



# Service Repair Manual

## **Models**

# 160M 3 MOTOR GRADER

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Product: MOTOR GRADER

Model: 160M 3 MOTOR GRADER N9L

Configuration: 160M Series 3 Motor Grader N9L00001-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

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i07527645

## Piston Motor (Hydraulic Fan) - Assemble - Reversing

SMCS - 1386-016-QP; 5058-016-FM; 5058-016-HFN; 5058-016

## Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	437-3776	Fixture As.	1
	1U-9129	Adapter Plate	1
	1U-5750	Engine Stand	1
C	8H-0663	Puller	1



Illustration 1

g06340131

1. Install the O-ring seal and fitting (57).

2. Install the O-ring seal and plug (58).



Illustration 2

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3. Install the O-ring seal and fitting (55).
4. Install the O-ring seal and speed sensor (56)



Illustration 3

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5. Install bearings (54).
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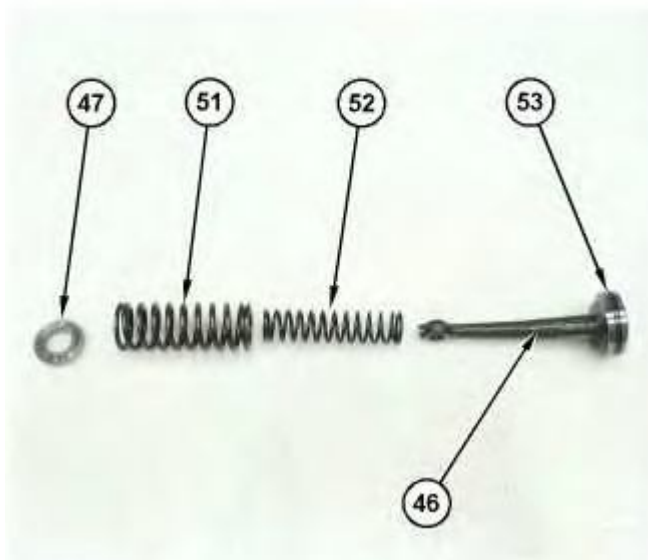


Illustration 4

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**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.**

6. Install seal group (53), spring (52), spring (51), and seat (47) onto piston (46).



Illustration 5

g06340123



**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.**

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7. Install piston (46) onto swashplate (48).
8. Install pin (50) and retaining ring (49).



Illustration 6

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9. Raise seat (47) and tilt piston (46) inward to install swashplate (48).
10. Install guides (45) into housing (30).

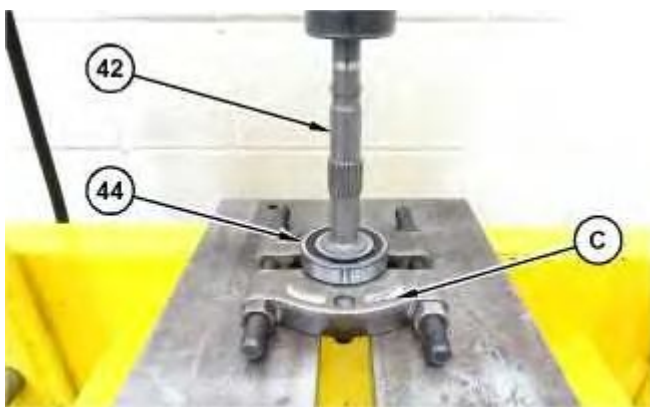


Illustration 7

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