

## BATTERY TENDER JR TROUBLESHOOTING CHECKLIST

| SYMPTOM  | POSSIBLE CAUSE   | REMEDY   |
|--|--|--|
| No Indicator lights are lit.<br>NOTE: The BTJR must be connected correctly to both the AC power outlet and the battery before the single LED will come on and turn RED indicating that a normal charge cycle has begun.  | 1 No AC power available.   | Insure AC power is available.  |
|  | 2 Battery Tender JR clamps or rings are hooked up incorrectly.   | Reverse polarity of clamps.  |
|  | 3 The fuse is blown in the ring terminal or alligator clip harness.  | Replacement fuse: Bussman Blade Type: ATC-3 to ATC-7.5. (3A to 7.5A)   |
|  | 4 Poor electrical contact.   | See notes on cleaning electrical contacts.   |
|  | 5 Battery voltage is less than 3 volts. (A 12 volt battery may not recover from a discharge this deep.)  | Disconnect all loads from battery (or battery from vehicle), then reattach Battery Tender JR. Wait no more than 3 seconds for solid red light.               |
| The single LED turns GREEN quickly at the beginning of the charge cycle.   | 1 Battery is already fully charged.  | Disconnect the charger from the battery and check the battery voltage with a voltmeter. If battery voltage is at least 12.7 Volts, then it is fully charged. |
|  | 2 Battery may be defective.  | Have battery load tested.  |
|  | 3 Poor electrical contact.   | See notes on cleaning electrical contacts.   |
| Battery Tender JR will not switch to storage charge. The Red light seems to stay on too long. The green light "never" comes on.  | 1 The battery is large and takes a long time to recharge.  | Allow sufficient time for charge. See note below.  |
|  | 2 Battery may be defective.  | Have battery load tested.  |
|  | 3 Excessive load is present on battery during charge cycle.  | Remove load from battery or battery from vehicle.  |
| The charger light is on, but not red or green.   | 1 Poor electrical contact.   | See notes on cleaning electrical contacts.   |
|  | 2 Battery may be defective.  | Have battery load tested.  |
| <b>Note: Cleaning Electrical Contacts:</b>   | If the charger ring terminals, alligator clips, or quick-connect terminals are corroded or damaged or not making full electrical contact, or the battery posts are corroded, then: Disconnect charger cables from battery and clean the battery posts and the charger ring terminals, alligator clips, and/or quick-connect terminals. A number of non-acidic chemical products are available. One of the simplest to use is baking soda and water. Use needle-nose pliers to widen the quick-connect male pin contact area. |  |
| Remember that the charger, the battery, and the vehicle electrical system must all be connected and functioning properly.  |  |  |
|  | <p>Note: After the battery voltage reaches 14.4 volts, the Battery Tender JR will go into the float / maintenance, storage mode.</p>   |  |
| <p>If your charger still has abnormal symptoms after trying the recommended remedies listed above, call or email Deltran Customer Service or Technical Support. Most of the troubles encountered when recharging batteries are due to poor quality or improper electrical connections between the battery and the charger.</p> |  |  |