CATERPILLAR®

Service Repair Manual

Models

627G Wheel Scraper

Disassembly and Assembly
627G Wheel Tractor
Power Train

Media Number -RENR5736-02 **Publication Date -01/08/2007** **Date Updated -14/08/2007**

i02301155

Transfer Gears - Disassemble

SMCS - 3159-015

Disassembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	138-7575	Link Bracket	1
B	8B-7548	Push-Puller Tool Gp	1
	8B-7551	Bearing Puller Gp	1
	1P-0498	Drive Plate	1
C	5P-4170	Step Plate	1
	1P-2321	Combination Puller	1
D	8B-7554	Bearing Cup Puller Gp	1
	5P-4170	Step Plate	1
	1P-0518	Drive Plate	1
E	8B-7560	Step Plate	1
	5F-7345	Screw	1
	8B-7554	Bearing Cup Puller Gp	1
F	-	Bolts 3/8" - 16 NC by 3 inch	3

Start By:

a. Remove the transfer gear case. Refer to Disassembly and Assembly, "Transfer Gears - Remove".

b. Remove the transmission oil filter base. Refer to Disassembly and Assembly, "Transmission Oil Filter Base - Remove and Install".

c. Remove the transmission scavenge pump. Refer to Disassembly and Assembly, "Transmission Scavenge Pump - Remove".

d. Remove the transmission oil pump. Refer to Disassembly and Assembly, "Transmission Oil Pump - Remove".

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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat® products.

Dispose of all fluids according to local regulations and mandates.

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.

---

1. Put identification marks on components for installation purposes.

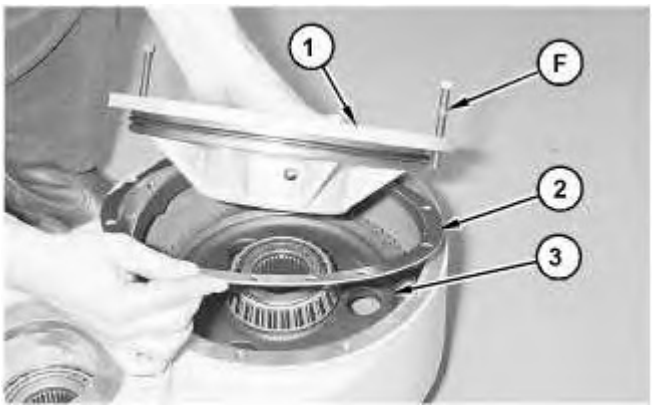

Illustration 1 g01048669

2. Remove the bolts that secure bearing cage (1) to the transfer gear case. Use Tooling (F) in order to separate bearing cage (1) from the transfer gear case.
3. Remove bearing cage (1), shims (2), and pump drive gear (3) from the transfer gear case.

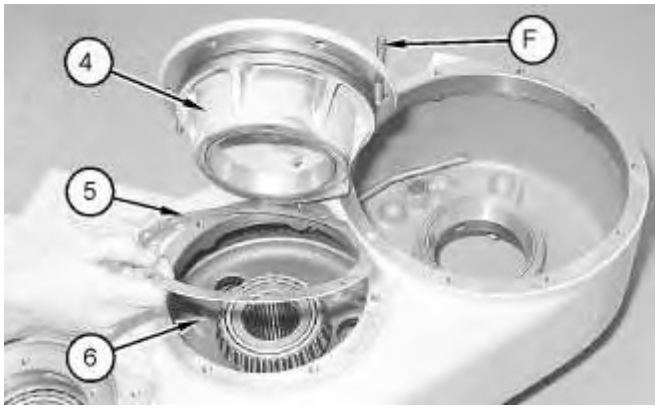

Illustration 2 g01102869

4. Remove the bolts that secure bearing cage (4) to the transfer gear case. Use Tooling (F) in order to separate bearing cage (4) from the transfer gear case.
5. Remove bearing cage (4), shims (5), and gear (6) from the transfer gear case.

Illustration 3 g00529211

6. Remove bearing cups (7) and (8) from the transfer gear case. Attach Tooling (A) and a suitable lifting device onto the transfer gear case. The weight of the transfer gear case is approximately 340 kg (750 lb). Turn over the transfer gear case. Remove Tooling (A).

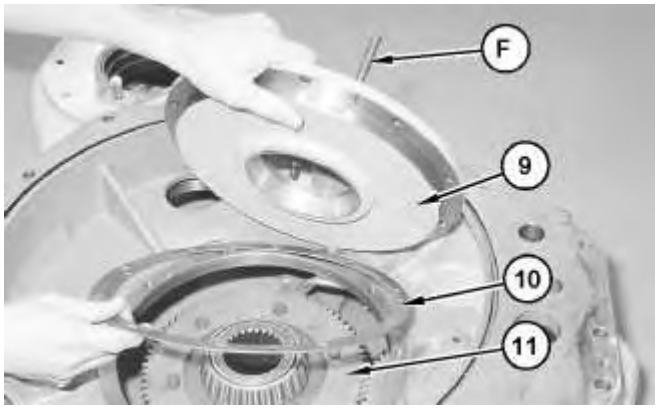

Illustration 4 g01102873

7. Remove the bolts that secure bearing cage (9) to the transfer gear case. Use Tooling (F) in order to separate bearing cage (9) from the transfer gear case.

8. Remove bearing cage (9), shims (10), and gear (11) from the transfer gear case.

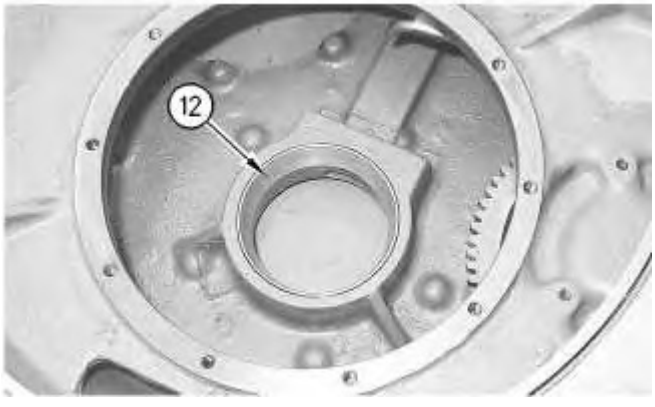

Illustration 5 g00529214

9. Remove bearing cup (12) from the transfer gear case. Attach Tooling (A) and a suitable lifting device onto the transfer gear case. Turn over the transfer gear case.

Thank you so much for reading.

Please click the “Buy Now!” button below to download the complete manual.

After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email:

ebooklibonline@outlook.com