

THE 8417G MONO AMPLIFIER

OPERATING INSTRUCTIONS

The Quicksilver Mono Amp is designed to give the best of tube amp performance at a price previously not possible. To ensure this performance these instructions should be followed closely.

INITIAL TURN-ON

Insert the tubes in their proper sockets. Connect the amp into the system and turn it on. Make sure the bias is between 80 and 110 ma after 60 seconds or so, and is between 110 and 120 ma after 20 minutes or more of operation. Check bias once a month or so.

SPEAKER CONNECTION

Screw terminals are used for speaker connection because of their superior sonic performance. The output transformer wires are silver soldered directly to the screw strips eliminating any output wiring. Placing the amp directly behind the speaker with a very short speaker wire will further improve the performance. The connection to the 4 or 8 ohm tap will be determined by the rating on the back of your speaker system. The 1 ohm tap is for special applications only.

AVOIDING POTENTIAL PROBLEMS

To insure trouble-free operation from your Quicksilvers, the following tips are recommended. Connect and disconnect the preamp only when the amps are off. Don't drive the amps hard when they are cold, or with the speakers disconnected.

NOTE: The output tubes are very sensitive during their first 50 hours of operation.

FUSE BLOWING

If the 2 amp (slo-blo) fuse blows, replace it with the same type fuse and check the bias. A large change could indicate a damaged 8417 tube. No change in bias would indicate other problems, such as poor system grounding, an unstable preamp, a shorted speaker, etc. If fuse blowing continues these possibilities should be checked. Substituting the 8417s and the fuse from the other amp will also help to diagnose the problem. If the problem follows the output tubes then they are probably damaged.

TUBE REPLACEMENT

Tubes should be replaced only with the same type and brand originally in the amplifier. The 8417 output tubes must be replaced as a matched pair and should be purchased through Quicksilver Audio or a Quicksilver dealer. Quicksilver Output Tubes are "burned-in" for 10 hours prior to matching, and their performance is guaranteed. **IMPORTANT:** The output tubes must be biased when replaced (see Initial Turn-on).

SPECIAL FEATURES

Quicksilver Mono Amps use no circuit boards or transistors. They are hand-wired with the best parts available. All tubes are run well within their ratings and are protected from turn-on surge. All these factors contribute to the Quicksilver Mono Amplifiers' excellent reliability.