

HWH Hydraulic System Troubleshooting

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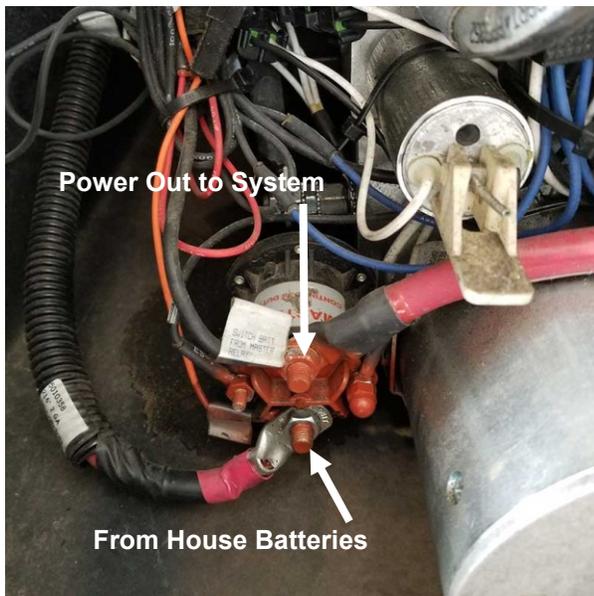
When you find the hydraulic system for the levelers and the slides acting up, the first thing to check are the four in-line fuses on the pump controller. There is a main 40amp fuse and three smaller ones.

If the fuses are good, the next thing to check is the main or master solenoid. If you are getting no indication of power to the control panel, the air bags won't inflate or the hydraulic slides won't work check the master solenoid with a DC volt meter. With the ignition on and the coach in park (Slides Ready Condition), the master solenoid should engage, passing power to the leveling system, the pump solenoid, the control panel and the slides.

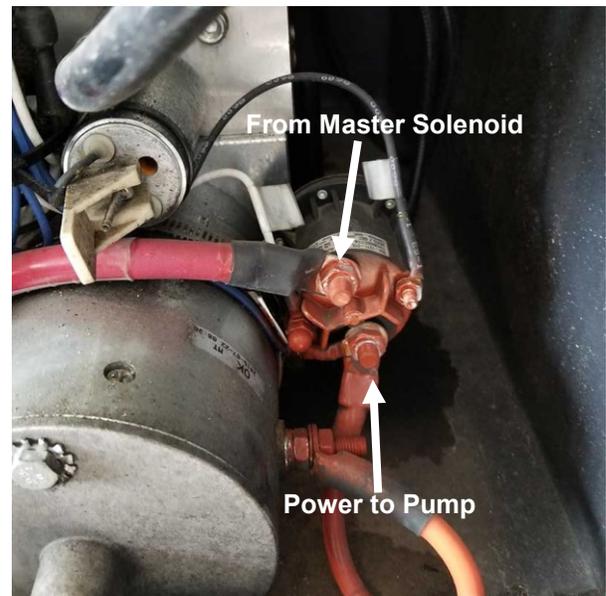
Using the volt meter, the two large terminal posts on the master solenoid should read the same voltage to ground when the coach is in "slides ready" status. If the coach is not in slide ready condition, or the solenoid is not working properly then there will be battery voltage to the lower terminal but none to the upper.

What happens over time is the contacts inside the solenoid become tarnished or burned slightly making proper contact a hit and miss situation. Since these are sealed solenoids, the only option is to replace a defective one. The two solenoids are actually slightly different. The Master solenoid is what's called "continuous duty" that can withstand being on for long periods. The pump solenoid is an intermittent type that can't run continuously. IF you want a spare, carry the master since it can be used in both positions but the pump relay should not be used as a master. The bottom photo is a defective solenoid opened for illustration.

Changing out a solenoid is easy as they are only held onto the pump motor with a large hose clamp. Loosen the clamp and the solenoids come right out.



Master Solenoid - Trombetta 684-1211-012



Pump Solenoid - Trombetta 684-1211-212

