

DATE 6/14/54
SH. 1 OF 1
COMPILED BY
G.T.O.

TMC SPECIFICATION NO. S-213

TITLE: Modification of the Model FFR-1 Receiver

JOB

APPROVED

A. PURPOSE

The purpose of this specification is to describe a modification procedure in order to lower the audio distortion of the equipment.

B. COMPONENTS REQUIRED

<u>SYM.</u>	<u>DESCRIPTION</u>	<u>TMC PART NUMBER</u>
R-126	RESISTOR, fixed: composition, 240 ohms <u>+5%</u> , 2 watts.	RC42GF241J

C. WIRING PROCEDURE

1. Remove R-126, RESISTOR, Part RC20GF511J.
2. Replace with R-126, RESISTOR, Part RC42GF241J.
3. Remove R-127, RESISTOR, Part RW-109-26.
4. Remove (red or pink colored) lead from R-127 and connect this lead to pin 6 (screen) of V105.

D. TEST PROCEDURE

The above modification permits the cacuum tube V105 to operate over the linear portion of its plate-voltage-plate current characteristic curve. Distortion at two watts output shall not exceed 10 percent, and shall be considerably less at lower outputs. The distortion should be approximately 2 percent when measured at 400 cycles at 0 dbm level.