

COMMON ISSUES

1. Does not run or only clicks.
2. Runs intermittent.
3. Does not build pressure.
4. Mushy or delayed response.
5. Leaks.
6. Brakes dragging.

TROUBLE SHOOTING WITH CUSTOMER

1. Identify issue.
2. Identify proper BrakeRite. Hardwire, P & P or SD.
3. Any recent work on trailer or tow vehicle.
4. Age of unit.
5. Issue new or old.

CAUSES

1. DOES NOT RUN OR ONLY CLICKS

- A. Low black wire voltage.
- B. Proper voltage on blue wire.
- C. Proper ground. Back to tow vehicle battery no frame ground.
- D. Low or bad Breakaway Batteries.
- E. Compatibility issues : Ford 2006.5 to 2014, GM 2006.5 to 2015, GM 2020, Ram possible all years.
- F. Bad Breakaway Switch.
- G. Ground issue.

After checking the above issues, have customer pull breakaway switch. If that fails have customer perform the proper attached three wire test.

2. RUNS INTERMITTENT

- A. Check for proper grounding. Check frame ground.
- B. Constant voltage on black & blue (brakes engaged).
- C. Compatible Brake controller.

After checking the above issues, have customer pull breakaway switch. If that fails have customer perform the proper attached three wire test. ►

3. DOES NOT BUILD PRESSURE

- A. Proper voltage on black & blue wires.
- B. New unit.
- C. Storage time long if used.
- D. Contamination in fluid.
- E. Brake Line issues.
- F. Compatibility issues : Ford 2006.5 to 2014, GM 2006.5 to 2015, GM 2020, Ram possible all years.
- G. Proportional valve.

After checking above issues, being able to listen to BrakeRite is major help. Have customer purge system if new or has been in storage for some time. If fluid contaminated remove brake line and change brake fluid. Do three wire tests produce proper PSI? Only if out of warranty give them instructions for cleaning proportional valve. This should be last resort.

4. MUSHY OR DELAYED RESPONSE

- A. Rebleed brakes (most common).
- B. Check proper wiring (ground).
- C. Proper voltages on black and blue wires.
- D. Compatibility issues : Ford 2006.5 to 2014, GM 2006.5 to 2015, GM 2020, Ram possible all years.
- E. Triple axle only. Main line should be ¼ inch and steel.
- F. Breakaway batteries fully charged.

5. LEAKS

- A. Overfill issue.
- B. Brake line fittings.
- C. Bottom bolts too far in.
- D. Filler cap issue.

Have customer try to identify where leak is from. If draining down to certain level, it is over fill. If leaking completely down, either loose fitting or cap. If not, seal is bad, and unit needs to be replaced.

6. BRAKES DRAGGING

- A. Check blue wire. No or little voltage. When brakes not depressed.
- B. Compatibility issues : Ford 2006.5 to 2014, GM 2006.5 to 2015, GM 2020, Ram possible all years.

Voltage on blue wire is either too high or pulsing when brakes not engaged. If this occurs check if short on trailer or compatibility issue. Also make sure all brakes or hanging up. Not uncommon for customers to have line issues and believe it is actuator problem.