

CRYSTEEL MFG. INC. TROUBLE SHOOTING GUIDE FOR MONARCH HYDRAULICS POWER UNITS

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This document is to be used as a guide to troubleshoot problems with Monarch Hydraulics Power Units.

Power Unit Does Not Activate



1. Make sure the power unit is attached to the unit
2. Make sure the battery is charged and offering 12 volts at the unit
3. Make sure the cord halves are securely plugged together
4. Make sure the unit has a secure ground
5. Eliminate the solenoid by using a jumper wire across the two large posts. This will supply power directly to the motor. If the motor runs, replace the solenoid.
6. Make sure all of the terminals are clean and tight. Any corrosion should be removed from the terminals. You should also check for corrosion in the diode, located in the cord near the power unit. If the diode is corroded, it must be replaced, as it can cause the unit to malfunction.
7. If this does not work, contact Crysteel Mfg Inc, as the power unit may need to be replaced.

Power Unit Does Not Allow the Bed to Lower

1. Make sure the power unit is attached to the battery
2. Make sure the unit has a good ground
3. Make sure the coil is getting at least 10 volts of power
4. Make sure the coil is becoming energized
5. If the coil is becoming energized and the bed still will not lower, you potentially have a contaminated valve or bent valve stem that will need to be replaced.
6. If the coil does not become energized, replace the coil.
7. Check the diode in the cord set for corrosion. If corroded, this section can be replaced. The entire unit does not need to be replaced.
8. If replacing the coil or entire valve does not rectify the problem, contact Crysteel Mfg Inc, as the unit will probably need to be sent to Monarch for evaluation.