



# Service Repair Manual

## **Models**

# D6H TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D6H TRACK-TYPE TRACTOR 8YC

Configuration: D6H & D6H LGP TRACTORS / POWER SHIFT / 8YC00001-UP (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly D6H TRACTOR POWER TRAIN

Media Number -SEN3242-03

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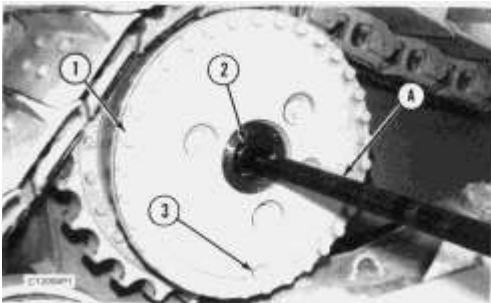
SEN32420012

### Final Drive Planetary Carriers (In Chassis)

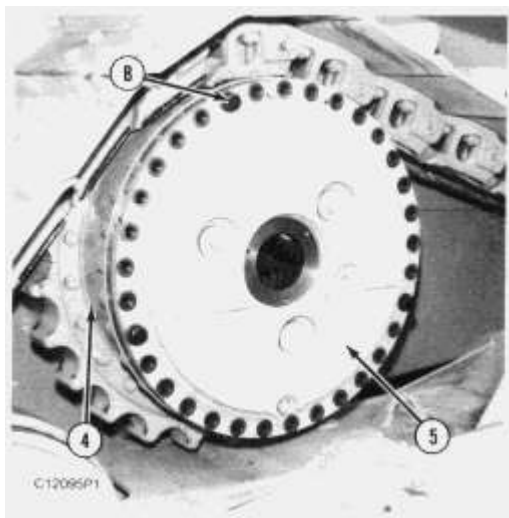
SMCS - 4092-012; 4092-011

### Remove Final Drive Planetary Carriers (In Chassis)

Tools Needed		A	B	C	D	E
FT1952	Axle Removal Tool	1				
3B2968	Bolt		3			
8T3207	Lift Bracket			1		
1D4612	Bolt			2		
2J3506	Nut			2		
5H1504	Washer			4		
	Spacer [3/4" x 37 mm (1.45 in) long]			2		
6V3160	Hydraulic Cylinder				1	
6V9061	Hand Pump (or electric)				1	
1P1836	Step Plate					2



1. Position the final drive drain plug (3) on the bottom as shown. Remove drain plug (3) and drain approximately **11.4 liters (3 U.S. gal.)** of oil from the final drive.
2. Remove the center cover. Remove the O-ring seal from the cover.
3. Use tooling (A) and remove outer axle (2).



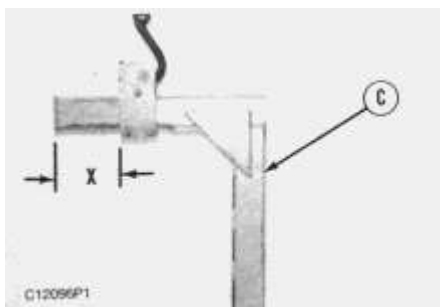
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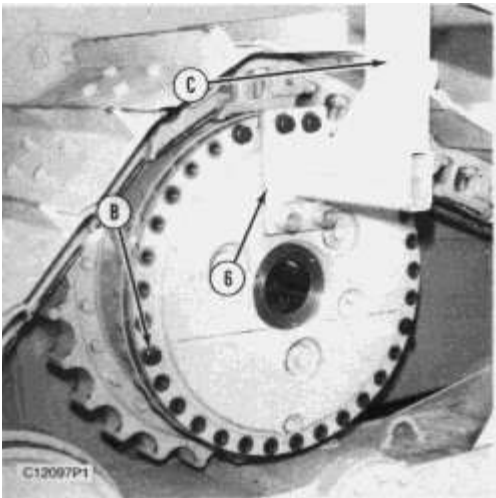
### NOTICE

**Three bolts [tooling (B)] must be threaded in 25.4 mm (1 in) to hold the planetary carrier.**

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4. Remove three equally spaced bolts that hold planetary carrier (5) to hub (4). Install tooling (B) in place of three bolts as shown.
5. Remove the remaining bolts (1) that hold the planetary carrier to the hub.
6. Use a pry bar and move planetary carrier (5) out of the hub as far as the bolts [tooling (B)] will permit.



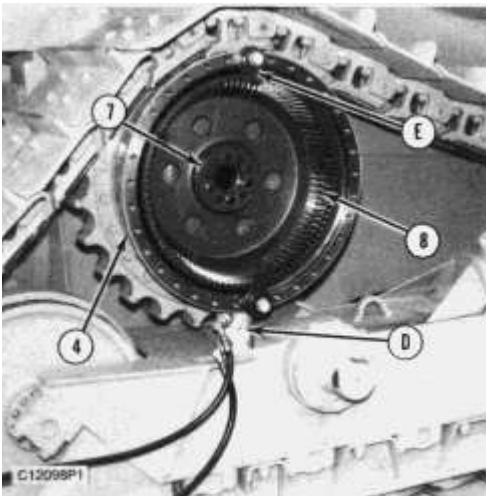


7. Adjust the upper hanger bracket on tooling (C) so distance (X) is **203 mm (8 in)**. Install lower plate (6) so the spacers are down and toward the vertical leg of the bracket.

8. Attach a hoist to tooling (C) and install it onto the planetary carrier.

9. The weight of the planetary carrier is **132 kg (290 lb)**. Remove the three bolts [tooling (B)] and remove planetary carrier (5) from the hub. Remove the O-ring seal.

10. To disassemble the planetary carrier, see Disassemble Final Drive in this module.



## **WARNING**

**Ring gear (8) will be free to fall when retainer (7) is removed. To prevent possible personal injury, tooling (D) and (E) must be in position to hold ring gear (8) and the hub in position when retainer (7) is removed.**

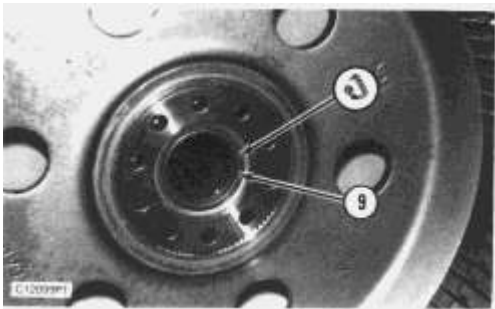
11. Put tooling (D) under final drive hub (4) to hold it in position when retainer (7) is removed. Install tooling (E) to hold ring gear (8) in position. Use the bolts that hold the planetary carrier in position to install tooling (E).

12. Remove the bolts and retainer (7).

13. Remove the lip-type seal from the end of the spindle.

## Install Final Drive Planetary Carriers (In Chassis)

Tools Needed		A	B	C	D	E	F
FT1952	Axle Removal Tool	1					
3B2968	Bolt		3				
8T3207	Lift Bracket			1			
1D4612	Bolt			2			
2J3506	Nut			2			
5H1504	Washer			4			
	Spacer			2			
6V3160	Hydraulic Cylinder				1		
6V9061	Hand Pump (or electric)				1		
1P1836	Step Plate					2	
1P510	Driver Group						1



1. Use tooling (F) and install lip-type seal (9) into the end of the spindle. The lip of the seal must be toward the inside of the spindle. Put clean oil on the lip of the seal.

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