



Service Repair Manual

Models

D7R TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D7R TRACK-TYPE TRACTOR 2EN

Configuration: D7R Track-Type Tractor Differential Steering 2EN00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly D7R Track-Type Tractor Power Train

Media Number -SEN1706-02

Publication Date -01/01/2004

Date Updated -15/01/2004

i01008087

Final Drive Planetary Carrier (In Chassis) - Install

SMCS - 4092-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	1P-0520	Driver	1
B	6V-3160	Cylinder	1
	9U-6600	Manual Pump	1
C	1P-1837	Bearing Puller	2
D	5P-8622	Shackle	1
	8T-3207	Lifting Bracket	1
	1A-8063	Bolt (3/4 inch by 10 by 2 1/2 inch)	2
	5P-8248	Washer	6
	1B-4331	Nut (3/4 inch by 10)	2
E	1P-0068	Tapered Cone	1
	1P-0069	Adapter Head	1
	1P-0071	Jaw	3
	FT-0732	Stud	1
	1A-8285	Nut (5/16 inch by 24)	3

	6H-0187	Bolt (5/16 inch by 24 by 1 1/8 inch)	3
	1P-5546	Crossbar	1
	5P-8247	Washer	1
	1B-4206	Nut (5/8 inch by 18)	1
F	3B-2968	Bolt (3/4 inch by 10 by 3 1/2 inch)	3
G	8T-3045	Adapter	1
	FT-1952	Installer	1

1. Clean the components and inspect the components. Replace components that are worn or damaged.

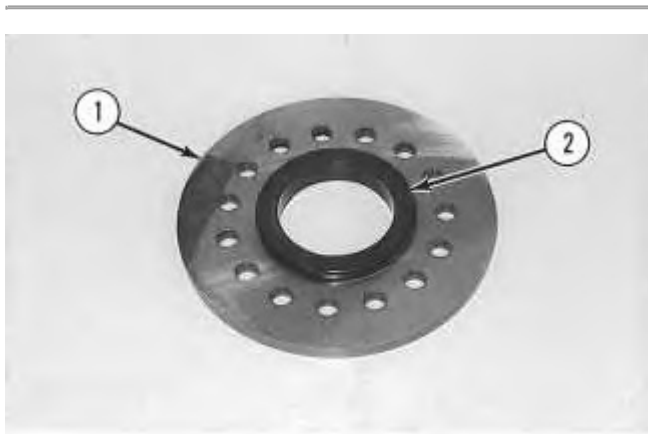


Illustration 1

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2. Use Tooling (A) in order to install ring (2) in retainer (1) .

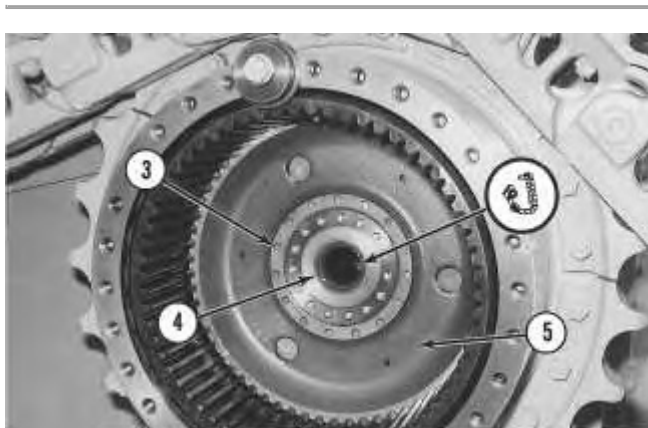


Illustration 2

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3. Use Tooling (A) in order to install lip seal (4) in the hub. Orient the lip of the seal toward the inside of the hub. Apply clean oil to the lip of the seal.

4. Install pins (3) in hub (5) .

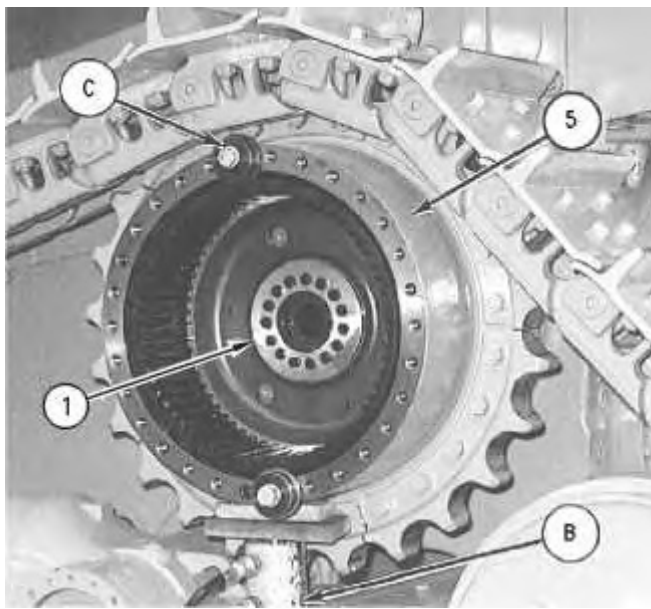


Illustration 3

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5. Position retainer (1) on the hub. Install the fifteen bolts that hold the components together. Tighten the bolts evenly to a torque of 135 ± 20 N·m (100 ± 15 lb ft).
6. Remove Tooling (B) and Tooling (C) from the final drive.

ReferenceIn order to assemble the planetary carriers, see the procedure in Disassembly and Assembly, "Final Drive - Assemble" in this module.

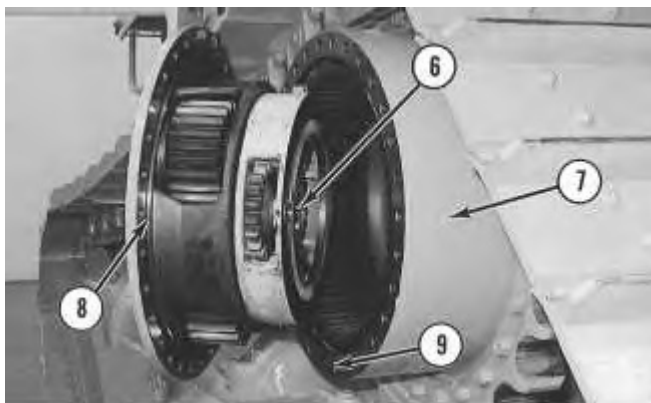


Illustration 4

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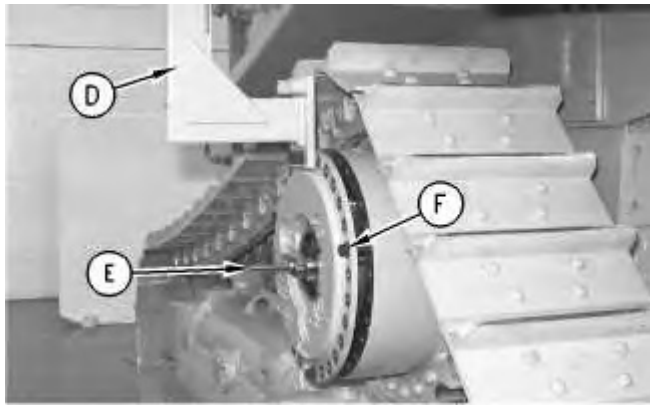


Illustration 5

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7. Position sun gear (6) in the planetary carriers. Install Tooling (E) in order to hold the sun gear in place.
8. Install O-ring seal (8) and small O-ring seal (9) .
9. Use a hoist with Tooling (D) in order to install the planetary carrier. The weight of the planetary carrier is approximately 250 kg (550 lb).
10. Position the planetary carrier on hub (7). Align the gears and slide the planetary carrier into the hub. Push the planetary carriers until the planetary carrier is approximately 25 mm (1 inch) from the hub.
11. Install Tooling (F) in order to hold the planetary carrier in place. Remove Tooling (D) .

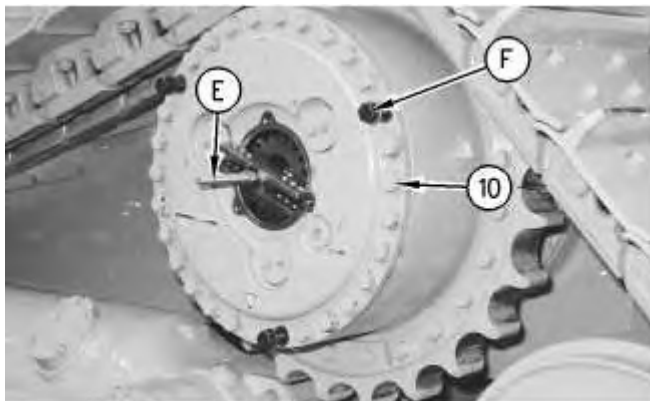


Illustration 6

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12. Install 26 bolts (10) that hold the planetary carrier to the hub. Remove Tooling (F) in order to install three bolts (10). Tighten bolts (10) to a torque of 475 ± 50 N·m (350 ± 37 lb ft).
13. Remove Tooling (E) .

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