



## Installation and Troubleshooting Guide

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### CDI P/N: 511-9772 Amp-meter Adapter for Digital Meters

Requirements: Digital Multimeter with the capability of reading down to 1 millivolt DC (0.001 volt).

Auto ranging meters with a 300 millivolt DC range are highly recommended. The plug-in is coded for the negative post, (If you reverse the plug- the voltage shows as negative voltage).

Tested Range: 1 to 400 Amps in 1 Amp increments

Amperage Reading/Conversion:

- 1 millivolt (0.001volt) DC =1 amp
- 20 millivolts (0.020volts) = 20 amps
- 200 millivolts (0.200 volts) = 200 amps.

#### **If you are disconnecting the negative battery cable (Recommended):**

1. Disconnect the negative battery cable from the battery.
2. Remove the cap from the end of the insulator tube and slide the cap over the battery cable.
3. Reconnect the negative cable to the adapter using the wing nut. Then slide the insulator tube over the connection and re-install the cap.
4. Connect the ring terminal end of the adapter to the battery.
5. Plug the 2 pin connector into the Multimeter (Tab to the positive jack) and set the meter to DC Volts/Millivolts.
6. You are now ready to measure the current flowing through the adapter.

***NOTICE: If your service manual requires that the positive battery cable be disconnected first, follow the instructions below.***

1. Disconnect the positive battery cable from the battery.
2. Remove the cap from the end of the insulator tube and slide the cap over the battery cable.
3. Reconnect the positive cable to the adapter using the wing nut. Then slide the insulator tube over the connection and re-install the cap.
4. Connect the ring terminal end of the adapter to the battery.
5. Plug the 2 pin connector into the Multimeter (Tab to the common jack) and set the meter to DC Volts/Millivolts.
6. You are now ready to measure the current flowing through the adapter.

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