

Self-Listening Check of Pure Tone Equipment

On any day that you plan to screen children, you should first do a self-listening check to confirm that the audiometer and all components are functioning as you would expect. Follow the steps outlined below to complete a self-listening check of the equipment:



- ✓ Review the condition of the cords, jacks, and headband.
- ✓ Clean the headphones in compliance with the manufacturer's recommendations and your program's infection control or universal precautions guidelines. Make sure they are not rough or cracked.

Plug in the equipment and turn it on. (If equipment is battery operated, simply turn it on.) Place the headphones over your own ears (red over right ear).

Set the:

- Tone type to **warble, frequency modulated, or pulse**,
- Intensity to a quiet **10 or 20 decibel (dB)** level (or the quietest level your ear can hear.)

At each of the settings listed below, present a tone and listen for any crackling sounds or for the absence or distortion of the expected tone. These would indicate your equipment has a problem.

- Set the tone location to the **RIGHT** ear:
 - ✓ Set frequency to 2000 Hz, present tone for 2 seconds, check sound quality.
 - ✓ Set frequency to 4000 Hz, present tone for 2 seconds, check sound quality.
 - ✓ Set frequency to 1000 Hz, present tone for 2 seconds, check sound quality.
- Set the tone location to the **LEFT** ear:
 - ✓ Set frequency to 2000 Hz, present tone for 2 seconds, check sound quality.
 - ✓ Set frequency to 4000 Hz, present tone for 2 seconds, check sound quality.
 - ✓ Set frequency to 1000 Hz, present tone for 2 seconds, check sound quality.
- Set the tone type to a **continuous/steady-state** presentation.
 - ✓ Hold down the tone presentation button with one hand as you move the cords with the other, listening for any crackle, sound break or distortion.

If you do not encounter any problems, you can proceed with screening. If the equipment responds in an unexpected way, get it checked and repaired by the vendor.