

Step 1: The usual symptoms of a Transmission Lifter with air in the system are as follows.

- No resistance in the pump stroke while raising up a load [pedal feels light].
- Most of the down stroke of the pump pedal 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.

Quick Bleed Procedure

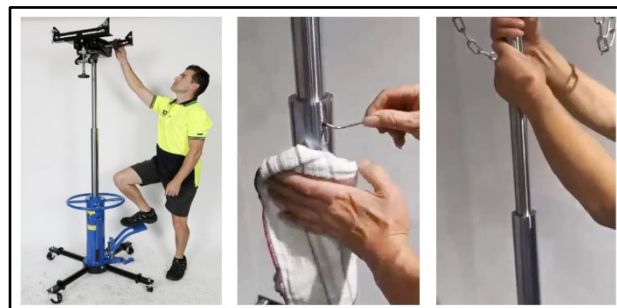
1. Remove the Filler Bung/Breather and if required, refill with *32 Grade Hydraulic oil until the oil is lapping the bottom of the filler hole then replace the Filler Bung/Breather and open the Breather air vent screw.



2. To successfully bleed the Transmission Lifter, we begin with the pump, start by depressing the release pedal and hold it in the release position while pumping the pump pedal 10times. Once the pump regains firm resistance throughout its stroke and upwards movement is seen at the lift rams, move on to Step 3.



3. Pump the lift rams to full extension. With an Allen key undo the Lift Ram bleed screw 1 full turn anticlockwise. Aerated oil will begin to exit the bleed screw housing until a clear stream of oil with no air bubbles flows. Tighten the pump bleed screw and test for rebound by applying downwards pressure against the upper lift ram.



4. If you feel rebounding of the upper lift ram, repeat instructions 2 to 3 until no air bubbles appear in the oil stream at the bleeder housing, and no rebound can be felt in the ram assembly. Ensure you have tightened the bleed screw.
5. Recheck the oil level as described in step 1 and top up to correct oil level if required.

Step 2: If the issues listed below persist, follow the instructions below.

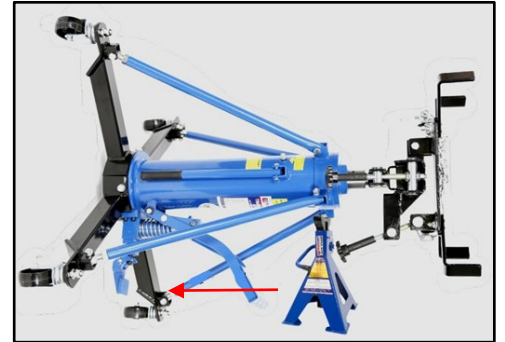
- No resistance in the pump stroke while raising up a load [pedal feels light].
- Most of the down stroke of the pump pedal taken up but no movement of the Lift ram.

Advanced Bleed Procedure

1. Remove the Filler Bung/Breather and if required, refill with *32 Grade Hydraulic oil until the oil is lapping the bottom of the filler hole then replace the Filler Bung/Breather and open the Breather air vent screw.



2. Close breather, then tilt jack forward with pedal facing ground to an angle of just above horizontal and support with a vehicle stand just below the lower gland. Pump the pedal full stroke 3 times, the ram will begin to advance, and pedal should regain resistance feel.



3. Place the lifter back on its wheels and with the Pump Pedal Assembly in the raised position. Depress the pedal to full stroke and hold in that position.



4. With an Allen key undo the Lift Ram bleed screw 1 full turn anticlockwise, aerated oil will begin to exit the bleed screw housing until a clear stream of oil with no air bubbles flows. Tighten the pump bleed screw and raise the pedal to fully raised position.



5. Repeat instructions 3 to 4 until no air bubbles appear in the oil stream at the bleeder housing and tighten the bleed screw.

6. Recheck the oil level as described in step 1 and top up to correct oil level if required.

At this point both the Manual Pump and Lift Ram should be free of air and the Transmission Lifter ready for operation.

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