

# EZ Flow<sup>XR</sup> Trap System Troubleshooting Guide

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Below you will find troubleshooting steps for common trap system issues.

- **Keypad will not power on.**

**May indicate no voltage to the control box and/or keypad.**

1. Check that the 2-pole power cord is plugged into the trailer and has the proper polarity & voltage to the trap system.
2. Turn on the trap system by pressing the (Open) & (Close) buttons on the front hopper for 3-5 seconds until the blue LED illuminates.
3. Test the remote functions of the trap system by pressing the (Open) & (Close) buttons on the remote when on mode 2 (second light) for 3-5 seconds to verify if keypad button failure has occurred.
4. Check for grease, dirt, and corroded connections at the battery terminals, circuit breaker and also at the trailer power receptacle plug and outlet.
5. Inspect the connections inside junction box in the nose of the trailer for corrosion/moisture.
6. Check that the comm cable from the keypad is seated properly inside the control box.
7. Check for proper voltage at the BAT+ in the control box while inspecting the control box wiring for breakage, moisture or corrosion on the terminals.

- **Keypad powers off while running the doors.**

**Indicates a poor connection, ground or circuit breaker.**

1. Remove, clean & reinstall all ground connections including from control box to the frame, 2-pole connector to Z-post or junction box to Z-post, check for looseness and corrosion.
2. Check connections at the tractor battery for looseness and corrosion.
3. Inspect the tractor connection for the 2-pole trailer connector for looseness and corrosion.
4. Inspect circuit breaker for proper sizing, looseness and corrosion. Must be minimum of 100 amps.
5. Try connecting battery power with jumper cables directly to the POS+ terminal in the control box and NEG- to the frame to eliminate trailer wiring failure. Take care not to short-out connections inside control box.

- **Trap doors or motor/pump runs slow.**

**Indicates clogged pump intake or a bad motor/pump.**

1. Inspect all trailer connections for corrosion or looseness from the tractor battery to control box.
2. Check the wiring and motor terminal connections for looseness and corrosion.
3. Inspect/replace hydraulic reservoir vent cap if clogged.
4. Remove hydraulic reservoir from the pump unit and inspect intake screen for debris, clean as necessary and replace dirty hydraulic fluid with new. PM maintenance kit (part # 101316) is available.
5. If motor/pump is not engaging, tap on the motor housing noting if the motor then runs indicating the brushes are bad.
6. Using hydraulic pressure gauges, measure the pressure output from the motor. Newer style power units (2015 and above) should be set at 2500psi or above from factory. Older power units (2014 and below) are set at 1000psi.

- **Trap doors open on own or can also stutter while opening.**

Indicates air in the system

1. Bleed the hydraulic system at the furthest points on the cylinders until the air has been evacuated.

- **Motor runs but doors do not open/close.**

Indicates blocking valve or wire harness issues

1. Inspect solenoid harness connections to the blocking valve for breakage, corrosion or looseness.
2. Unplug the solenoid connectors and use a voltmeter to determine if sufficient voltage is being supplied to the solenoid connector while pressing the open or close buttons on the control box.
3. While pushing the open or close buttons on the control box, and while motor is running, push down on either of the two solenoid button valves, located on top of the solenoid near the connector, to verify door movement.

- **EZ Flow Trap system does not function and a red flashing light is present on the RF keypad, indicating an error code.**

See error code explanations below: Codes will flash, pause, and repeat until problem is corrected.

- a) **Two** flashes indicates Overcurrent Protection. This is normal operation if door fully opened or closed.
- b) **Three** flashes indicates an Overheat Protection issue. This typically occurs if the system has been started and stopped rapidly in a short period of time. Also, it can indicate increased drag on the doors causing excess amperage. Re-check the EZ Flow system after a cool down period.
- c) **Four** flashes indicates an Over Voltage Protection issue. Using a voltmeter, check the tractor batteries & alternator for voltage exceeding 15.5 volts.
- d) **Five** flashes indicates an Under Voltage Protection issue. Using a voltmeter, check the system for low voltage. Also check all connection points for looseness and corrosion including battery terminals, circuit breaker, power cord, and receptacle plug. Connect an alternate power source to verify. EZ Flow system must have a minimum of 100 amp circuit breaker installed.
- e) **Seven** flashes indicates there is not enough amperage or voltage to run the motor OR the motor windings are shorted. Will reset after 10 seconds or **MAY REQUIRE REMOVING POWER TO RESET.**
  - (1) Connect an alternate power source to verify a low amperage/voltage problem.
  - (2) Check all connections for looseness and corrosion.
  - (3) Make sure the battery is fully charged and the charging system on the truck or power supply is running and working properly.
- f) **Eight** flashes indicates com failure from the control box. Check com cable between keypad and control box for damage.