



RE6 SYSTEM

TROUBLESHOOTING GUIDE



System limitations – Do not exceed the system design parameters

The maximum draw on any single output should be limited to 3 amps,

With a total power handling capacity/limit of 5.5 Amps. If you wish to drive higher amperage loads, install a relay, and use the RF system to control the relay. **User induced damage is not covered by warranty.**

- a) If you are using the wireless system in combination with a manual control (toggle switch, wired pendant, etc) you must either install diodes on the RF unit's outputs, or have a switch to disconnect/isolate the RF unit during manual control operation. Failure to do so will allow back-feed current into the RF unit's outputs, and cause permanent damage to the system. **Damage caused by electrical feedback is not covered by warranty.**
- b) Incorrectly connecting the power and ground leads, or output circuit wires will damage the system. Do not reverse polarity on the power & ground wires. Do not connect output wires to any live voltage source. Damage will occur. **Damage caused by incorrect wiring/reverse polarity is not covered by warranty**

Basic troubleshooting actions and important information

To quickly and effectively test/troubleshoot the system, the use of a voltage meter is suggested. It will allow you to quickly and efficiently locate and rectify any problems you are having.



#1 rule in troubleshooting: **Insufficient power supply = Insufficient performance**

Important note: The LED indicators, on both the transmitter and receiver, will function in low/insufficient power conditions. They are not indicators of ample supply voltage, and should not be viewed as such. . -- Test battery voltage, and replace or fully charge batteries as needed.

- 1) Replace the transmitter battery - (Type CR2032 – 3 Volt) Bar none, the most common cause of erratic, or faulty system operation is low transmitter (remote) battery voltage. This should be the first action taken if/when system behavior issues arise.

Any time the transmitter battery voltage drops below 2.85 volts, the battery needs replaced.



Important information:

- a) Even in newly purchased units, the installed battery may be partially discharged. Like a car battery, or any other, the battery will slowly discharge over time, even when sitting idle.
- b) **Any unit sent in for warranty service, where the only problem found is a discharged battery, will not be covered under warranty; service charges will apply.** Change your transmitter battery prior to making any other troubleshooting efforts.



- 2) Verify adequate supply voltage \ power to the receiver – The second most common cause of erratic, or faulty system operation is low power supply voltage. Test and or charge the vehicle 12V battery if/when system behavior issues arise.

The radio system requires a constant power supply of 10+Volts. Any time the vehicle battery voltage drops below 10 volts (under load), the battery should be recharged, or replaced.

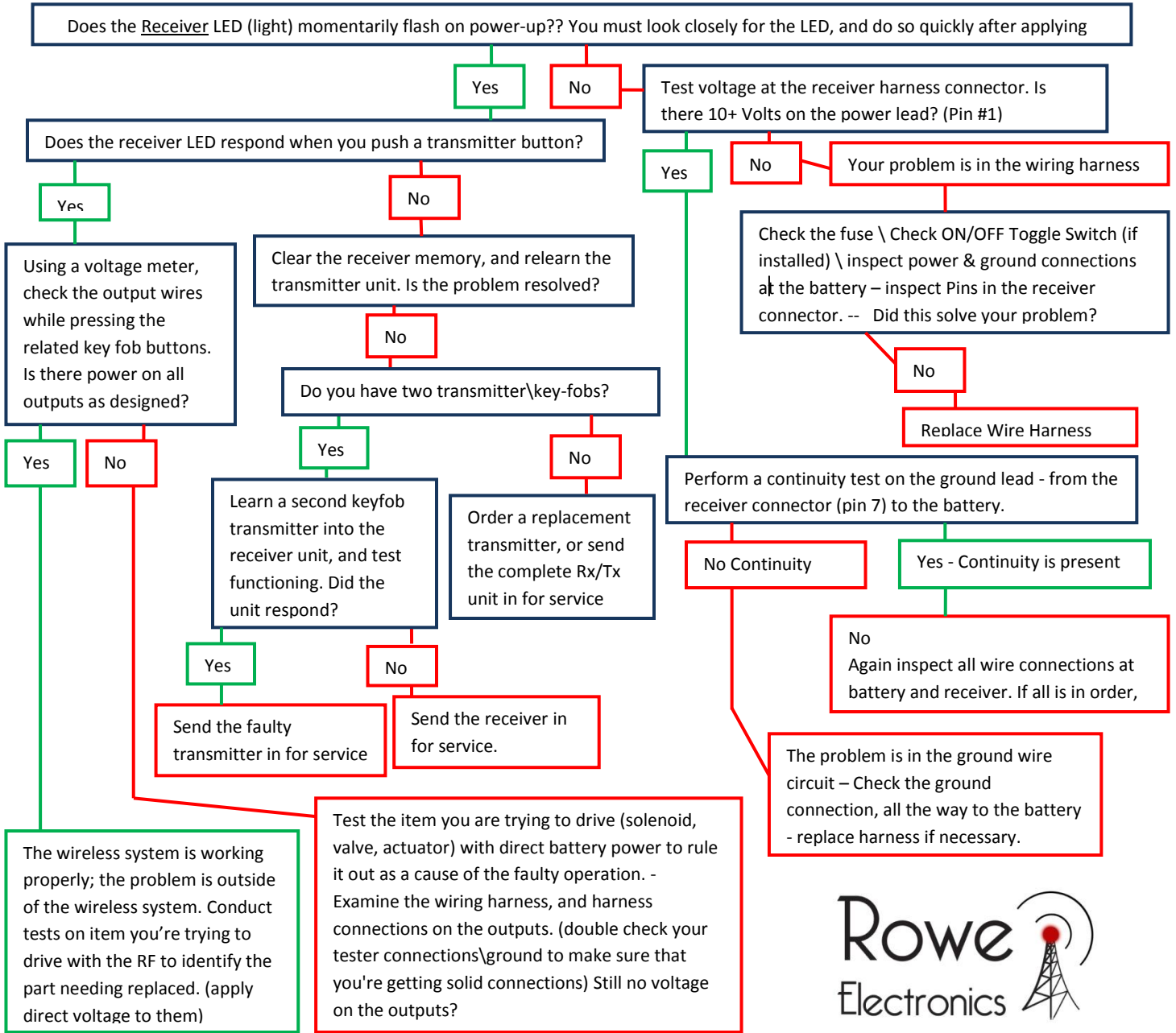


Important information:

- a) a 12V battery may be able to start a small engine, yet not be able to maintain an adequate, constant supply of voltage to the radio unit. **A battery's ability to start a small engine SHOULD NOT be taken as evidence of adequate battery power/voltage.**
- b) If a permanent battery charging system is not on your piece of machinery, and you're having trouble, it's likely that you have a low battery voltage situation. (a battery tender should be used to keep the battery fully charged) Charge your battery.
- c) **Any unit sent in for warranty service where, after a full service inspection, evaluation and performance testing procedure, no problem is found, service charges will be applied.** Test, charge, or change your vehicle battery prior to pursuing additional other troubleshooting efforts.

TROUBLESHOOTING ACTION GUIDE

If, after testing\changing the keyfob battery (2.85V +), and verifying adequate vehicle battery voltage (10+ Volts), you are still having difficulties, proceed as instructed; your owners/instruction manual will instruct you on battery replacement, clearing memory, and learning.



The RE6 RF systems have a one year manufacturer warranty. If your system is less than one year old, contact the vendor\OEM you purchased the unit from for **warranty** service. Per their standard warranty procedure/process, the vendor will provide specific instructions as to how you should proceed.

If your system is over one year old, contact your vendor for the purchase of a replacement unit, or contact Rowe Electronics directly for **non-warranty** service. We're able to repair most units, and restore them to full functionality and dependability.