



Instruction Manual

ET9563 ELECTRONIC STETHOSCOPE KIT



Important: please read these instructions carefully. Pay attention to safe operation requirements, warnings, and precautions. Use the product correctly and pay attention to its use. Failure to do so may result in damage and / or personal injury and void the warranty. Please store it properly for future use.

1. Safety Instructions

1.1 General Safety Instructions Warning!

- 1) To ensure health and safety, observe local authorities and general workshop practices when using this equipment.
- 2) Be familiar with the application and limitation of the equipment, as well as the specific potential hazards.
- 3) Keep the equipment in good condition (use authorized service agent).
- 4) Replace or repair damaged parts. Use only genuine parts. Unauthorized parts can be dangerous and void the warranty.
- 5) Keep the equipment clean for the best and safest performance.
- 6) Make sure that cables, probes, and clamps do not touch moving parts.
- 7) Do not place cables, probes, or clamps close to high voltage

- items - HT wires, spark plugs or ignition coils.
- 8) Before road testing, make sure that all cables are secure and disconnected from moving parts.
- 9) Drivers are not allowed to operate the ET9563 during road tests.
- 10) No untrained personnel are allowed to operate the ET9563.
- 11) Don't let the children play with the ET9563.
- 12) Do not operate this device when you are tired or affected by alcohol, drugs, or toxic drugs.
- 13) When not in use, please cut off the equipment and store it in a safe, dry and safe place for children.
- 14) Please remove the battery when it is stored for a long time.

2. Introduction

Super-sensitive stethoscope, suitable for detection of faults in:

- Engine, Transmission.
- Cat Intake / Exhaust Manifold.
- Fuel Injectors, Radiators.
- Valves, Fuel Tanks.

Kit includes audio probe, headphones, six clip-on microphones and six-channel microphone selector box. Used by noise, harshness, and vibration engineers to isolate problem sources. It enables users to carry out a road test and diagnosis simultaneously.

3. Packing List

Check the content against the list below. If any items are missing or damaged contact your supplier.

- Stethoscope
- Stethoscope probe

- Headphones
- Microphone Clamps x 6
- Control Box

4. Operation

WARNING! Ensure you read, understand, and apply the safety instructions in section 1.

WARNING! Prolonged exposure to high volumes of noise, or sudden very loud noises can result in permanent hearing loss.

WARNING! Feedback can damage the device; keep microphones away from headphones.

4.1 Stethoscope

- 1) Install the 9V battery into the battery box of the stethoscope base.
- 2) Verify that the stethoscope is off - the red indicator LED (Figure 1.A) is not on.
- 3) Insert the headphone cable jack into the socket of the stethoscope base (Figure 1.B).
- 4) With headphones on, turn on the stethoscope on the rotary switch (Figure 1.C) - the red LED lights up and slowly increases the volume to a comfortable level.

- 5) Place the rubber head (Figure 1.D) on or near the suspicious part. You can also insert the stethoscope probe into the rubber tip of the stethoscope, which is useful for detecting noise inside the housing.

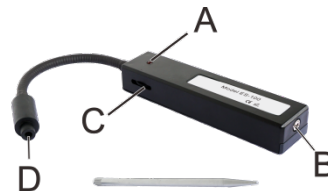


Figure 1

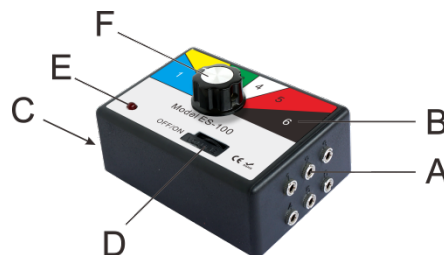


Figure 2

4.2 NVH Test

- 1) Install the 9V battery into the battery box at the bottom of the control box.
- 2) Install microphone clamps on or near suspicious items and / or reference areas as required. Pay attention to cable routing and safety. Secure the cable with a tie.
- 3) Insert the clamp cable jack into the slot in the control box (Figure 2. A). Note that the socket is numbered, the selector scale (Figure 2.B) has the corresponding number, and the color code matches the color code on the clamp cable, as follows:

1 - Blue	3 - Green	5 - Red
2 - Yellow	4 - White	6 - Black

- 4) Insert the headphone cable jack into the socket in the control box (Figure 2.C).
- 5) With headphones on, turn on the control box (Figure 2.D) - the red LED (Figure 2.E) lights up and slowly increases the volume to a comfortable level.
- 6) You can now listen to each microphone clip in turn using the selector switch (Figure 2.F).

Battery Removal

Stethoscope: slide the battery cover at the back and remove the battery.

Control box: slide the back battery cover and take out the battery.

Warranty Statement

Endeavour Tools guarantees this unit against defects in material and workmanship for a period of twelve (12) months from the date of purchase.

- A. Endeavour Tools warrants the quality of these goods against defects in material and workmanship only
- B. Defective goods shall only be replaced, repaired or purchase price refunded if.
 - a. The customer notifies Endeavour Tools by providing a full report describing the defect in writing within 7 days of discovery of the defect
 - b. The notification above provided to Endeavour Tools is prior to expiry of warranty period
 - c. The customer forwards the defective goods together with proof of purchase from Endeavour Tools or its authorized distributors at their expense, within 14 days of any request by Endeavour Tools to do so
 - d. The goods since the date of delivery to the customer have been properly maintained, stored, and housed and the goods have not been abused or modified or the case opened, and use of a defective material
- C. Endeavour Tools may replace or repair the defective good (or part thereof) or refund the purchase price of the defective good at its option
- D. Endeavour Tools shall not be responsible for any loss or damage arising from in any way connected with the use of the goods
- E. To the maximum extent permitted by the law, a claim in respect to a defective good shall not be permitted in the event that the goods have not been installed, used, maintained, or housed in a proper and workmanlike manner or in accordance with the usual standards or manufacturers specifications or instructions or if the good have been repaired or altered by any person apart from Endeavour Tools.

Notwithstanding our warranty terms above, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits under our warranty are in addition to other rights and remedies under law in relation to the goods.