

# Wood's

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Technical Service Bulletin 2012-01  
RE: manual valve adjustment  
August, 2012

#### Notice of repair and maintenance requirements:

Wood's Powr-Grip takes pride in our products and is committed to providing you with the best service available. We have received points of concern from users of our installation lifters and want to keep you informed. The issues are associated with very popular lifters, and although we have had very few reports of these issues, they have the potential of unanticipated load release. This notification is to help identify and resolve any issues and to help educate users on the proper use and maintenance of the lifters.

The manual valve system that we use on lifters, including model numbers P11104DC, MRT411LDC and MRTA611LDC, is designed to automatically turn the electrical system on when the valve is put in the "apply" position. When moving the valve to the "apply" position, a latch is automatically engaged to keep the valve from being accidentally moved from the "apply" position. To move the valve from the "apply" position, the latch must be released and maintained while the valve is manually moved out of "apply". We have been using this system for over 20 years, long before any standards recommended or required two-action release. From the factory the system has always been set and tested so the "apply" function is active whenever the latch is engaged.

In one instance, apparently a user was confused by the fact that the lifter with the dual vacuum system turned on slightly before the valve was pulled all the way out to "apply". Without fully extending the valve handle, the lifter functioned fine, but the latch was not engaged and was accidentally moved to the "release" position. It is important that the users move the valve handle all the way out, to engage the latch when putting the lifter into the "apply" position. To reduce the likelihood of this scenario, we have adjusted some dimensions and tolerances on the valve parts so that the latch will engage at the same time that the pump turns on. In order to accomplish that, we made a modification to allow the valve stop to be adjusted for that operation. That does require monitoring to be sure the stop is properly set. Previously a groove in the valve shaft provided a fixed location for the stop's set screw.

A different instance involved a single vacuum system valve being in "release" when the latch was still engaged. We have not actually seen the valve assembly to evaluate this condition, but because of several incorporated features, the only explanation we have is that some components had severe damage or it was incorrectly assembled during a modification or repair. In the following graphic, note that the valve-stop set screw goes into a groove to position it. The valve handle set screw goes into a similar groove. The valve shaft needs to be correctly oriented so the correct groove is used for the correct set screw. Each set screw should be secured with thread locking compound such as Loctite 242. Note the relative location of the valve stop, micro-switch, valve handle and the valve lock lever. Verify the valve lock lever is not bent, worn or damaged. When the valve handle is pulled out all the



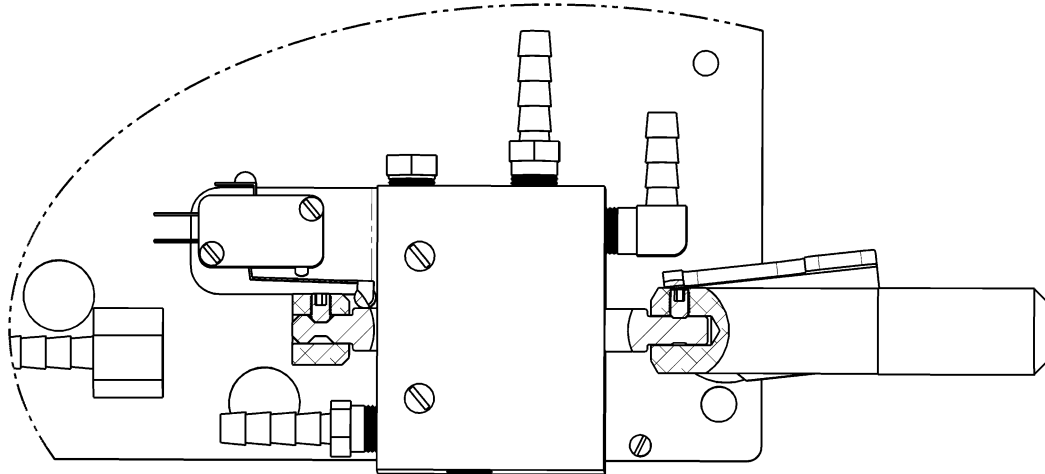
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way, the valve latch should be engaged. When the valve handle is pushed up to the valve latch restraint, the lever of the micro-switch should still be on the valve stop to power the pump.

Your continued satisfaction with Powr-Grip products is very important to us. This service bulletin is intended to provide you with the information needed to ensure that all our equipment products are maintained to function correctly. We also want to assure you that we are continuously improving, to increase quality and reduce the chances of field failures. If you have any questions or need further assistance, please contact your dealer or a Technical Service Representative at Wood's Powr-Grip.

Sincerely,

The team at Wood's Powr-Grip