



# Service Repair Manual

## **Models**

# 301.6 Mini Hydraulic Excavator

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Product: MINI HYD EXCAVATOR

Model: 301.6 MINI HYD EXCAVATOR MY6

Configuration: 301.6 Mini Hydraulic Excavator MY600001-UP (MACHINE) POWERED BY C1.1 Engine

## Disassembly and Assembly

### 301.5,301.6,301.7,301.8,302 Mini Hydraulic Excavator Machine Systems

Media Number -M0092231-00

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i07362008

## Blade Cylinder - Disassemble

SMCS - 7562-015-BG

### Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	152-4251	Cylinder Repair Bench	1
B	1P-2853	Spanner Wrench	1
C	280-2060	Offset Spanner Wrench	1
D	8H-8539	1 5/8" Socket	1
	5P-3588	Adapter	1

#### Start By:

- a. Remove blade cylinder.
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Illustration 1

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Illustration 2

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1. Remove seals (1) from barrel end of blade cylinder (2). Remove seals (3) from rod end of blade cylinder (4).

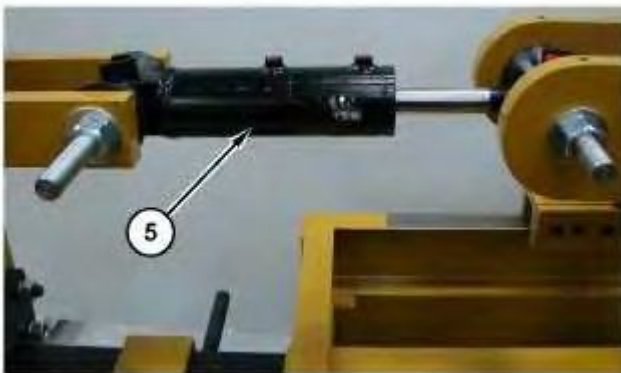
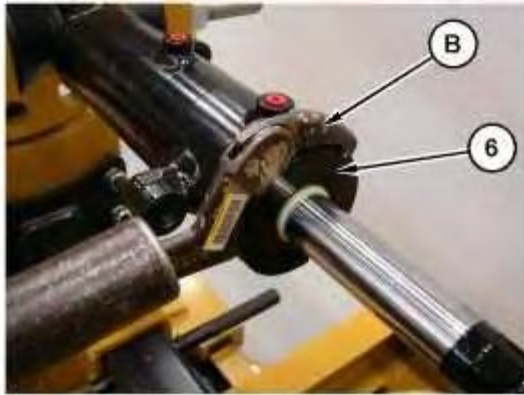


Illustration 3

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2. Mount blade cylinder (5) into Tooling (A).

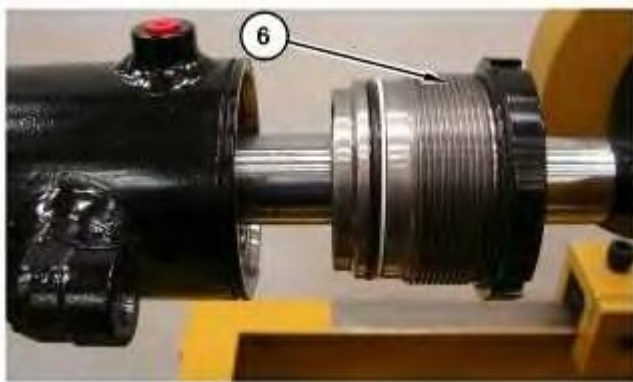


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Illustration 4

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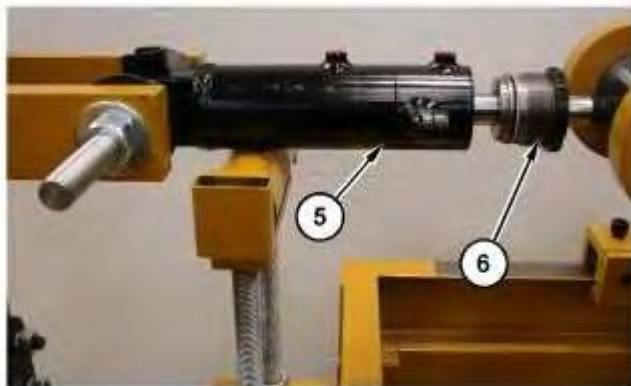
3. Use Tooling (B) to loosen cylinder nut (6).



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Illustration 5

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Illustration 6

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4. Remove cylinder nut (6) from the barrel. Place support under barrel end of cylinder (5).

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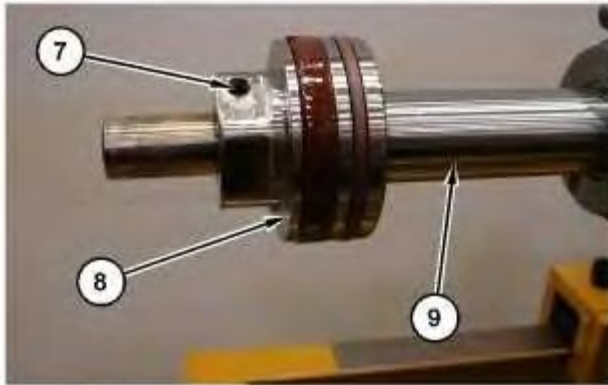


Illustration 7

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5. Back the cylinder bench out to remove rod end (9) from the cylinder barrel. Remove set screw and ball (7) from piston (8).



Illustration 8

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6. Use Tooling (D) to remove piston (8).

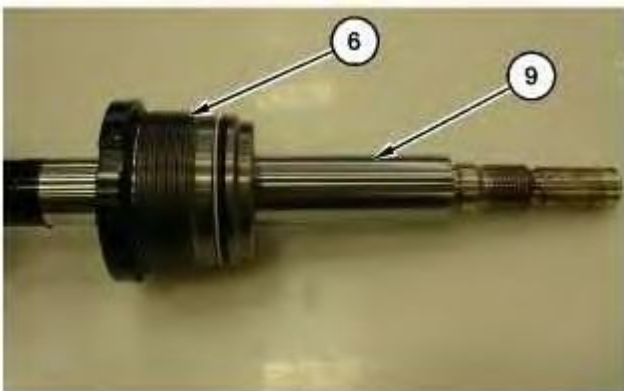


Illustration 9

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7. Remove cylinder nut (6) from rod end (9).

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