

Product: TRACK-TYPE TRACTOR

Model: D7E TRACK-TYPE TRACTOR TAN

Configuration: D7E TRACK-TYPE TRACTOR TAN00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly D7E Track-Type Tractor Power Train

Media Number -KENR5606-03

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i06161086

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7574	Link Bracket	3
C	8B-7548	Push-Puller Tool Group	1
	8H-0684	Ratchet Wrench	1
	8B-7554	Bearing Cup Puller	1
D	150-1782	Crossblock	1
E	350 -7768	Electric Hydraulic Pump	1
F	1P-0532	Plate	1
G	188-1456	Lifting Eye Bolt	1
H	154-6181	Forcing Bolt	2
J	8B-7551	Bearing Puller Gp	1
	3H-0465	Push-Puller Plate	1
	5F-7369	Puller Leg	2
	8B-7548	Push-Puller Tool Gp	1
K	138-7573	Link Bracket	3

Start By:

A. Remove the final drive.

1. Drain the oil from the final drive into a suitable container for storage or disposal.

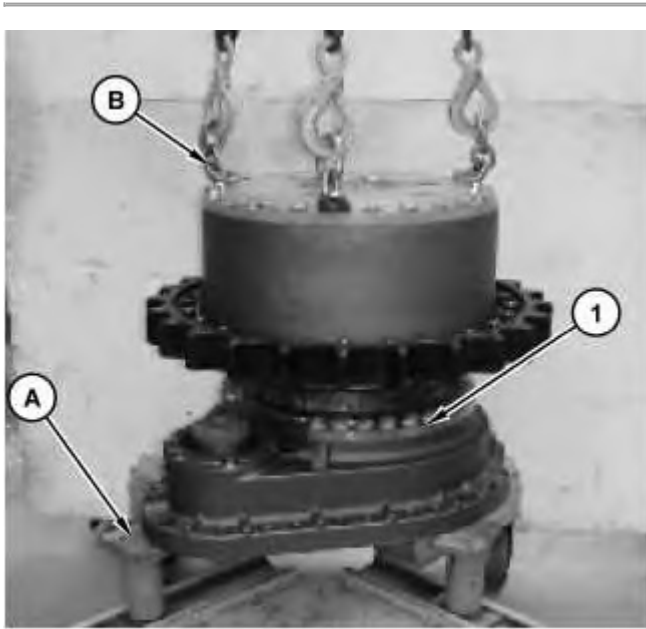


Illustration 1

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2. Attach Tooling (B) and a suitable lifting device to final drive (1) . The weight of final drive assembly (1) is approximately 880 kg (1940 lb). Attach final drive assembly (1) to Tooling (A) .

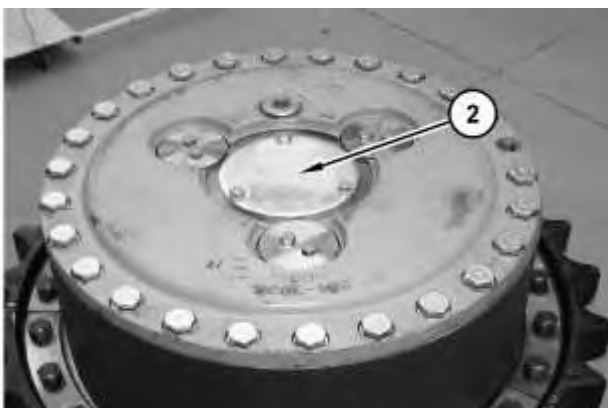


Illustration 2

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3. Remove cover (2) .

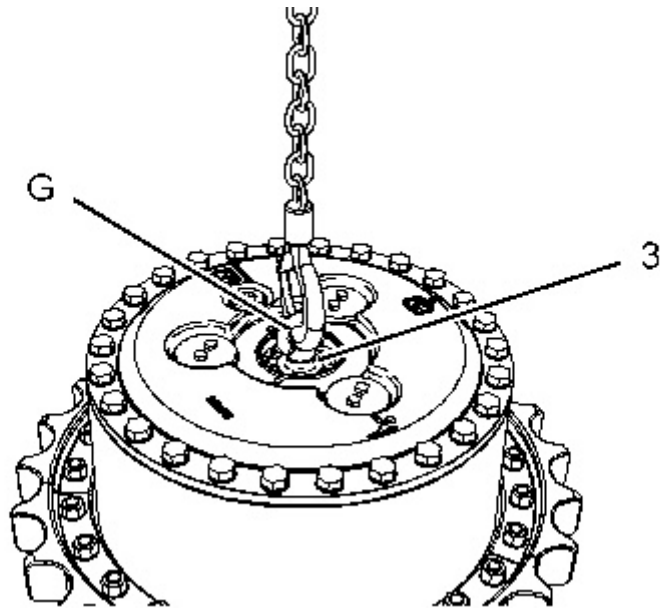


Illustration 3

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4. Attach Tooling (G) to sun gear (3) .

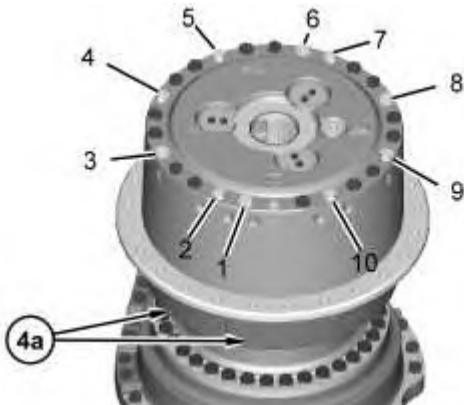


Illustration 4

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5. If equipped, remove shields (4a) by removing bolts 1 through 10 shown in Illustration 4.
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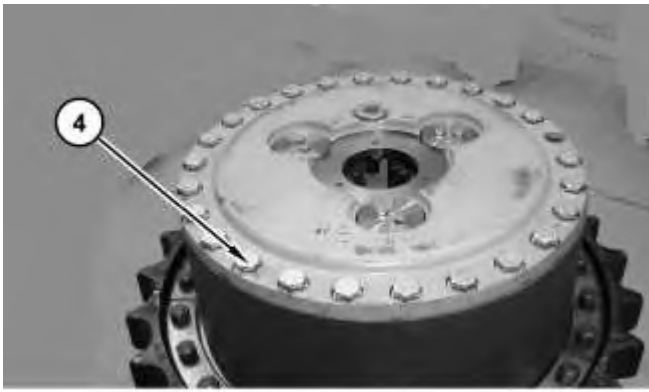


Illustration 5

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6. Remove bolts (4) .

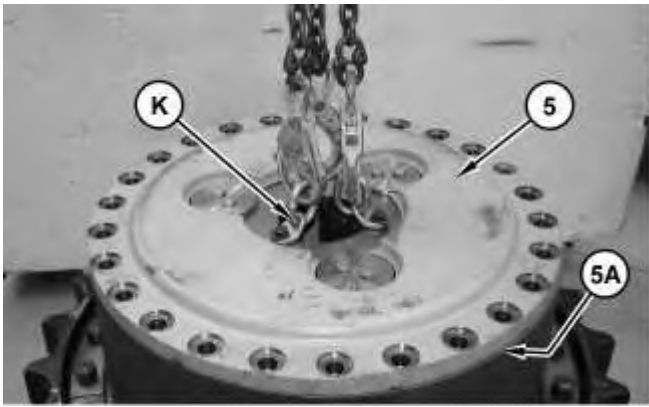


Illustration 6

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7. Attach a suitable lifting device and Tooling (K) in order to remove planetary carrier (5) .
The weight of planetary carrier (5) is approximately 163 kg (360 lb). Remove O-ring (5A) .

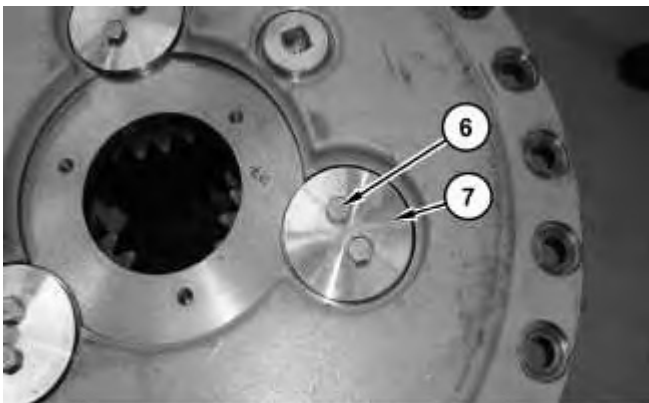


Illustration 7

g02482500

8. Remove bolts (6) and plate (7) .

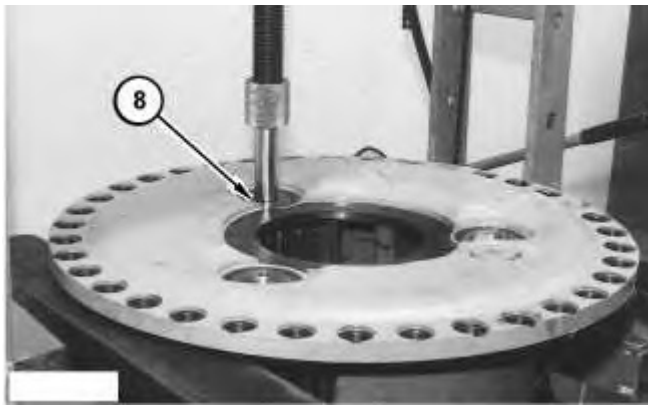


Illustration 8

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9. Use a suitable press to remove shafts (8) from the planetary carrier.

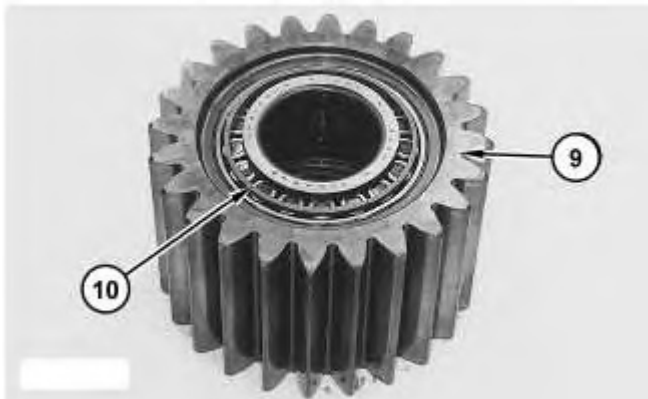


Illustration 9

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10. Remove gears (9) from the planetary carrier.

11. Remove bearing cones (10) from each side of gears (9) .

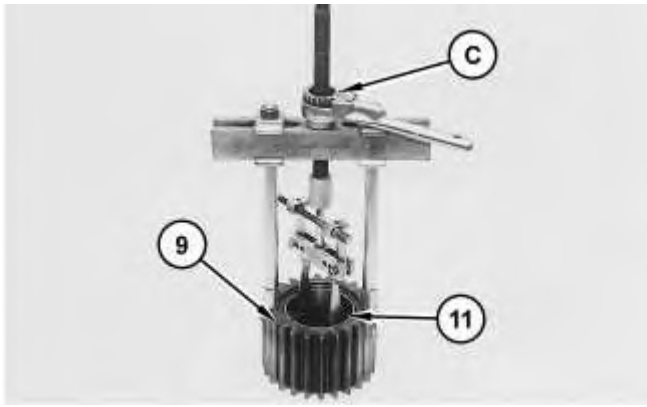


Illustration 10

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12. Remove bearing cups (11) from each side of gears (9) with Tooling (C) .

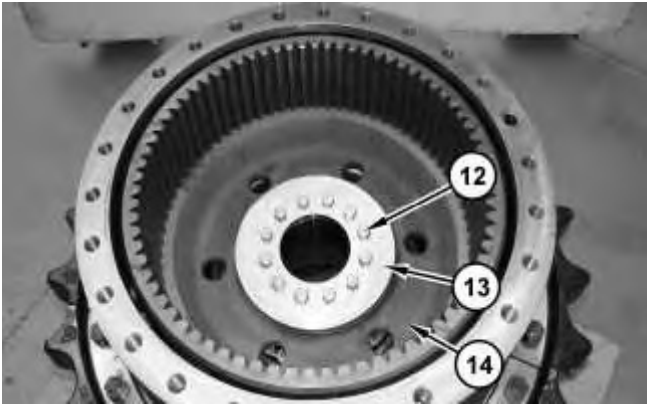


Illustration 11

g02482520

13. Remove bolts (12) . Remove retainer (13) . Attach a suitable lifting device to hub assembly (14) . The weight of hub assembly (14) is approximately 50 kg (110 lb).

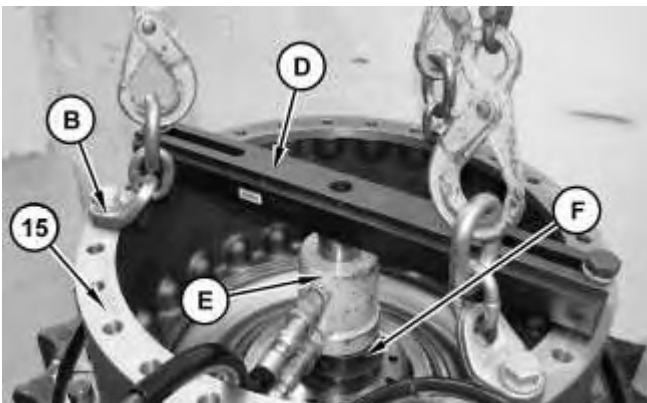


Illustration 12

g02490097

14. Attach a suitable lifting device and Tooling (B) to sprocket hub assembly (15) . Raise temperature of the bearing cone while using Tooling (D) , Tooling (E) , and Tooling (F) to remove sprocket hub assembly (15) . The weight of sprocket hub assembly (15) is approximately 295 kg (650 lb).



Illustration 13

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15. Remove bearing cone (17) .



Illustration 14

g01625306

16. Remove bearing cup (18) .
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