

# Air/Hydraulic/Manual Models Bottle Jack Bleeding Procedure

Product Code/s: BWBBJ30T BWBBJ20T

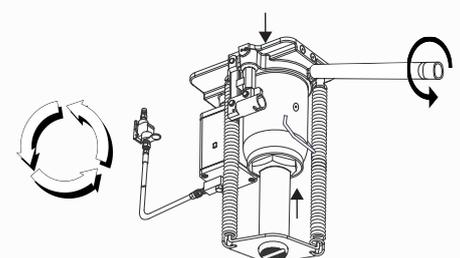
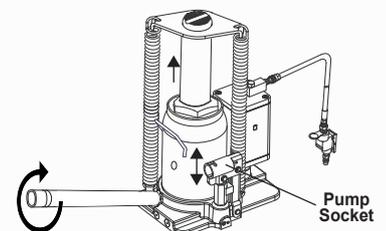
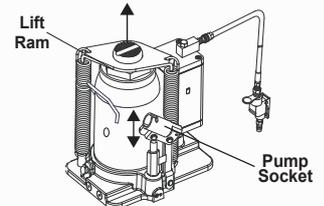
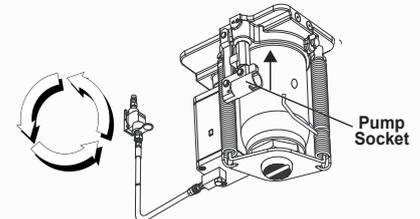
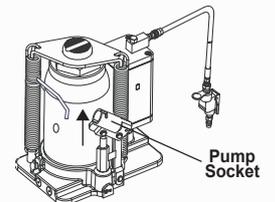
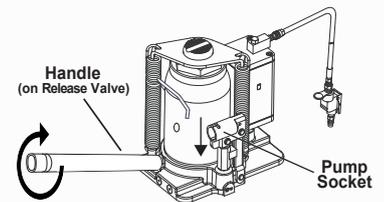
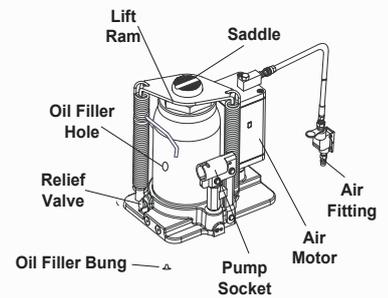
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## The usual symptoms of a Air/Hyd/Manual bottle jack with air in system are as follows;

- No resistance in the Manual Pump stroke while raising the load [handle feels light].
- Partial down stroke of the Manual Pump has resistance and little movement of the Lift Ram.
- Air Motor Pump runs but no movement in the Lift Ram.
- Lift Ram jumps upwards while being pumped up. [non spring versions only]
- Lift Ram slowly raises on its own after being fully retracted. [non spring versions only]

## Bleeding Instructions

1. Remove the Oil Filler Bung and if required, refill with \*32 Grade hydraulic oil until the oil is lapping the bottom of the Oil Filler Hole then replace the Oil Filler Bung.
2. Start with the Pump Socket Assembly in the horizontal position and turn the Release Valve 'clockwise' to the lifting position. .
3. With the Jack on it's base, pull the Pump Socket upwards to the raised position.
4. Invert the Jack and push the Pump Socket back to the horizontal position.
5. Place the Jack back on its base to test the Pump Socket for firmness .
6. Repeat steps 4 to 6 until the Pump Socket feels firm and the Lift Ram is extending consistently.
7. At this point the Pump Assembly should be bled of air. Follow steps 8 to 9 to bleed the Lift Ram.
8. Ensure the Jack is back on it's base and make sure the Release Valve is in the 'clockwise' raise mode, then pump the Pump Socket until the Lift Ram is fully extended.
9. Invert the Jack and then turn the Release Valve 'anti-clockwise' to the lowering position. Carefully hold the Jack in the inverted position until the Lift Ram is fully retracted. If necessary apply force to the bottom of the Jack to return the Lift Ram back to fully retracted position.



**At this point both the Manual Pump and Lift Ram should now be free of air and the Jack ready for Air Motor bleeding (See Page2).**

*\*The range of TQB Brands Bottle Jacks use 32 Grade Hydraulic Oil for the correct operation and compatibility with the seals used in their construction.*

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TQB Brands Pty Ltd



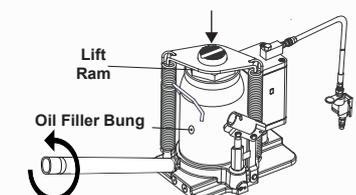
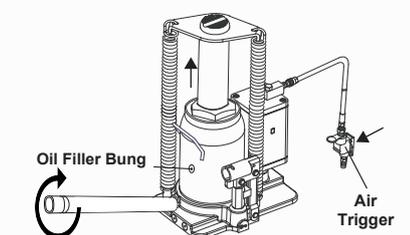
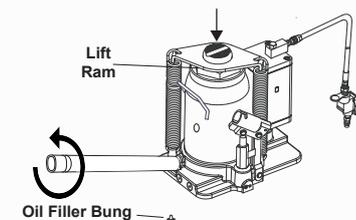
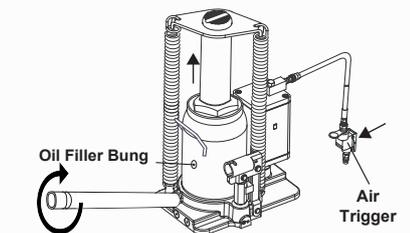
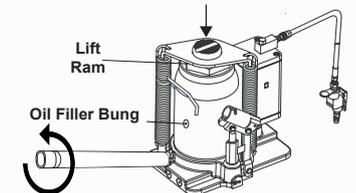
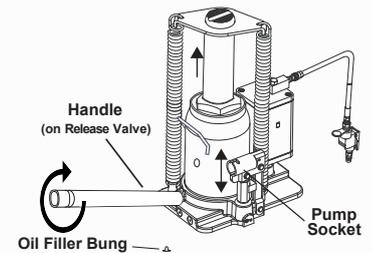
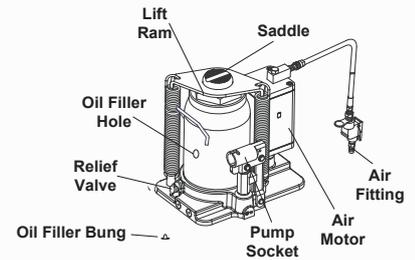
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**At this point both the Manual Pump and Lift Ram should now be free of air and the Jack ready for Air Motor bleeding (See Page 1).**

## Bleeding Instructions for AIR MOTOR

1. Remove the Oil Filler Bung and if required, refill with \*32 Grade hydraulic oil until the oil is lapping the bottom of the Oil Filler Hole.
2. Leave the Oil Filler Bung out, turn the Release Valve 'clockwise' to the lift position and pump the Pump Socket 'up and down' to raise the Lift Ram to full extension.
3. Replace the Oil Filler Bung, then turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position.  
(Note: Depress the Saddle where necessary)
4. Turn the Release Valve 'clockwise' to the raise position. Connect an air supply to the Air Trigger assembly and depress the trigger, holding down until the Lift Ram is fully extended.
5. Remove the Oil Filler Bung, then turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position.  
(Note: Depress the Saddle where necessary)
6. Replace the Filler Bung and turn the Release Valve 'clockwise' to the raise position. Connect an air supply to the Air Trigger assembly and depress the trigger, holding down until the Lift Ram has extended to full stroke then...  
**...continue to hold the trigger down for 10 seconds.**
7. Turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position. (Note: Depress the Saddle where necessary)



**At this point the Manual Pump, Air Motor Pump and Lift Ram should be free of air and the Jack ready for Operation. If the Jack continues to show the Symptoms as above, please refer to a Qualified Hydraulic Technician.**

*\*The range of TQB Brands Bottle Jacks use 32 Grade Hydraulic Oil for the correct operation and compatibility with the seals used in their construction.*