

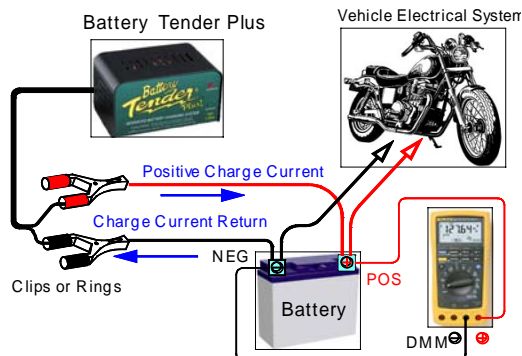
BATTERY TENDER PLUS TROUBLESHOOTING CHECKLIST

SYMPTOM	POSSIBLE CAUSE	REMEDY
No Indicator lights are lit.	1 No AC power available.	Insure AC power is available.
Red light keeps flashing.	1 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 PLUS. Wait no more than 3 seconds for solid red light.
	2 Charger is not properly connected to the battery: rings or clamps are hooked up backwards.	Check the electrical connections and the polarity of the connections, positive to positive, negative to negative.
	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.
Green light turns on 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 Poor electrical contact.	See notes on cleaning electrical contacts.
	3 Battery may be defective.	Have battery load tested.
Battery Tender Plus will not switch to storage charge. The red light stays on too long. The green light "never" comes on.	1 Battery is not fully charged yet.	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.
Both indicator lights are alternating.	1 Poor electrical contact.	See notes on cleaning electrical contacts.
	2 Battery may be defective.	Have battery load tested.

Note: Cleaning Electrical Contacts:

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.



Note: After the battery voltage reaches 14.5 volts, the Battery Tender Plus will go into storage mode after 8 hours or when current is less than 0.1 amp, whichever comes first. If the battery voltage does not reach 14.5 volts within 72 hours, then the Battery Tender plus will also go into storage mode.

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.