



# Service Repair Manual

## **Models**

Caterpillar Cat 257B3 MULTI  
TERRAIN LOADER

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Product: MULTI TERRAIN LOADER

Model: 257B3 MULTI TERRAIN LOADER B7H

Configuration: 257B3 Multi Terrain Loader B7H00001-UP (MACHINE) POWERED BY C3.4 IND Engine

## Disassembly and Assembly

### 259B3 Compact Track Loader, 247B3 and 257B3 Multi Terrain Loaders and 216B3, 226B3, 236B3, 242B3 and 252B3 Skid Steer Loaders Power Train

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i05308829

## Piston Motor (Hydrostatic) - Disassemble

SMCS - 4351-015

S/N - B7H1-UP

S/N - DXZ1-UP

S/N - HR21-UP

S/N - PWK1-UP

S/N - TSL1-UP

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1861	Retaining Ring Pliers	1
B	136-1452	Retaining Ring Pliers As	1
	1P-0074	Slide Hammer Puller Gp	1
	5F-7340	Adapter	1
C	5F-7342	Adapter	1
D	1P-1859	Retaining Ring Pliers	1
E	5P-5197	Retaining Ring Pliers As	1
F	FT-3081	Adapter Plate	1

G	127-8458	Final Drive Bench Ar	1
H	308-5676	Spanner Wrench Assembly <sup>(1)</sup>	1
	329-1669	Spanner Wrench Assembly <sup>(2)</sup>	
	308-5675	Adapter	
J	1H-3110	Bearing Puller Gp	1
K	5F-7343	Bearing Puller Gp	1

<sup>(1)</sup> 6 Pin

<sup>(2)</sup> 7 Pin

### Start By:

A. Remove the piston motor.

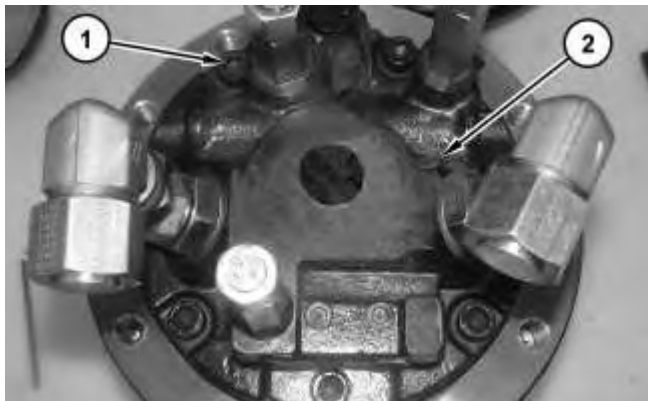


Illustration 1

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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.**

1. Remove bolts (1) and head (2) .



Illustration 2

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2. Remove O-ring seals (3) , port plate (4) , and bearing (5) .

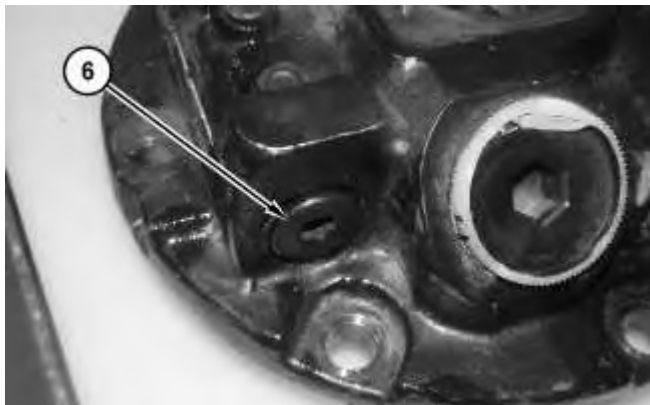


Illustration 3

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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.**

3. Remove plug (6) .

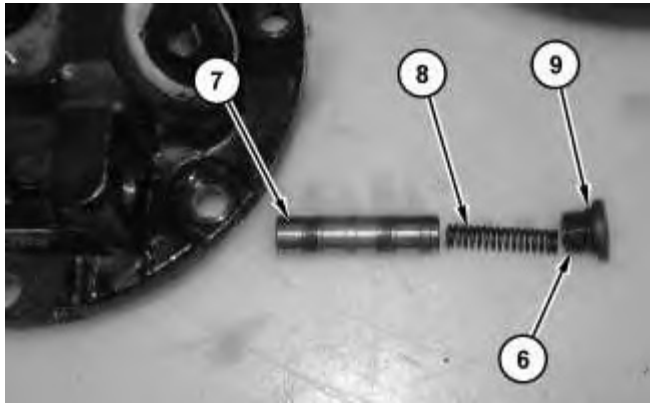


Illustration 4

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4. Remove O-ring seal (9) from plug (6) .
5. Remove spring (8) and piston (7) .
6. Repeat Step 4 for the opposite side.

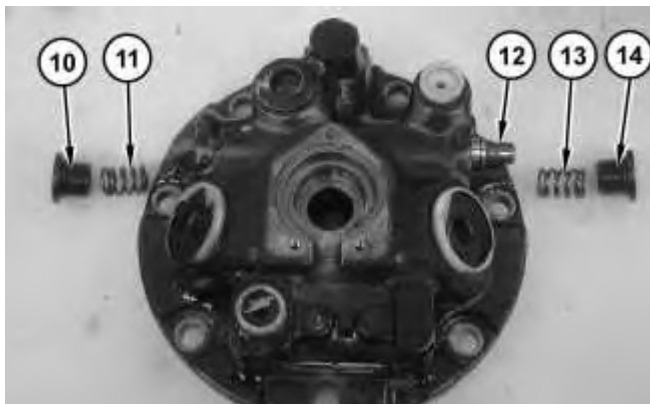


Illustration 5

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**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.**

7. Remove plug (10) , the O-ring seal, and spring (11) .

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