

Product: WHEEL SCRAPER

Model: 637G WHEEL SCRAPER CEJ

Configuration: 637G Wheel Scraper CEJ00001-UP (MACHINE) POWERED BY C-9 Engine

Disassembly and Assembly 637G Wheel Tractor-Scraper Wheel Tractor Power Train

Media Number -REN5733-00

Publication Date -01/09/2004

Date Updated -30/09/2004

i02156910

Torque Converter - Assemble

SMCS - 3101-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7574	Link Bracket	3
B	1P-1861	Retaining Ring Pliers	1
C	1P-0510	Driver Gp	1
D	7X-0290	Bolt	2

NOTICE

Keep all parts clean from contaminants.

Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.

To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.

Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.

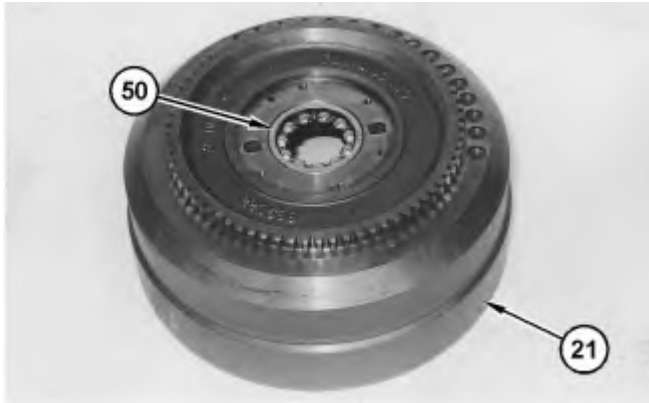


Illustration 1

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1. Lower the temperature of bearing (50). Install bearing (49) into housing (21) .

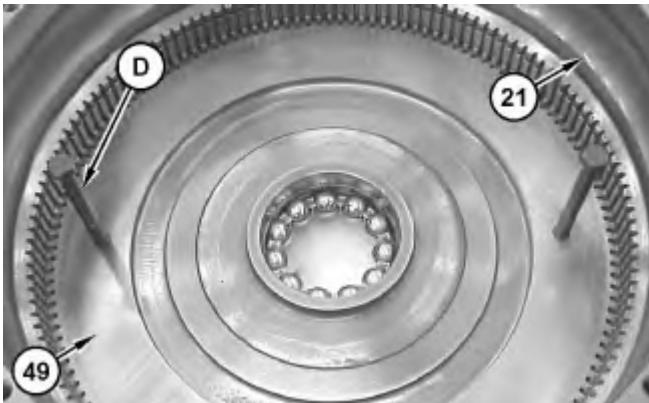
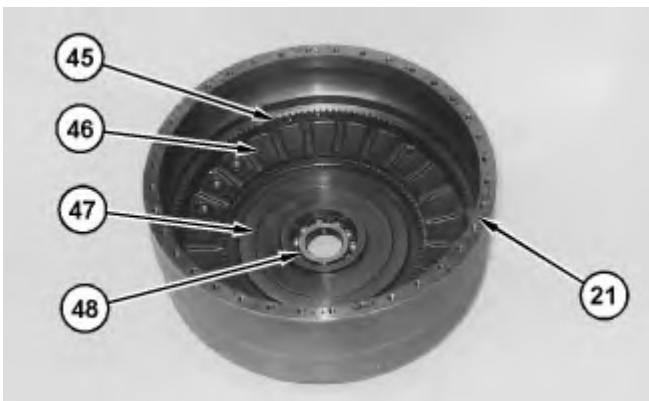


Illustration 2

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2. Install the seals onto piston (49) and housing (21). Use Tooling (D) in order to install piston (49) into housing (21) .



3. Position housing (21), as shown. Install inner bearing race (48) .
4. Install disc assembly (47) .
5. Install plate (46). Install ring (45) .

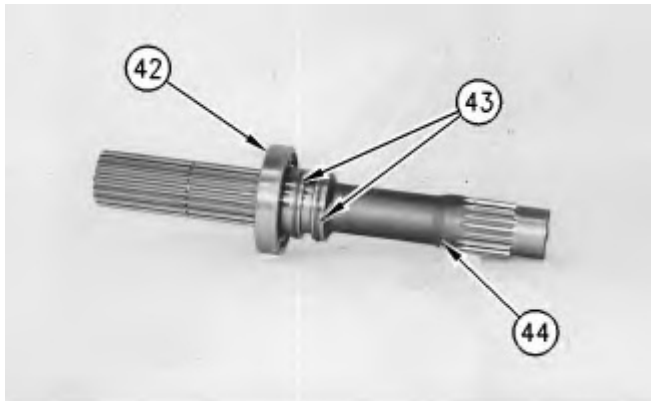


Illustration 4

6. Install rings (43) onto shaft (44) .
7. Lower the temperature of bearing (42). Install bearing (42) onto shaft (44) .

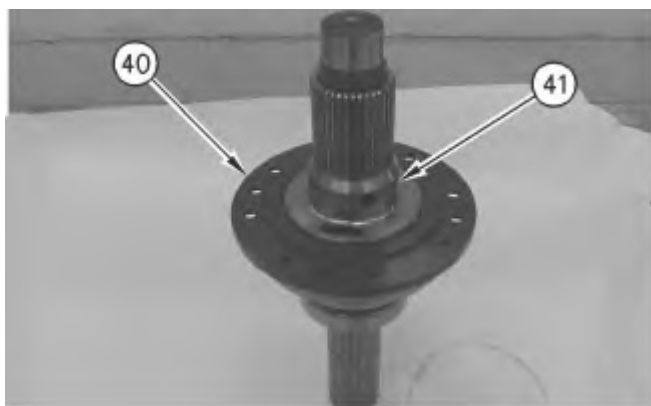


Illustration 5

8. Install carrier (41). Install gear assembly (40) .
-

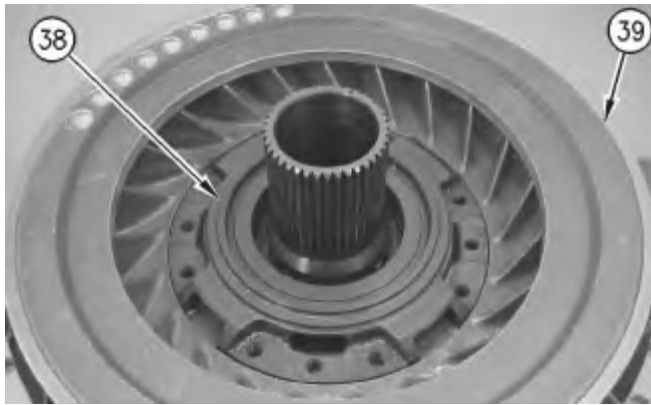


Illustration 6

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9. Install impeller (39). Install carrier (38) .

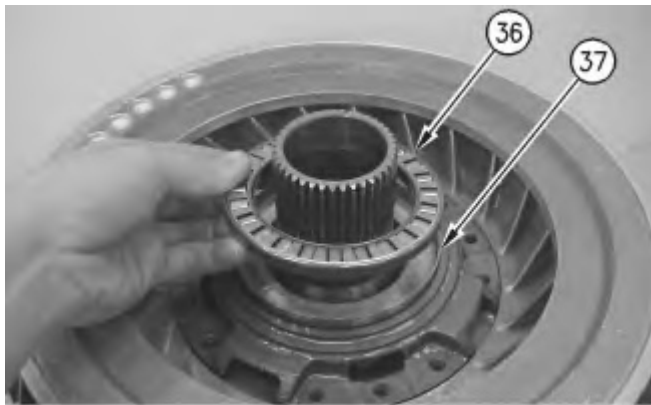


Illustration 7

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10. Install race (37). Install bearing (36) .

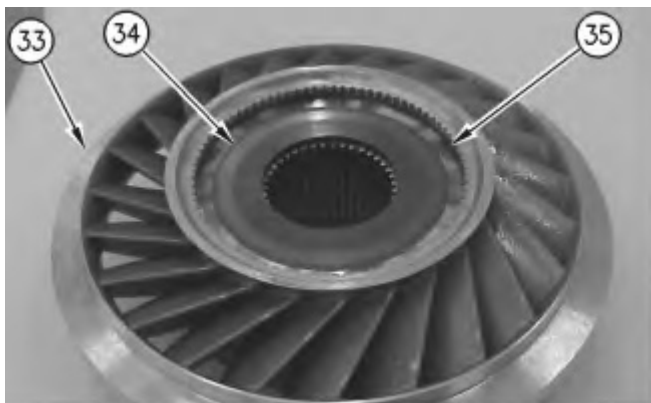


Illustration 8

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11. Position stator (33), as shown. Install race (35). Install ring (34) .

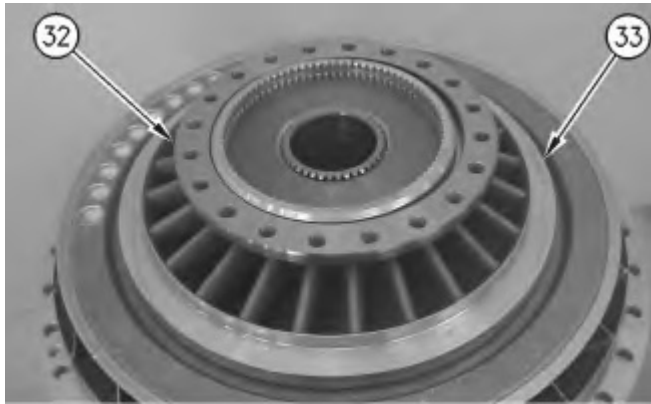


Illustration 9

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12. Install stator (33). Install ring (32) .

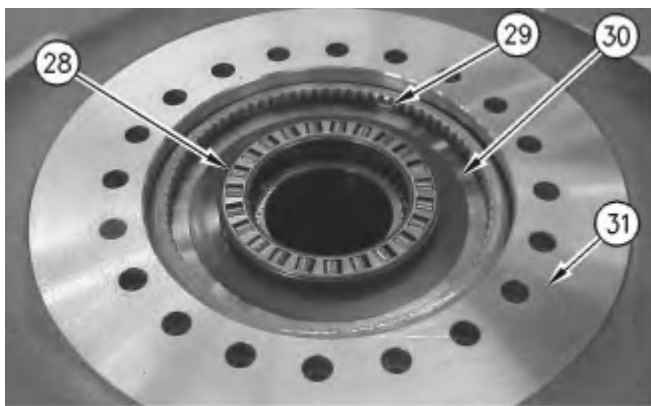


Illustration 10

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13. Install turbine (31). Install race (30). Install ring (29). Install bearing (28) .



14. Position hub (24), as shown. Install retainer (27) .



Illustration 12

15. Install carrier (26). Install ring (25) .

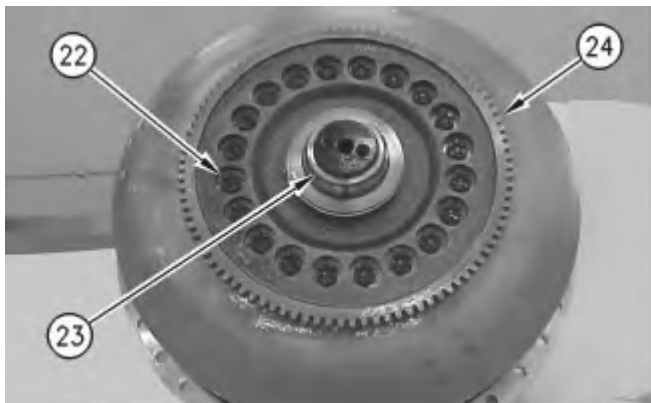


Illustration 13

16. Install hub (24). Install the shaft. Raise the temperature of bearing race (23). Install bearing race (23) on the shaft.
 17. Install bolts (22). Tighten bolts (22) to a torque of 50 ± 7 N·m (37 ± 5 lb ft).
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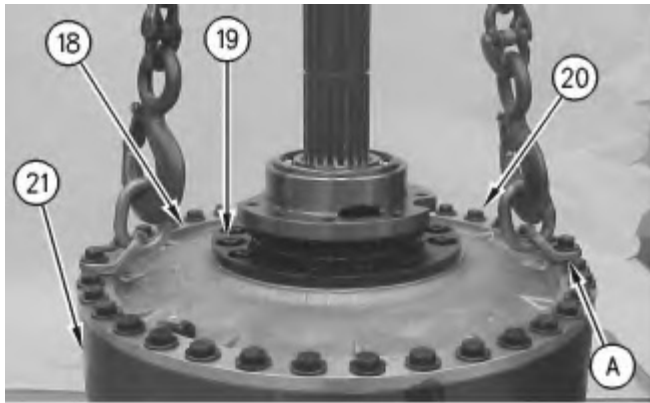


Illustration 14

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18. Install Tooling (A). Position the torque converter, as shown. Install bolts (20). Tighten bolts (20) to a torque of $50 \pm 7 \text{ N}\cdot\text{m}$ ($37 \pm 5 \text{ lb ft}$). Install bolts (19). Tighten bolts (19) to a torque of $50 \pm 7 \text{ N}\cdot\text{m}$ ($37 \pm 5 \text{ lb ft}$).
19. Install torque converter assembly (18) into housing (21). The weight of torque converter assembly (18) is approximately 82 kg (180 lb).

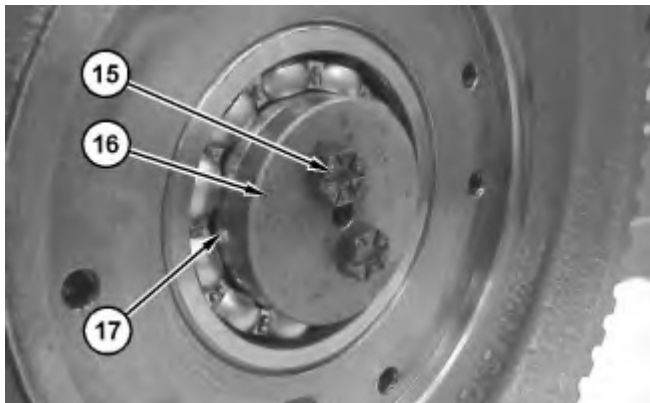


Illustration 15

g01095601

20. Install outer bearing race (17) .
21. Position retainer (16). Install bolts (15). Tighten bolts (15) to a torque of $50 \pm 7 \text{ N}\cdot\text{m}$ ($37 \pm 5 \text{ lb ft}$).

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