

Product: MULTI TERRAIN LOADER

Model: 277B MULTI TERRAIN LOADER MDH

Configuration: 267B, 277B and 287B Multi Terrain Loader MDH00001-UP (MACHINE) POWERED BY 3044C Engine

## Disassembly and Assembly 267B, 277B and 287B Multi Terrain Loaders Power Train

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i05674741

# Piston Motor (Hydrostatic) - Disassemble

SMCS - 4351-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0520	Driver Gp	1
B	1U-7280	Pin Punch	1
C	1P-0510	Driver Gp	1
D	2P-8312	Retaining Ring Pliers	1
E	1U-7276	Pin Punch	1
F	8B-5144	Bolts (5/8 inch by 18 NF by 3 inch)	2
G	8H-0663	Bearing Puller Gp	1
H	6V-5839	Washers	4
	6V-8214	Bolts (6 mm by 1.00 NC by 20 mm)	4
	9M-1974	Hard Washers	4
	9X-8267	Washers	4

### Start By:

- A. Remove the piston motor. Refer to Disassembly and Assembly, "Piston Motor (Hydrostatic) - Remove".

**Note: The following procedure is intended for cleaning purposes only.**



Illustration 1

g00882206

Typical Example

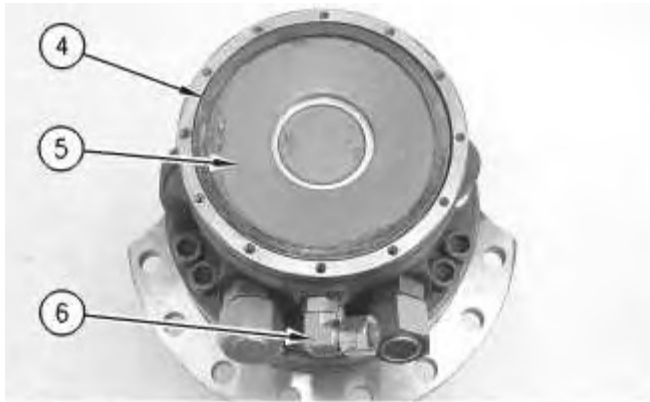
1. Mark the piston motor for assembly purposes. Remove bolts (1) . Remove cover (2) .



Illustration 2

g00882212

2. Remove gasket (3) .
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Illustration 3

g00882214

Typical Example

3. Remove washer (4) . Remove disc spring (5) . Remove fitting (6) .



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Illustration 4

g00885378

Typical Example

4. Install Tooling (H) . **Use low pressure compressed air to remove piston (7) .**

**Note:** Low-pressure air is required in order to allow the piston to release from the motor.

**Note:** Tooling (H) is required in order to prevent damage to the piston.

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Illustration 5

g00882222

5. Remove O-ring seal (8) .

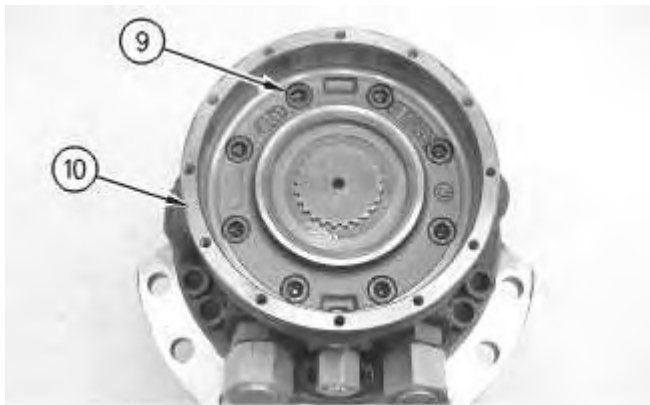


Illustration 6

g00882227

Typical Example

6. Remove bolts (9) . Remove brake housing (10) .

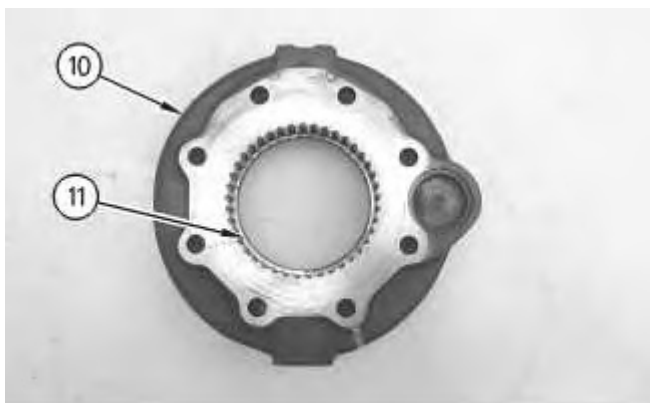




Illustration 8

7. Use Tooling (A) to remove seal (11) .

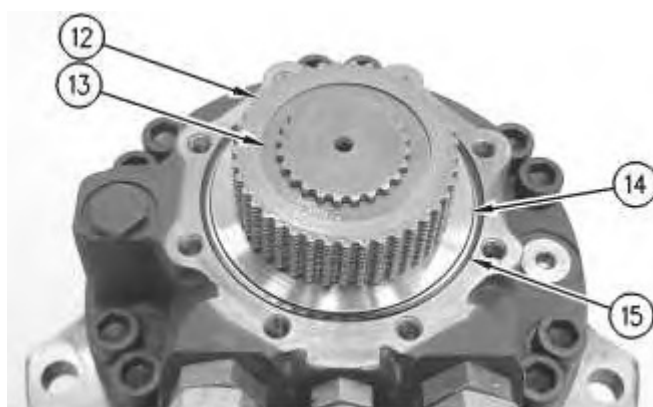


Illustration 9

Typical Example

8. Remove outer discs (12) . Remove inner discs (13) . Remove shim (14) . Remove O-ring seal (15) .

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Illustration 10

g00882248

Typical Example



Illustration 11

g00882264

Typical Example

**Note:** Observe the shaft's direction.

9. Remove shaft (16) .



Typical Example

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**! WARNING**

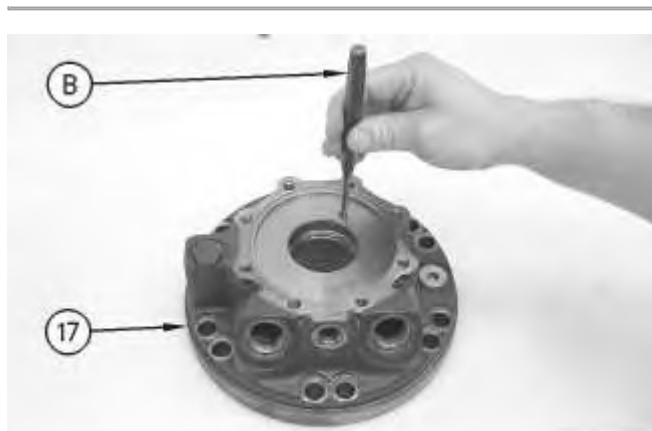
**Personal injury can result from being struck by parts propelled by a released spring force.**

**Make sure to wear all necessary protective equipment.**

**Follow the recommended procedure and use all recommended tooling to release the spring force.**

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10. Remove fittings (19) . Remove bolts (18) . Remove rear case (17) .



Typical Example

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Illustration 14

g00882350

 **WARNING**

**Personal injury can result from being struck by parts propelled by a released spring force.**

**Make sure to wear all necessary protective equipment.**

**Follow the recommended procedure and use all recommended tooling to release the spring force.**

- 
11. Use Tooling (B) to remove distributor (20) from rear case (17) . Remove springs (21) . Remove pin (22) . Remove O-ring seals (23) .

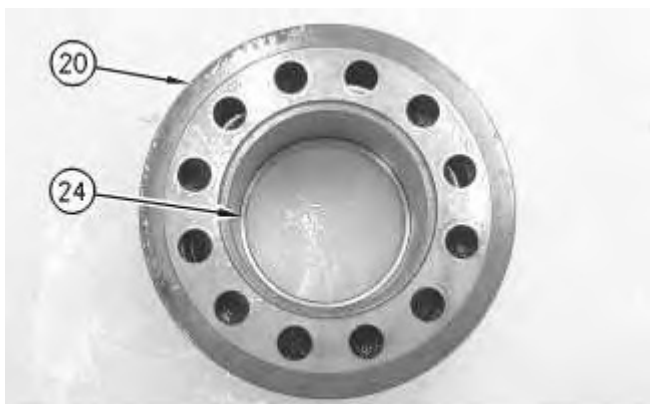


Illustration 15

g00882353



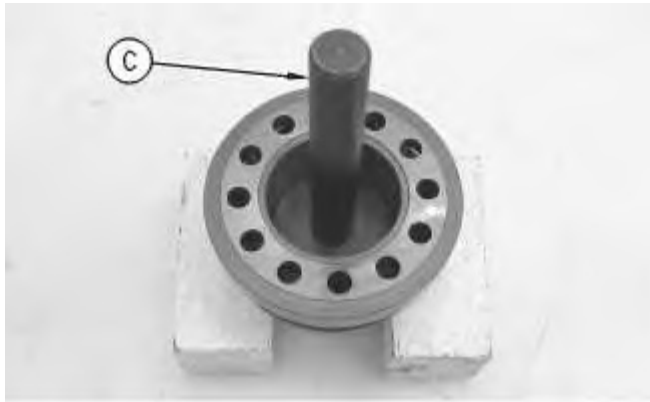


Illustration 16

g00882358

12. Block distributor (20) . Use Tooling (C) to remove bushing (24) .

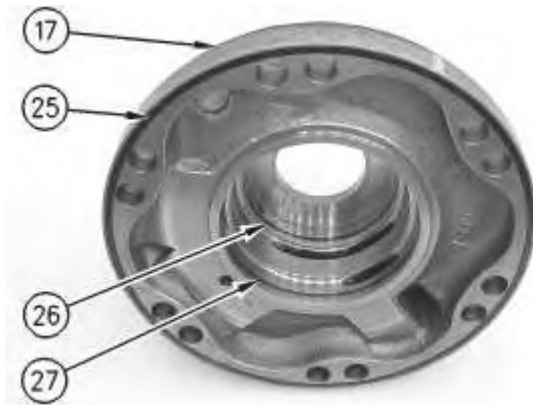


Illustration 17

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13. Remove O-ring seal (25) , O-ring seal (26) , and O-ring seal (27) from rear case (17) .



Illustration 18

g01042817

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