CATERPILLAR®

Service Repair Manual

Models

637G Wheel Tractor

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

Media Number -RENR8606-00   Publication Date -01/04/2006   Date Updated -21/04/2006

i02322407

Torque Converter - Assemble

SMCS - 3101-016

Assembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	138-7575	Link Bracket	3
B	1P-1861	Retaining Ring Pliers	1
C	1P-0520	Driver Gp	1
D	2P-8312	Retaining Ring Pliers (External)	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Illustration 1   g01160861

1. Lower the temperature of shaft (22). Use Tooling (D) to install ring (38). Install shaft (22) in the turbine until ring (38) rests on the turbine. Install rings (37).
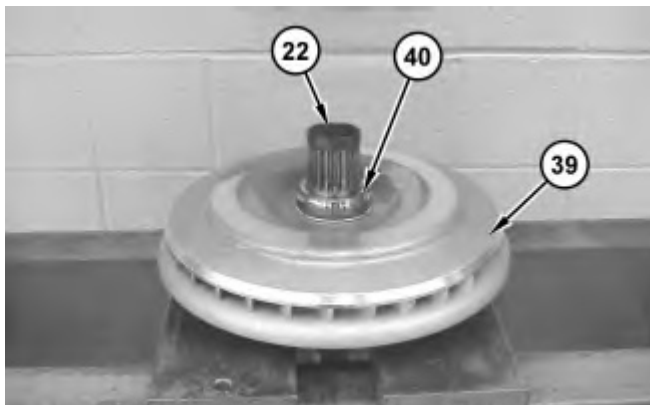

Illustration 2   g01160941

2. Install the spacer. Raise the temperature of bearing race (40). Install bearing race (40) to turbine (39) and shaft (22).

Illustration 3   g01054020

3. Install seal ring (36).

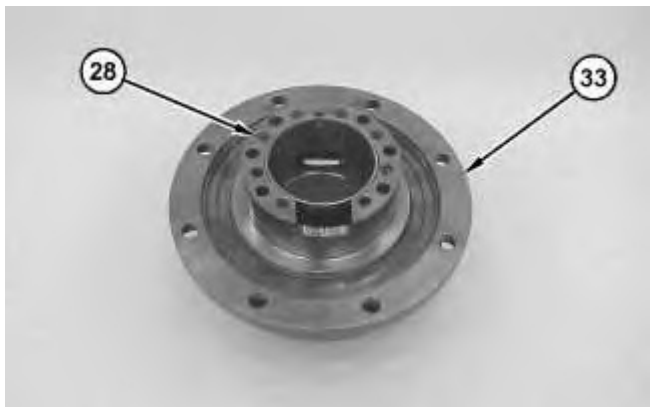Illustration 4   g01054017

4. Install gear (33) to carrier assembly (28).
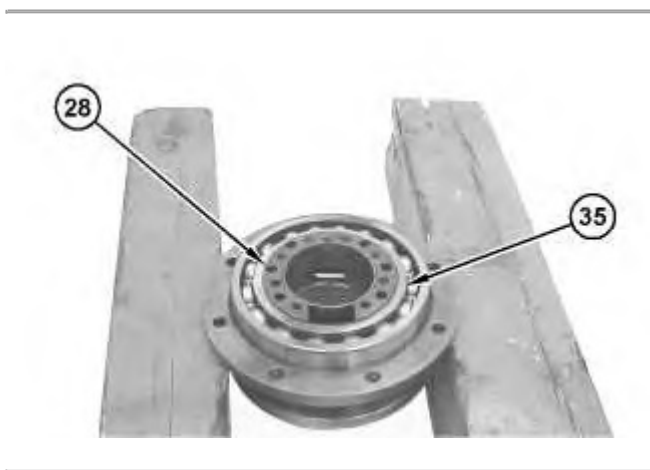

Illustration 5   g01054015

5. Raise the temperature of bearing (35). Install bearing (35) on carrier assembly (28).
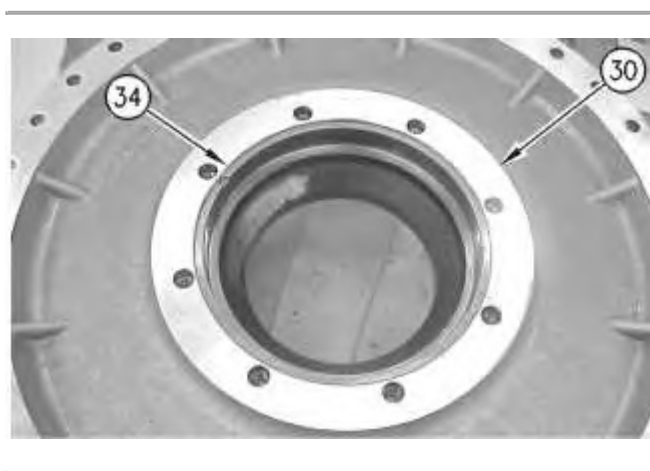

Illustration 6   g00837205

6. Lower the temperature of carrier (34). Install carrier (34) into impeller (30).

   Note: Make sure that the bolt holes are aligned.

Illustration 7   g00837194

7. Position gear (33). Install bolts (32). Tighten bolts (32) to a torque of 50 ± 7 N·m
   (37 ± 5 lb ft).

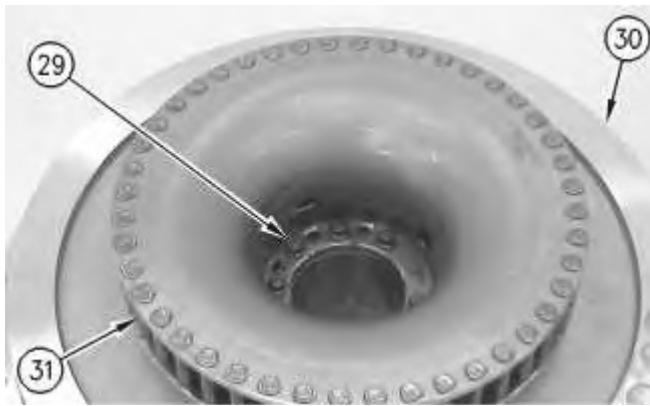Illustration 8   g00837179

8. Position stator assembly (31) on impeller (30) and on carrier assembly (28). Install bolts
   (29). Tighten bolts (29) to a torque of 40 ± 5 N·m (30 ± 4 lb ft).
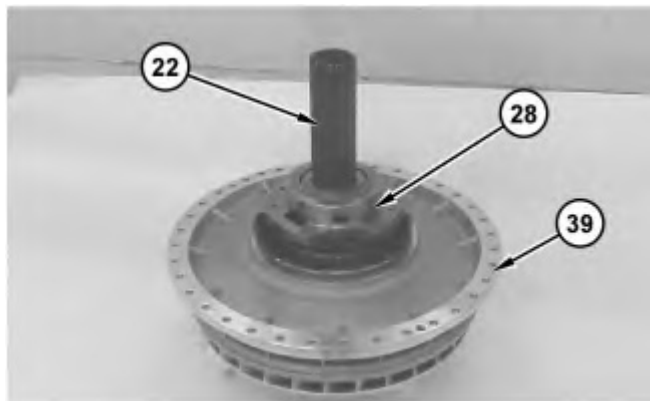

Illustration 9   g01160943

9. Install carrier assembly (28) on impeller (39).

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