

INSTRUCTIONS FOR CONVERTING MANLEY REFERENCE SERIES
MICROPHONES FROM 6072A TUBE TO 5751/12AX7

- 1- Disconnect power and signal cables.
- 2- Remove 3 Phillips screws from microphone base.
- 3- Grasp the base of the microphone with one hand and the body with the other hand and gently pull, in order to separate the electronics and capsule assembly from the body/shock mount.
- 4- Cover the capsule with a small box in order to prevent damage. DO NOT TOUCH THE DIAPHRAGMS ON THE CAPSULE.
- 5- Referring to the schematic and PC board layout, replace the 3 resistors shown and add the other two components. The schematic shown is for the reference cardioid microphone; the changes for the reference gold microphone are the same.
- 6- Replace the 26K2 with 56K2 1/2 W resistor that connects to pin 1 of tube.
- 7- Replace the 100K that connect to pin 6 of tube with 221K 1/2W.
- 8- Replace 681R in feedback loop with 562R 1/2 W.
- 9- Install feedback network to feedback winding of transformer. Make sure not to mess with output winding which has the two 75R resistors (resistors present only in newer PC board). Take network and connect feedback sides together with network.
- 10- Replace the 6072A tube with a low noise grade 5751 or 12AX7
- 11- Re install electronics/capsule assemble into the body and test for proper operation.