

## Technical Notification

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### Sailor RT2048 VHF

#### Subject:

Change of hardware: RF Power Module  
RX/TX module 4  
Synthesizer module 3.

#### Priority:

- **LOW:** This Technical Notification is issued for information purposes only. No action required.

#### Identification:

Due to the RF Power module (U04) type Mitsubishi M57710-A is no longer available in quantities required for production a replacement module type Mitsubishi RA35H1516M has been introduced.

The introduction of this new RF power module has further required a redesign of the original RX/TX module 4 and Synthesizer module 3, subsequently leading to new identification numbers for these PC boards.

The redesigned RX/TX module 4 is identified as 60-127060 and comprises the introduction of a voltage divider consisting of R69 and R70 reducing the RF power control voltage for the RA35H1516M RF Power module to max 5.5 VDC. Pls. refer to schematic diagram 93-127060 rev. B (or later) in the Technical Manual.

The redesigned Synthesizer module 3 is identified as 60-127230 and comprises the change of transistor Q13 (2N4427) to obtain a reduction of TX Buffer output from app. 200mW to app. 60mW. This is accomplished through a shift from using the Motorola manufacture of this transistor 2N4427 to the Central Semiconductor manufacture.

Pls. refer to schematic diagram 93-127230 rev. A (or later) in the Technical Manual.

The new hardware has been gradually introduced in production over the past approx. 6 months.

**Important note:**

The RX/TX module 60-127060 and the Synthesizer Module 60-127230 can be used together only and only with the Mitsubishi RA35H1516M RF power module.

The parts are available from the eShop and identified as follows:

RX/TX module 4:	p/n S-60-127060
Synthesizer module 3:	p/n S-60-127230
RF power module RA35H1516M:	p/n S-67-127571

**Action:**

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

Thrane & Thrane  
After Sales Service

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