

TROUBLE SHOOTING GUIDE

Electric Drive Bow Systems

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PROBLEM	SYMPTOM	CAUSE	SOLUTION
Tarp will not fully extend or retract.	Cable slips on Drive Pulley.	Not enough cable tension.	Add tension using cable adjustment on Hand Crank mount.
	Bow Sliders are binding on top rail.	Irregularities (dents) etc. in top rail of box.	Rail must be smooth. Repair top rail of box.
		Pulleys and/or Pulley Boxes are misaligned.	Reset Pulleys and Cables to proper alignment.
Motor will not turn or turns slowly.	Bow Sliders are binding on top rail.	Hold Down Hooks are binding against Sliders.	Reposition Hold Down Brackets.
		Irregularities (dents) etc. in top rail of box.	Rail must be smooth. Repair top rail of box.
		Pulleys and/or Pulley Boxes are misaligned (see instructions).	Pulleys and cables must be parrallel and square (see instructions) Reset Pulleys to proper alignment.
	Hold Down Brackets are binding against Sliders.	Reposition Hold Down Brackets.	
Low voltage and/or amperage to Motor.		Cable adjustment is too tight.	Add slack to Cable at Motor Mount Adjustment.
		Wrong gauge wire used.	6 gauge wire must be used from the power source through the Switch to the Motor (See motor check out procedure).

Motor check out procedure:

1. Remove leads from motor & attach volt meter to the leads.
2. With the switch in to on position, the volt meter should read 12 volts minimum. If voltage is low recheck with engine running.
Recheck wiring and connections (minimum 6 gauge wire must be used.)
3. Return switch to the neutral position & reattach leads to motor.
4. Attach volt meter to leads at the motor.
5. With the switch in the on position and the leads attached, the volt meter should read 8.5 volts minimum. If voltage is low recheck with engine running. Recheck wiring and connections (minimum 6 gauge wire must be used).
6. Return switch to the neutral position and attach amp meter to leads at the motor.
7. With the switch in the on position, amp meter should read approximately 30 amps. Constant amperage reading of over 50 amps indicated binding in the system and/or low voltage.
8. Disconnect 6 ga #10 terminal end from the solenoid side of the breaker.
9. Connect the 6 ga #10 terminal end to the battery side of the breaker. This will bypass the breaker.
10. Test the tarp system. If the motor operates properly then replace the breaker.

