MAC TOOLS

EngineEAR® Elite

MODEL: ET7170

INSTRUCTION MANUAL

ATTENTION: **For your personal safety, read and understand this manual before operating this tool.**

ET7170 - Mac Tools EngineEAR® Elite

The Mac Tools EngineEAR® Elite electronically amplifies sound. The EngineEAR® Elite will provide a clear sound signal while working around or near most automobiles and automotive components. Occasional static interference when operating the device near ignition coils and/or distributors of some vehicles may occur.

REPLACEMENT PARTS

ET7170-01 - Control Unit
ET7170-02 - Flexible Shaft w/ Illuminated LED Tip
ET7170-03 - Head Set

9-volt battery included

SET-UP PROCEDURE

1. **Battery Installation –** To install the included 9 Volt battery, open the battery compartment door (in the base of the handle assembly) by pushing it forward to unlatch. The door will then hinge open.
To close the door, reverse the above procedure.

NOTE: Align contacts of battery (+/-) with symbols (+/-) on the inside of the battery compartment door when inserting the battery.

2. Connect flexible wand to handset by plugging the connector at the base of the wand into the receptacle on the front of the handset. Next, thread lock ring onto handset receptacle to secure the flexible shaft tightly into position.

3. Connect headphones by plugging the cord adapter into the headphone jack located at the base of the handset near battery compartment door.

4. Place headphones onto head and adjust until comfortable.

5. Make sure the volume control wheel is all the way in the down position prior to powering the EngineEAR® Elite on. Slowly adjust the volume until it reaches a comfortable level.

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HOW TO USE

A. LISTENING TOOL MODE

To use this device in the "LISTENING TOOL" mode, place the mode selector switch in the "UP" or (-) position.

This option is used to detect and amplify noises caused by bad bearings and bushings, exhaust leaks, bad plug wires, wind and water leaks and squeaks or rattles under the dash. While using the tool in this mode all sounds will be amplified and "back-ground" noises or voices can be heard.

NOTE: While in "LISTENING TOOL" mode, the LED indicator will be RED in color.

B. VIBRATION DETECTION MODE

To use this device in the "VIBRATION DETECTION mode, place the mode selector switch in the "DOWN" or (=) position.

NOTE: While in the "VIBRATION DETECTION" mode, the LED indicator will be AMBER in color. This option is used by placing the tip or shaft of the flexible wand flush onto the housing surface of suspected problem parts.

NOTE: Keeping the sensing tip or wand held flush against the suspect part, will help to further isolate the problem area. While in this mode, the sound microphone is disabled and only the vibration sensing microphone is operational. This mode will prevent the device from sensing "background" noises and allow the user to isolate the location of the vibration and/or the faulty component.

CAUTION: Do not turn the EngineEAR® Elite on with the volume at its maximum level! Doing so may cause hearing damage to the user and may damage the device!

FOR WARRANTY CLAIMS, CONTACT YOUR LOCAL MAC DISTRIBUTOR.

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