



# SERVICE BULLETIN

Equipment: MW-5 AM Transmitter

Bulletin No. AM-091-KDL

Date 9/25/75

## "REMOTE CONTROL MODIFICATION INFORMATION"

The modification described below allows greater DC output from plate voltage and current sensors for remote control systems.

### PLATE CURRENT SENSOR MODIFICATION:

Change R5 on the Left meter panel 1A7 (1A7R5) from 15K to 4.7K, 1/2 watt, 5%. Harris Part Number is 540-0065-000; Price is 27¢. After this modification, it may be necessary to re-calibrate the remote PA plate current meter on the Left Meter panel. Adjust the Calibration control (1A7R4) and the Tracking control (1A7R1) until the isolated panel PA plate current meter and the remote meter on the Left meter panel agree throughout their normal range of operation.

### PLATE VOLTAGE SENSOR MODIFICATION:

All changes are made on the flag and overload board, 1A2A2. Refer to the attached drawing for specifics.

1) Change resistors as follows:

<u>RESISTOR</u>	<u>OLD</u>	<u>NEW</u>	<u>PART NUMBER</u>	<u>PRICE</u>
R20, R21	10M	1M 1/4W 5%	540-0984-000	\$ .28 ea.
R23	10M	5.1M 1/4W 5%	540-1001-000	.28 ea.
R22	10M	1M 1/4W POT	540-0888-000	5.00 ea.
R25	10K	1K 1/4W 5%	540-0912-000	.28 ea.

2) Add capacitors as shown on the drawing: C10, 4.7 uf/15V from the wiper of R22 (changed per above) to common; C11, 22 uf/15V from Pin 11 of U1 to common. These capacitors improve circuit stability and minimize random remote meter fluctuations. Try to keep lead lengths short and neatly dressed.

<u>CAPACITOR</u>	<u>VALUE</u>	<u>PART NUMBER</u>	<u>PRICE</u>
C10	4.7 uf/15V	526-0040-000	\$ .90 ea.
C11	22 uf/15V	526-0313-000	1.25 ea.

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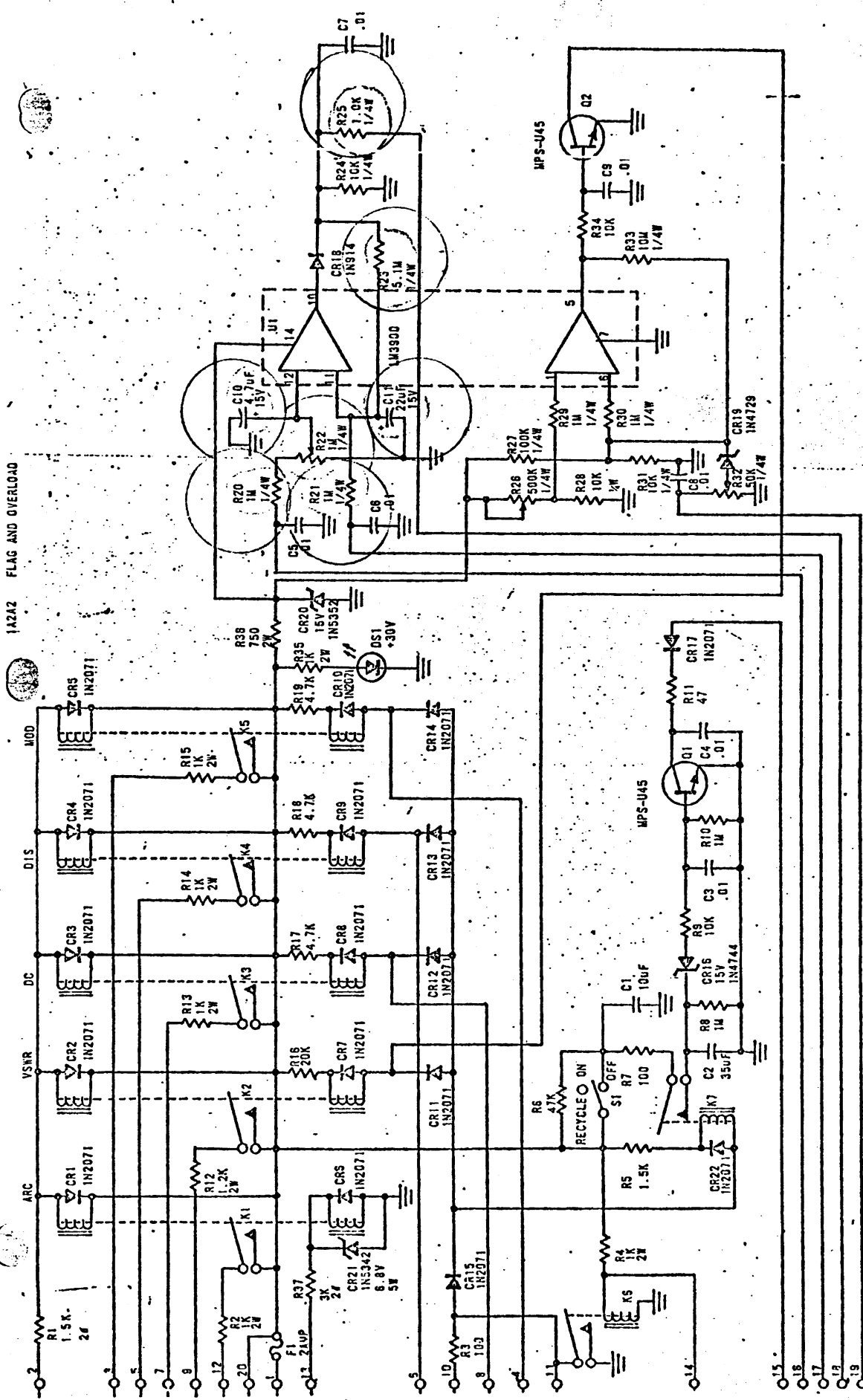
R22 should be initially set to minimum and increased until the proper sensor voltage (sufficient for driving the remote control system) is obtained.

Please mark your instruction book schematic diagrams and parts lists to reflect these changes. All changes are circled in RED on the attached drawing. A copy of the revised 1A2A2 flag and overload board schematic to scale, is also enclosed for you to tape into your instruction book if you so desire.

Parts prices are subject to change without notice.

Attach: Drawings (2)

1A2A2 FLAG AND OVERLOAD



FLAME FLAG AND OVERLOAD

