

Product: WHEEL TRACTOR

Model: 623G WHEEL TRACTOR DBC

Configuration: 623G Wheel Tractor DBC00001-UP (MACHINE) POWERED BY C15 Engine

## Disassembly and Assembly

### 621G and 623G

### Wheel Tractor-Scrapers

### Power Train

Media Number -REN7497-00

Publication Date -01/08/2005

Date Updated -04/08/2005

i02330950

## Retarder and Bearing Cage (Drive Shaft) - Disassemble

SMCS - 3120-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	1P-0510	Driver Gp	1
	8B-7551	Bearing Puller Gp	1
C	8B-7551	Bearing Puller Gp	1
	8B-7548	Push-Puller Tool Gp	1
	3H-0465	Push-Puller Plate	4
	5F-7353	Washer	1
	8B-7550	Push-Puller Leg	2
	126-7176	Forcing Screw	1
D	-	Forcing Bolts 1/2 - 13 NC by 3 inch	2
E	1P-0510	Driver Gp	1

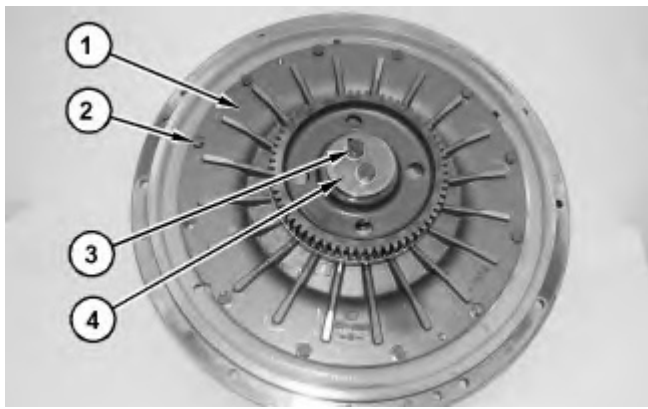


Illustration 1

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1. Remove bolts (3) and retainer (4). Remove bolts (2) from stator (1) .

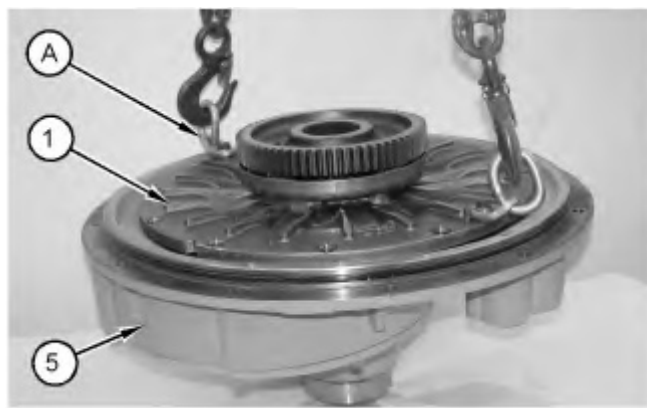


Illustration 2

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2. Install Tooling (A) and a suitable lifting device to stator (1). Remove stator (1) from housing (5). The weight of stator (1) is approximately 23 kg (50 lb).



Illustration 3

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3. Remove bolts (6) and spider (7) .

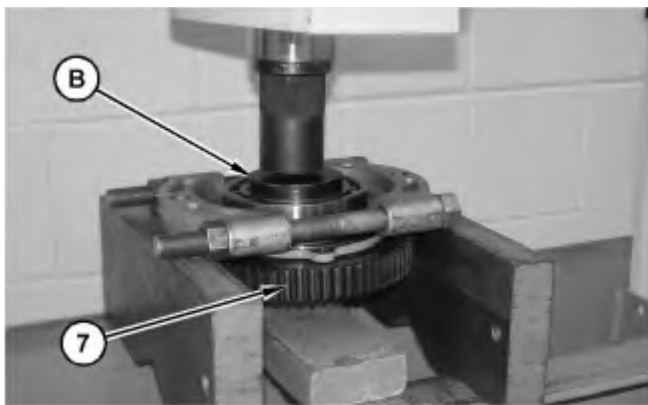


Illustration 4

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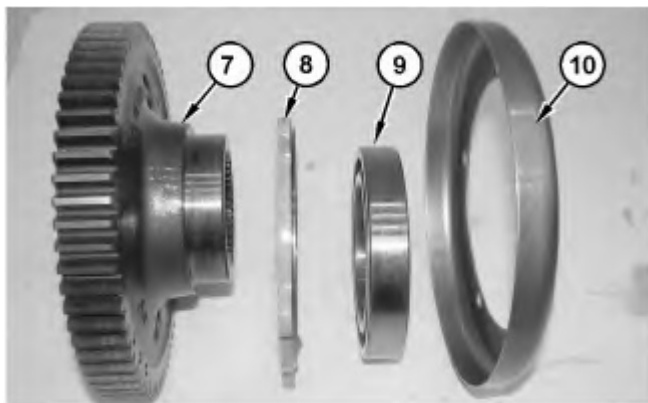
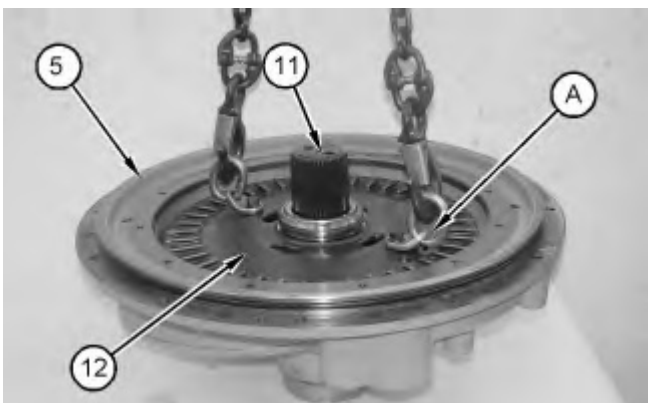


Illustration 5

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4. Remove deflector (10) from spider (7). Use Tooling (B) and a suitable press to remove bearing (9). Remove retainer (8) .



5. Install Tooling (A) and a suitable lifting device to rotor (12). Remove rotor (12) and shaft (11) from housing (5) .



Illustration 7

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6. Remove rings (13) and rings (14) from both sides of the rotor.

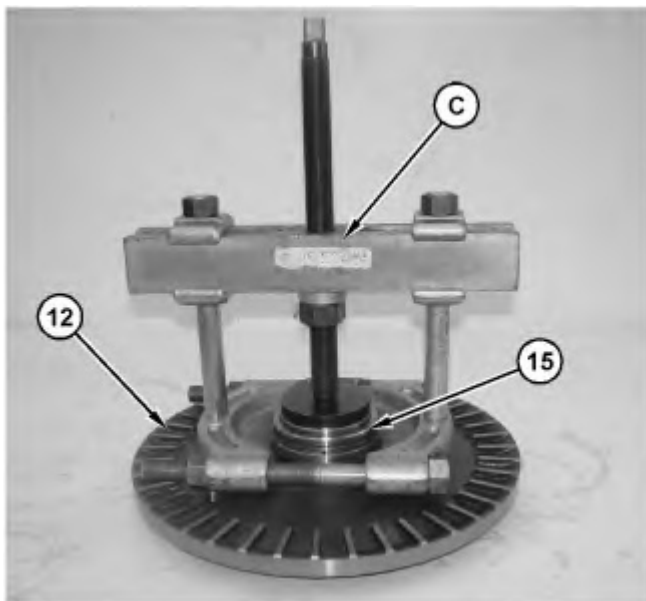


Illustration 8

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7. Use Tooling (C) to remove carriers (15) from both sides of rotor (12) .
-

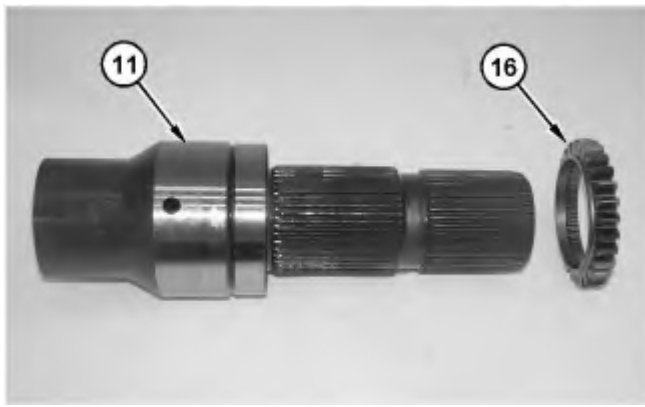


Illustration 9

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8. Remove gear (16) from shaft (11) .



Illustration 10

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9. Remove bolts (17) .



Illustration 11

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10. Use Tooling (D) in order to remove cover (18) from housing (5) .

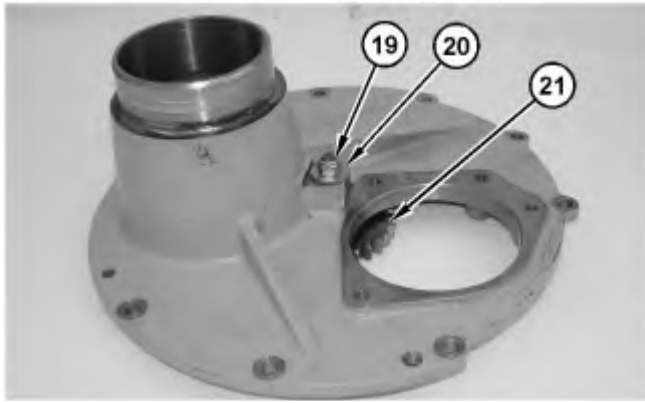


Illustration 12

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11. Remove nut (19), retainer (20), and gear (21) .

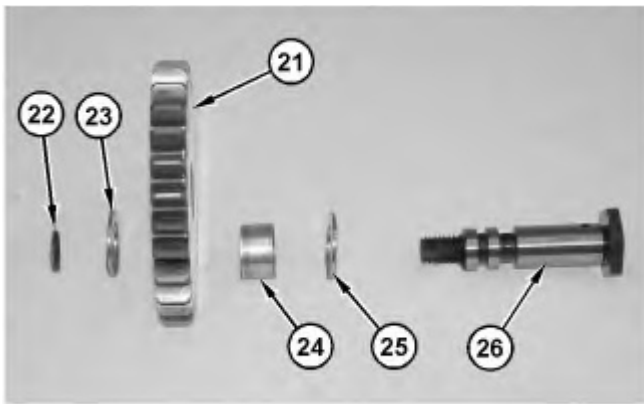


Illustration 13

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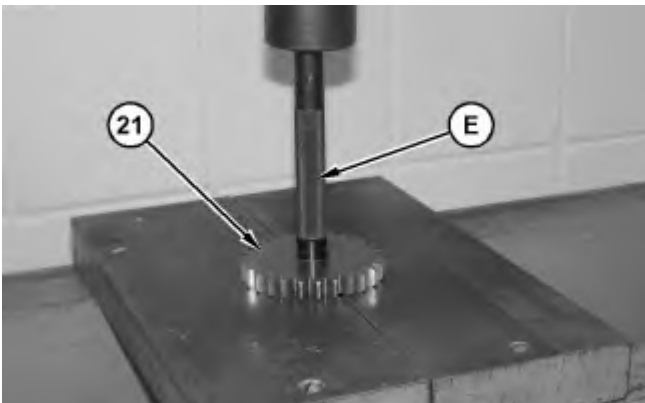


Illustration 14

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12. Remove O-ring seal (22), washer (23), washer (25), and shaft (26) from gear (21) .

13. Use Tooling (E) and a suitable press to remove bearing (24) from gear (21) .



Illustration 15

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14. Remove O-ring seal (27), bearing (28), and seal (29) from cover (18) .

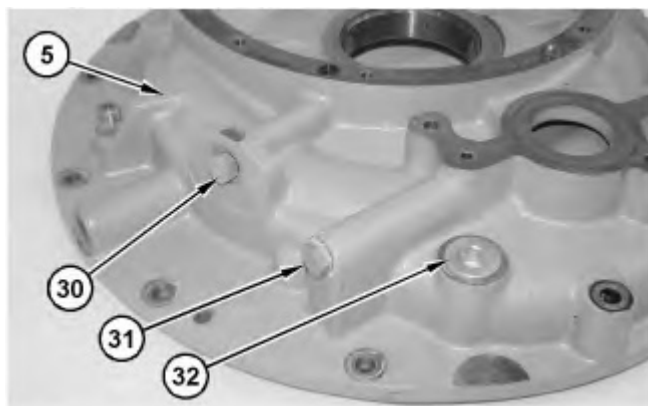


Illustration 16

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15. Remove plugs (30), (31), and (32) from housing (5) .

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