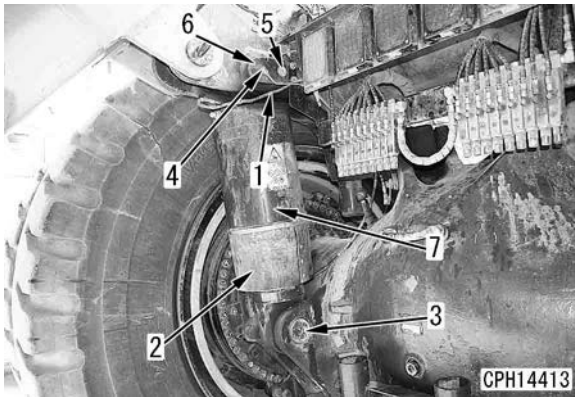



## Removal and installation of rear suspension cylinder assembly

### Removal




- ⚠ Stop the machine on a level ground, set the parking brake switch in the "PARK" position, and lock the tires with chocks.
  - ⚠ Raise the body and fix it with the lock pin.
  - ⚠ Disconnect the cable from the negative (-) terminal of the battery.
1. Release nitrogen gas. [\*1]
    - ★ For details, see Testing and adjusting, "Testing and adjusting rear suspension cylinder".
  2. Disconnect pressure sensor connector DT2 (1).
  3. Remove guard (2). [\*2]
  4. Remove pin (3) on the rear suspension cylinder head side.
  5. Sling rear suspension cylinder assembly (7) with a lift truck
  6. Remove bolt (5) and pin (6) on the rear suspension cylinder rod side. [\*3]
  7. Disconnect grease supply hose (4).



8. Sling and remove rear suspension cylinder assembly (7) with the lift truck.

 Rear suspension cylinder assembly:  
**250 kg**

### Installation

- Carry out installation in the reverse order to removal.
  - ⚠ When aligning the pin holes, use a bar. Never insert your fingers in the pin holes.
- [\*1]  
 Oil level valve: **39 – 49 Nm {4 – 5 kgm}**
- [\*2]  
 Mounting band:  
**6.8 ± 0.49 Nm {0.7 ± 0.05 kgm}**
- [\*3]  
 Bolt: **157 – 196 Nm {16 – 20 kgm}**
- ★ Charge the rear suspension cylinder with nitrogen gas and adjust it. For details, see Testing and adjusting, "Testing and adjusting rear suspension cylinder".

## Disassembly and assembly of rear suspension cylinder assembly

### Special tools

Sym- bol	Part No.	Part name	Necessity	Q'ty	New/Remodel	Sketch
Q	1	792T-650-1110 Push tool	■	1		
		790-101-5421 Grip	■	1		
		01010-51240 Bolt	■	1		
	2	790-610-1000 Suspension tool	■	1		
		790-610-1100 • Pump assembly		1		
		790-610-1200 • Charging tool		1		

### Disassembly

#### 1. Guard


Sling the cylinder assembly, loosen clamp (1), undo buttons (2), and remove guard (3).

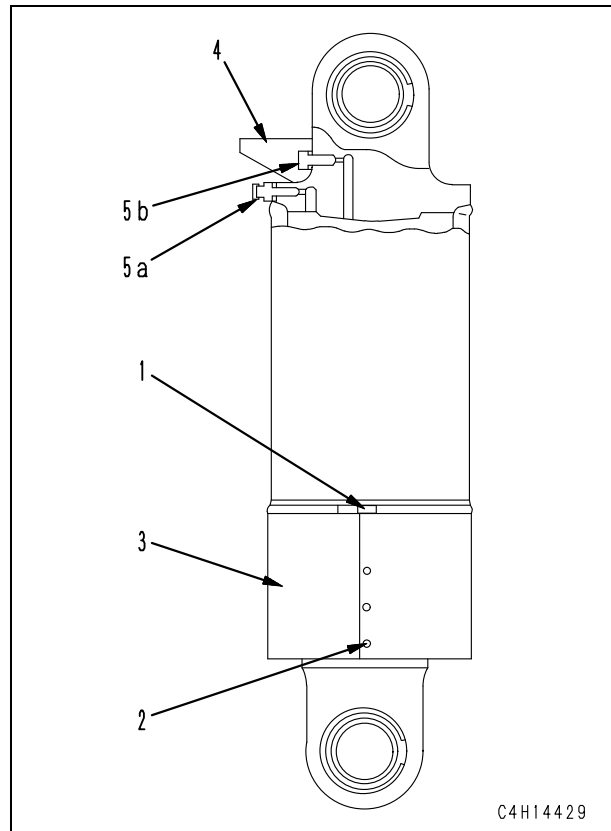
#### 2. Air intake valve and oil level valve

See "Removal and installation of rear suspension cylinder assembly".

Remove cover (4), air intake valve (5a), and oil level valve (5b).

#### 3. Drain the cylinder oil.

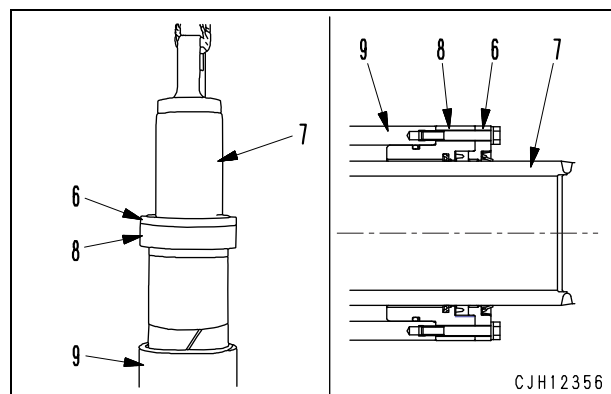
 Cylinder: **16.5 ℓ**



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#### 4. Cylinder rod assembly

- 1) Erect the cylinder assembly upside down.
- 2) Remove the mounting bolt of retainer (6).
- 3) Slowly sling and remove cylinder rod assembly (7), retainer (6) and flange (8) together from cylinder (9).



CJH12356