



## Air Bleeding Instructions for Air / Manual Service Jacks HEIN-WERNER Models HW93662 (10 Ton) & HW93667 (4 Ton)

**Problem:** LIFT ARM will not rise when air pressure is applied.

**Resolution:** Follow the Air Bleeding Procedure in this document.

**Models:** HW93662 (10 Ton) & HW93667 (4 Ton) Air / Manual Service Jacks.

**Tools Required:** Hex Wrench for **AIR MOTOR VENT PLUG**, Open End Wrench, Combination Wrench, or Socket Wrench for **AIR VENT SCREW**. Air Compressor, or other Compressed Air Source [suggested 110 psi (7,6 bar) minimum air pressure].

**Procedure:**

### **WARNING!**

- Read and understand all information contained in Operating Instruction Manual (supplied with the equipment), and this document before starting this procedure.
- **NO LOAD** should be placed on this equipment during this procedure.
- Any persons not involved in the work should leave the area.
- Work area should be clean and free of any hazards such as oil spills.
- Only trained, competent adults should perform this procedure.
- Use **ONLY** approved Hydraulic Jack Oil when adding or replacing oil in a hydraulic jack.
- **NEVER** use brake fluid, turbine oil, transmission fluid, motor oil or glycerin in a Hydraulic Jack. Improper fluid can cause failure of the jack and the potential for sudden and immediate loss of load.

**Step 1:**

- Read and understand all information contained in the **Operating Instruction Manual** for this piece of equipment. Nomenclature used in this document refers to items discussed in the **Operating Instruction Manual**.
- Read and understand all information contained in this document before starting this procedure.
- Place the unit in the work area such that all sides are easily accessible, and such that **LIFT ARM** can rise to its maximum height with no obstruction.



**Hein-Werner Automotive**

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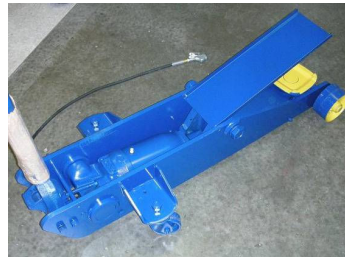
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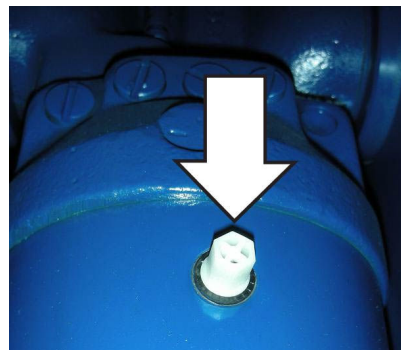
### Step 2:

- Open the **COVER PLATE**.



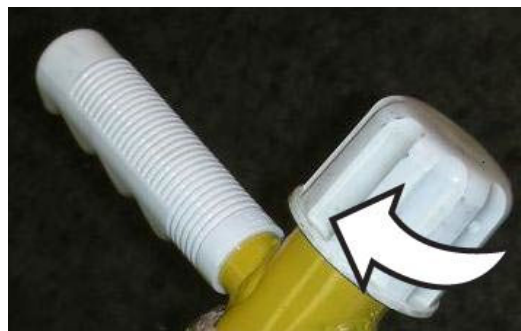
### Step 3:

- Locate and remove **AIR VENT SCREW**.



### Step 4:

- Verify that the Release Valve is in the **CLOSED** position, by turning the **RELEASE VALVE KNOB** clockwise until resistance is felt.



### Step 5:

- Lift the jack manually, by pumping the **HANDLE**, until the **LIFT ARM** has reached its maximum height.

#### Approximate Maximum Height:

25-1/2" (648mm) for HW93662 (10 Ton)

25-3/4" (654mm) for HW93667 (4 Ton).



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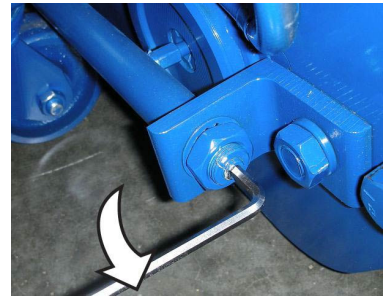
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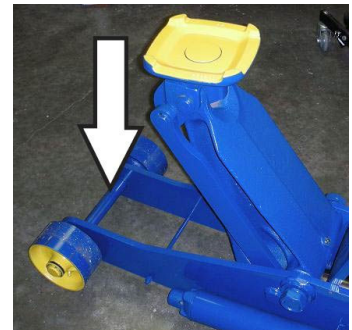
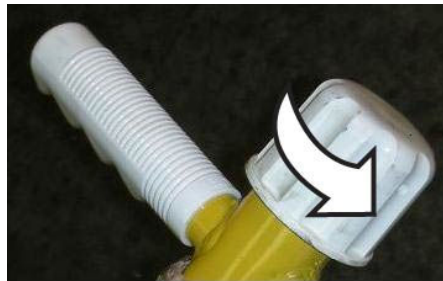
### Step 6:

- Use a Hex Wrench, to loosen the **AIR MOTOR VENT PLUG** by turning Counter Clockwise.
- Remove the **AIR MOTOR VENT PLUG**. Retain for later re-installation.



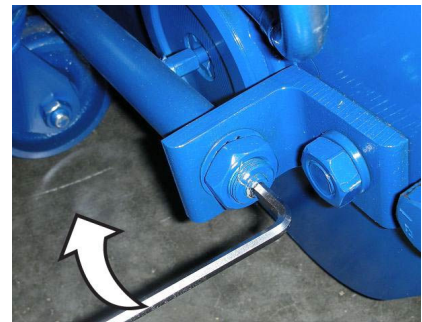
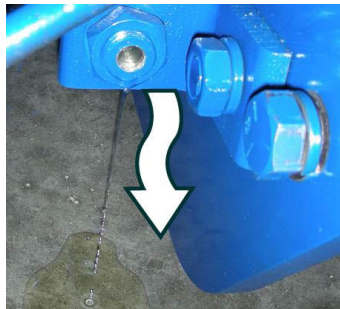
### Step 7:

- Turn the **RELEASE VALVE KNOB** counter-clockwise to allow the **LIFT ARM** to lower.
- After making note of Step 8, manually pump the **HANDLE**, as the **LIFT ARM** moves downward.



### Step 8:

- When oil is expelled from the **AIR MOTOR VENT PLUG** hole, quickly re-install the **AIR MOTOR VENT PLUG**.
- Next, securely tighten the **AIR MOTOR VENT PLUG**.
- If oil is not expelled, as shown, repeat Steps 4, 5 and 7.



### Step 9:

- Attach an air compressor hose to the **AIR CONTROL VALVE** located on the **HANDLE** of the unit.

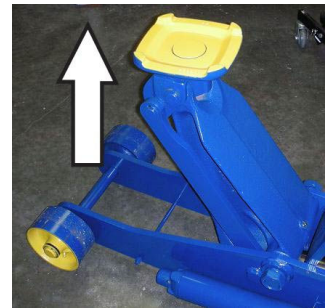




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### Step 10:

- Depress Lever on **AIR CONTROL VALVE** so **LIFT ARM** begins to slowly rise upward.
- Check that **LIFT ARM** rises to maximum height.
- Repeat lifting procedure 2-3 times until lifting speed increases and seems consistent.



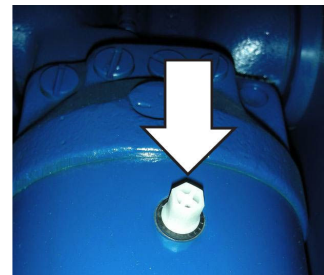
**Approximate Maximum Height:** 25-1/2" (648mm) for HW93662 (10 Ton).  
25-3/4" (654mm) for HW93667 (4 Ton).

### **WARNING!**

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- **NEVER** use brake fluid, turbine oil, transmission fluid, motor oil or glycerin in a Hydraulic Jack. Improper fluid can cause failure of the jack and the potential for sudden and immediate loss of load.

### Step 11:

- Add oil to replace the expelled oil using the instructions supplied in the Operation Manual. Use **ONLY** Hein-Werner hydraulic jack oil, part number HW93291, or equal.
- Re-Install and securely tighten the **AIR VENT SCREW**.



### Step 12:

- Close the **COVER PLATE**.



### Step 13:

- Clean Work Area, Including any oil that was expelled from the unit during this procedure.

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