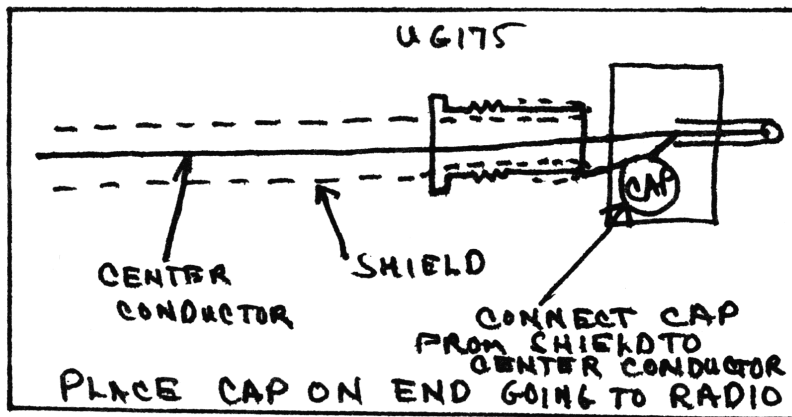


LINEAR AMPS PROBLEMS AND SOLUTION

- ① LINEAR WILL NOT UN-KEY. SOLID STATE LINEARS WILL STAY KEYED (METER LIGHT STAYS ON AFTER THE MICROPHONE BUTTON IS RELEASED.)

SOLUTION: ADD 6 INCHES OF COAX TO 3 FEET OF COAX TO THE ANTENNA LINE. OR,
PLACE 150 PF CAP 1KV IN JUMPER FROM LINEAR TO RADIO.
SEE DRAWING.



- ② DISTORTION (POOR AUDIO OR MODULATION) IN AM OPERATION. OVER DRIVING.

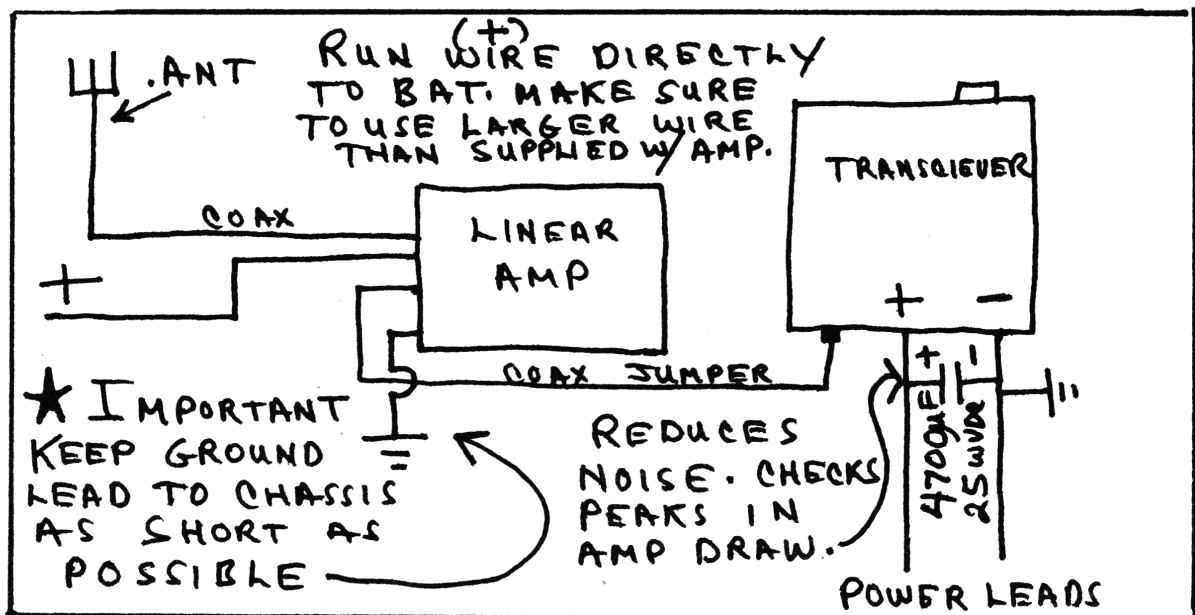
SOLUTION: DO NOT DRIVE LINEAR WITH OVER 7.5 WATTS OR BETTER YET USE 4 WATTS DO NOT EXCEED MODULATION OF 100%.

- ③ HIGH SWR FROM LINEAR TO ANTENNA.

SOLUTION: MAKE SURE ANTENNA WILL TAKE POWER. CHECK COAX FOR POOR CONNECTIONS.
NOTE! IN CASES WITH K40 RAISE STINGER $\frac{3}{8}$ " OFF BOTTOM OF LOAD.

- ④ TO INCREASE POWER OF LINEAR. (SEE NEXT PAGE.)

LINEAR AMPS PROBLEMS AND SOLUTION (CONTINUED)



5.

NOTE THE 4700µF CAPACITOR IN THE POWER LEAD OF THE TRANSCEIVER.

THIS CAPACITOR CAN BE SMALLER.

2000µF IS W/DC. WILL ALSO BE SUFFICIENT.

DUE TO THE INTERNAL RESISTANCE OF SOME MOBILE BATTERIES (ESPECIALLY OLD BATTERIES) THERE MAY BE SOME CURRENT LOSS WHEN PEAKS OF MODULATION ARE INCREASED. THIS CAPACITOR WILL HELP KEEP THIS MORE CONSTANT. IN SOME CASES IT WILL ACTUALLY HELP MODULATION.

IN ANY CASE IT WILL HELP THE NOISE SO YOU MIGHT GIVE IT A TRY.