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Title: **MAC224 Triac Substitution**  
Bulletin #: RMX0008  
Issue Date: 6 December 2010  
Models Affected: RMX1850HD, RMX2450, ISA750, ISA800T  
Bulletin Revision: B  
Production Range: RMX 1850: 12/2001 through 04/2002;  
RMX 2450: 01/2000 through 04/2002;  
ISA 750, ISA 800T: 05/2001 through 04/2002

## Description

The MAC224 Triac (Q113 and Q213) originally used in the DC protection crowbar circuit of RMX and ISA amplifiers has been discontinued since 2001 and is no longer available. Replacing it with a BTA41 Triac, which has a different package and pin spacing, requires an adapter to fit on the circuit board.

## Instructions

### Materials required

- One new BTA41 Triac (QSC part # QD-000261-GP) per channel
- One Triac adapter (QSC part # WP-000366-00) per channel

### Preparation and installation

1. Install and solder the new BTA41 Triac on the adapter as shown in Figure 1.
2. Install and solder the Triac assembly on the channel module circuit boards as shown in Figures 2 (Q213) and 3 (Q113). Make sure it doesn't touch any adjacent parts.

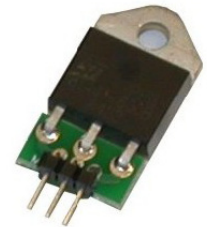


Figure 1. Triac and adapter assembly



Figure 2. New Triac installed at Q213.

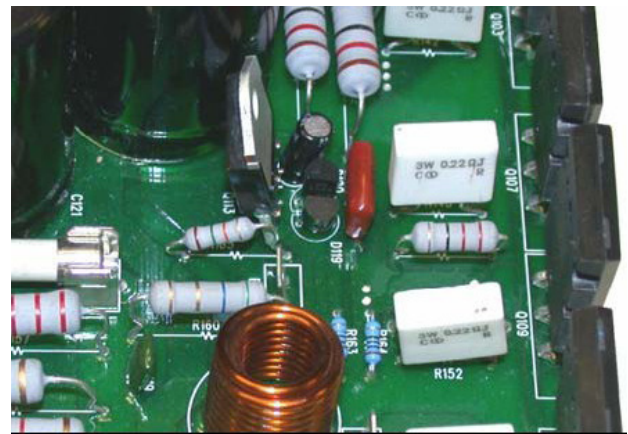


Figure 3. New Triac installed at Q113.

## Contact information

This bulletin is available for download from the Service Bulletins page in the *Tech Support* section of the QSC Audio Web site. If you need any further information regarding this service procedure, please contact QSC Technical Services at the addresses or numbers below.

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