



## Frequently Asked Questions

# 30

4 September 2006

Model	Question	Solution
TM8xxx	Reverse or high voltage damage.	We have received reports of mobile radio's suffering serious damage caused by application of either over voltage or reverse voltage. Serious damage to the radio in these situations can be prevented by ensuring that the installation is equipped with correctly rated fuses in both the positive AND NEGATIVE power wires. Fuses should be fitted as close as practicable to the battery terminals. Refer to the radio fitting instruction (MMA-00028-01) for correct fuse types. Two fuses are included in our installation kits for this very reason.
T5000	Squelch remaining open on a wide band channel.	<p>It has been noted that on recent TOP B-band radios, when calibrating the wide band squelch open and close values there would be occasions where the close value was lesser than the open value. This had the potential to result in the radio squelch remaining open when operating on a wide band channel. The resolution to this is to change R355 from a 33k ohm to a 22k ohm resistor (IPN 038-15220-10), and also change C369 from a 470pF to a 220pF capacitor (018-13220-00). The wide band squelch open and close calibration will need to be performed after making these changes.</p> <p>TOP B-band radios, after serial number <b>14284871</b>, may be affected by this issue. If a customer complains of the squelch remaining open on a wide band channel, where the radio band and serial number match the criteria above, we suggest following the above resolution procedure.</p>
TB7100	Can this be used as a repeater and a line base at the same time.	Indeed it can, please refer to TN1111 for full details.