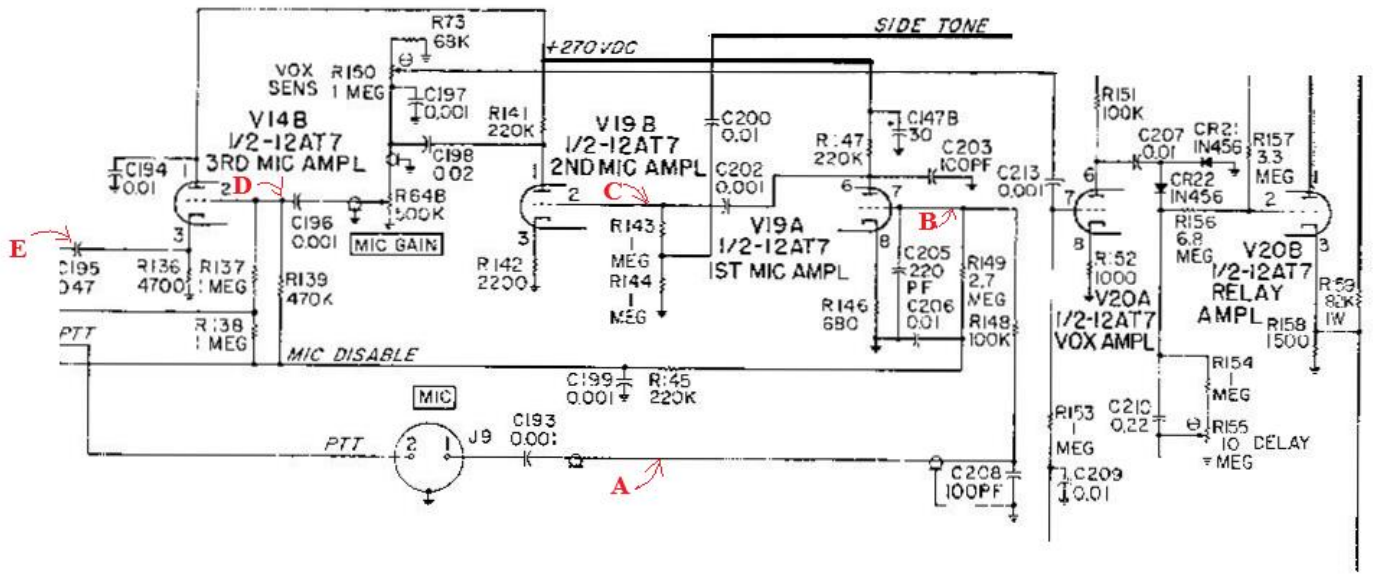
MICROPHONE AMPLIFIER SIGNAL TRACE

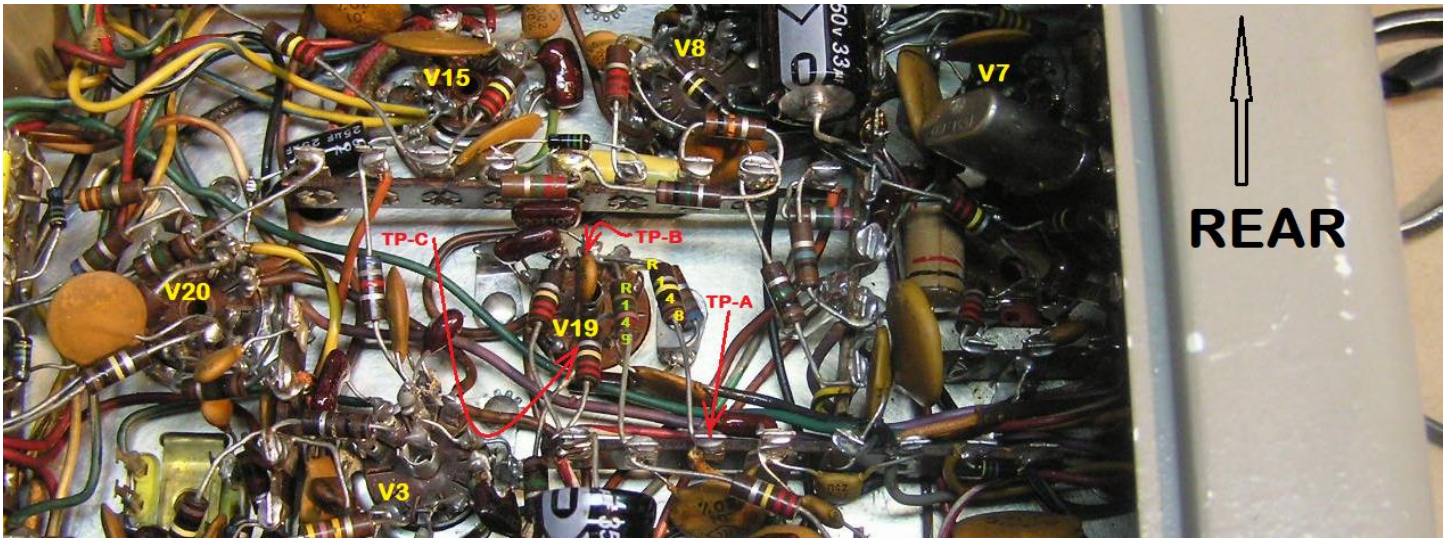


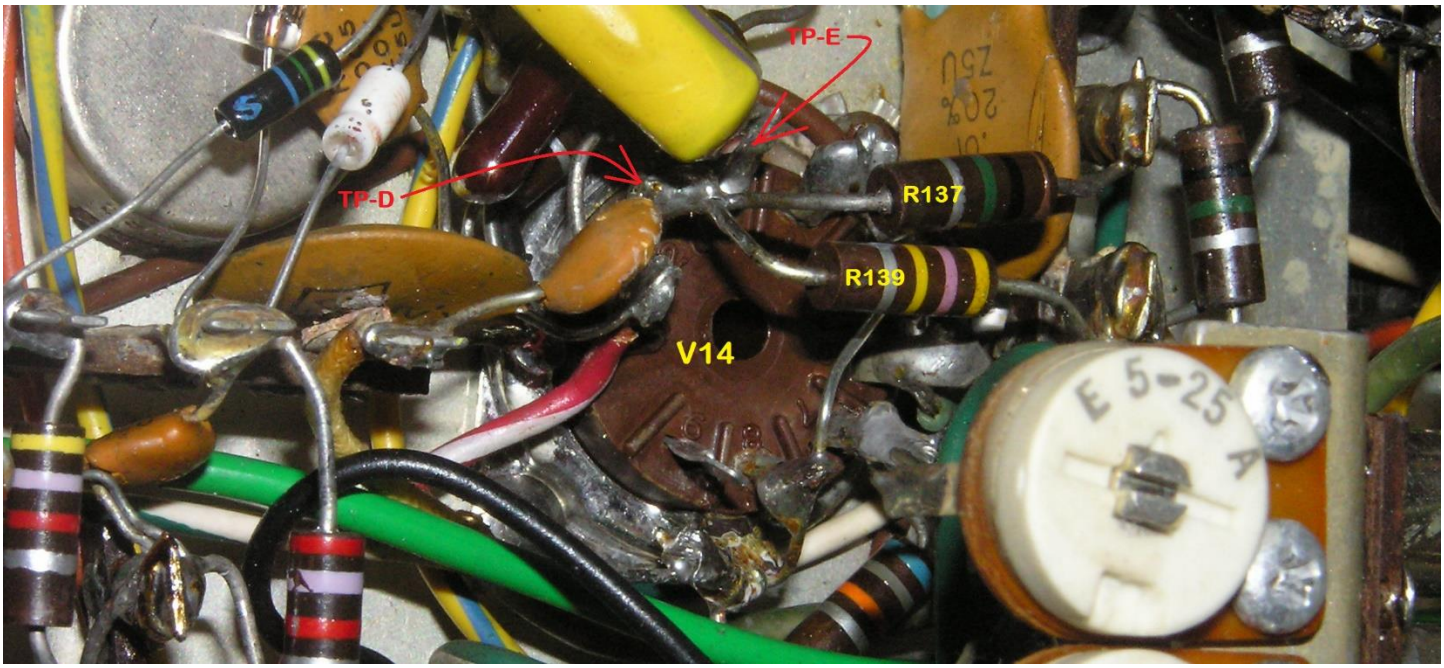
The mic amplifier is composed of one half of V14 and V19. V19 is operational at all time in all modes. V14B is biased on only when the transmitter is keyed in one of the SSB modes. For the following test you will need to inject a 1KHz signal from a **600 ohm** source, into pin 1 of the mic jack. To measure the signal at test point E you will need to apply a ground to pin 2 of the mic jack.

TEST PROCEEDURE
Remove top and bottom covers.
Pull the 2nd TX mixer V11.
Set controls: MIC GAIN max clockwise; BAND SELECTOR to 3.5; FUNCTION to LSB;
Connect power supply cable and turn the operation switch to the MOX position and allow rig to warm up.

Connect scope to test point A. Inject 1KHz signal into pin 1 of the MIC jack. Adjust the audio signal generator for a 20mvpp signal at test point A.

Move the scope probe to test point B. You should have 20mvpp.
Move the scope probe to test point C. You should have 500mvpp.
Move the scope probe to test point D. You should have 1.5vpp.
Move the scope probe to test point E. Apply a ground to pin 2 of the MIC jack. You should have >.75vpp.


V8
V15
V7
REAR
TP-C
TP-B
R
1
4
8
R
1
4
9
TP-A
V20
V19
V3


TP-E
TP-D
R137
R139
V14
E 5-25 A