

SERVICE BULLETIN

SB98.8

Machines/Models: AB38

Serial Numbers: 1500-1564,
1568,1569.

THIS BULLETIN IS MANDATORY.

DATE: 18 June, 1998

PURPOSE: To replace the Counter-Balance Valves, on the AB38's Master Leveling Cylinder and Slave Leveling Cylinder.

OPERATION REQUIRED: Remove the Counter-Balance Valves from the cylinders and replace with Counter-Balance Valves supplied. Test the machine to ensure correct operation.

PARTS REQUIRED:

2ea. Counter-Balance Valve - 1160 psi (500531-000)

2ea. Counter-Balance Valve - 1088 psi (500530-000)

REIMBURSEMENT: UpRight will reimburse the owner of record for 1 hour of labor at \$30.00 per hour and travel (up to 100 miles) at \$0.25 per mile. Reimbursement will be made upon receipt by UpRight of your completed warranty claim form. Please reference SB98.8 on your warranty claim form.

PROCEDURE: Read all instructions thoroughly and refer to the figure on the following page before starting.

1. Ensure that the AB38 is on a firm level surface and the Elevating Assembly is completely stowed. Verify that the key switch is in the 'OFF' position and upper and lower emergency stop switches are fully depressed.
2. Remove the Securing Bolt, Pin Lock Plate and Circlip from the rod end of the Master Leveling Cylinder. While supporting the barrel end of the cylinder remove the Rod End Pivot Pin and allow the cylinder to hang freely. It is important that the Counter-Balance Valves on the Master Leveling Cylinder are changed first.
3. Using a 26 mm wrench remove the Counter-Balance Valves from the Master Leveling Cylinder (See figure 1). Fit the replacement Counter-Balance Valves - 1160 psi (500531-000) and torque to 33 Ft/Lbs (45 Nm). Note: Take care in aligning the replacement Counter-Balance Valves and DO NOT overtighten. This could result in damaged Counter-Balance Valve seals.

NOTE: Do not perform the next step from within the platform. Operate controls from outside the platform.

4. Release the Emergency Stop Switches, then turn and hold the Keyswitch to the **EMERGENCY OVERRIDE** position. Use the Leveling Switch to rotate the Platform backwards until sufficient access can be gained to the Slave Leveling Cylinder.
5. Remove the Securing Bolt and Pin Lock Plate from the rod end of the Slave Leveling Cylinder. While supporting the barrel end of the cylinder remove the Rod End Pivot Pin and allow the cylinder to hang freely.

If you have any questions regarding this Service Bulletin, please contact the UpRight Product Support Department by telephone at (800) 926-5438 from within the USA or at (209) 891-5200 outside the USA or by FAX at (209) 896-9244.

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6. Using a 26 mm wrench remove the Counter-Balance Valves from the Slave Leveling Cylinder (See figure 1). Fit the replacement Counter-Balance Valves - 1088 psi (500530-000) and torque to 33 Ft/Lbs (45 Nm).

NOTE: Take care in aligning the replacement Counter-Balance Valves and DO NOT overtighten. This could result in damaged Counter-Balance Valve seals.

7. Lift the rod end of the Master Leveling Cylinder into place and insert the Rod End Pivot Pin until the Circlip grooves are exposed, then attach the Circlip. Fix the Pin Lock Plate with the Securing Bolt. Torque securing bolt to 33 Ft/Lbs (Nm).
8. Lift the rod end of the Slave Leveling Cylinder into place and insert the Rod End Pivot Pin. Fix the Pin Lock Plate with the Securing Bolt. Torque securing bolt to 33 Ft/Lbs. (45Nm).

NOTE: 'Prime' the system by leveling the Platform backwards and forwards for 5 cycles. Level the Platform. This process will remove any air introduced during the replacement of the Counter-Balance Valves.

9. Place 475 lbs (215 Kg) of weight in the middle of the Platform, (Do not use personnel for weight) operate functions from Lower Controls. Verify all functions are operating properly.
10. Remove the 475 lbs. (215 Kg) of weight and place machine into service.

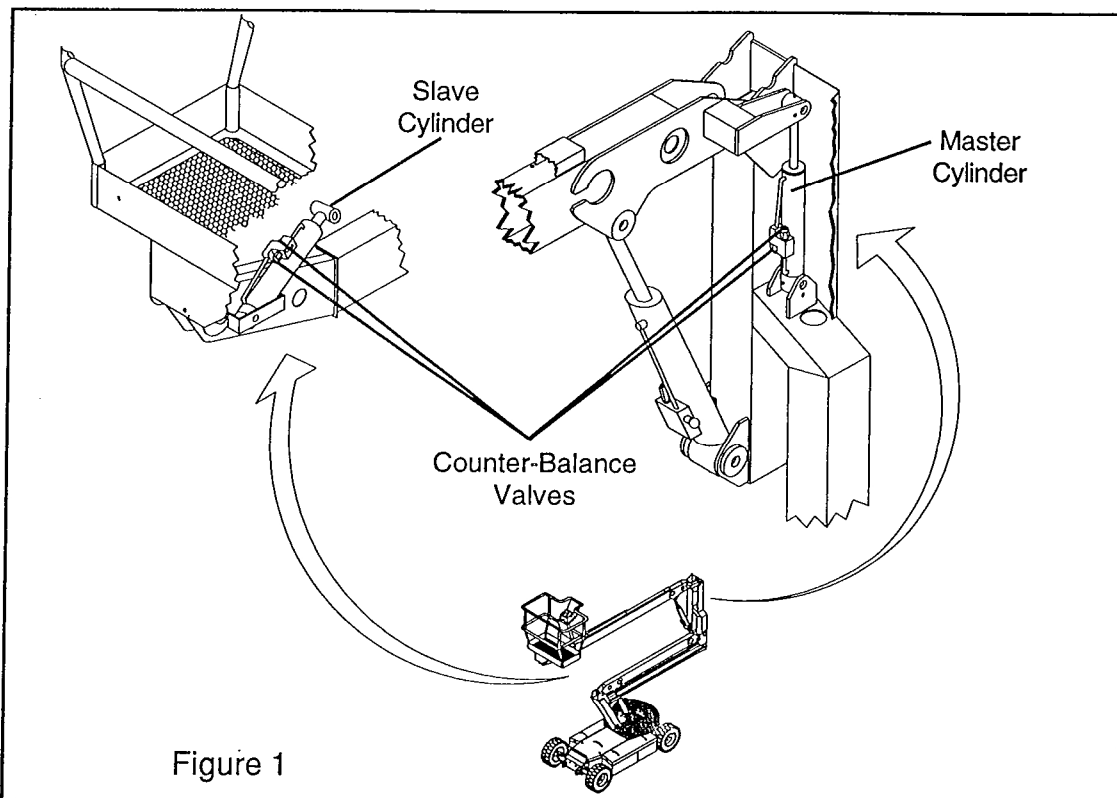


Figure 1

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