

## HEARING RANGE

### MAINTENANCE INSTRUCTIONS

#### GENERAL INFORMATION:

A tone is played through a set of headphones. The visitor can adjust the frequency of the tone (which is displayed on a digital counter), testing how high or low a frequency he or she can hear. A person's high frequency range varies with age, exposure to loud environments, etc.

Please refer to the drawings for the names and locations of the various components described in the following text.

#### General Cleaning:

The glass may be cleaned with glass cleaner. The finished or painted surfaces of the exhibit may be cleaned with a mild soap solution or general purpose cleaner. The acrylic panels should be cleaned with a plastic cleaner and a soft wipe that will not leave scratches, (we suggest Wype-All™). (Note: Do not use alcohol on acrylic graphic panels, or covers.)

#### Potentiometer Replacement:

Be sure the power is off. The potentiometer is accessed from underneath by loosening the two white nylon thumb-nuts and pulling on the potentiometer firmly but slowly until it releases. To reassemble, first turn the pot shaft and the knob both completely clockwise. This will avoid a 'spongy' feel at the knob stops. Then align the plate with the threaded studs and push the pot shaft into the rubber coupling. Replace the nylon thumb-nuts hand tight.

#### 115 Vac to 230 Vac conversion:

This exhibit has a step down transformer to allow 115 Vac or 230 Vac. The circuit breaker connects directly to a duplex outlet box located in the bottom of the exhibit. It is accessed by removing the locking panel. For 115 Vac operation, the exhibit outlet strip (or component power cord) is plugged into the duplex outlet connecting it

directly to the line. For 230 Vac operation, this plug must be switched over to the step-down transformer receptacle, and the transformer is then plugged into the duplex outlet. Check this configuration during initial set-up before plugging the exhibit in. The circuit breaker will protect most accidental improper connections, however some circuits may sustain damage if connected to 230 Vac if the 115 Vac plug is left in the duplex outlet.