

# Aeris® Debugging Guide

Part Number: 01-571-8301

Revision: 8/26/15

Rev: A

**Instructions:** To help us better understand the issue, before returning the parts for warranty, please check with an “X” each box below and briefly explain the malfunction of the system on the blank space provided.

- Are all hoses connected together from the axle to the control box? **See setup section in debugging guide.**
- Did light blink 3 times in control box on power up? **See step 1 in debugging guide.**
- Did light at front of trailer blink 3 times on power up? **See steps 2 & 3 in debugging guide.**
- Is the light at the front blinking inconsistently after the 3 blinks? **See step 4 in debugging guide.**
- Is the light at the front staying on or blinking consistently? **See step 5 in debugging guide.**
- Does the light eventually turn off? **See step 6 in debugging guide.**

## Setup Section:

- Take the line that has been connected to all of the Axle Pressure lines to the far right of the control box and plug it in to the DOT push connect fitting.
- Connect control box pigtail to the 70 Foot wiring harness which is connected to the 7-way connector.
- Connect Lamp wires to ground and the yellow wire from the 70 Foot wiring harness.

## AERIS Control Box installation debugging steps

1. With the entire system connected apply power. Does the red light on the circuit board blink at power up?
  - If no then check power connections +12 and Ground continuity to the circuit board and 7 pin connector.

2. After power up works successfully the lamp should blink 3 times on each power up event. If it does not then disconnect the yellow wire in the control box and connect it directly to power. The light should light up.
  - If not then the power or ground connection to the light is not connected correctly or the lamp is burned out.
3. If both light and board power up then verify that both blink three times on a power up event both on the circuit board and at the front light on the trailer.
  - If the lights on the circuit board blink but the light on the trailer does not then you have a circuit board problem.
4. If both the light on the trailer and the light on the board blink 3 times next check that the blinking stops or that the light on the front of the trailer goes to a solid on state or consistent blink state or an off state. Those are all three valid states.
  - If the light on the trailer keeps blinking but in an inconsistent manner like two fast then one slow this means that pressure has not reached the control box yet. Check that the air control valve is in the on position.
  - If the control valve is in the on position then the brake system has not received enough air to open the PPV valve yet. Wait for the airbrake tank to fill or check glad hands are connected to the tractor.
5. If the light stays on solid or blinks consistently in timing then the system is taking air. If no hissing is heard coming out of the air connections then the tires are low and simply taking air.
  - If hissing is coming from an air connection, fix the leak.
6. If the light goes out after the first 3 blinks then all is ok and tires are aired up.