

**HARRIS**



COMMUNICATIONS AND  
INFORMATION HANDLING

# SERVICE BULLETIN

## MAINTENANCE AND MODIFICATION DATA

Broadcast Products Division

**Equipment:** MW-5/5A

**Bulletin No.** AM-134-TLH

**Date** September, 1979

**SUBJECT:** Modifying the connections between 1A3 T1 and 1A3 C1 at the front and back of 1A3 C1 in the PA grid circuit.

It has come to our attention that the connection at the front of 1A3 C1 can become loose and cause a gradual loss of PA grid drive. Also, this connection can become overheated and discolored when it is loose.

Check to see how this connection is made in your transmitter. If this connection is made as in photograph No. 1, it should be changed.

**TOOLS REQUIRED:**

stubby phillips screwdriver

5/16" open end wrench

5/64" allen wrench (if you choose to remove the front panel of the MW-5)

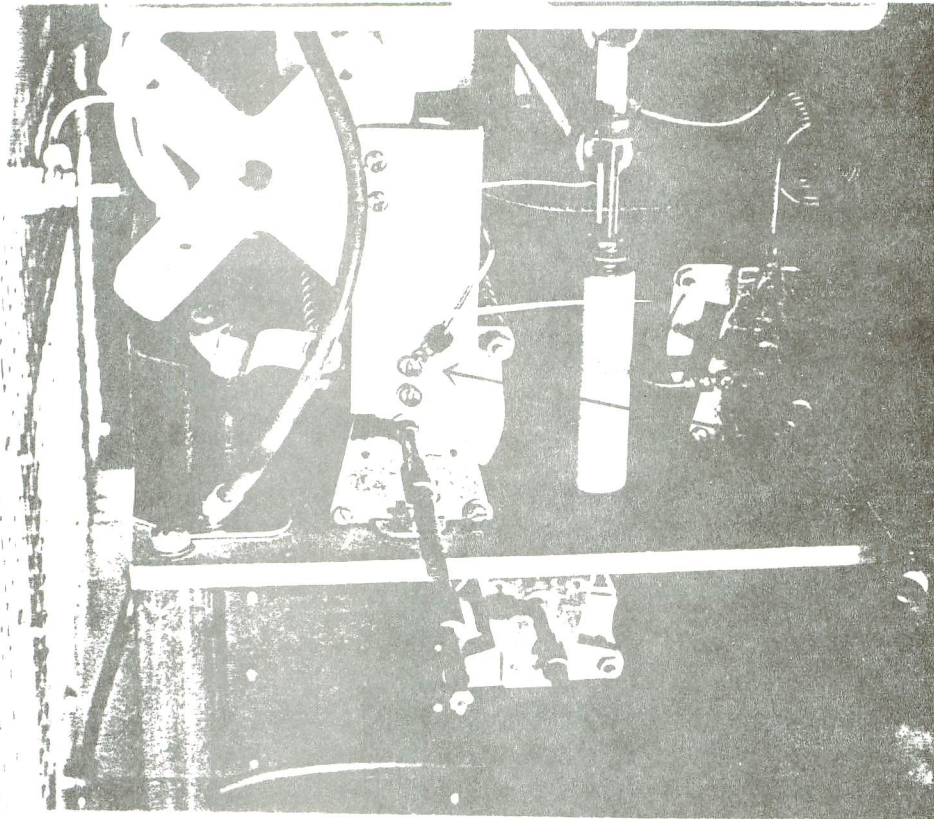
½" wrench (if you choose to remove the front panel of the MW-5A)

1/16" allen wrench (if you choose to remove the front panel of the MW-5A)

**MODIFICATION PROCEDURE:**

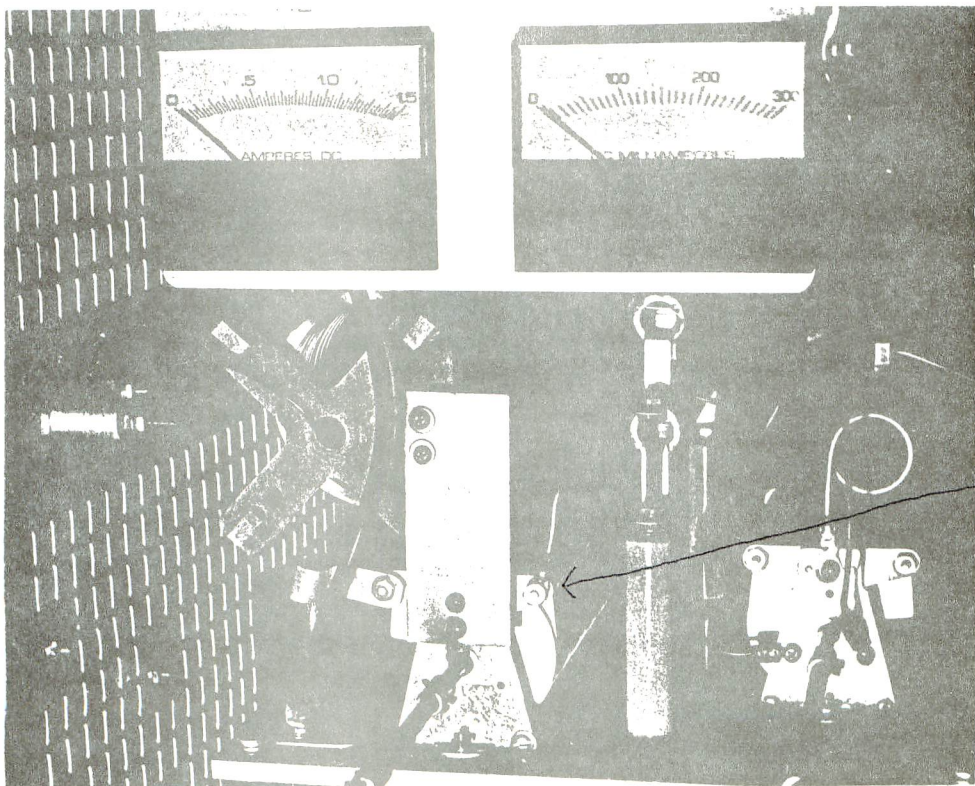
As difficult as it may be, this change can be made from the back of the transmitter. However, if you prefer, the front panel can be removed. It will be necessary to remove the "Grid Tune" knob. It is not necessary to remove the bushings for the "Grid Tune", "Neut", and "Grid Efficiency" tuning shafts. On the MW-5A, the "Grid Tune" gear reduction will have to be detached from the front panel by removing the ½" nut and 3 phillips head screws.

Follow the procedure listed with the photographs to change both connections.



Photograph No. 1

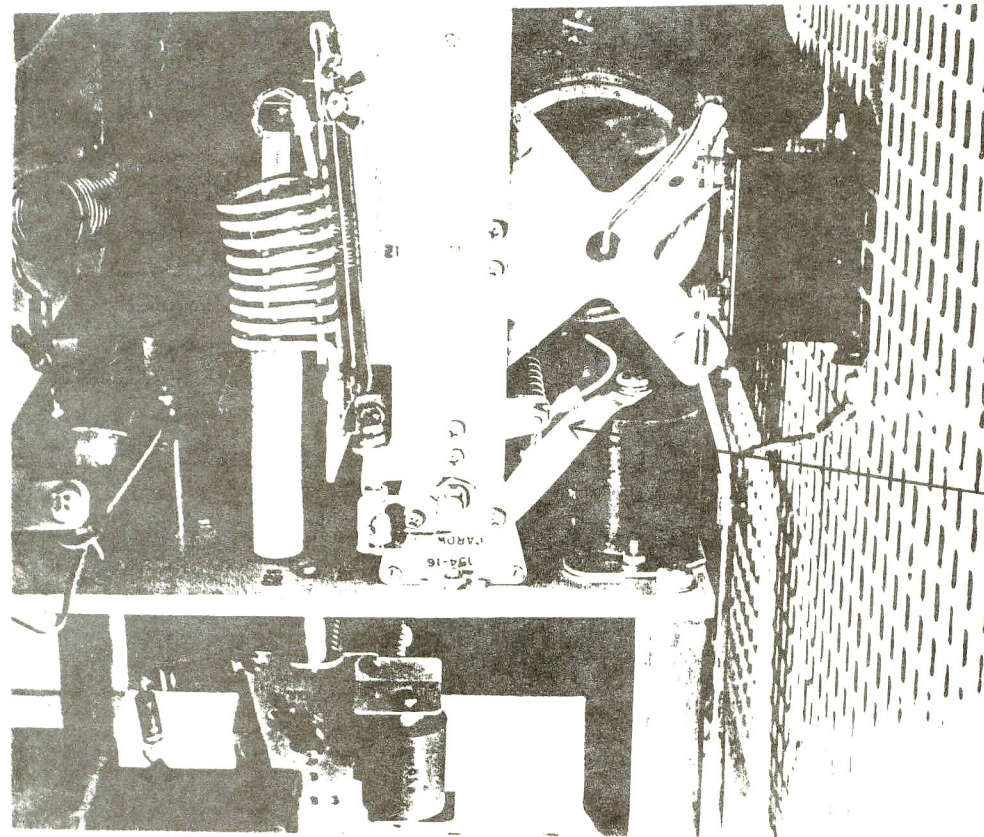
Remove the lug from the rotor connection of 1A3 C1. The front panel has been removed.



Photograph No. 2

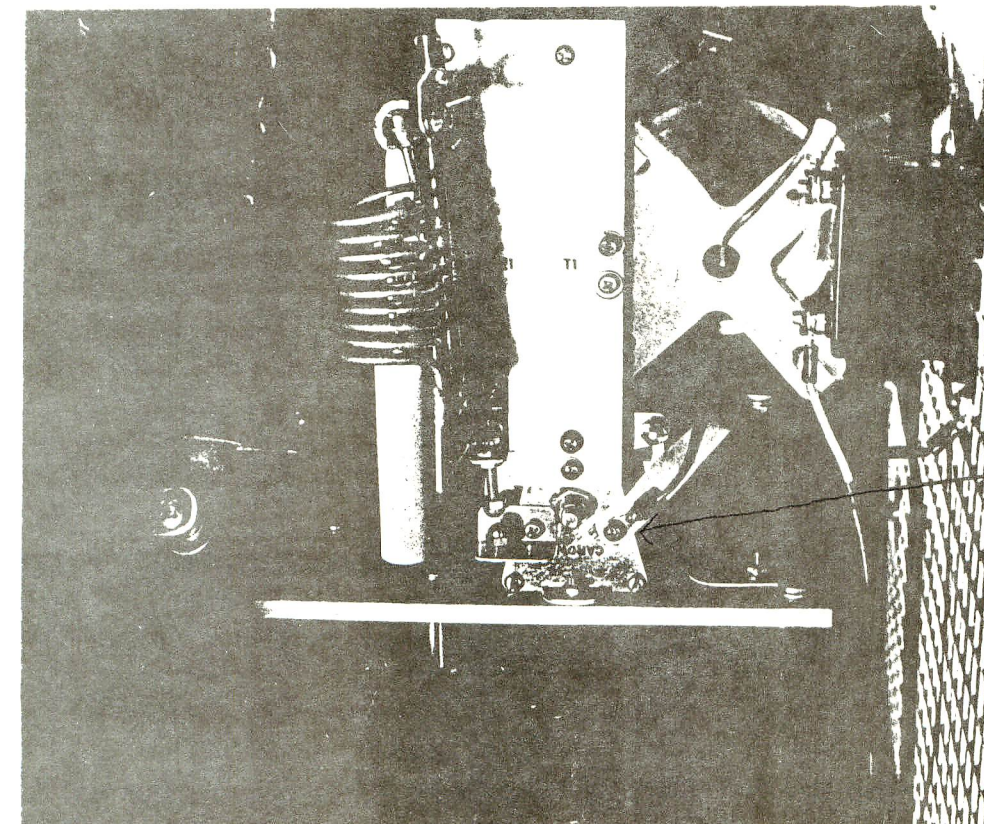
Attach the lug at the stator connection.





Photograph No. 3

On the back side of  
1A3 C1, remove the lug  
from the stator connection.



Photograph No. 4

Install the lug at  
the rotor connection.