

**TROUBLE SHOOTING GUIDE 7K/5K/10K EZ TORSION MODELS**

<b>Symptoms</b>	<b>Check List</b>	<b>Emergency Action</b>
System does not power on/does not operate properly	Verify battery is fully charged	If battery voltage is below 12V charge battery
Power Unit not operating	Check Master Switch is on	Disconnect power wires to motor and use jumper cable to each pole on pump. Reverse cables to operate in other direction.
	Check Electrical connection at motor	
	Check Electrical connection at Solenoid	
	Check Electrical connection at master switch	
	Check Electrical connection at battery	
	Verify battery is fully charged	
Pump runs but cylinders do not operate	Check reservoir fluid level	Fill reservoir with Petro-Canada Hydrex Extreme Fluid or United Zinc Free Arctic Hydraulic Fluid.
	Verify manual lock is in unlocked position	Pull lock handel out until it is perpendicular to trailer
	Check relief valve setting on power unit, relief set to low	See Operators Manual for "Adjusting Pressure Relief Valves"
Cylinders "spongy" or "Jerking" when operating. Trailer won't raise completely with load	Check reservoir fluid level	Fill reservoir with Petro-Canada Hydrex Extreme Fluid or United Zinc Free Arctic Hydraulic Fluid.
	Check for air present in system	Bleed system/cycle system to remove air
	check for loose fittings	Tighten fittings and cycle system to remove air
	Inspect/Replace hydraulic reservoir vent cap	Clean out debris or replace with part 035-56070
	Check Pilot valve on pump assembly for contamination	Clean out debris or replace with part 103373
	Check Pilot valve on Blocking valve for contamination	Clean out debris or replace with part 029-302205
	Verify hydraulic hose routing	See Operators Manual for schematic
Remove hydraulic reservoir from pump unit and inspect intake screen for debris	Clean as necessary and replace hydraulic fluid with Petro-Canada Hydrex Extreme Fluid or United Zinc Free Arctic Hydraulic Fluid.	
Trailer creeping down while sitting	Check for air present in system	Bleed system/cycle system to remove air
	Check Pilot valve on pump assembly for contamination	Clean out debris or replace with part 103373
	Check Pilot valve on Blocking valve for contamination	Clean out debris or replace with part 029-302205
	Verify hydraulic hose routing	See Operators Manual for schematic
Wireless remote not working	Verify remote is on	Hold raise and lower buttons simultaneously until red light comes on.
	Verify Master switch is on	Check to see if you are getting 12 volts to the red and black terminals at solenoid. If you have 12 volts check the blue and yellow wires at pump for 12 volts while pushing corded switch in raise position.
	Check Electrical connection motor	
	Check Electrical connection at Solenoid	
	Check Electrical connection at master switch	
	Check Electrical connection at battery	Try to operate trailer with corded switch, if trailer operates change battery in remote
Check battery in remote		
Corded switch not working	Verify Master switch is on	Check to see if you are getting 12 volts to the red and black terminals at solenoid. If you have 12 volts check the blue and yellow wires at pump for 12 volts while pushing corded switch in raise position.
	Check cord connection at solenoid	
	Check Electrical connection motor	
	Check Electrical connection at Solenoid	
	Check Electrical connection at master switch	
Check Electrical connection at battery		
Manual Lock hard to open or will not fully engage	Verify trailer is in full raised position	Raise trailer with switch or wireless remote
Trailer lights not working	Check fuse in tow vehicle	Reference tow vehicles Owners Manual
	Check junction box for proper wiring and loose teminals	