



Service Repair Manual

Models

D6M TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6M TRACK-TYPE TRACTOR 3WN

Configuration: D6M TRACK-TYPE TRACTOR XL, LGP 3WN00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly D6M Track-Type Tractor Power Train

Media Number -SEN8387-06

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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:

- a. 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.

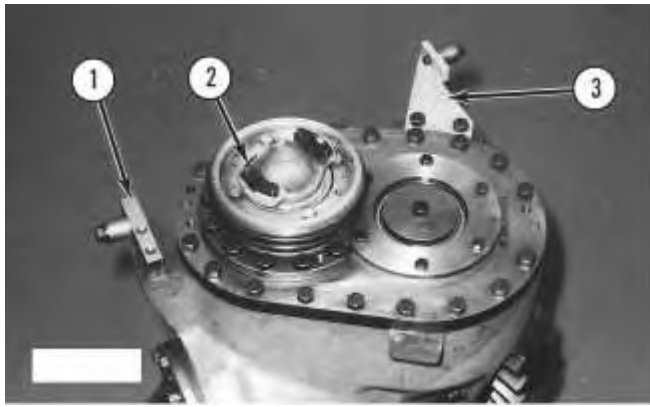


Illustration 1

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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

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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

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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).

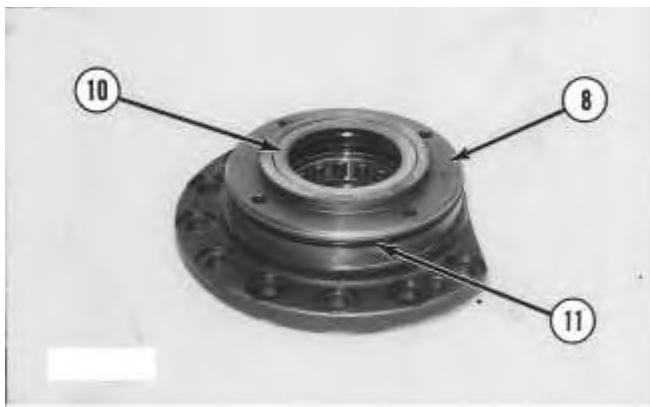


Illustration 4

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



Illustration 5

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

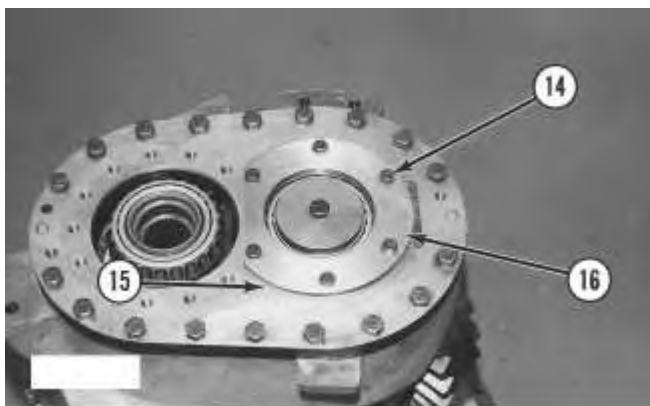


Illustration 6

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

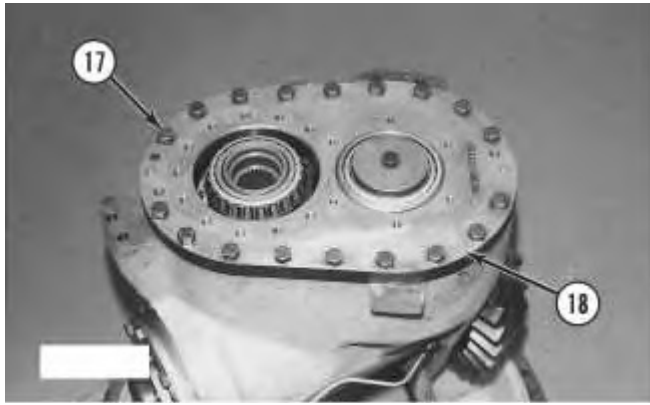


Illustration 7

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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.

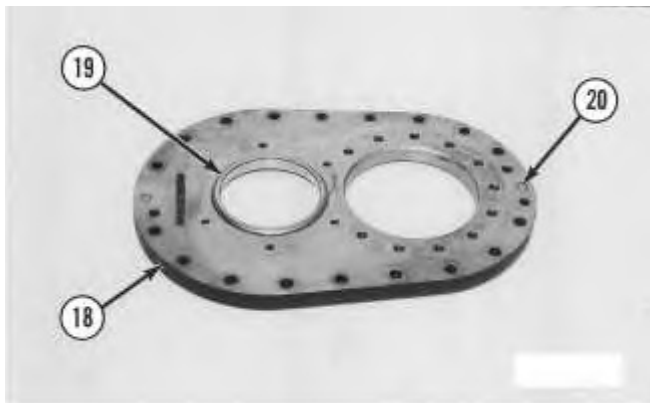


Illustration 8

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

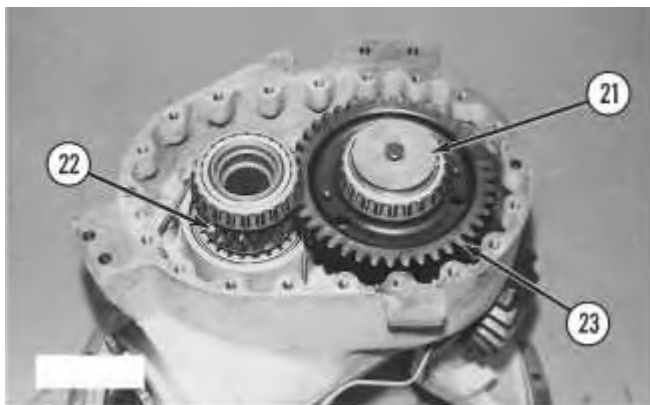


Illustration 9

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

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