

Technical Bulletin: BMR Platform not Closing

Note: This Technical Bulletin applies to BMR's with serial number 1812XXXXX through 1906XXXXX that are not closing.

Symptom:

Correct pressures are read at the manifold block test port but no pressure or very little pressure at the folding port. All functions except closing/folding the platform work normally.

Cause:

The pilot operated check valve contained inside the BMR manifold block has come apart creating a fluid path back to tank.

Solution:

Pilot operated check valve may be defective. Replace pilot operated check valve following the instructions below.

Parts Needed



Check Valve Cartridge, #8 Single Pilot
P/N 297542
Qty. 1

1. Open and lower liftgate platform to ground.
2. Turn Red selector switch to “OFF” position.
3. Remove pump enclosure cover.
4. Locate **pilot operated (PO) check valve** on power unit manifold block (**Fig. 2-1**).

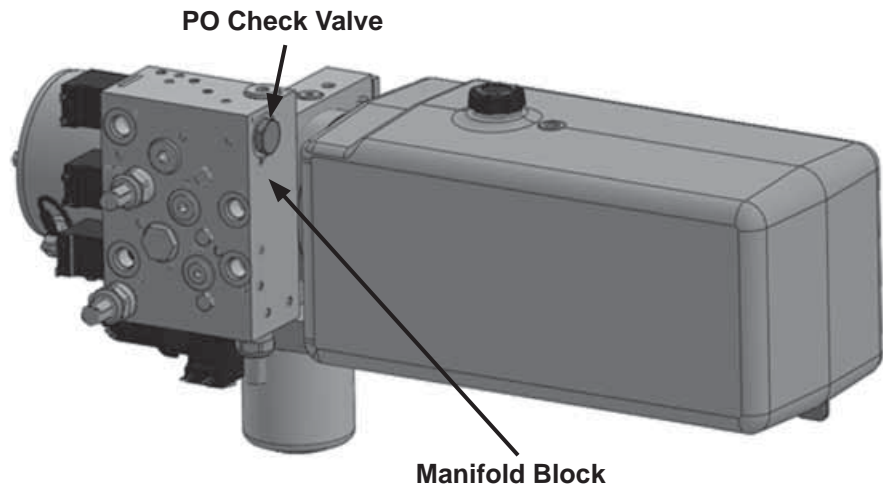


Fig. 2-1

5. Use 7/8” wrench to remove **PO check valve** from manifold block (**Fig. 2-2**). Angle valve when removing to clear plastic reservoir.

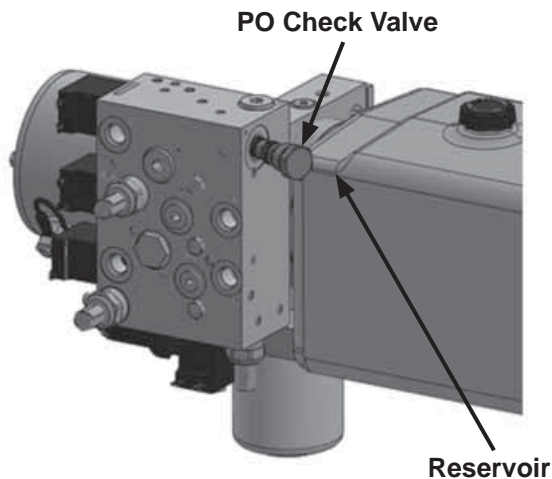


Fig. 2-2

6. Inspect nose of removed **pilot operated check valve** for piston and retaining ring (**Fig. 3-1**).

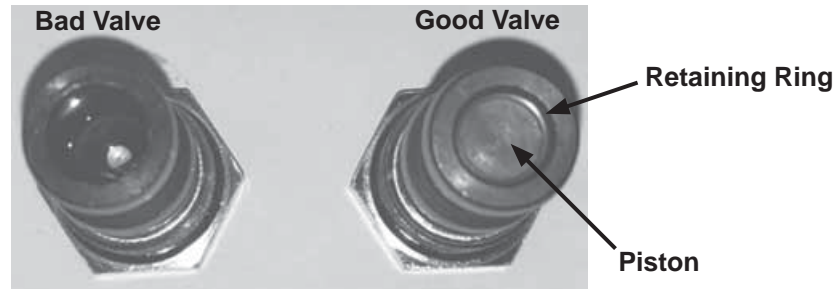


Fig. 3-1

7. If PO check valve is missing the piston (**Fig. 3-1**), use a magnet to remove the piston and retaining ring from the manifold port (**Fig. 3-2**).

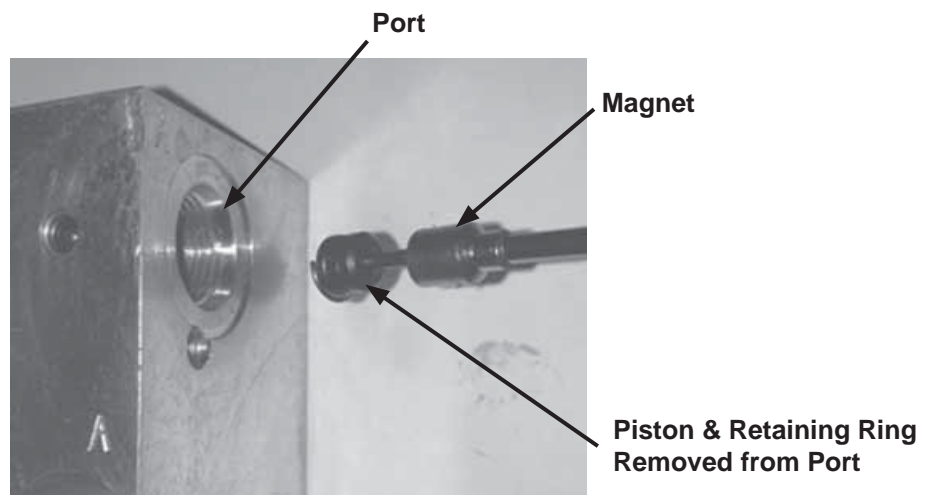


Fig. 3-2

8. Install new PO check valve, part number 297542. Tighten and torque to **18-20 lb-ft** maximum.
9. Clean off oil residue on the manifold block (**Fig. 3-2**).
10. Reinstall pump enclosure cover.