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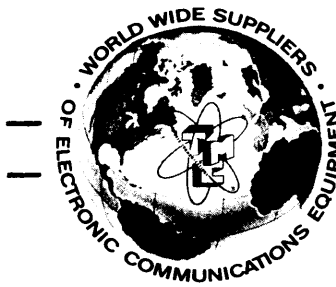
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TECHNICAL MANUAL  
for  
GENERAL PURPOSE TRANSMITTER  
MODEL SBT-1KF(6)



THE TECHNICAL MATERIEL CORPORATION  
MAMARONECK, N. Y. OTTAWA, CANADA

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C O M M U N I C A T I O N S   E N G I N E E R S

700 FENIMORE ROAD

MAMARONECK, N. Y.

## W a r r a n t y

The Technical Materiel Corporation, hereinafter referred to as TMC, warrants the equipment (except electron tubes,\*fuses, lamps, batteries and articles made of glass or other fragile or other expendable materials) purchased hereunder to be free from defect in materials and workmanship under normal use and service, when used for the purposes for which the same is designed, for a period of one year from the date of delivery F.O.B. factory. TMC further warrants that the equipment will perform in a manner equal to or better than published technical specifications as amended by any additions or corrections thereto accompanying the formal equipment offer.

TMC will replace or repair any such defective items, F.O.B. factory, which may fail within the stated warranty period, PROVIDED:

1. That any claim of defect under this warranty is made within sixty (60) days after discovery thereof and that inspection by TMC, if required, indicates the validity of such claim to TMC's satisfaction.
2. That the defect is not the result of damage incurred in shipment from or to the factory.
3. That the equipment has not been altered in any way either as to design or use whether by replacement parts not supplied or approved by TMC, or otherwise.
4. That any equipment or accessories furnished but not manufactured by TMC, or not of TMC design shall be subject only to such adjustments as TMC may obtain from the supplier thereof.

Electron tubes\*furnished by TMC, but manufactured by others, bear only the warranty given by such other manufacturers. Electron tube warranty claims should be made directly to the manufacturer of such tubes.

TMC's obligation under this warranty is limited to the repair or replacement of defective parts with the exceptions noted above.

At TMC's option any defective part or equipment which fails within the warranty period shall be returned to TMC's factory for inspection, properly packed with shipping charges prepaid. No parts or equipment shall be returned to TMC, unless a return authorization is issued by TMC.

No warranties, express or implied, other than those specifically set forth herein shall be applicable to any equipment manufactured or furnished by TMC and the foregoing warranty shall constitute the Buyers sole right and remedy. In no event does TMC assume any liability for consequential damages, or for loss, damage or expense directly or indirectly arising from the use of TMC Products, or any inability to use them either separately or in combination with other equipment or materials or from any other cause.

\*Electron tubes also include semi-conductor devices.

### *PROCEDURE FOR RETURN OF MATERIAL OR EQUIPMENT*

Should it be necessary to return equipment or material for repair or replacement, whether within warranty or otherwise, a return authorization must be obtained from TMC prior to shipment. The request for return authorization should include the following information:

1. Model Number of Equipment.
2. Serial Number of Equipment.
3. TMC Part Number.
4. Nature of defect or cause of failure.
5. The contract or purchase order under which equipment was delivered.

### *PROCEDURE FOR ORDERING REPLACEMENT PARTS*

When ordering replacement parts, the following information must be included in the order as applicable:

1. Quantity Required.
2. TMC Part Number.
3. Equipment in which used by TMC or Military Model Number.
4. Brief Description of the Item.
5. The *Crystal Frequency* if the order includes crystals.

### *PROCEDURE IN THE EVENT OF DAMAGE INCURRED IN SHIPMENT*

TMC's Warranty specifically excludes damage incurred in shipment to or from the factory. In the event equipment is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved and not with TMC.

All correspondence pertaining to Warranty Claims, return, repair, or replacement and all material or equipment returned for repair or replacement, within Warranty or otherwise, should be addressed as follows:

THE TECHNICAL MATERIEL CORPORATION  
Engineering Services Department  
700 Fenimore Road  
Mamaroneck, New York



## FOREWORD

The SBT-1KF6 comprises the following modular manual changes:

SBT-1K(F) Technical Manual with SBT-1KF6 Addendum(provided.)

PAL-1K(A) Technical Manual with PAL-1K(B3) Addendum(provided.)

TIS-3A Technical Manual with TIS-3D Addendum(provided.)

The addendums necessary to change General Purpose Transmitter Model SBT-1KF5 to General Purpose Transmitter Model SBT-1KF6 are attached and should be incorporated in the beginning of each appropriate Modular Unit. Any addendums used in these manuals for Model SBT-1KF5 should be removed and disregarded.

GENERAL PURPOSE TRANSMITTER

MODEL SBT-1K(F)6

General Purpose Transmitter, Model SBT-1K(F)6 is similar to General Purpose Transmitter SBT-1K(F) with the exception of the modifications listed below.

When the following information is incorporated into text, the SBT-1K(F) instruction manual (IN-273/F) will apply as written.

1. As indicated below, some of the modular units employed in the SBT-1KF have been replaced with the latest models available. All reference to corresponding model numbers should be changed accordingly.

MODULAR UNITS USED IN SBT-1KF	NEW MODELS FOR SBT-1KF5
Antenna Tuning System Model ATS-2	ATS-2A
Frequency Amplifier Model CHG-2A	CHG-2B
Tone Intelligence Unit Model TIS-3	TIS-3D
Linear Power Amplifier Model PAL-1KA	PAL-1KB3
Frequency Standard Model CSS-1B	CSS-1C

2. This transmitter has been modified by the substitution of solid state high voltage B+ rectifiers in PS-5. Change all references to PS-5 to read PS-5B. For detailed description and parts list see PAL-1KB3 Instruction Manual.

3. All references to PS-4 should read PS-4B1. The additional relay circuitry in the PS-4B1 unit allows for remote CW keying and PTT operation. During periods of receiving this circuitry provides controlled bias cut-off of the PA stages in the associated transmitting equipment, and un-keys a section of the associated exciter preventing any signal from being emitted thus improving inherent transient noise. During periods of transmitting the above provisions are reversed (see PAL-1KB 3 addendum. )

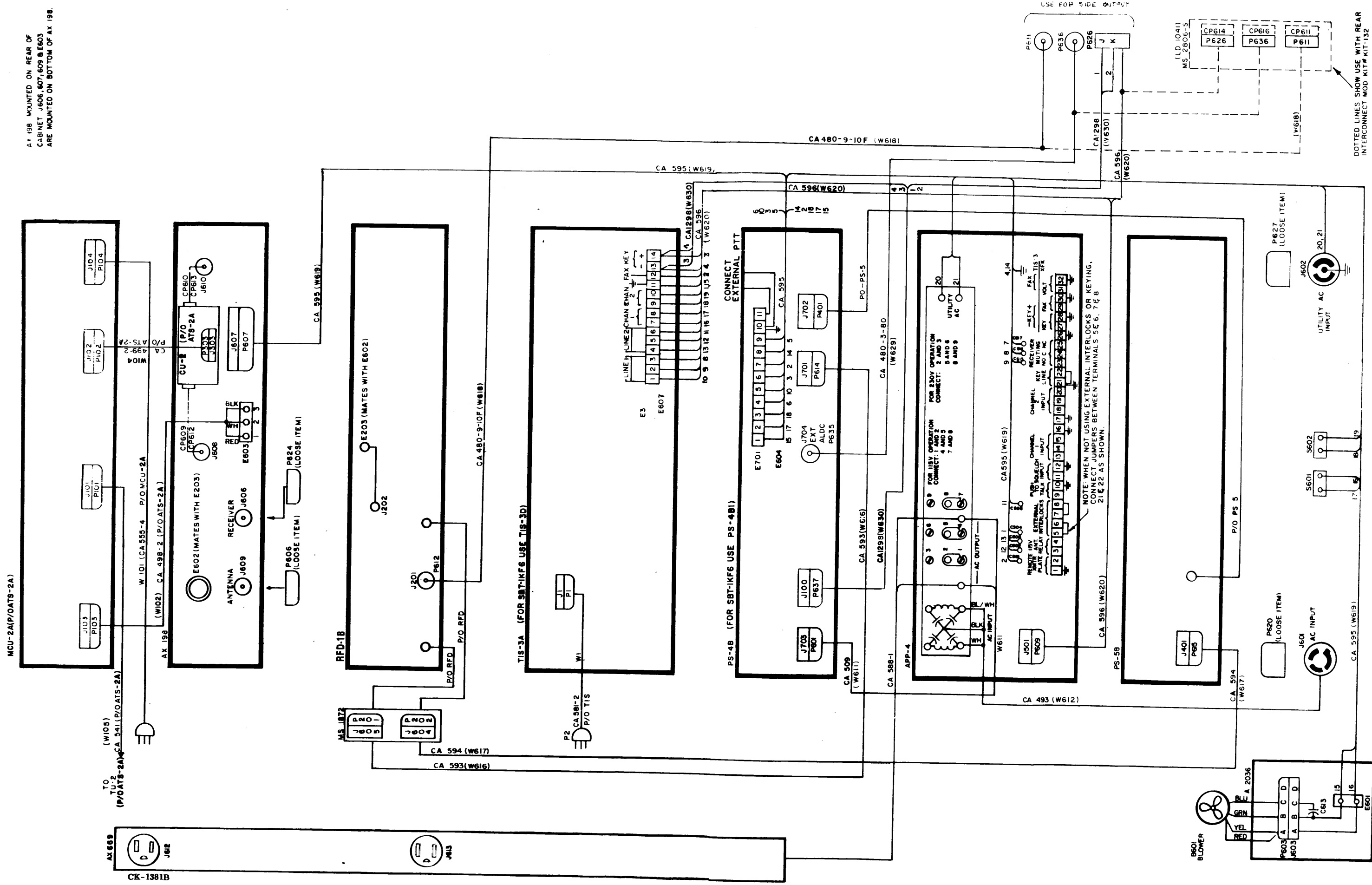
4. Pages 2-18/2-19 and 2-20/2-21 (figure 2-7 of the manual should be deleted and replaced by figure 2-7 provided with this addendum.

5. All references to RAK 11B and RAK 17B should be changed to read RAK 11B2 and RAK 17B2 respectfully. For parts list and discription see Appendix for SBT-1K(F)6.



THE TECHNICAL MATERIAL CORP.  
MAMARONECK, N. Y. YORK  
MODEL SBT-1KF6, SBT-1KF6 CK13 #1-B

AX 198 MOUNTED ON REAR OF CABINET J606, 607, 609 & E603 ARE MOUNTED ON BOTTOM OF AX 198



DOTTED LINES SHOW USE WITH REAR INTERCONNECT MOD KIT# KIT-132