



Service Repair Manual

Models

D10R TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D10R TRACK-TYPE TRACTOR AKT

Configuration: D10R TRACK-TYPE TRACTOR AKT00001-UP (MACHINE) POWERED BY 3412E Engine

Disassembly and Assembly D10R Track-Type Tractor Power Train

Media Number -REN3927-10

Publication Date -01/02/2011

Date Updated -10/02/2011

i01624751

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Start By:

- A. Remove the final drive. Refer to Disassembly and Assembly, "Final Drive - Remove".

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

Table 1

Required Tools

Tool	Part Number	Description	Qty
A	138-7575	Link Bracket	3
	8B-7548	Push-Puller	1
B	8H-0684	Ratchet Wrench	1
	8B-7554	Bearing Cup Pulling Attachment	1
	8B-7548	Push-Puller	1
C	8H-0684	Ratchet Wrench	1
	8B-7554	Bearing Cup Pulling Attachment	1
	5H-9976	Screw	1
D	1P-0520	Driver Group	1
	1U-5197	Driver Gp	1
	5P-9695	Press Plate	1
	9U-5267	Stud	3
E	5F-7353	Washer	3
	3H-0467	Washer	3
	3K-5234	Washer	3
	1P-0543	Nut	3
	4C-4865	Hand Hydraulic Pump	1
F	138-7574	Link Bracket	3

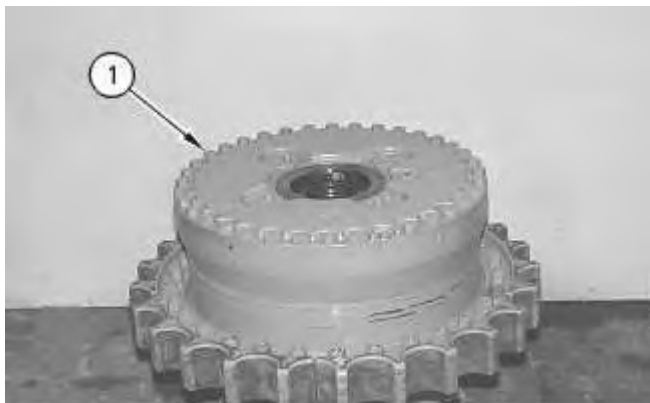


Illustration 1

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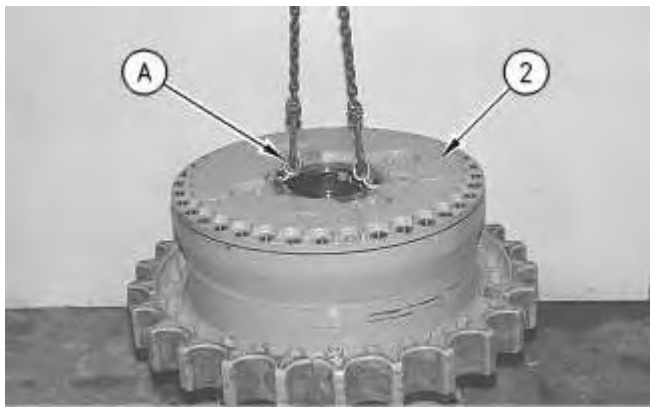


Illustration 2

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1. Remove bolts (1) that hold carrier (2) on the final drive.
2. Install Tooling (A) on the carrier. Use a suitable lifting device and Tooling (A) in order to remove carrier (2) from the final drive. The weight of the carrier is approximately 268 kg (590 lb).
3. Remove the O-ring seal from the carrier.

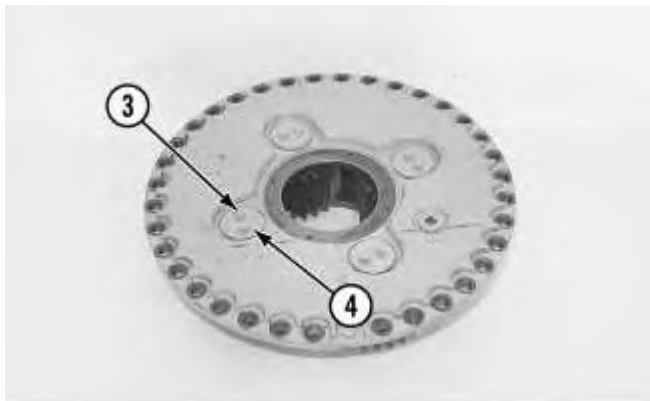


Illustration 3

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4. Remove bolts (3) and plates (4) .
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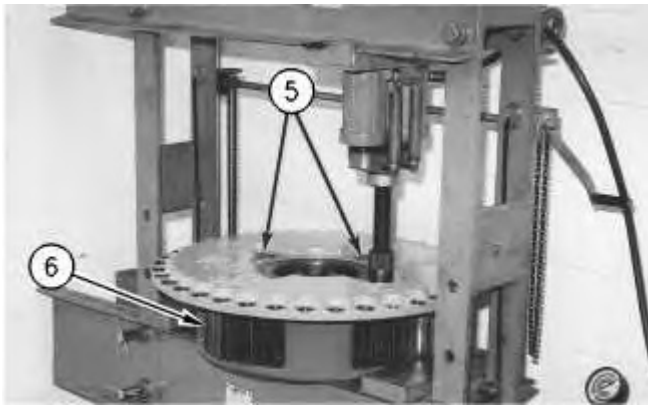


Illustration 4

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5. Put the carrier assembly in position in a suitable press. Remove shafts (5) and gears (6) .



Illustration 5

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6. Remove bearing cones (7) from gears (6) .
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