

FIELD SERVICE NOTE

F/S/N/ Number 80316

REPAIR AND RECALIBRATION PRODECURE FOR 1 MEGACYCLE STANDARDS

DISCUSSION:

Some of the 1 megacycle standards, TMC Part No. NR-105 or NF-109, used in Model AN/FRT-39, AN/FRT-40, AN/FRT-62, AN/FRT-70, AN/FRT-74 series transmitters (specifically in the O715/URA-30 frequency standards) and NF-109-2 used in TMC model DDR-5, AN/FRR-60(v), and the AN/FRR-72/73/74 series receivers, due to normal aging, are approaching or have passed the limits of their trim range and can no longer be set on exactly 1.0 megahertz. Under normal conditions of operation, the aging rate is such as to remain well within the trim range during and beyond the one year warranty period. Experience has shown that the trim range is exceeded only after five to six years of operation. This means, therefore, that at the time the limits of the trim range are reached, the standard is a well-aged unit with a stability approaching 1 part in 1,000,000,000 per day and therefore represents a dollar value far in excess of its initial cost. These standards should not therefore be discarded or subjected to mistreatment upon reaching the limits of their trim range since they can be factory re-padded and recalibrated at nominal cost.

Accordingly a fixed price of \$210.00 has been established for factory re-padding and recalibration of the NF-105 and NF-109-2 standards which have drifted out of their trim range. In addition, a fixed price of \$430.00 is hereby established for factory overhaul of these standards including re-padding and calibration should this be required. Failures within the warranty period will continue to be handled under the terms of the TMC standard warranty.

PROCEDURE:

In the event it is desired to return these standards for re-padding and recalibration or for repair and recalibration, the following procedure should be followed:

- a. A purchase order in the amount of \$210.00 for factory re-padding and recalibration or in the amount of \$430.00 for factory overhauling should be forwarded to:

THE TECHNICAL MATERIEL CORPORATION

700 Fenimore Road
Mamaroneck, New York 10543
Attn: Sales Department

- b. Upon receipt of the purchase order, a Return Authorization Form will be issued. This form must be secured to the *outside* of the shipping container when returning the material. *No material should be returned without a return authorization.* TMC will assume no liability for material so returned.

- c. All material returned should be forwarded, transportation charges pre-paid to:

THE TECHNICAL MATERIEL CORPORATION

700 Fenimore Road
Mamaroneck, New York 10543

- d. Return transportation charges for repaired units will be borne by TMC.

THE TECHNICAL MATERIEL CORPORATION

700 FENIMORE ROAD, MAMARONECK, NEW YORK 10543 U.S.A.

CABLE: TEPEI

TEL.: 914-698-4800

TWX: 710-566-1100

TLX: 137-358

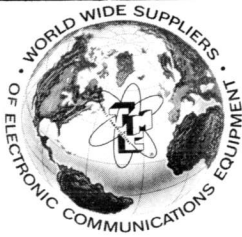
TMC (CANADA) LIMITED

TMC INTERNATIONAL

RR NO. 5, OTTAWA, K1G 3N3, ONTARIO, CANADA

TEL.: 613-521-2050

TLX: 053-4146



FIELD SERVICE NOTE

F/S/N/ Number 80275

SOLID STATE POWER SUPPLIES

The Technical Materiel Corporation offers solid state power supplies for its complete line of transmitters.

The solid state power supplies that are offered for the AN/FRT-39 series of transmitters (GPT-10K) and AN/FRT-40 series of transmitters (GPT-40K) are in the form of either a complete factory assembled plug-in drawer or in the field modification kit form to modify existing vacuum tube drawers. Kits for the 10 and 40 KW transmitters have been designed for rapid installation making maximum use of existing drawer hardware.

The solid state power supplies for the AN/URT-17, AN/URT-19V, AN/FRT 53, 55, 56, 57, 70 as well as the rest of the SBT-1K and GPT-350 series of transmitters are offered as plug-in direct replacements for vacuum tube rectifiers.

The following chart provides guidance in ordering the new solid state power supplies.

Equipment	Nomenclature	Power Supply Model		Remarks
		Or	Kit Number	
GPT-40K Series	AN/FRT-54	HVRB-2	or	Replaces AP-105
	AN/FRT-40	Kit 449		
GPT-10K Series	AN/FRT-39	HVRC-2	or	Replaces AX-103
	AN/FRT-52	Kit 450		
SBT-1K Series	AN/URT-19	Kit 261		Plug-in Rectifiers
	AN/FRT-54	Kit 261		
	AN/FRT-56	Kit 261		
	AN/FRT-57	Kit 261		
	AN/FRT-70	Kit 261		
GPT-750 Series	AN/URT-17	Kit 313		Plug-in
	AN/FRT-55	Kit 313		
GPT-350/SBT-350 Series		Kit 232B		Plug-in Rectifiers

Installation of the direct replacement drawer in the 10 and 40 kilowatt transmitters is accomplished in a matter of minutes and no "baking" time is required. Installation of the Kit in the 10 kilowatt transmitter requires approximately 3 man hours. Installation of the Kit in the 40 kilowatt transmitter requires approximately 7 man hours.

The plug-in rectifiers in the GPT-350/SBT-350 Series, SBT-1K Series and the GPT-750 Series are direct replacements for the vacuum tube rectifiers used and are easily installed.

All of the solid state rectifiers offered have been designed and engineered for each application, taking into account the voltage and current conditions encountered during all modes of operations.

All solid state rectifiers carry a 5 year warranty, as long as the units are not tampered with nor operated beyond their rated capacity.

Contact the Sales Department, The Technical Materiel Corporation, 700 Fenimore Road, Mamaroneck, New York 10543, for price and delivery information.

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700 FENIMORE ROAD, MAMARONECK, NEW YORK 10543 U.S.A.

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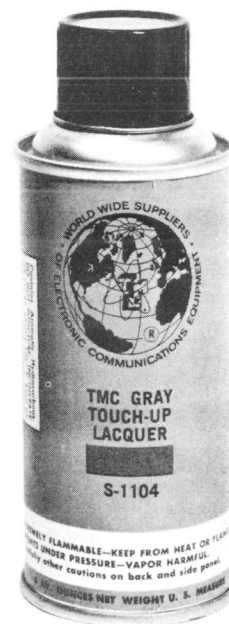
F/S/N/ Number 80274

TOUCH UP LACQUER FOR TMC EQUIPMENT

Side Panels



Front Panels



Touch up lacquer in TMC blue and TMC gray are available in 6 ounce pressurized cans.

ORDERING INFORMATION

TMC Gray Touch-Up Lacquer
TMC Blue Touch-Up Lacquer

TMC Part Number

S-1104
S-1103

Contact the Sales Department
The Technical Materiel Corporation, 700 Fenimore Road, Mamaroneck, New York 10543
for price and delivery information.

THE TECHNICAL MATERIEL CORPORATION