



Service Repair Manual

Models

D6M TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6M TRACK-TYPE TRACTOR 9ZM

Configuration: D6M & D6M LGP Track-Type Tractor 9ZM00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly D6M Track-Type Tractor Power Train

Media Number -SEN9482-04

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i04520390

Transmission - Disassemble

SMCS - 4170-077

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
D	5P-4758	Retaining Ring Pliers As	1
E	8B-7548	Push-Puller Tool Gp	1
	6H-1627	Spacer	1
F	1P-1863	Retaining Ring Pliers	1
G	1P-1859	Retaining Ring Pliers	1
L	8H-0663	Bearing Puller Gp	1

Start By:

- A. Separate the transmission and bevel gears. Refer to Disassembly and Assembly, "Transmission and Bevel Gears-Separate".
 - B. Remove the transmission hydraulic control valves. Refer to Disassembly and Assembly, "Transmission Hydraulic Control Valve-Remove".
 1. Place the transmission on Tooling (A) .
-



Illustration 1

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2. Install Tooling (B) in housing (1) . Fasten a suitable lifting device to Tooling (B) .
3. Support the weight of housing (1) with a suitable lifting device. Use Tooling (A) in order to remove snap ring (2) .
4. Remove bolts (4) and manifold (3) from the planetary group.

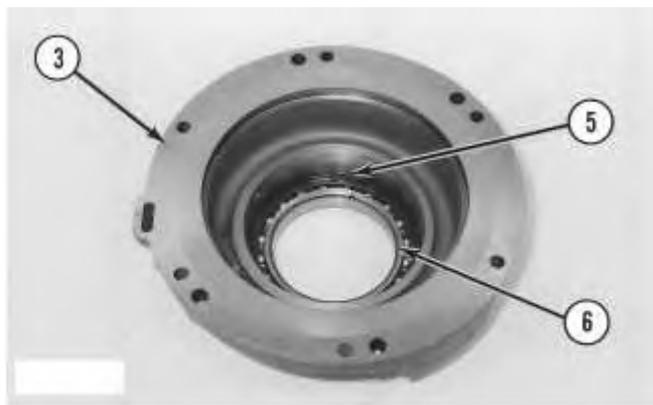


Illustration 2

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5. Remove ring (5) and bearing (6) from housing (3) .
-

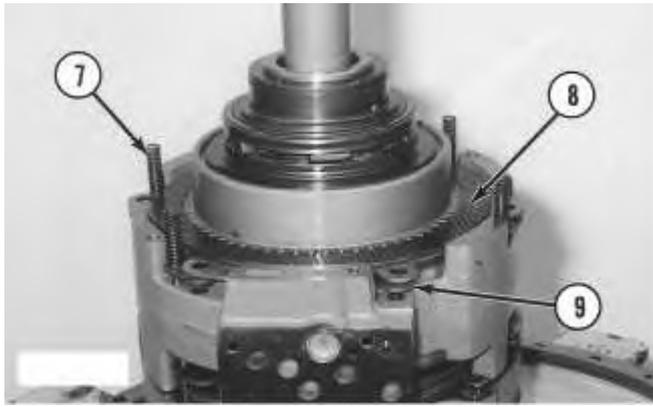


Illustration 3

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6. Remove plates (9) and discs (8) . Remove springs (7) .



Illustration 4

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7. Remove piston (10) from the housing assembly.

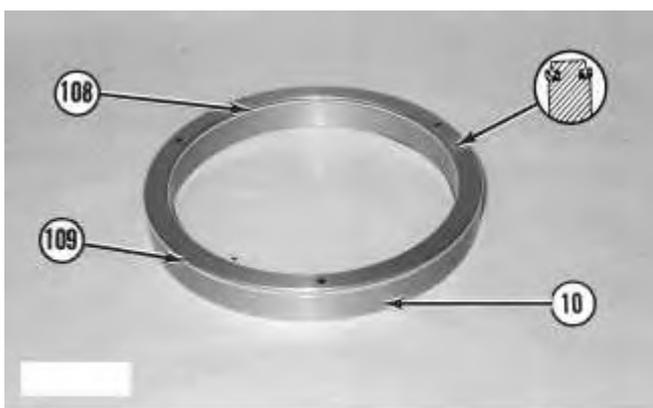


Illustration 5

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8. Remove ring (108) and (109) from piston (10) .



Illustration 6

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9. Install Tooling (B) in housing (1) . Fasten a suitable lifting device to Tooling (B) .
10. Use Tooling (D) in order to compress ring (12) . Remove housing (1) .

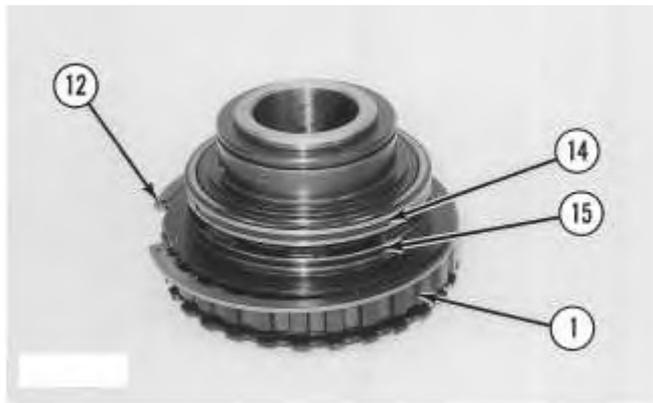


Illustration 7

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11. Remove rings (14) and (15) from the carrier.
 12. Remove ring (12) from housing (1) .
-

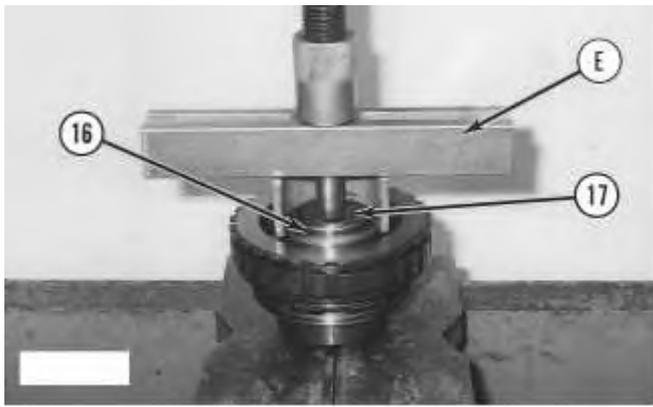


Illustration 8

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13. Use Tooling (E) and a press in order to compress the springs in housing (1) . Remove spiral lock ring (16) from coupling (17) . Slowly release the spring tension with the press.

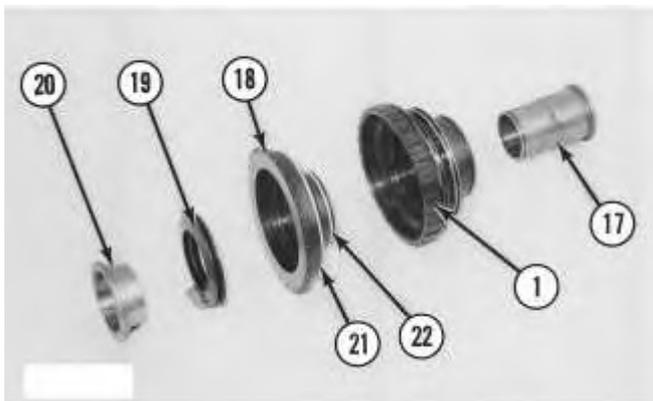


Illustration 9

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14. Remove springs (19) and plate (20) . Remove piston (18) and coupling (17) from housing (1) .
15. Remove rings (21) and (22) from piston (18) .



- 16.
17. Remove pin (23) and pin (25) from carrier (24) .
18. If necessary, break carrier (24) , and remove carrier (24) from housing assembly (1) .

Note: On later transmissions, carrier (24) and housing assembly (1) are one piece.

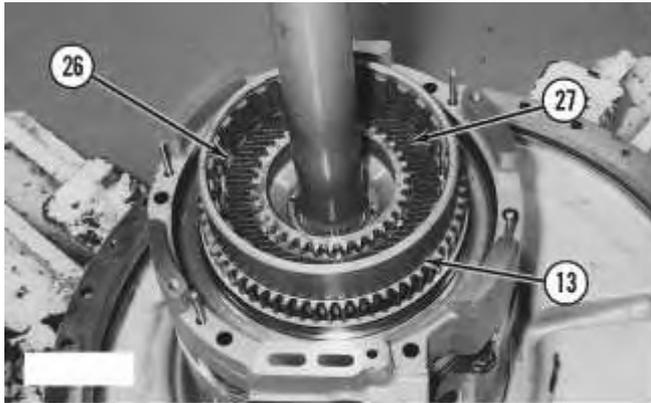


Illustration 11

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19. Remove discs (27) and plates (26) from gear (13) .

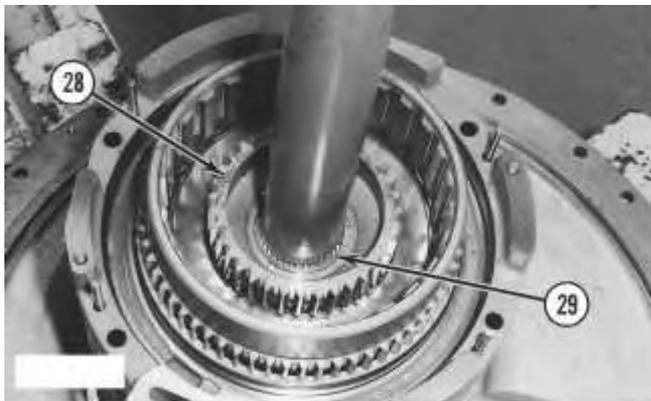


Illustration 12

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20. Use Tooling (F) in order to remove snap ring (29) . Remove gear (28) in position on the shaft.

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