

Product: WHEEL TRACTOR  
Model: 637K WHEEL TRACTOR WTX  
Configuration: 637K Wheel Tractor Scraper WTX00001-UP (MACHINE)

## Disassembly and Assembly 631K and 637K Wheel Tractor Scraper Power Train

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i02176953

# Torque Converter - Disassemble

SMCS - 3101-015

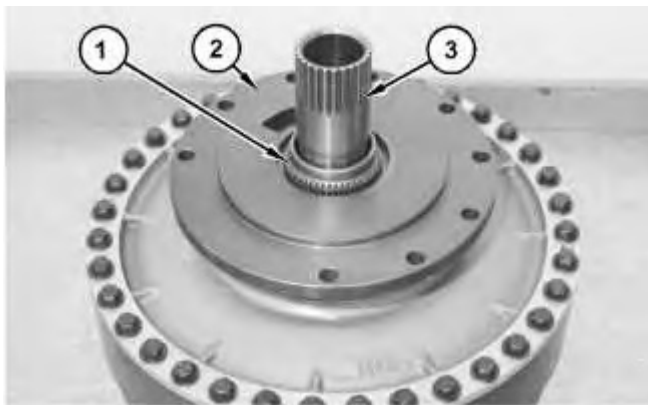
## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	2P-8312	Retaining Ring Pliers	1
B	1P-0510	Driver Group	1
C	-	Forcing Bolts 3/8 - 16 NC by 4 inch	2

### Start By:

- a. Remove the torque converter. Refer to Disassembly and Assembly, "Torque Converter - Remove".



1. Use Tooling (A) in order to remove retaining ring (1) from carriage support assembly (2). Remove carriage support assembly (2) from hub (3). Use Tooling (B) and a suitable hydraulic press in order to remove the sleeve bearing from carriage support assembly (2).

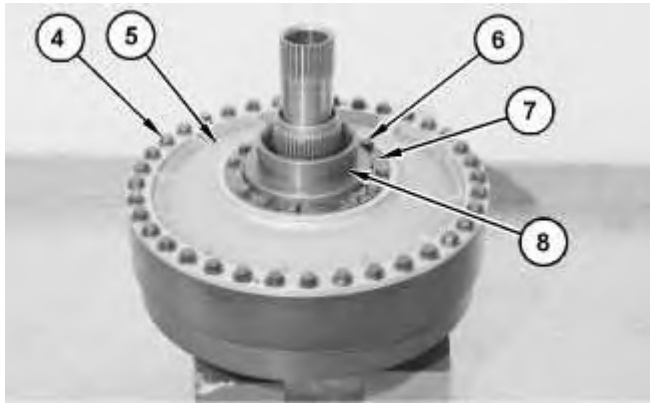


Illustration 2

2. Remove bolts (4) from impeller (5). Remove bolts (6) and clamp plate (7) from impeller hub (8).

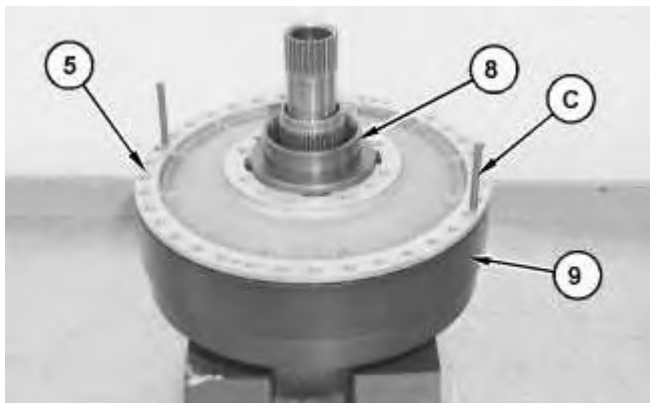


Illustration 3

3. Install Tooling (C) into impeller (5). Use Tooling (C) in order to remove impeller (5) and impeller hub (8) from housing (9).
-

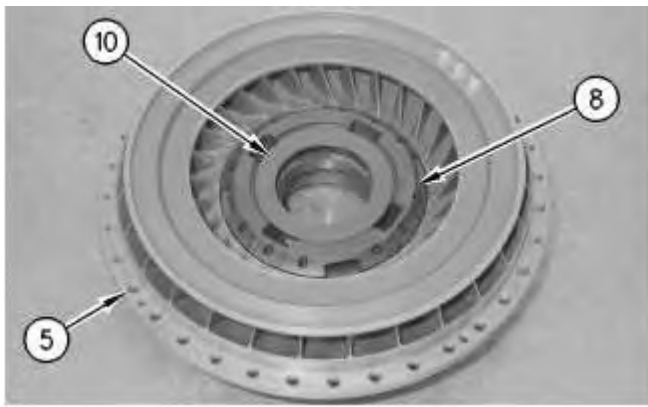


Illustration 4

g00525305

4. Remove thrust race (10) from impeller (5). Remove impeller hub (8) from impeller (5).

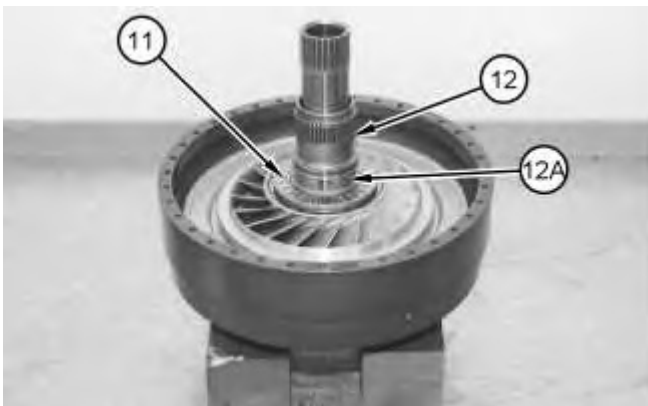


Illustration 5

g01108447

5. Remove thrust bearing (11) and seal ring (12A) from carrier assembly (12).



Illustration 6

g00525308

6. Remove carrier assembly (12) and stator (13) as a unit from housing (9).

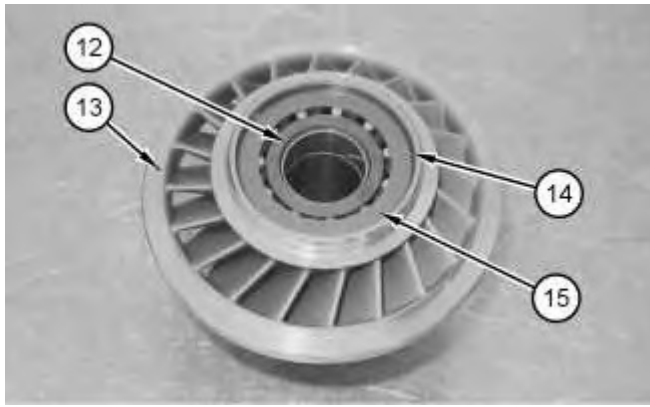


Illustration 7

g01102577

7. Position carrier assembly (12) and stator (13), as shown. Use Tooling (A) in order to remove retaining ring (14) from stator (13). Remove thrust race (15) from stator (13).

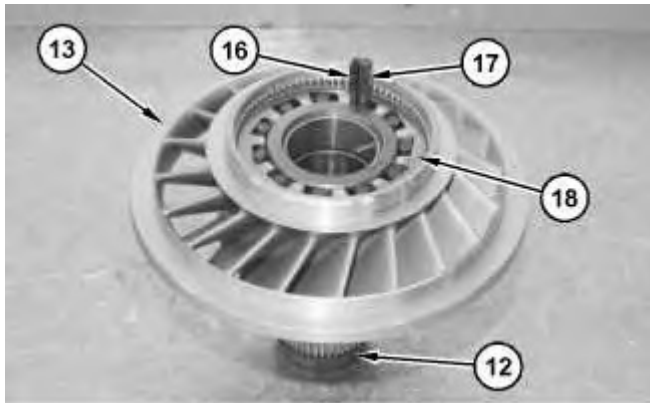


Illustration 8

g01102579

8. Remove freewheel rollers (17) and freewheel springs (16) from freewheel cam (18). Remove stator (13) from carrier assembly (12).

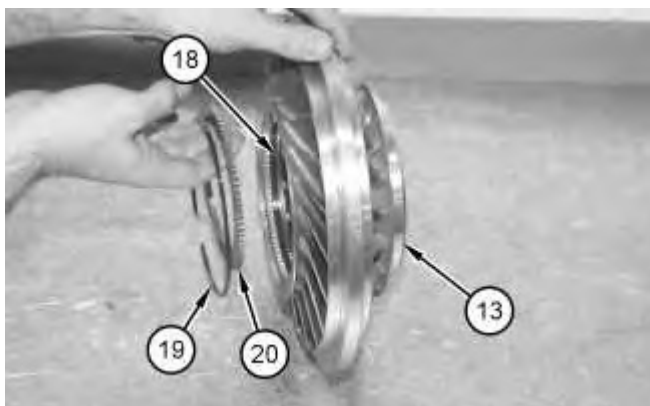


Illustration 9

g01102580

9. Use Tooling (A) in order to remove retaining ring (19) from stator (13). Remove side plate (20) from stator (13).

10. Use Tooling (B) and a suitable press in order to remove freewheel cam (18) from stator (13).

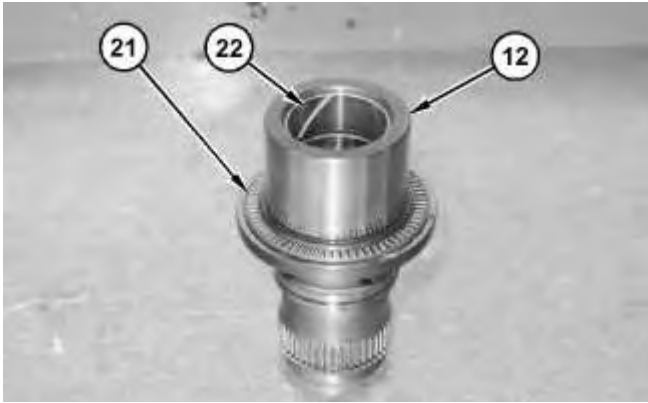


Illustration 10

g01102581

11. Remove thrust bearing (21) from carrier assembly (12). Remove sleeve bearing (22) from carrier assembly (12).

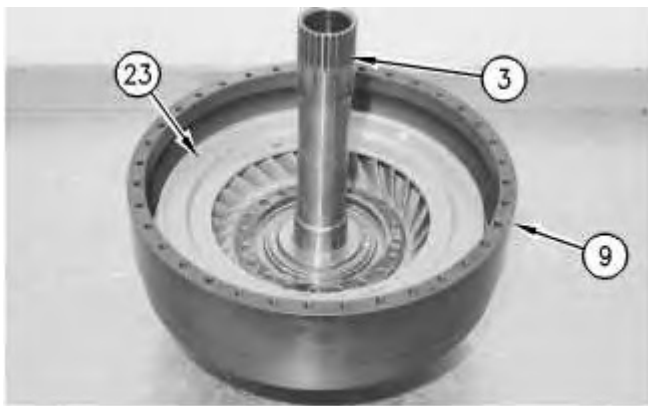


Illustration 11

g00525315

12. Remove turbine (23) and hub (3) as a unit from housing (9).

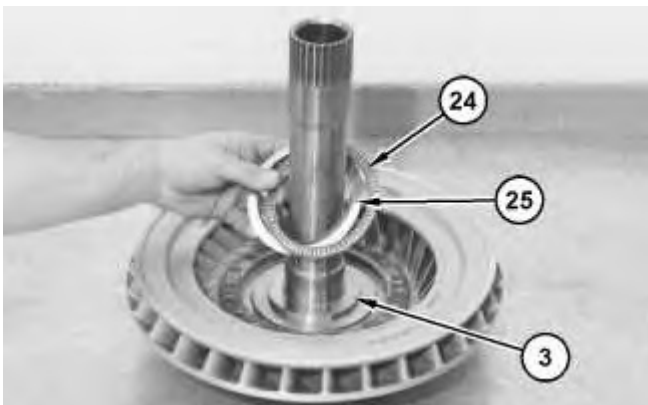


Illustration 12

g01102582

13. Remove thrust bearing (24) and thrust race (25) from hub (3).

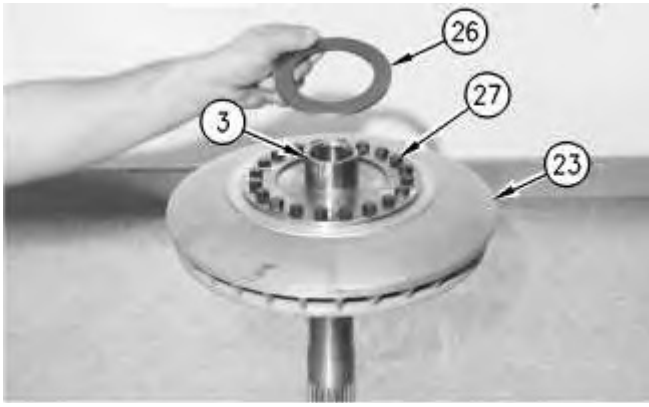


Illustration 13

g00525320

14. Position turbine (23), as shown. Remove thrust race (26) from hub (3). Put an alignment mark on turbine (23) and hub (3) for installation purposes. Remove bolts (27) from turbine (23).

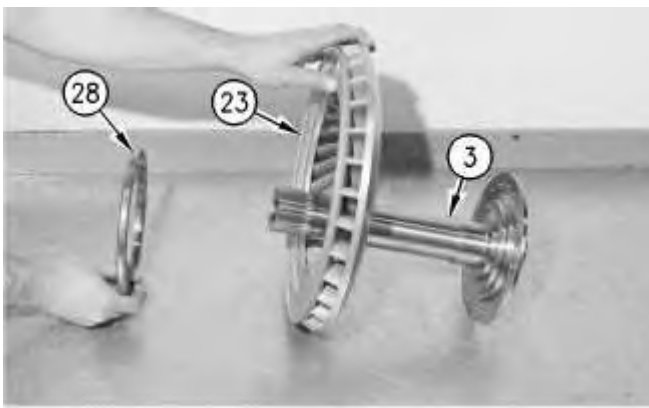


Illustration 14

g00525321

15. Remove clamp ring (28) and turbine (23) from hub (3).

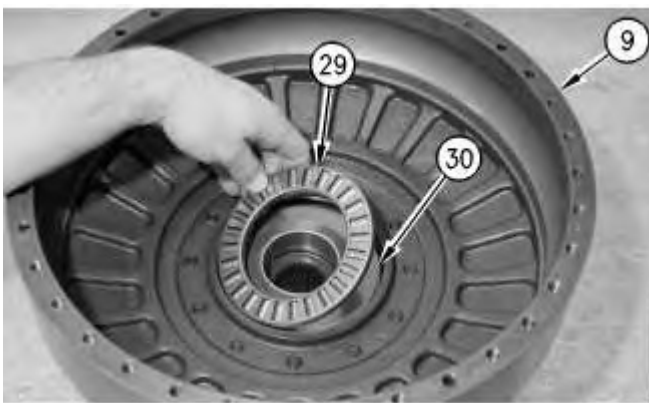


Illustration 15

g00525322

16. Remove thrust bearing (29) and thrust race (30) from housing (9).

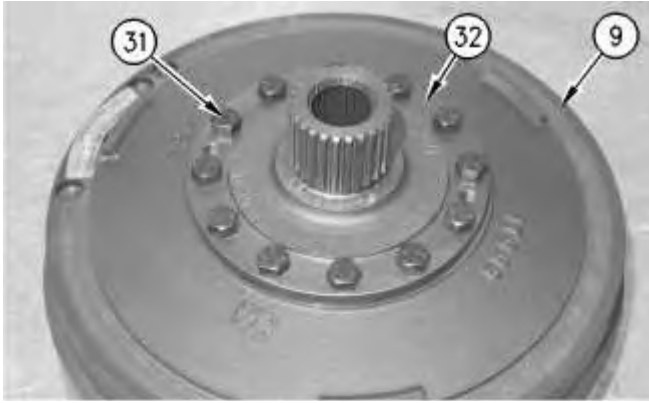


Illustration 16

g00528612

17. Remove bolts (31) and flange (32) from housing (9).

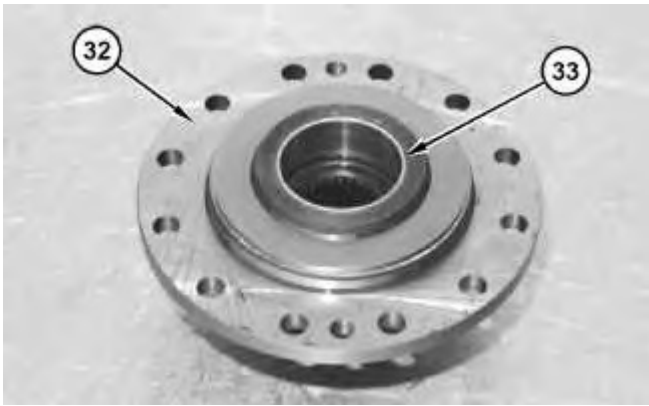


Illustration 17

g01102583

18. Remove sleeve bearing (33) from flange (32).
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