

## Electronic Stethoscope



### Information

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- Designed to help find the location of problematic noises quickly, reducing the diagnostic time.
- 1 way amplifier allows for a quick and simple method of testing.
- Can be used on many parts of the engine including the alternator, etc.
- Includes 6 way amplifier and colour coded probes.
- Alligator clips allows for use on various test points.
- Padded headset and band gives extra comfort for when working for extended period of time.

### Precautions

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Always wear safety gear.  
Working in a clean and safe environment.  
This task should be carried out by trained personnel.  
Make sure to consult manufacturers manual.  
Do NOT use with air tools.

## Instructions

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### One Way Amplifier

For quick and simple testing (i.e. alternator, deflector roll, tension pulley, etc.).

#### Step 1

Check for the correct battery polarity and insert battery into compartment.

#### Step 2

Connect headphones with amplifier.

#### Step 3

Turn on the stethoscope from the left side.  
Turn the volume knob forwards until the red LED light switches on.  
Please note there may be a slight resistance.  
Adjust the required testing volume using the knob.

Note: The one way amplifier can be used with or without tracer pin.



### Using Tracer Pin

Place tracer pin on any part that requires testing.  
Background noises will not affect the testing procedure.



### Without Tracer Pin

Noise can be detected without touching vehicle parts.  
You will be able to hear air flowing through the car fans through the headphones.

### Six Way Amplifier

For hard to reach areas, testing while driving, and testing up to six areas simultaneously.

#### Step 1

Check for the correct battery polarity and insert battery into compartment.

#### Step 2

Connect probe heads according to the colours and numbers indicated.  
Clip alligator pliers onto the vehicle.  
Connect headphones to the amplifier.

#### Step 3

Turn on the stethoscope from the left side.  
Turn the volume knob forwards until the red LED light switches on.  
Please note there may be a slight resistance.  
Adjust the required testing volume using the knob.



## Instructions

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### **Test Drive**

For i.e. noise from the front right axle.

You will need someone else to help you when carrying out this procedure.

### **Step 1**

Clip alligator pliers onto the vehicle.

Write down which area on the vehicle each alligator clip is clipped onto, and which colour probe it is linked to. This will make the testing easier to locate problems.

### **Step 2**

Switch through the 6 channels of the amplifier to test different areas the probes are connected to.

Write down which channel noise problems can be heard on.

Use the previous written note for alligator clips and probe colours to easily locate the problem area.

## Warranty

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If you are unsure on how to use the item please contact us. If it were to fail due to a manufacturing fault or poor workmanship we will repair or replace it. Please contact your local dealer in the event you need to send the item back. You can also make a repair/replacement request on our website and download & complete the form online. Normal wear and tear along with misuse will void any warranty. Consumables are not covered under warranty.

[www.welzh.com](http://www.welzh.com)

Limited **12 month** warranty



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