

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

- No resistance in the pump stroke while pumping up a load [handle feels light].
- Most of the down stroke of the pump taken up but no movement of the Lift ram.
- Lift Ram jumps upwards while being pumped up.
- Lift Ram slowly raises on its own after being fully retracted.

### Bleeding Procedure

1. 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.



2. Start with the Pump Socket Assembly in the horizontal position.



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



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



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



6. Place the jack on its base.
7. Repeat steps 4 to 6 until the Pump Lever feels firm, and the lift ram is extending.
8. At this point the Pump Assembly should be bled of air. Follow steps 9 to 10 to purge the Lift Ram
9. Ensure the jack is on its base and make sure the Release Valve is still in raise mode, pump the lift ram to full extension.
10. 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 lift ram stroke.
11. Turn the Release valve to the lowering position.
12. Apply force to the lift ram to the fully retracted position.

**At this point both the Pump and Lift Ram should be free of air and the Jack ready for operation.**

*\*The TradeQuip range of bottle jacks use 32 Grade Hydraulic oil for the correct operation and compatibility with the seals used in their construction.*