

Fault Description: The usual symptoms of a porta power type press pump and ram 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 Instructions:

1. Remove the pump mounting bolts to allow for oil top up.

Remove the Filler Bung and if required, whilst holding the pump vertically refill with *32 Grade Hydraulic oil until the oil is lapping the bottom of the filler hole then replace the Filler Bung.



2. Disconnect the ram hydraulic coupler and remove the ram from the frame by undoing the locking collar and lifting the ram out of its headstock.



3. Lay the ram on a stand below the pump and reconnect the hydraulic supply line.

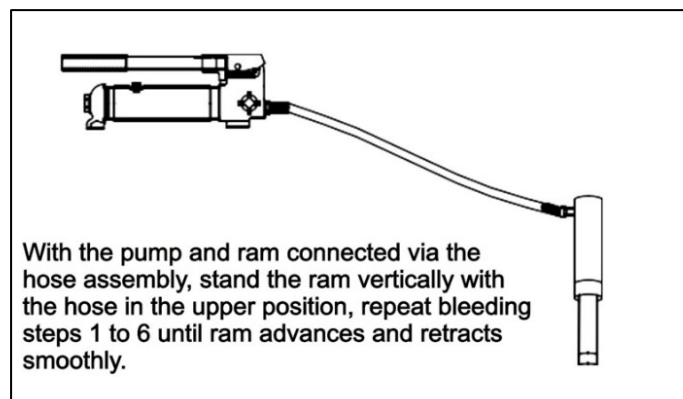


4. Turn the release valve clockwise to the lifting position.

5. Lift and hold the pump in a vertical position as per the sample illustration below with the hose facing down and operate the pump until the attached ram has extended to approximately half of its stroke.



6. Remove Turn the release valve to the release position and allow the ram to retract to fully retracted position.
7. With the pump and ram connected via the hose assembly, stand the ram vertically with the hose in the upper position, repeat bleeding steps 1 to 6 until ram advances and retracts smoothly.



8. Close Reassemble the ram back into its headstock making sure to tighten the Locking collar.
9. Remount the pump to its platform.

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

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