

CCU-711 Amp Card Heat Sink Retrofit Kit Instructional Leaflet

Technical Support: 1-800-815-2258

Instructional Leaflet

This instructional leaflet contains the procedure for installing retrofit heat sinks on both amp cards in a CCU-711. The retrofit heat sinks can be installed on amp cards with the part number 5552C17 Rev B (revision date - 2/1/06).



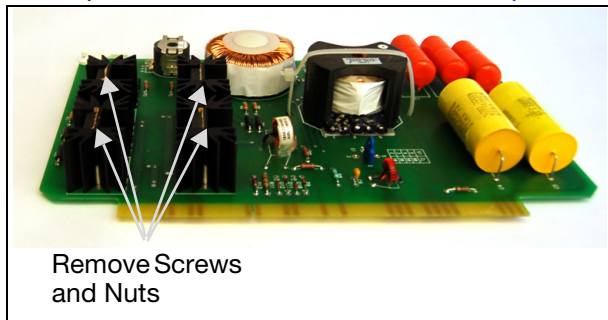
CAUTION Observe precautions for handling electrostatic sensitive devices.

Heat Sink Installation

This section describes how to install retrofit heat sinks on both amp cards in a CCU-711.

1. Open the door of the CCU.
2. Turn off the power to the CCU.
3. Remove an amp card from the CCU.
4. Loosen the four screws using the right angle screwdriver, then remove the screws and nuts from the existing power transistor/heat sink assemblies.

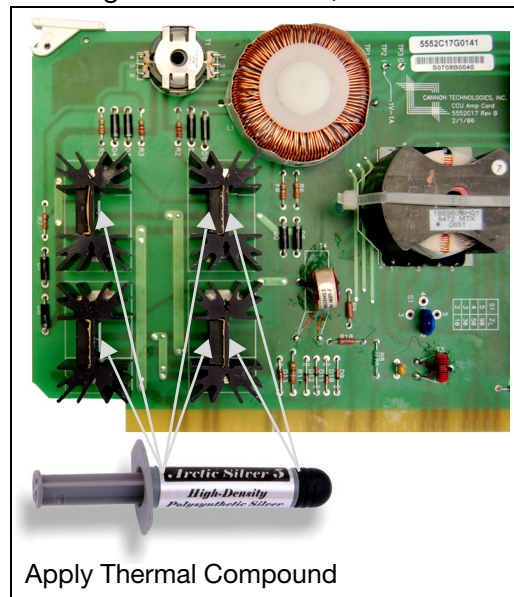
Keep two of the screws to use in [step 7](#).



The following materials are required to perform this procedure:

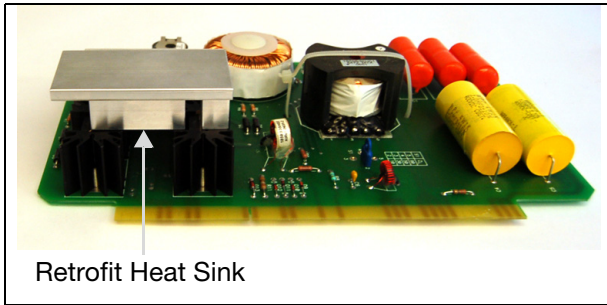
- Four heat sink blocks.
- Four 4-40 x 1/2" machine screws. (Removed from the existing heat sink assemblies in [step 4](#).)
- Four 4-40 x 7/8" machine screws.
- Thermal compound.
- Right angle screwdriver.

5. Apply a thin layer of thermal compound to the surfaces of the power transistor/heat sink assemblies that will come into contact with the retrofit heat sinks. To ensure efficient heat transfer, apply the thermal compound to both sides of the two assemblies closest to the center of the board and to the right side of the remaining two assemblies, as shown below.

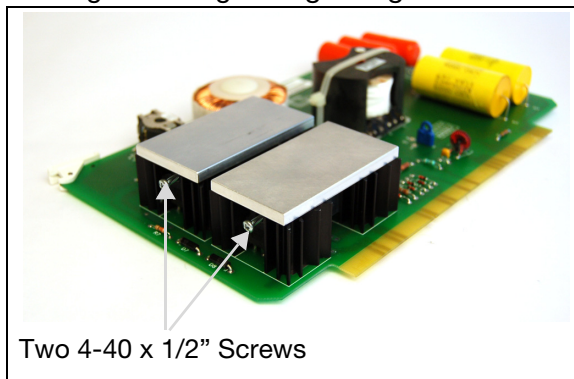


WARNING Dangerous voltages are present. Equipment damage, personal injury, and death can result if safety precautions are not followed. Use authorized utility procedures to install, test, and service the amp cards.

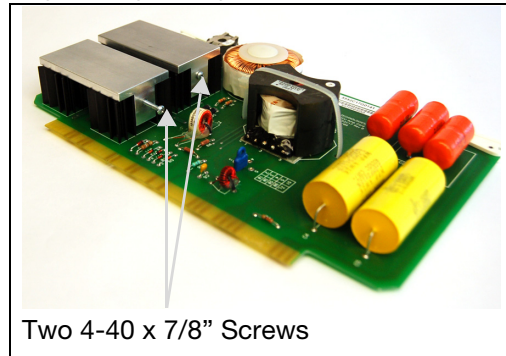
6. Position the retrofit heat sinks over the existing power transistor/heat sink assemblies and slide down into place.



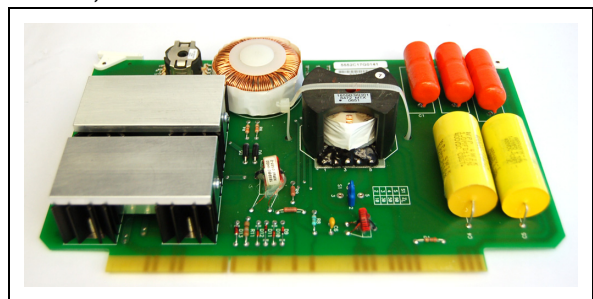
7. Insert the two 4-40 x 1/2" screws, from [step 4](#), through the left side of the heat sink assemblies and tighten using the right angle screwdriver.



8. Insert two 4-40 x 7/8" screws through the right side of the heat sink assemblies and tighten using the right angle screwdriver.



9. Insert the amp card, with the retrofit heat sinks, back into the CCU.



10. Repeat [step 3](#) through [step 9](#) for the second amp card.

11. Turn on the power to the CCU.

12. Close the door of the CCU.

DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, REPRESENTATIONS, OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THOSE SPECIFICALLY SET OUT BY ANY EXISTING CONTRACT BETWEEN THE SELLER AND BUYER. ANY SUCH CONTRACT STATES THE ENTIRE OBLIGATION OF SELLER. THE CONTENTS OF THIS INFORMATION LEAFLET SHALL NOT BECOME PART OF OR MODIFY ANY SUCH PRIOR OR EXISTING AGREEMENT.

The information, recommendations, descriptions, and safety notations are based on Cooper Power Systems experience and judgment. THIS INFORMATION SHOULD NOT BE CONSIDERED AS ALL-INCLUSIVE OR COVERING ALL CONTINGENCIES. If further information is required, Cooper Power Systems should be consulted. In no event will Cooper Power Systems be responsible to the user in contract, in tort (including negligence), strict liability or otherwise for any special, indirect, incidental, or consequential damage or loss whatsoever; or claims against the user by its customers resulting from use of information, recommendations, descriptions, or safety notations.