

Technical Notification

Document number: 95-128890

Date: January 2009

Sailor RT2048 VHF

Subject:

Field replacement of RF power module U04.

Priority:

- **LOW:** This Technical Notification is issued for information purposes only, however applicable as required.

Identification:

Quite some time back the Toshiba S-AV6 RF power module originally used in the RT2048 VHF was substituted by the Mitsubishi M57710-A power module, due to the S-AV6 becoming obsolete.

It has since been found that in repair situations where the S-AV6 module is replaced with the Mitsubishi M57710-A, on some cases it is not possible to adjust the RF output power to within the specified range of 25W +0/-0.5dB, i.e. between 25W and 22.3W.

To avoid running into this a situation when replacing the RF power module of type Toshiba S-AV6 by the M57710-A, capacitor C16 on the RX/TX module 4 (625448) should be changed to a 15pF type in order to make sure that the adjustable range of the output power will be sufficient to meet the specified power output. For locating C16 pls. refer to layout of PCB 625448 on page 5-14 in the Technical Manual.

If, on the other hand having to replace a Mitsubishi M57710-A RF power module it may be assumed that replacement of C16 is not required.

When ordering a RF power module Mitsubishi M57710-A from the eShop, use the **p/n S-32.450**, which includes the capacitor required as per the above.

Important Note:

The Mitsubishi M57710-A RF power module (p/n S-32.450) may be used only if the RF power module found in the radio being repaired, is either of the Toshiba S-AV6 or Mitsubishi M57710-A type, i.e. may only be used with the previous hardware version of the RX/TX module 4, identified as 625448.

If the latest hardware version of the RX/TX module 4, identified as 62-127060 (refer to Technical Notification 95-128888) is found in the radio being repaired, the RF power module type Mitsubishi RA35H1516M must be used (eShop identification p/n S-67-127571).

Action:

No specific action is required except as stated above under "Priority".

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Thrane & Thrane
After Sales Service

Author:	Date:	Checked:	Date:	Approved:	Date:
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