(By Command of the Defence Council)

CONDITIONS OF RELEASE

(Applicable to copies supplied with Ministry of Defence approval to Commonwealth and Foreign Governments)

- 1. This document contains classified UK information.
- 2. This information is disclosed only for official use by the recipient Government and (if so agreed by HM Government) such of its contractors, under seal of secrecy, as may be engaged on a defence project. Disclosure or release to any other Government, national of another ccuntry, any unauthorized person, the Press, or in any other way would be a breach of the conditions under which the document is issued.
- 3. This information will be safeguarded under rules designed to give the same standard of security as those maintained by HM Government in the UK.

REJECTOR UNIT, B47 AND B48

TECHNICAL HANDBOOK ; DATA SUMMARY

PART NUMBER

ZA 53557 - Rejector unit, TRB47 ZA 53558 - Rejector unit. TRB48

PURPOSE

the C45 transmitter.

DESCRIPTION

Both units are identical in size and appearance, and differ only in respect of their nameplates and frequency coverage (ie internal component values). Fitted in most vehicle installations using SRC42/B47 is a small sealed unit containing fixed and variable or SRC45/B48 to limit interference in the B47 receiver reactances to form a tunable filter network, and is from the C42 transmitter, or in the B48 receiver from normally inserted between the antenna tuning unit and the associated receiver input.

PHYSICAL DATA

Weight: 5.1/2 lb Width: 7.1/8 in. Depth: 6 in.

Height: 5 in.

CLIMATIC RANGE

Temperature: -40 to +55°C

Pressure: Altitude of 25,000 ft.

TRANSPORTATION DATA

Air transportable

Immersion-proof

PERFORMANCE

Attenuation: Wanted signal - not greater than 4dB Provided the

Unwanted signal - not less than 30dB

signals differ by not less than 2Mc/s

ELECTRICAL DATA

Characteristic impedance

 70Ω

Frequency range

Rejector unit, TRB47: 36-6 Mc/s

Rejector unit, TRB48: 23-38Mc/s

FOWER REQUIREMENTS

Nil.

ASSOCIATED PUBLICATIONS

Station, radio B47 - Tels G 530

Station, radio 848 - Tels G 550

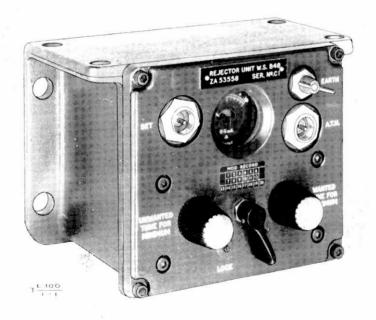


Fig 1 - General view of the B48 unit END