



KTI HYDRAULICS PUMP TROUBLE SHOOTING QUICK REFERENCE GUIDE

Possible Cause	Not Building Pressure	Motor Not Running	Cylinder Won't Extend	Cylinder Won't Retract	Won't Hold Load	Excessive Heat From Unit	Aeration of Hydraulic Fluid	Reservoir Overflows	Cylinder Extends With Unit Not Operating	Struggles to Lift Load	Load Bounces When Cylinder Retracts	Start Solenoid Just Clicks-Motor Not Engaging	Won't Lift Load (DC Motor Under Load)	Won't Lift Load (DC Motor Not Under Load)	Won't Lower	Start Solenoid Stays On	Cylinder won't Retract Motor Under Load
Low Battery Voltage		o	o	o		o		o		o		o					
Poor Ground Condition		o	o	o		o		o		o		o					
Check Hand Control												o			o		o
Debris in Load Holding Valve					o												
Thermal Pressure Lock			o														o
Coil Not Energizing			o	o								o			o		o
Bad Seals in Cylinder	o										o						o
Loose Inlet				o		o	o				o						o
Packing on Cylinder Rod Worn Out			o		o				o		o				o		o
Hoses Connected Backwards											o						
Pump Not Priming	o		o														
Clogged Orifice				o											o		o
Rust In Motor		o															
Bad Diode				o													o
Check For Additional Valving On or Connected to Cylinder					o												
Directional Valve Not Shifting Properly			o	o						o					o		o
Bad Start Solenoid												o			o	o	
Dirty Contacts in Hand Control			o	o								o	o				

For Additional Trouble Shooting Questions, Please Call KTI Hydraulics Warranty Department at:

714-556-8818