



Service Repair Manual

Models

160M 3 AWD MOTOR GRADER

Product: MOTOR GRADER

Model: 160M 3 AWD MOTOR GRADER N9T

Configuration: 160M Series 3 Motor Grader-All Wheel Drive N9T00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly

12M Series 3, 140M Series 3 and 160M Series 3 Motor Graders Machine Systems

Media Number -UENR3488-02

Publication Date -01/09/2018

Date Updated -24/09/2018

i02649335

Piston Pump (Hydraulic and Steering) - Assemble

SMCS - 4306-016; 5070-016

Assembly Procedure

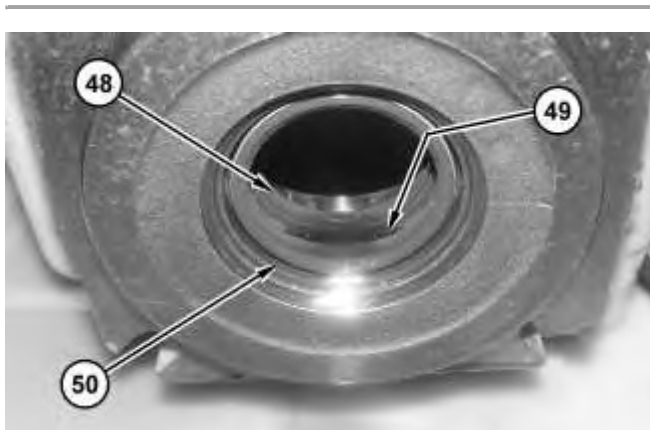


Illustration 1

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1. Install lip seal (48).
 2. Use Tooling (C) in order to install retaining ring (49).
 3. Install lip seal (50).
-

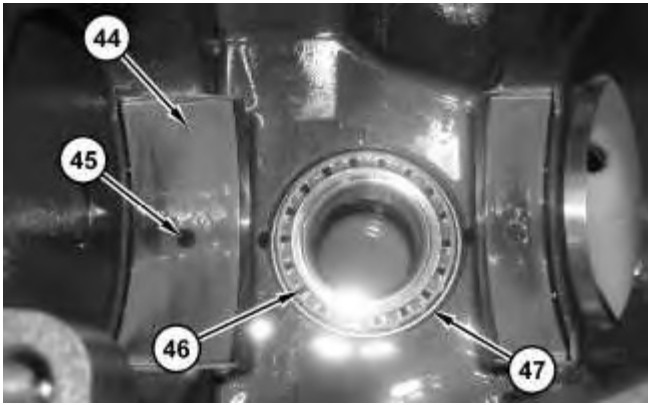


Illustration 2

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4. Install screws (45), bearings (44), bearing cone (46), and bearing cup (47).

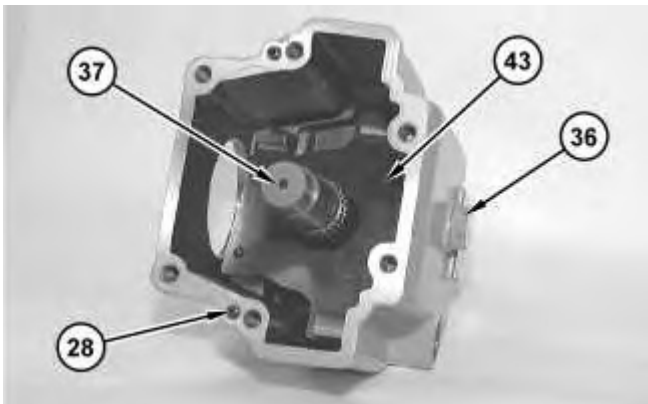


Illustration 3

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5. Install swashplate (43).
6. Install shaft (37).
7. Install plug (36).
8. Install dowel (28).

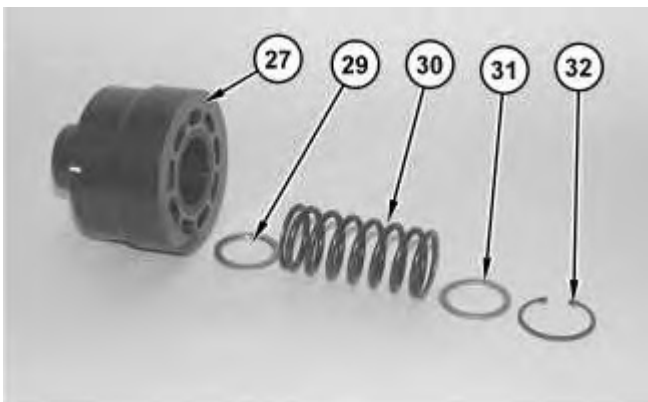


Illustration 4

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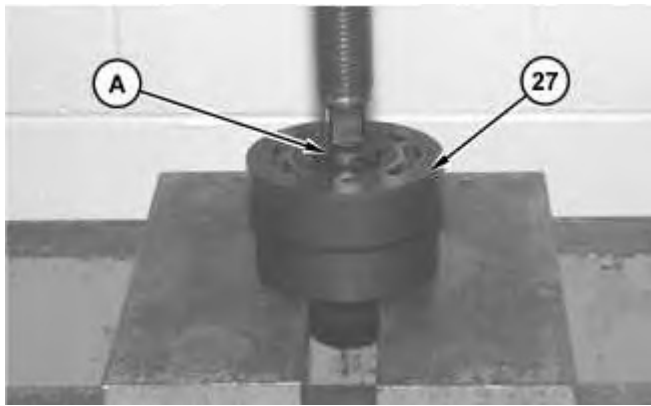


Illustration 5

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 **WARNING**

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

9. Install washer (31), spring (30), and washer (29).
10. Use Tooling (A), Tooling (B) and a suitable press in order to install retaining ring (32) onto barrel (27).

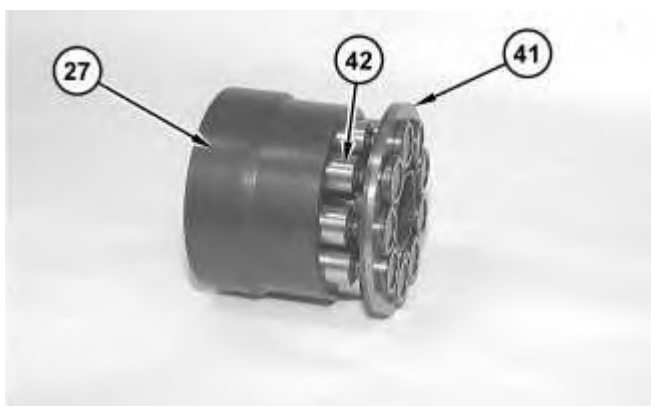


Illustration 6

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11. Install pistons (42) into retainer (41) and barrel (27).
-



Illustration 7

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12. Install barrel (27).

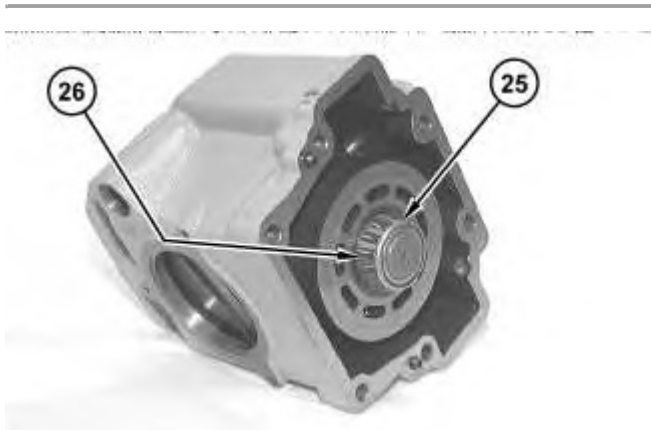


Illustration 8

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13. Install shim (26) and bearing cone (25).

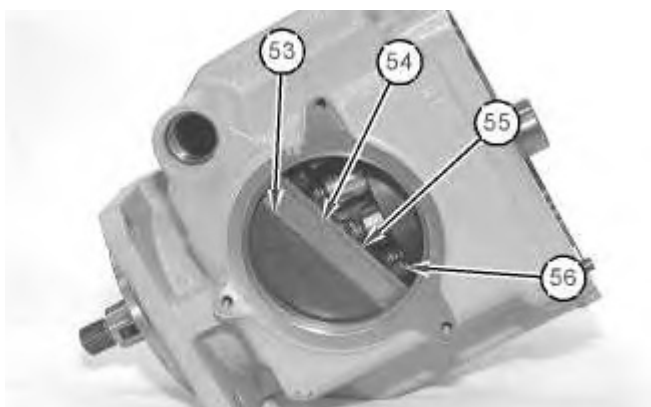


Illustration 9

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