HARRIS
COMMUNICATIONS AND
INFORMATION HANDLING

SERVICE BULLETIN
MAINTENANCE AND MODIFICATION DATA
Broadcast Products Division

AM-089-KDL

Equipment: MW-5 Transmitter

Bulletin No. September 8, 1975

Date

Please make the following changes immediately:

1. **DISSIPATION LIMITER:**

   Change R30 on PDM overload and feedback board 1A1A2 from 47K to 39K, 1/2 watt, 5%. Harris part number is 540-0087-000. False dissipation limiter operation is prevented by this change.

2. **OSCILLATOR:**

   Change R25 on oscillator/amp board 1A2A1 from 1.2K to 1.8K, 1/2 watt, 5%. Harris part number is 540-0055-000. This bias change on Q4 results in less heating of Q4.

   NOTE: It is necessary to readjust R20 on the same board after this change has been made. Adjust R20 to maximum clockwise.

3. **MODULATOR OVERLOAD:**

   Be sure to disable primary power. Open the AC power and relay panel A4 and locate recycle board 1A4A1. Change CR1, a 1N5333 3.3-volt 5-watt zener, to a 1N5335 3.9-volt 5-watt type. Harris part number is 386-0375-000. This change prevents false trips of the modulator overload circuit during the application of high voltage with full-modulation audio input present.

   The parts required for these modifications are available from Harris Broadcast Products Division, Service Parts Department. These are not "no-charge" items.

4. **REMOTE CONTROL:**

   Some remote control systems require more than a 1-volt nominal sample for metering indication. Customers requiring greater output for remote indication of plate voltage and current should contact Radio Service for modification information, available on request.

5. **INSTRUCTION BOOK:**

   On page 2-11 of the instruction book, the last sentence of the sixth paragraph begins: "An increase in RF output power...". Change it to read: "A decrease in RF output power...".

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110-0701-0610

Harris Service Bulletins AM-085-JFR, AM-080-JFR, and AM-077-JFR should be in your files. These bulletins are available free of charge from Radio Service upon request.

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