

PRODUCT SAFETY

Snap-on Incorporated

SAFETY RETROFIT

January, 2011

PRODUCTS AFFECTED:

Snap-on EEBC500

PART NAME & DESCRIPTION:

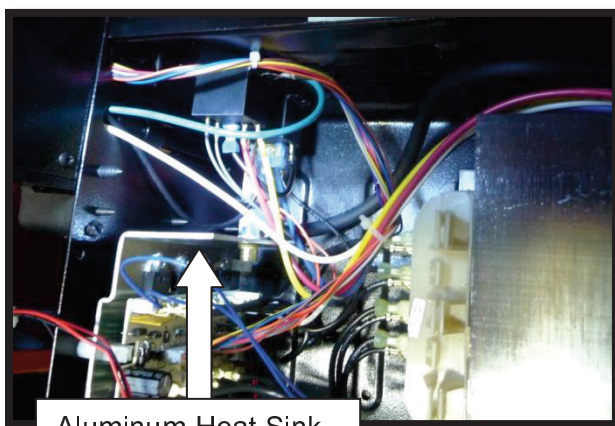
Battery Charger Plus

HAZARD:

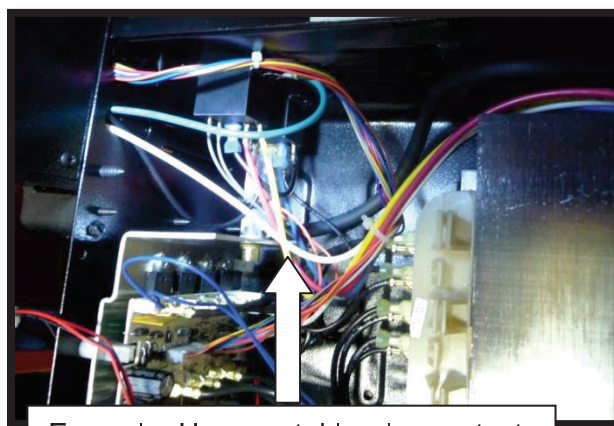
DO NOT plug in or use your EEBC500.

Electrical shock could cause serious personal injury or death.

Internal wires may come in contact with the heat-sink and damage the wire insulation. If the wire insulation is damaged, when the unit is plugged into the AC line, the negative clamp may become energized (to the AC line voltage) causing a shock hazard.



Aluminum Heat Sink



Example: Unacceptable wire contact.

QUESTIONS:

If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007.
Monday – Friday 7:00 am to 5:00 pm CST

PRODUCT SAFETY

Snap-on Incorporated

ACTIONS:

DO NOT plug in or use your EEBC500 until the retrofit kit has been properly installed.

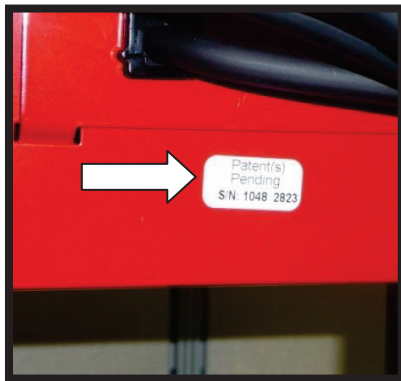
Snap-on will supply a retrofit kit to insure all safety standards are met. Your franchisee will arrange for installation of this kit by early February. This Retrofit should take 15-30 minutes to perform.

This affects all serial numbers from "S/N 0848 XXXX" through "1052 XXXXX"

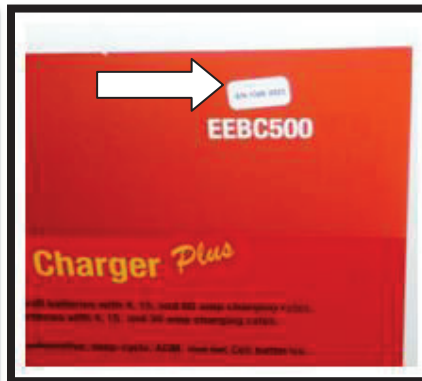
This does not affect any models starting with "S/N1101 XXXXX" or higher

The product serial numbers can be found in the following locations:

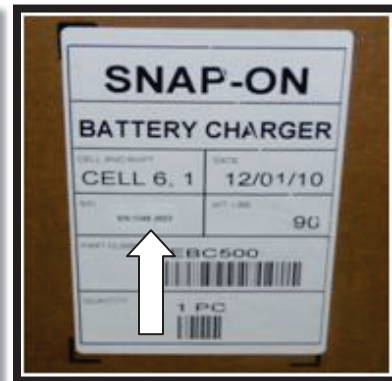
Back of unit



Corner of inner carton



Outer carton ID label



QUESTIONS:

If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007. Monday – Friday 7:00 am to 5:00 pm CST

PRODUCT SAFETY

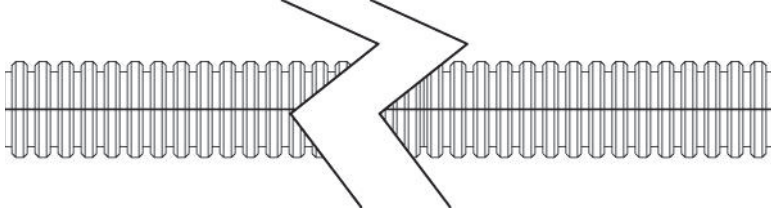
Snap-on Incorporated

Before you begin:

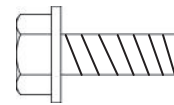
- Wear safety glasses.
- DANGER: RISK OF ELECTRIC SHOCK! Unplug the EEBC500 from the A.C. line before installing this kit.
- Place the charger on a workbench and carefully follow these instructions.

RETROFIT KIT INCLUDES:

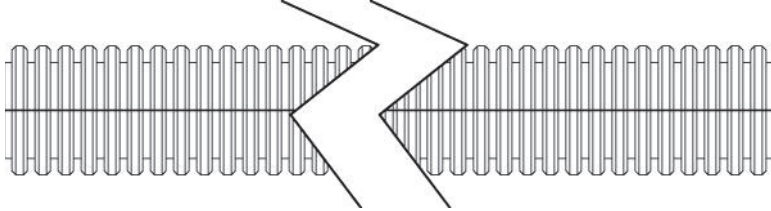
(1) 1/4 - 5" (6.35 - 127mm) Black Split Tube



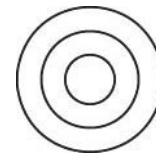
(1) 1/4-20 x 5/8" (15.9mm) Bolt



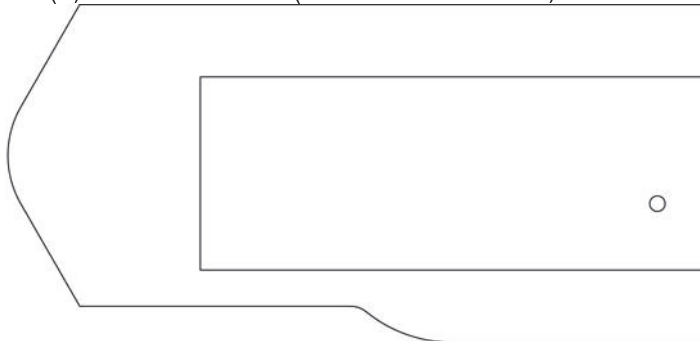
(1) 1/2 - 12" (12.7 - 304mm) Black Split Tube



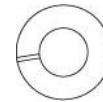
(1) Metal Spacer



(1) Heat Sink Shield (Shown at 50% Scale)



(1) 1/4" (6.35mm) Lock Washer

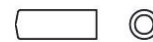


(6) Cable Ties



(2) Small Caps

(2) Large Caps



Tools Required:

- (1) Flat blade screwdriver
- (1) #2 square bit (included) or 1/4" hex head
- (1) 3/8" box end wrench
- (1) Wire cutter

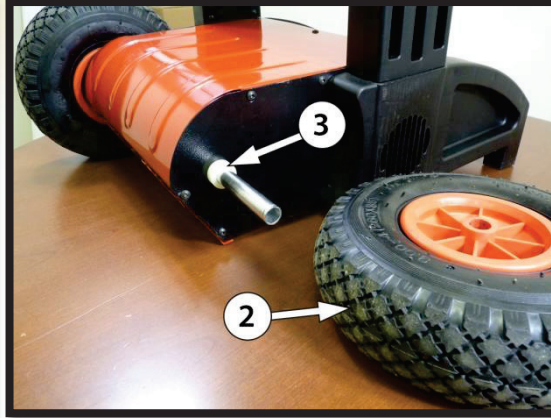
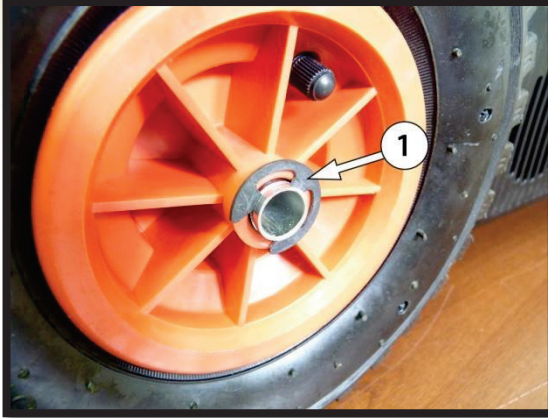
QUESTIONS:

If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007. Monday – Friday 7:00 am to 5:00 pm CST

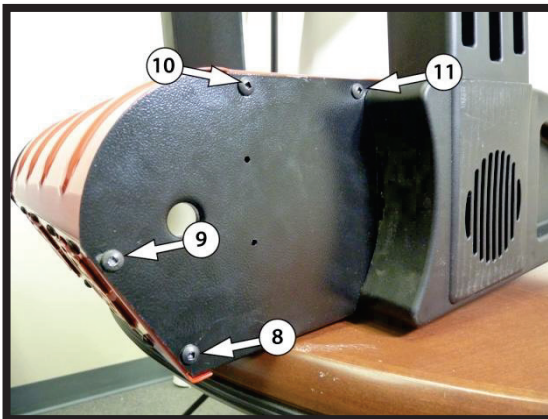
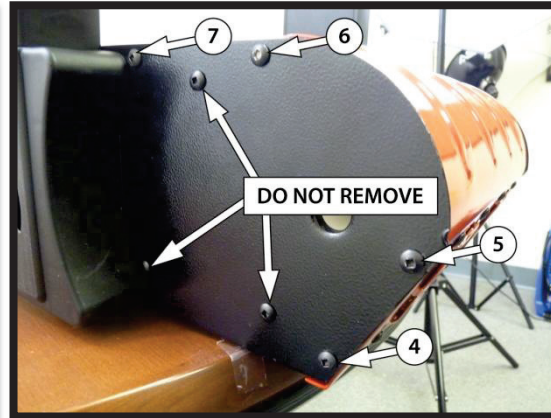
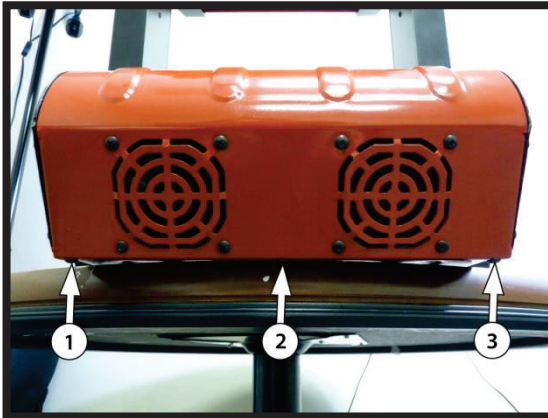
PRODUCT SAFETY

Step 1 – Remove the Back Cover:

1A. Remove the E-clip (1), wheel (2) and spacer (3) from the right side of the charger. Lift the charger and slide out the wheel, axle and spacer.



1B. Remove 14 screws (#2 Square bit or 1/4" Hex head) in the order shown below.



QUESTIONS:

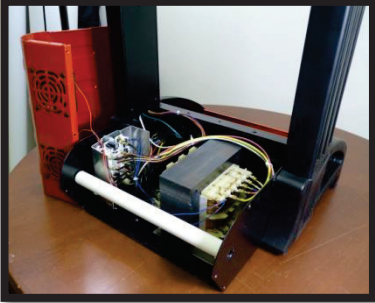
If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007. Monday – Friday 7:00 am to 5:00 pm CST

PRODUCT SAFETY

Snap-on Incorporated

1C. To remove, slide the cover back and place it on the left side being careful not to disconnect the fan wires.

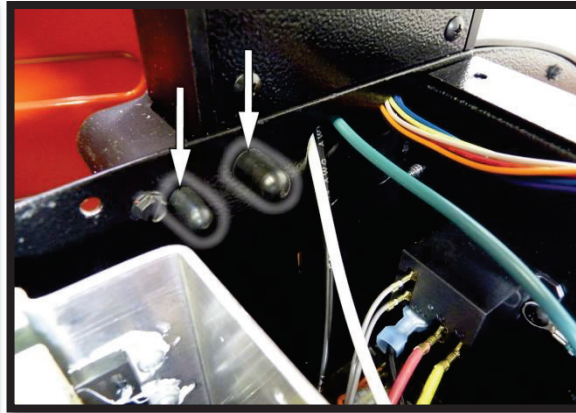
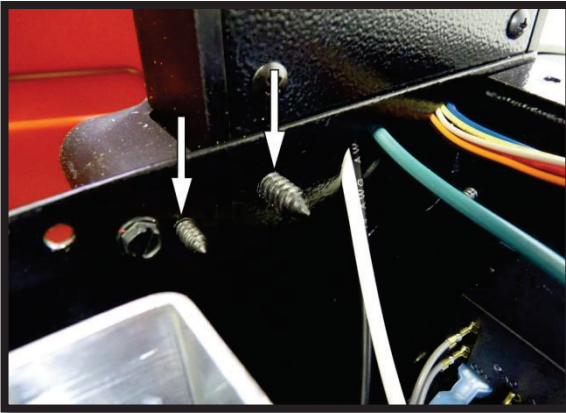
Note: If the fan wires disconnect, see step 6A for reassembly.



NOTE: Before performing steps 2 through 6 below, inspect all wires to ensure the wire insulation is not damaged. If damaged, call Customer Service.

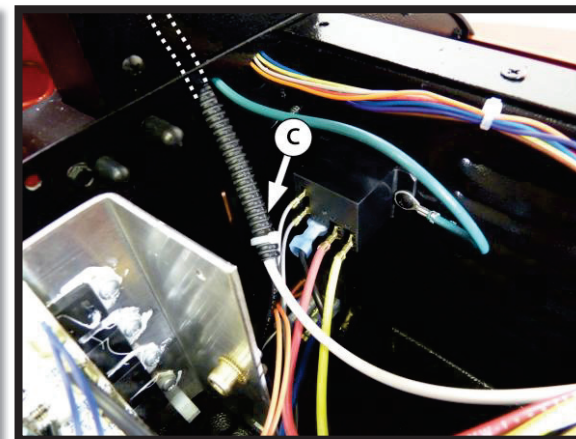
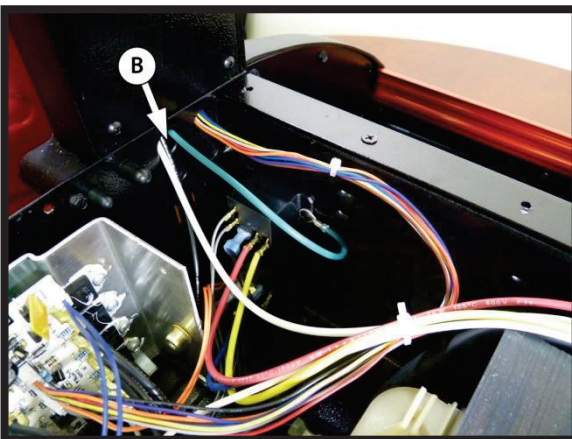
Step 2 – Install Caps on Sheet Metal Screws:

2A. Screw the rubber caps over the top two black sheet metal screws on each side.



Step 3 – Install Plastic Slit Tubing:

3A. Locate the 14 AWG black, white and green wires exiting the side panel (B). Place 1/4" x 5" (6.35 – 127mm) black split tube over the black and white wires. Remove existing wire ties if they are in the way. Install the tube per (C). Insert 1" (25mm) of tube into side panel and secure other end with cable tie.

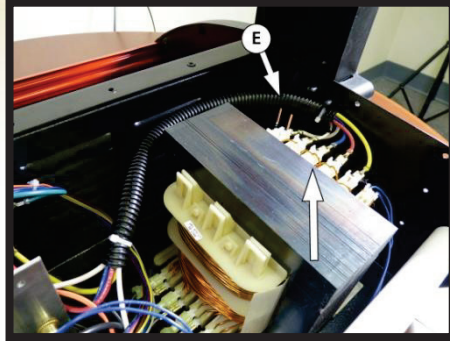
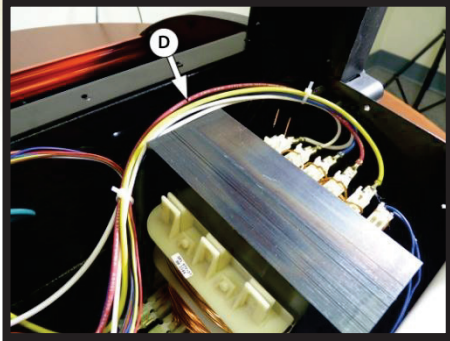


QUESTIONS:

If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007.
Monday – Friday 7:00 am to 5:00 pm CST

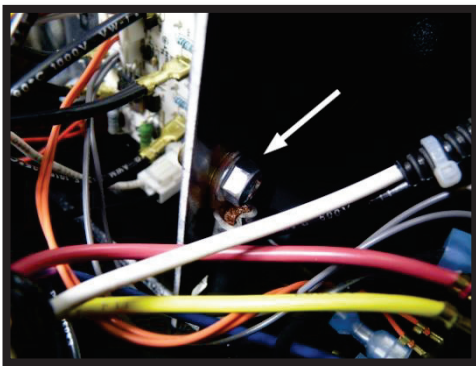
PRODUCT SAFETY

3B. Locate the red, blue, yellow and white wires shown in (D). Place the 1/2" x 12" (12.7 x 304mm) black split tube over the wires (E). Remove the existing cable ties if they are in the way. Secure the tube in place with a wire tie near each end.

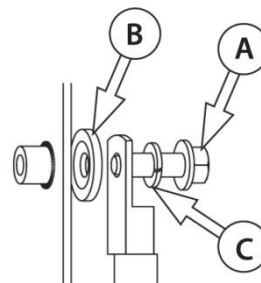
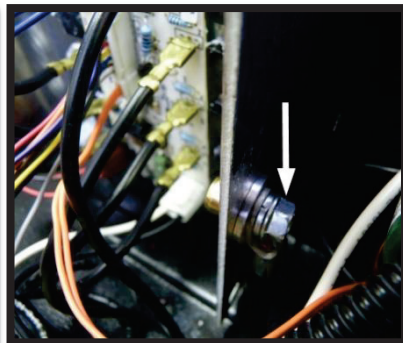


Step 4 – Add Spacer and Lock Washer:

4A. Using 3/8" wrench, remove and dispose of the bolt that secures the 4 AWG wire to the heat-sink.



4B. Install the replacement hardware (longer bolt (A) metal spacer (B) and lock washer (C)), route the 4 AWG cable in a downward direction, and tighten to 60 in-lbs (6.78 N-m). Install the replacement hardware in the order shown in the illustration and make sure that the recess in the spacer is toward the heat-sink.



(A) 1/4-20 x 5/8"
(15.9mm) Bolt

(B) Metal Spacer

⚠ WARNING:
Recessed side of
metal spacer *must*
face heat-sink.

(C) 1/4" (6.35mm)
Lock washer

QUESTIONS:

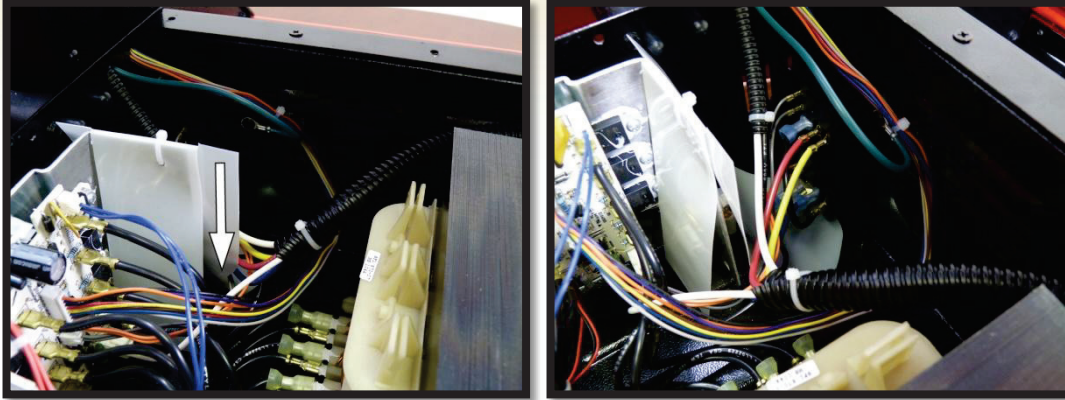
If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007. Monday – Friday 7:00 am to 5:00 pm CST

PRODUCT SAFETY

Snap-on Incorporated

Step 5 – Install Mylar Shield:

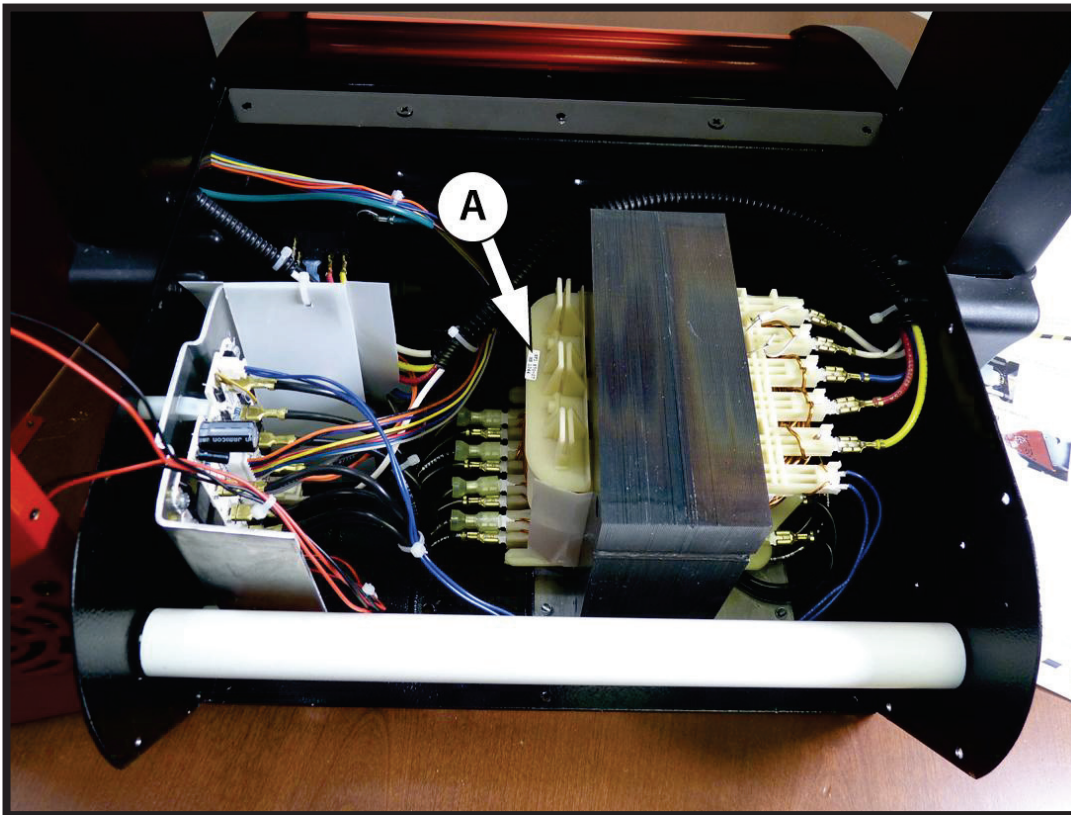
5A. Insert the Mylar shield over the top of the heat-sink so that it isolates both sides of the heat-sink from the wires. The wider side covers the 4 AWG cable re-installed in step 4B.



5B. Install a cable tie through both holes in the shield and the hole in the top of the heat-sink.

5C. The final assembly looks like the picture below. Trim the excess from the cable ties with the wire cutters.

5D. Record the transformer serial number (A). This serial number is different than the serial number for the complete charger.



QUESTIONS:

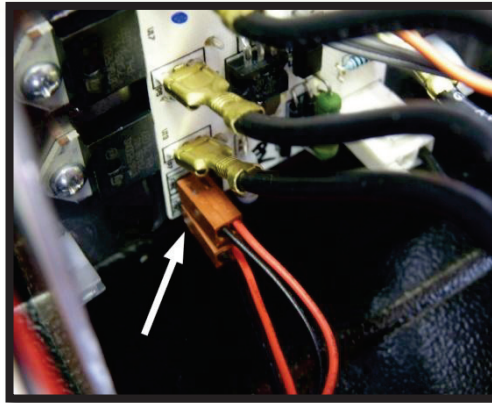
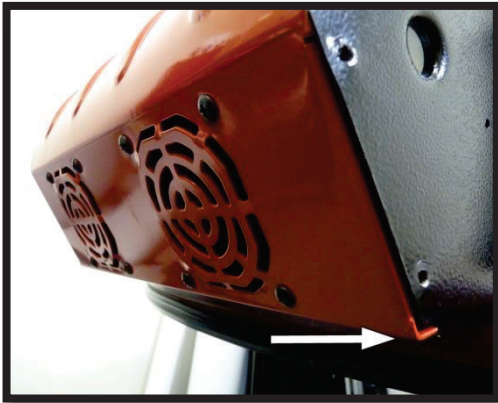
If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007. Monday – Friday 7:00 am to 5:00 pm CST

PRODUCT SAFETY

Snap-on Incorporated

Step 6 – Reinstall Cover and Wheels:

6A. Slide the cover in from the back. The back lip should be under the charger, and the side lips should be inside the charger.



Note: Confirm fan wires are connected as shown with **black** wires facing the edge of circuit board.

6B. Replace all 14 screws in the same order of disassembly in step 1B (page 4).

Note: If the unit has hex head screws, the longer slotted screws *must* be installed in positions 12, 13, 14 (Step 1B).

6C. Reinstall the wheels, spacers, axle and E-clip. See step 1A (page 4) for correct spacer placement to prevent the wheel from rubbing against the side.

Step 7 – Complete:

7A. The EEBC500 Retrofit is now complete, thank you for your understanding and cooperation. Complete and return the Retrofit card by carefully following the instructions on the card.

QUESTIONS:

If you have questions on this advisory or need assistance, contact Customer Service at (866) 713-6007.
Monday – Friday 7:00 am to 5:00 pm CST