

# EXTERNAL CONNECTIONS

## DUKANE MODEL 3A80 INPUT TRANSFORMER

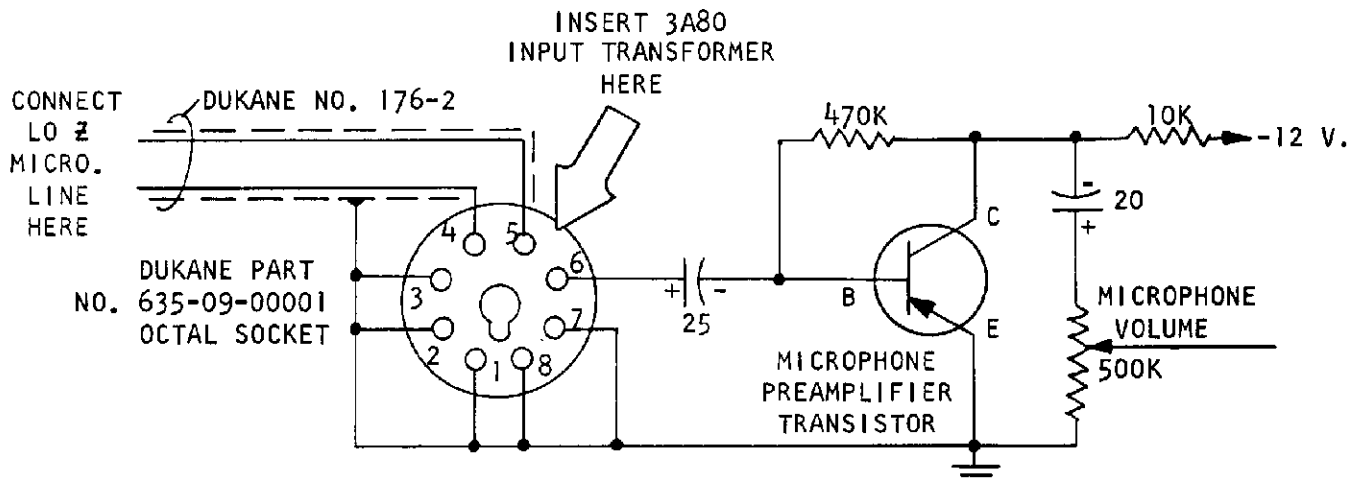
### INSTALLATION NOTES -

The DuKane Model 3A80 Input Transformer is designed for use with transistorized microphone preamplifiers which are, in turn, designed for plug-in style input transformers. The 3A80 Input Transformer matches the input impedance (1000 ohms) of the microphone preamplifier transistor with a 250-ohm balanced microphone line. The 3A80 Input Transformer is encased in a mu-metal shield and terminated with a standard octal type plug.

To install a 3A80 Input Transformer into socket on DuKane transistorized preamplifiers, first pull out jumpers which are plugged into socket. Then plug in 3A80 transformer.

These transformers are designed to be rotated to a position of maximum rejection of hum voltage. Adjust as follows:

1. Plug the transformer into the amplifier chassis socket.
2. Mark a pencil line that will line up the transformer case and the amplifier chassis.
3. With the system in operation, carefully rotate the transformer case to the position of lowest hum level. Don't rotate more than 180 degrees in either direction from the starting position, however.
4. If the transformer is to be removed and installed into another preamplifier socket, FIRST rotate the transformer back to its original position indicated by the pencil lines made in step 2 above.



EXTERNAL CONNECTIONS FOR 3A80 INPUT TRANSFORMER SOCKET

Make external connections to transformer socket, DuKane Part No. 635-09-00001, as follows (see diagram above):

1. Connect shielded two-conductor microphone line (DuKane Cable No. 176-2) to terminals 4 and 5; connect shield to terminal 3.
2. Connect terminals 1, 2, 3, 7 and 8 to preamplifier chassis ground.
3. Connect terminal 6 (through a suitable DC blocking capacitor) to base terminal of preamplifier transistor.