



Service Repair Manual

Models

D11T TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D11T TRACK-TYPE TRACTOR MDG

Configuration: D11T CARRYDOZER TRACK-TYPE TRACTOR MDG00001-UP (MACHINE) POWERED BY C32 Engine

Disassembly and Assembly D11T Track-Type Tractor Power Train

Media Number -KENR5620-00

Publication Date -01/08/2011

Date Updated -26/08/2011

i07422913

Final Drive - Assemble

SMCS - 4050-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	3
B	1P-0520	Driver Gp	1
C	138-7575	Link Bracket	2
E	138-7576	Link Bracket	2
F	176-1724	Duo-Cone Seal Installer As	1
G	142-1670	Spacer	1
H	FT-2052	Adapter	1
	6V-3009	Crossbar	1
	5P-8247	Hard Washer	1
	4K-0367	Full Nut	1
	-	Threaded Rod "5/8 - 11 by 17 inches long"	1



WARNING

Always wear protective gloves when handling parts that have been heated.

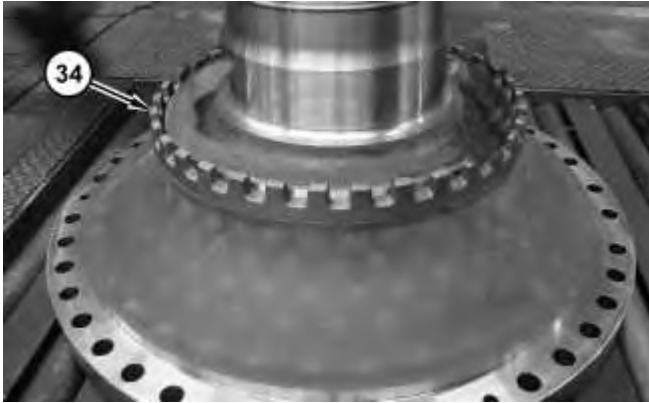


Illustration 1

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1. Raise the temperature of ring (34) to a maximum temperature of 135° C (275° F). Install ring (34) onto the spindle.

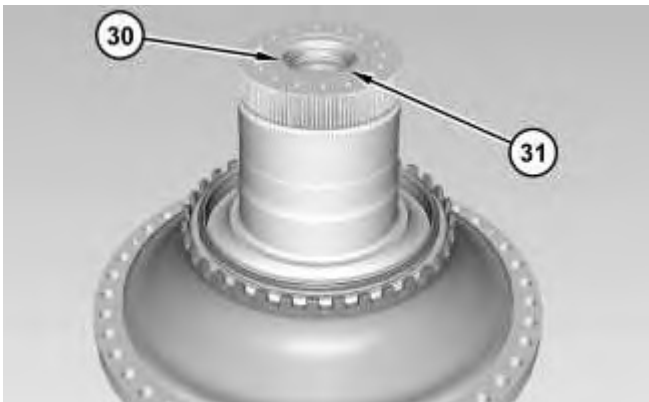


Illustration 2

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2. Install bearing sleeve (31) on the spindle. Make sure that bearing sleeve (31) is seated on the spindle. Use Tooling (B) to install seal (30).

Note: Use a driver that is nearly the same diameter as the outside diameter of the metal seal case. Do not apply excessive force on a seal that is fully seated. Excessive force may deform the seal case. Deforming the seal case may cause the seal to leak.

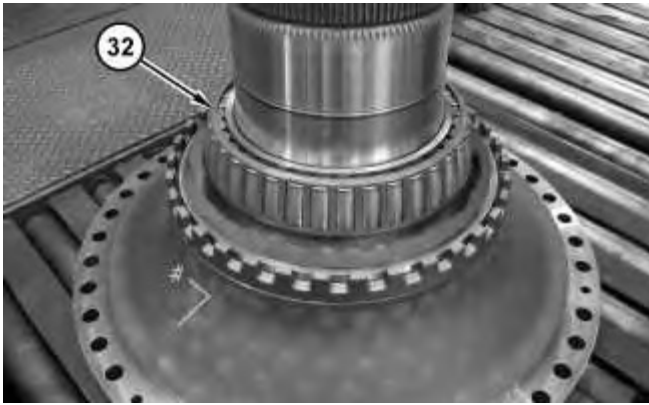


Illustration 3

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3. Raise the temperature of bearing (32) to a maximum temperature of 135° C (275° F) to install bearing (32).

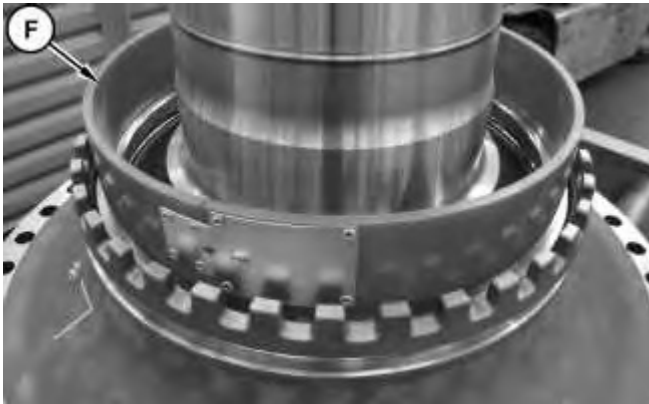


Illustration 4

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Note: Before installation of any Duo-Cone seals, refer to Disassembly and Assembly, "Duo-Cone Conventional Seals - Install".

4. Use Tooling (F) to install Duo-Cone seal (33).



Illustration 5

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- Use a depth micrometer to measure the distance from the surface of Duo-Cone seal (33) to the surface of hub in four places. The maximum allowable difference in the four measurements is 1.0 mm (0.04 inch). If an adjustment must be made to the seal, use Tooling (F) to adjust Duo-Cone seal (30).

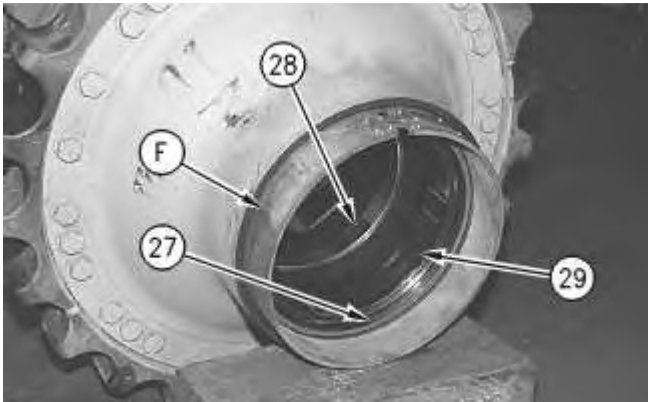


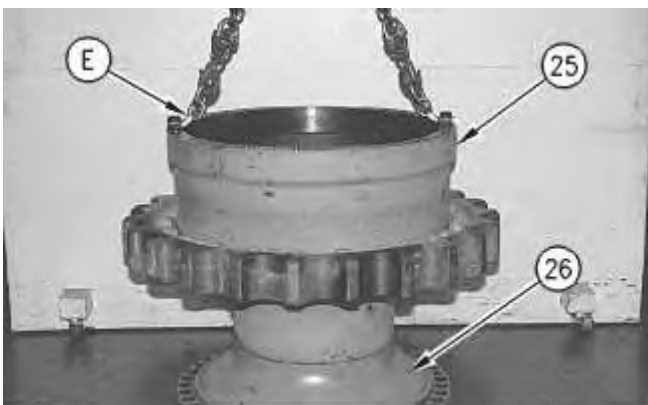
Illustration 6

g01000372

NOTICE

The use of liquid nitrogen is not approved by Caterpillar. Use a freezer set to -29°C (-20°F) to lower the temperature of the components. Refer to Reusability of Tapered Bearings, SEBF8190.

- If bearing cups (28) and (29) were removed. Lower the temperature of bearing cups (28) and (29) and install bearing cups (28) and (29) in the hub. Make sure that bearing cups (28) and (29) are fully seated to the hub.
- Use Tooling (F) to install the Duo-Cone seal (27) in the hub.
- Use a depth micrometer and measure the distance between the surface of Duo-Cone seal (27) and the surface of the hub at four places. The maximum allowable difference in the four measurements is 1.0 mm (0.04 inch). If an adjustment is necessary, use Tooling (F) to adjust Duo-Cone seal (27).



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