

SAILOR

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SAILOR VHF RADIO-TELEPHONE

Re. Instructions for Alignment of the Microphone Sensitivity of the SAILOR VHF RADIO-TELEPHONE

We have found out that the microphone sensitivity of SAILOR VHF RADIO-TELEPHONE sets should be aligned in view of the following aspects:

1. Level of background noise at the place where the set is to be installed.
2. Volume of the voice of the operator, who will normally be operating the set.

The following instructions can be given to the technician, who is taking care of the installation: In boats with much noise in the wheel-house, e.g. fishing vessels and the like, it is recommended to reduce the sensitivity by 6 dB in proportion to the standard level.

In sailing-boats, coast stations and passenger boats without background noise it is recommended to increase the sensitivity by 6 dB in proportion to the standard level.

As far as the volume of a voice is concerned, the judgment will of course always be a subjective one. Therefore, it can be recommended to let the operator, who will normally be ope-



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Bitte archivieren Sie diese Mitteilung in der Kundendienstmappe, die wir Ihnen gesandt haben.

Nous vous prions de bien vouloir classer ce document dans le dossier bleu qui vous a été envoyé à cet effet.

Sivanse archivar esta información en la cubierta de servicio que les hemos enviado a Ustedes.

De bedes venligst arkivere denne meddelelse i den tilsendte servicemappe.

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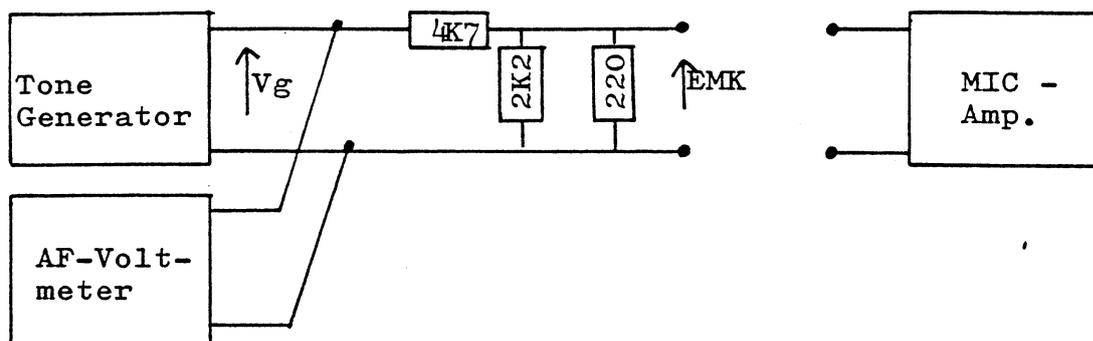
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Aalborg - Denmark

rating the set, make a call to a coast station or to another vessel with the background noise that will normally be prevailing where the set is installed, so that it can be ascertained, whether the microphone sensitivity is o.k.

Fine Adjustment Procedure:

Test Set-up:



"Standard test signal": $V_g = 0,18V$ (EMF = 7,5 mV).

Installation in noisy surroundings: $V_g = 0,4$ (EMF = 16 mV).

Installation in noiseless surroundings: $V_g = 0,1V$ (EMF = 4 mV).

Type RT143:

The required EMF value chosen in view of the above mentioned aspects is adjusted and R701 in the microphone amplifier is tuned for standard modulation $f_m = 1 \text{ kHz}$, $\Delta f = \pm 3 \text{ kHz}$.

Type RT144:

Standard level, 7,5 mV EMF has been adjusted from the factory in sets of a higher serial number than 141.700.

The required EMF value chosen in view of the above mentioned aspects is adjusted and R906 in the TX-EXCITER-UNIT is tuned through perforation in cover for standard modulation: $F_m = 1 \text{ kHz}$, $\Delta f = \pm 3 \text{ kHz}$.

The following components will be changed in type RT144 in order to make an improved fine adjustment possible:

Module	Change from	Change to
TX-EXCITER-UNIT	R905 resistor 1 Kohm	R905 resistor 1,2 Kohm
TX-EXCITER-UNIT	R906 potentiometer 1 Kohm	R906 potentiometer 470 ohm

The change has been made in sets of a higher serial number than 143500.