



# Product Support Bulletin 2005-009

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## Maintenance of Way ~ Work Equipment Bulletin

**DATE:** November 10, 2005

**SUBJECT:** 3" bore Machine Lift Cylinder - 28552671

**RATING:**  **DIRECTIVE**  
(Action is required)

**ALERT**  
(Potential Problem)

**INFORMATION**  
(Action is optional)

**PRODUCT IMPROVEMENT**  
(Enhance Product)

**MACHINE MODEL(S):** Auto-Lift Model A  
Auto-Lift Model B  
Auto-Lift LS

**SERIAL NUMBER(S):** 200-232, 500-790659, 791001-791008

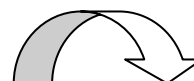
**SUMMARY:** The original 2-1/2" bore Machine Lift Cylinders, p/n 28552434, are being replaced with a **3" bore Machine Lift Cylinder, p/n 28552671**. See Figure 1.

**OPERATIONAL IMPACT:** There have been several modifications to these machines over the years that have increase the weight of this machine to the point where there is not enough lifting force in some circumstances, such as near highway crossings. To solve this problem, the cylinder bore has been increased to 3". This will generate an additional lifting force of 5,184 pounds per cylinder at 2,400 psi.

**ACTION:** The 3" bore cylinders are a direct replacement for the 2-1/2" bore cylinders on the machine. There are no modifications required to the frame of the machine. The limit switch bracket (or opto-switch box on older machines) will bolt to the new cylinder without modification as well. However, the packing kit for the 3" cylinder is different from the original 2-1/2" cylinder. **The packing kit for the 3" bore cylinder is available as p/n 98790014.**

The original 28552434 cylinders are no longer available and all orders for them will be filled with the 3" bore 28552671 cylinder.

**WARRANTY:** None





**Figure 1**  
(Machine Lift Cylinder 28552671)