



# Product Support Bulletin 2004-009

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## Maintenance of Way ~ Work Equipment Bulletin

**DATE:** September 18, 2004

**SUBJECT:** Auto- Lift Rail Lift Counterbalance Valve - 1606963

**RATING:**

<input type="checkbox"/> <b>DIRECTIVE</b> (Action is required)	<input checked="" type="checkbox"/> <b>ALERT</b> (Potential Problem)
<input type="checkbox"/> <b>INFORMATION</b> (Action is optional)	<input type="checkbox"/> <b>PRODUCT IMPROVEMENT</b> (Enhance Product)

**MACHINE MODEL(S):** Auto-Lift LS Rail Lifter

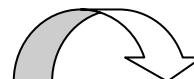
**SERIAL NUMBER(S):** 500-790658

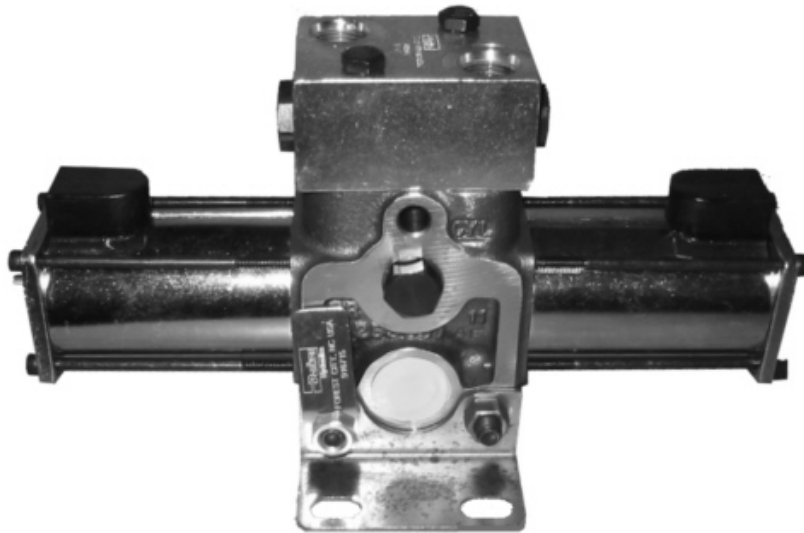
**SUMMARY:** Replacement of existing Pilot-operated Check Valve Module, p/n 1606962, with **Counterbalance Valve Module, p/n 1606963.**

**OPERATIONAL IMPACT:** The Pilot-operated Check Valve Module (Figure 1) supports the rail while it is raised. These check valves can chatter when the rail is lowered and can fail due to the chattering. The rail will also drop freely when lowered which can cause additional wear on the machine. The replacement Counterbalance Valve Module (Figure 2) will solve this problem since it will not chatter while the rail is being lowered. In addition, the lowering speed is controlled to prevent the rail from dropping freely and may be adjusted with the adjustment screw.

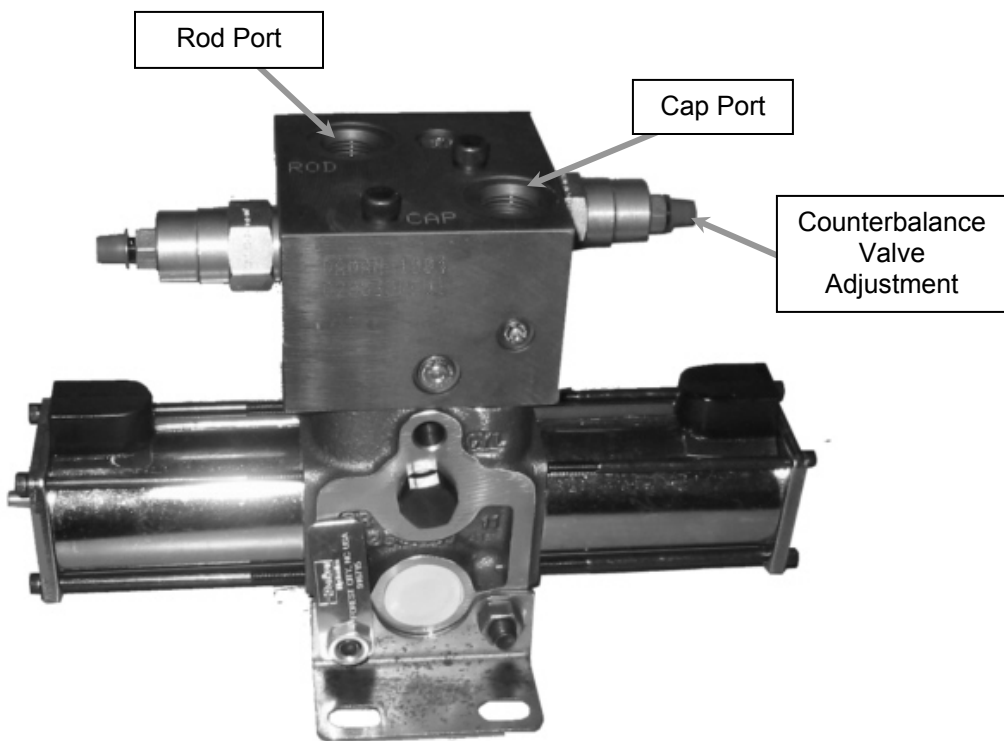
**ACTION:** The Counterbalance Valve is a direct replacement for the existing Pilot-operated Check Valve. Longer valve mounting bolts are required and are included with the valve. The Pilot-operated Check valve will no longer be available and the all orders for p/n 1606962 will be filled with the Counterbalance Valve p/n 1606963. **Note: The Counterbalance Valve ports are labeled “Cap” and “Rod” which refers to the 2 ports of the Lift Cylinder. It is very important to connect these ports to the correct cylinder ports.**

**WARRANTY:** None





**Figure 1**  
Rail Lift Valve with P.O. Check  
Valve Module



**Figure 2**  
Rail Lift Valve with Counterbalance  
Valve Module