



Service Repair Manual

Models

140M Motor Grader

Product: MOTOR GRADER
Model: 140M MOTOR GRADER B9D
Configuration: 140M Motor Grader B9D00001-UP (MACHINE)

Disassembly and Assembly C9 Engines for Caterpillar Built Machines

Media Number -REN9579-20

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i03582800

Gear Group (Rear) - Remove and Install

SMCS - 1206-010; 1212-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0520	Driver Gp	1
B	1P-0510	Driver Gp	1

Start By:

- A. Remove the flywheel and pump drive gear. Refer to Disassembly and Assembly, "Flywheel - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

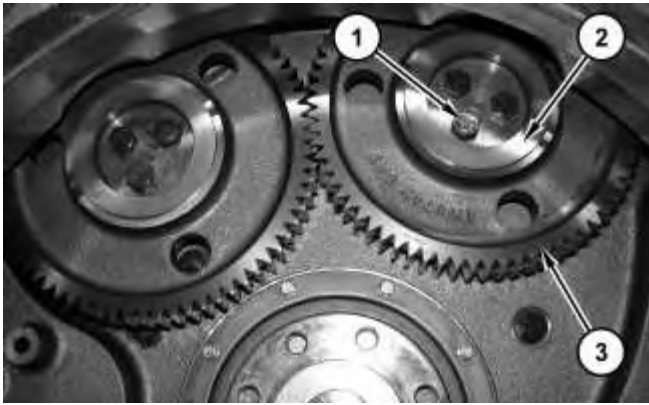


Illustration 1

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1. Remove bolts (1) and remove retainer (2). Remove gear assembly (3) .



Illustration 2

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2. Use Tooling (A) in order to remove bushing (4) from gear assembly (3) .
3. Repeat Steps 1 and 2 for the opposite side.

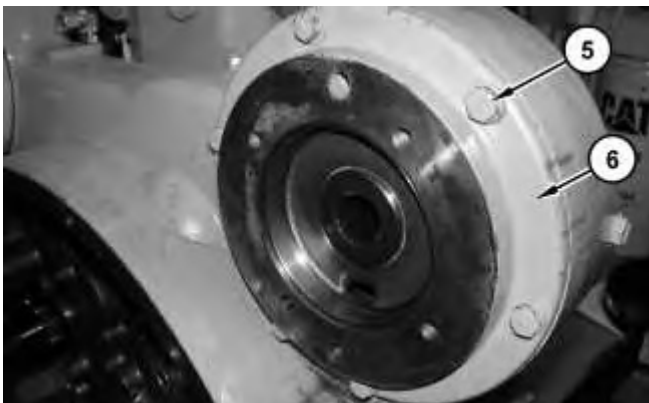


Illustration 3

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4. Remove bolts (5). Remove adapter (6) and the O-ring seal.

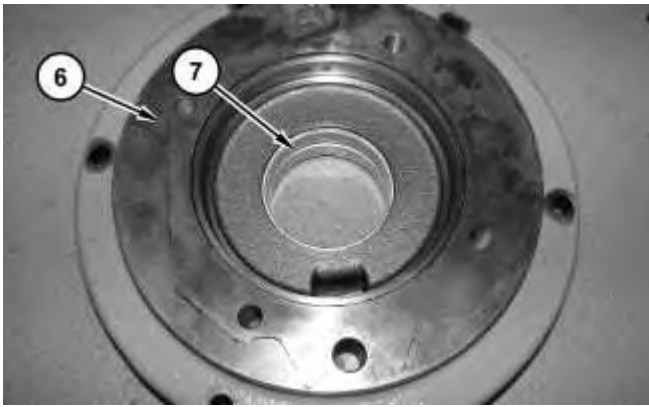


Illustration 4

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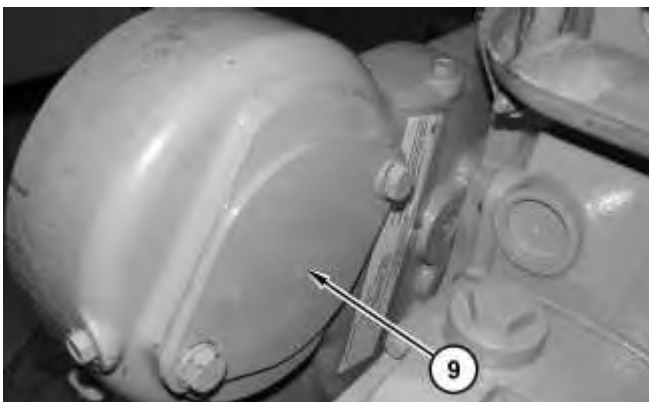
5. Use Tooling (B) in order to remove bearing (7) from adapter assembly (6) .



Illustration 5

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6. Remove gear assembly (8) .



7. Remove cover (9) and the O-ring seal.

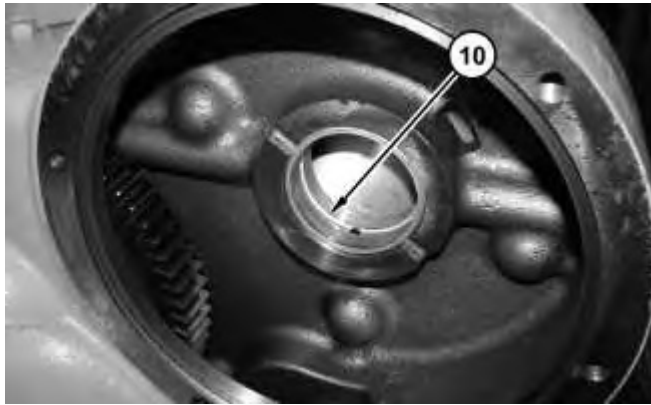


Illustration 7

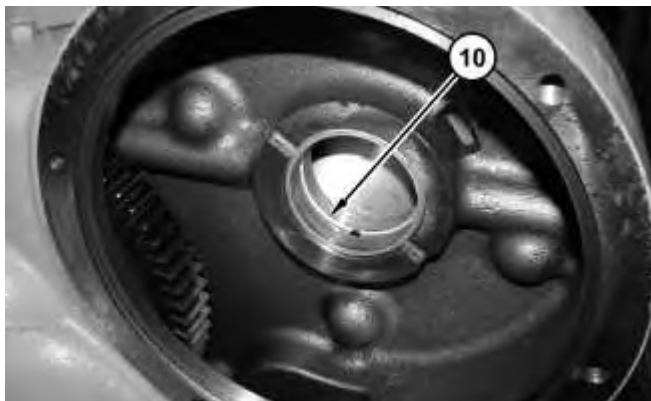
8. Use Tooling (B) in order to remove bearing (10) .
9. Repeat Steps 4 through 8 for the opposite side.

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

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