

Bottle Jack Workshop Press Bleeding Procedure

**Product Code: 1002/1060T/1186T
1061T/1062T**

Fault Description: The usual symptoms of a bottle jack type workshop press with air in the bottle jack system are as follows.

- No resistance in the pump stroke while pumping to the load face [handle feels light].
- Most of the down stroke of the pump taken up but no movement of the bottle jack Ram.
- Little or no handle resistance when applying force to the load point.

Bleeding Instructions

Ensure the bottle jack ram is fully retracted prior to performing the following steps.

1. Carefully loosen the return spring retainers positioned either side of the bottle jack, leaving the springs attached but taking tension off the springs.
2. Remove the bottle jack base mount screws and gently remove the jack from the frame and place on a suitable work bench for the bleeding procedure to continue.
3. Remove the Filler Bung and if required, refill with *32 Grade Hydraulic until the oil is lapping the bottom of the filler hole then replace the Filler Bung.
4. Start with the Pump Socket Assembly in the horizontal position



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5. Turn the release valve clockwise to the lifting position.



6. With the jack on its base pull the pump socket upwards to the raised position.



7. Invert the jack and push the Pump Socket Assembly back to the horizontal position.



8. Place the jack on its base.
9. Repeat steps 4 to 8 until the Pump Lever feels firm and the lift ram is extending.
10. At this point the Pump Assembly should be bled of air. Follow steps 11 to 14 to bleed the Bottle Jack Ram.
11. Ensure the jack is on its base and make sure the Release Valve is still in raise mode, pump the bottle jack ram to full extension.
12. Pump the Pump Socket Assembly a further ten strokes. The air trapped in the lift ram will vent to the reservoir through the Overstroke Protection Port built into the lift ram barrel positioned at the end of the bottle jack ram stroke.
13. Turn the Release valve to the lowering position.
14. Apply force to the bottle jack ram to the fully retracted position.
15. Replace the bottle jack back into the frame and tighten the return spring fasteners.

At this point both the Bottle jacks Pump and Bottle Jack Ram should be free of air and the Press ready for operation.

**The TradeQuip range of bottle jack presses use grade 32 Grade Hydraulic Oil for the correct operation and compatibility with the seals used in their construction.*