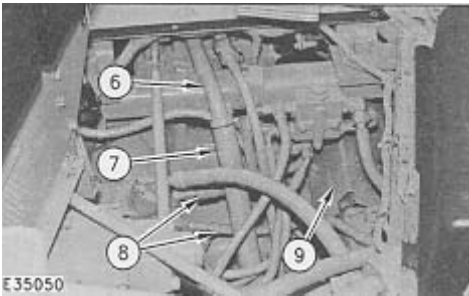
- a. remove torque converter outlet relief valve
- b. remove drive shaft (main)
1. Remove the floor plate.



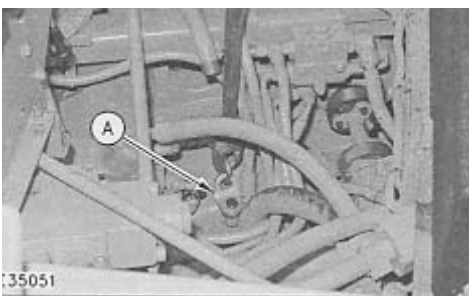
2. Loosen the flange bolts on hose (3) and drain the oil from the torque divider. Disconnect hose (3) from the torque divider when the oil has drained.
3. Disconnect hose assemblies (1) and (2) from the torque divider.



4. Remove elbow (5) from the bottom of the flywheel housing. Remove the O-ring seal from elbow (5).
5. Remove sleeve (4). Remove the two O-ring seals from sleeve (4).



6. Loosen the hose clamp, and remove hose (7) from tube assembly (6).
7. Disconnect hose assemblies (8) from the steering and implement pump.
8. Remove guard assembly (9).



9. Install Tooling (A) on the top of the torque divider housing. Fasten a hoist to Tooling (B).
10. Remove the remaining ten bolts that hold the torque divider to the flywheel housing.
11. Install two 3/8 in - 16 NC forcing screws in the torque divider housing. Tighten the forcing screws evenly, and remove the torque divider from the flywheel housing. The weight of the torque divider is 145 Kg (320 lb.).
12. Lower the torque divider to the ground, and remove it from under the machine.
13. Remove the O-ring seal from the torque divider housing.

NOTE: The following steps are for installation of the torque divider.

14. Install the O-ring seal on the torque divider housing. Put clean oil on the O-ring seal.

15. Put the torque divider in position under the machine. Fasten a hoist and Tooling (A) to the torque divider.
16. Put the torque divider in position on the flywheel housing, and install guard assembly (9) and the bolts that hold the torque divider in place.
17. Connect hose assemblies (8) to the steering and implement pump.
18. Install hose (7) on tube assembly (6), and tighten the hose clamp.
19. Install the O-ring seals on sleeve (4) and elbow (5). Install the sleeve and elbow on the bottom of the torque divider.
20. Connect hose assemblies (1) and (2) and hose (3) to the torque divider.
21. Install the floor plate.
22. Check the power train oil level, and add as necessary. See the Operation And Maintenance Manual.

End By:

- a. install drive shaft (main)
- b. install torque converter outlet relief valve

Disassemble Torque Divider

Tools Needed		A	B	C	D	E	F	G
1P1863	Pliers	1						
138-7575	Link Bracket		2					
5P4758	Pliers			1				
138-7573	Link Bracket				2			
1P510	Driver Group					1		
1P520	Driver Group						1	
2P8312	Pliers							1

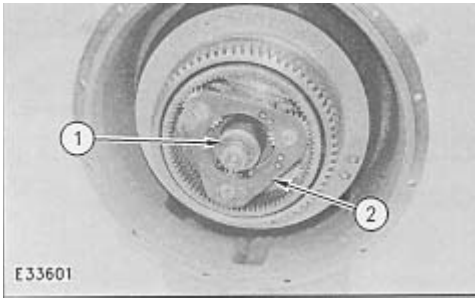
Start By:

- a. remove torque divider

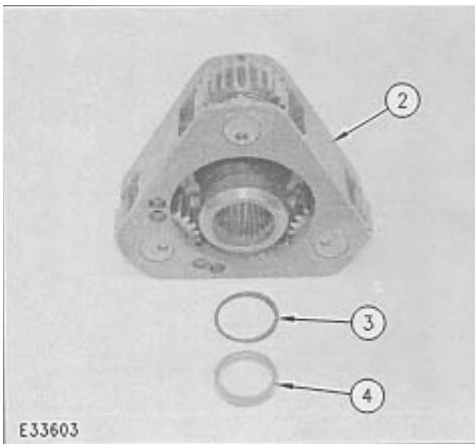
NOTICE

When a torque converter or divider has a failure, the complete oil system for the torque converter, torque divider and transmission must be thoroughly cleaned. Any foreign material which is not removed

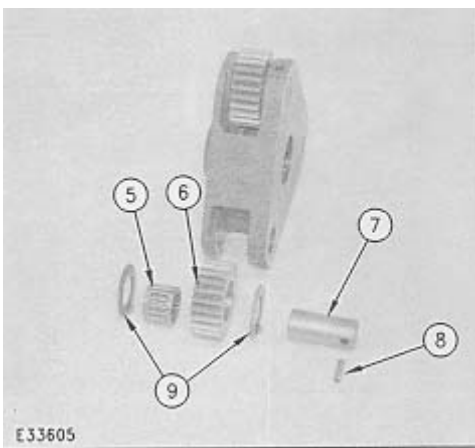
from the oil system for the torque converter will move through the hydraulic system for the transmission.



1. Use Tool (A), and remove retaining ring (1) from the shaft.
2. Remove planetary carrier (2).



3. Remove retainer (4) and retaining ring (3) from the planetary carrier (2).



4. Use a hammer and a punch to push pin (8) in shafts (7).
5. Remove shaft (7), two washers (9) and gear (6).
6. Remove bearings (5) from the gear.
7. Remove the pin from shaft (7).

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