

Product: TRACK-TYPE TRACTOR

Model: D6M TRACK-TYPE TRACTOR 4HS

Configuration: D6M XL & D6M LGP TRACTORS / POWERSHIFT / 4HS00001-UP (MACHINE) POWERED BY 3116 ENGINE

Disassembly and Assembly D6M Track-Type Tractor Power Train

Media Number -SEN8387-06

Publication Date -01/11/2010

Date Updated -31/07/2018

i00963856

Bevel and Transfer Gears - Disassemble

SMCS - 3011-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	5F-7343	Bearing Puller Attachment	1
B	8T-2839	Spanner Wrench	1
C	2P-8312	External Retaining Ring Pliers	1

Start By:

- Separate the transmission and the bevel gears. Refer to Disassembly and Assembly, "Transmission and Bevel Gears - Separate".

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Dirt and contaminants can damage the components. All disassembly and assembly procedures must be performed on a clean work surface. Clean all the interior components in clean solvent. Dry all the interior components with compressed air. Plug ports and plug hoses on the machine during repair.

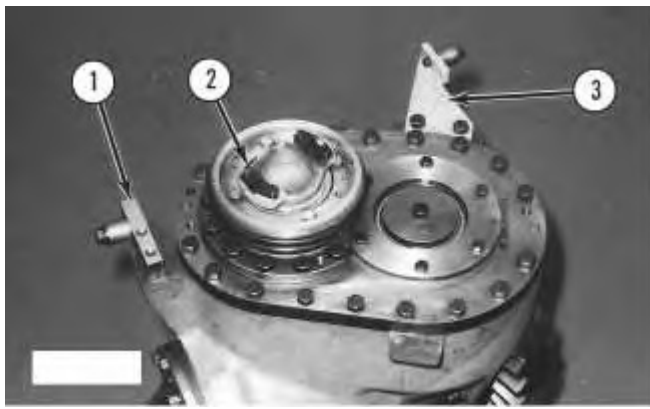


Illustration 1

g00742877

1. Remove bracket assemblies (1) and (3) from the bevel gear case. Remove the two magnetic sensors (not shown) from bevel gear case.
2. Remove yoke (2).



Illustration 2

g00742880

3. Remove four bolts (4). Install two 10 mm forcing screws in the carrier in order to free the carrier (5). Tighten the screws evenly and remove the carrier.
4. Remove O-ring seal (6) from carrier (5).



Illustration 3

g00742884

5. Remove bolts (7). Install two 12 mm forcing screws in the cage in order to free the cage (8). Tighten the screws evenly and remove cage (8) and shims (9).

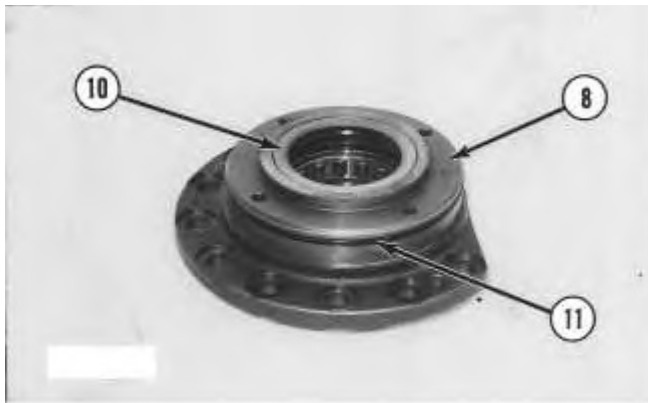


Illustration 4

g00742886

6. Remove seal (10) and O-ring seal (11) from cage (8).



Illustration 5

g00742885

7. If necessary, remove bearing cup (12) and bearing (13) from cage (8).

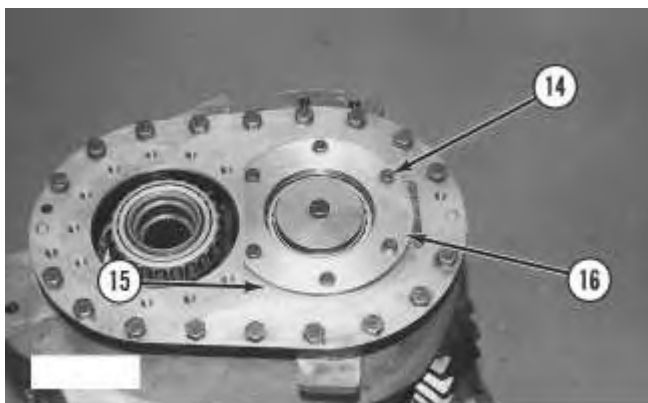


Illustration 6

g00742887

8. Remove bolts (14). Remove cover (16). Remove shims (15).

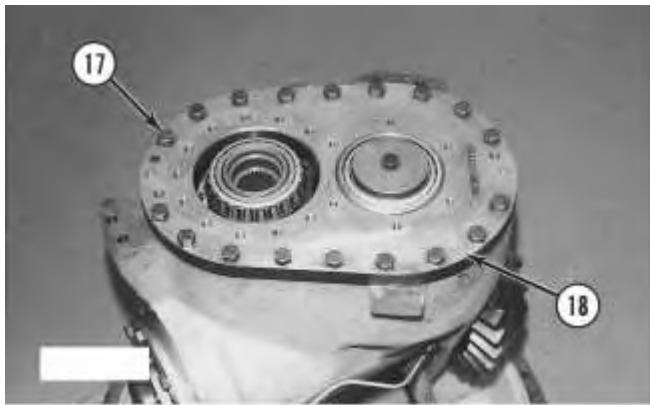


Illustration 7

g00742888

9. Remove bolts (17). Install two 12 mm forcing screws in the cover in order to free the cover (18). Tighten the screws evenly and remove the cover.

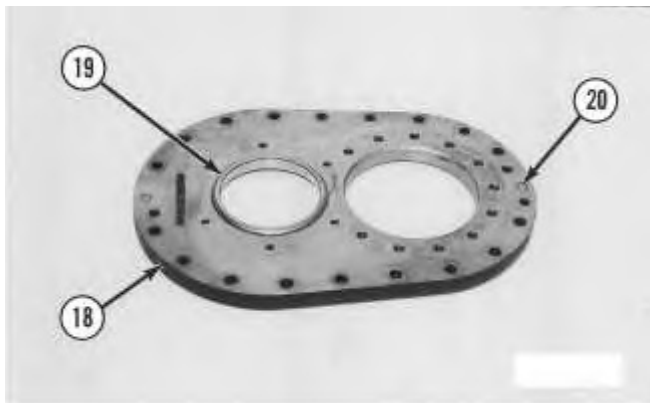


Illustration 8

g00742889

10. If necessary, remove dowels (20) and remove bearing cup (19) from cover (18).

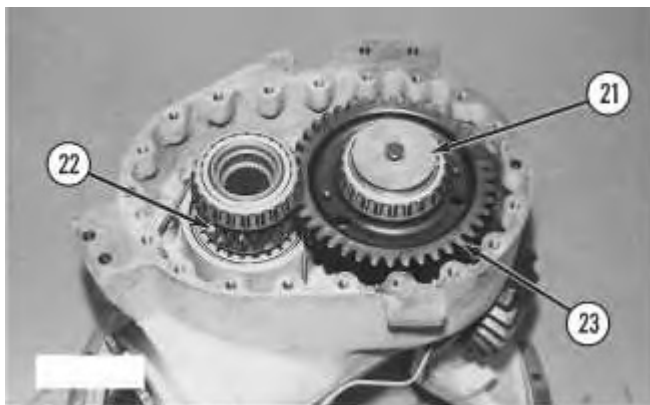


Illustration 9

g00742890

Note: Gears (22) and (23) must be removed from the case assembly at the same time.

11. Remove gear (22) and gear (23) from the case assembly.
12. Remove the bolt and retainer (21) from the gear.

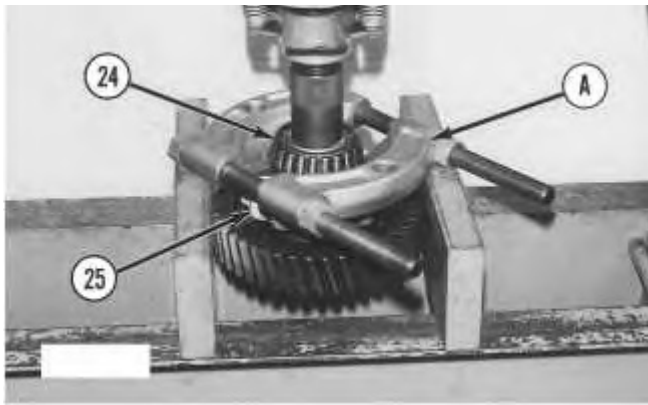


Illustration 10

g00742891

13. Use a press and Tooling (A) to remove bearing cone (24) from pinion (25).

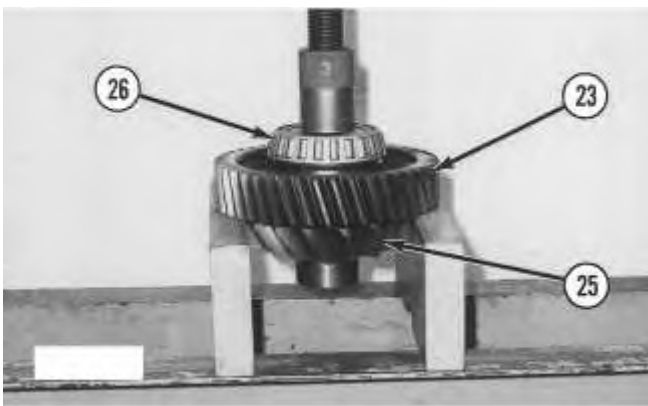


Illustration 11

g00742892

14. Use a press in order to remove bearing cone (26) and pinion (25) from gears (23).

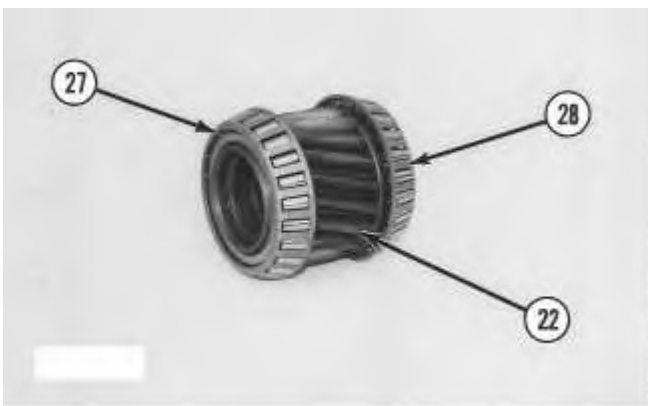


Illustration 12

g00742893

NOTICE

Bearing cones (27) and (28) must be destroyed in order to remove them from the gear.

15. If necessary, remove bearing cones (27) and (28) from gear (22).



Illustration 13

g00742894

16. If necessary, remove bearing cups (29) and (30) from the case assembly.



Illustration 14

g00742895

17. Bend the tab on washer (31) away from nut (32). Use Tooling (B) in order to remove the nut from the bevel gear shaft. Remove washer (31) and the washer from the shaft.
-

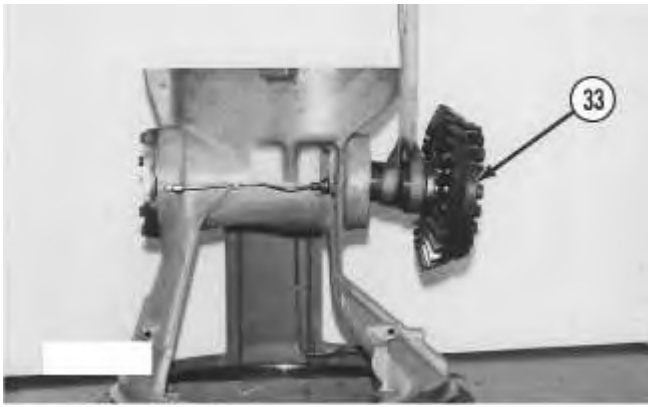


Illustration 15

g00742896

18. Slide shaft (33) enough to attach a suitable lifting device to the shaft. Fasten a suitable lifting device to shaft (33), and remove the shaft from the case assembly. The weight of the shaft is 39 kg (86.0 lb).



Illustration 16

g00742897

19. Use Tooling (C) in order to remove snap ring (35) from shaft (33). Remove bearing (34) from the shaft.

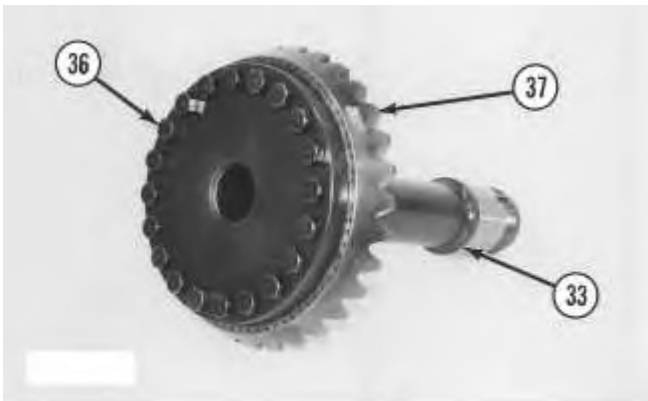


Illustration 17

g00742898

20. Remove bolts (36) that hold gear (37) to shaft (33). Remove the gear from the shaft.

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