



Weddle Tool Company

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# W TOOL

## Maintenance Guide

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Hydraulic Fluid Check • O-Ring Maintenance • Storage

For use by fire & rescue, law enforcement, and EMS personnel

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## Power Head Hydraulic Fluid Check

Checking fluid level | Refill procedure

The W Tool's hydraulic system is factory-filled and requires minimal maintenance. Check the fluid level periodically or any time the piston does not expand as expected. Refill with standard hydraulic jack oil, available at most auto parts retailers.

### Fluid Level Check & Refill

- 1. Stand the tool upright** with the power head facing up.
- 2. Locate the rubber fill plug** on the side of the power head. Remove it by hand or with a flathead screwdriver.
- 3. Check the fluid level.** Fluid should come up to the bottom of the plug hole. If you cannot see or feel fluid at the opening, the level is low and should be topped off.
- 4. If refill is needed,** add hydraulic jack oil slowly until it reaches the bottom of the plug hole. Do not overfill.
- 5. Replace the rubber fill plug** firmly. Wipe away any fluid from the exterior.



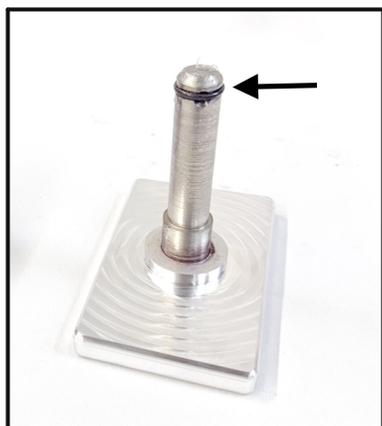
*Rubber fill plug on the side of the power head – arrow indicates plug location*

**NOTE:** Use hydraulic jack oil only – available at most auto parts stores. Do not substitute with other oils or fluids.

## O-Ring & Flat Plate Maintenance

Inspection | Lubrication | Replacement

Every W Tool ships with an O-ring maintenance kit. The flat plate is held in place inside the power head by a rubber O-ring. If the flat plate loosens or falls out, the O-ring likely needs to be replaced.



*Flat plate – arrow indicates the rubber O-ring at the top of the shaft*



*Flat plate next to power head opening – O-ring seats into this cavity*

### Inspection

To inspect the O-ring, the flat plate must first be removed from the power head. Grip the flat plate, twist slightly (a quarter to half turn), and pull it out.

- Check the O-ring for cracks or tears.
- If worn or damaged, lubricate or replace using the kit included with your tool.

### Lubrication & O-Ring Replacement

If the O-ring is damaged, replace it. Remove the old O-ring, apply a small amount of lubricant to the new O-ring and to the flat plate shaft, seat the new O-ring, and reinsert the flat plate.

**NOTE:** Replacement O-ring kits are available at [weddletoolco.com](http://weddletoolco.com) if the included spare has been used.

## Storage & General Care

### Storage Orientation

#### **NEVER STORE THE TOOL INVERTED**

Storing the tool inverted (power head down) allows air into the hydraulic system and will prevent it from functioning.

ORIENTATION	VALVE POSITION	
Power head UP (upright)	Closed (turn right, clockwise)	<b>YES</b>
On its side (horizontal)	Closed (turn right, clockwise)	<b>YES</b>
Power head DOWN (inverted)	Any	<b>NEVER</b>
Any orientation	Open (turn left, counter-clockwise)	<b>NEVER</b>

### General Care

- Wipe the tool down after every deployment – remove dirt, moisture, and debris.
- Keep the slide tube clean. It does not require lubrication.

## Troubleshooting

SYMPTOM	LIKELY CAUSE	ACTION
Flat plate falls out of power head	O-ring needs replacement	See O-Ring & Flat Plate Maintenance, p. 3.
Power head piston does not expand when handle is pumped	Valve not fully closed; low or no hydraulic fluid; or air in hydraulic system from improper storage	Confirm valve is fully closed (turn right, clockwise). Check and refill fluid if needed (p. 2). If it persists, contact Weddle Tool Company.
Slide tube stiff or won't adjust	Debris or dirt on tube surface	Remove detent pin, wipe tube clean, reinsert pin.
Indentations or damage to door jamb	Tool not positioned level and horizontal during use, causing uneven pressure distribution	Ensure tool is level and horizontal during use.

**NOTE:** Questions or issues not covered here? Visit us at [weddletoolco.com](http://weddletoolco.com).