

Trademark

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1. Caution

- Non- technical person shall not change, disassemble or repair the product, otherwise all losses caused by this shall be bared by the user himself.
- This product is powered by electricity and should not be used as a toy for children.
- To avoid short circuit, do not immerse the product in water or other liquid.
- Please try to use the power supply and power cord supplied by manufacturer as standard.
- Please do not expose this product to strong light or high temperature when it's not at use.
- Keep away from smoke-sensitive parts for leak detection.
- When you use this detector the first time, please fill 20-30ml oil, not beyond this range.
- Fresh oil can be filled only when the smoke is light, do not add test oil excessive to the volume of the measuring bottle at one time, 15ml each time will be good enough. Otherwise the smoke outlet equipment will be affected.
- Before filling fresh oil, please pour out the old remaining oil in the detector.
- Please replace the detector oil regularly.
- Detector oil selection : Liquid paraffin and baby oil are all OK. But please make sure there is no water inside, and sticky liquid is forbidden.
- The test equipment has a temperature protector. If the machine is operated continuously for a long time, it will automatically stop and protect after overheating. Meanwhile, the air pump works normally, the heating system stops working, and when the temperature drops to a reasonable temperature, the equipment resumes normal operation. If you need to work continuously, after 15 minutes of work, the equipment shall be shut down for 3-5 minutes.
- User can use strong airflow for the outside of the device to cool down, but do not directly use the liquid to dissipate heat.

2. Getting Started

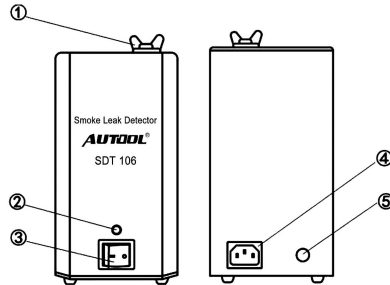
AUTOOL SDT 106 is a professional auto pipe leak detect tool. It will help us position leakage on any pipe system quickly and exactly,such as EVAP system, intake system,

exhaust system and so on.

3. Main Unit Structure

SDT 106 is designed for detecting the leakage of pipe systems on cars, motorcycles, such as fuel pipe, air intake system and cooling tank.

SDT 106 is for all pipe system and EVAP.



- ① Oil Filler: To fill oil.
- ② Working indicator: It is light when the detector works.
- ③ Power switch: Power it on, and the detector works.
- ④ Power socket port.
- ⑤ Smoke output: The smoke outlet which connecting with detection port.

4. Operation

1. Open the engine cover, and hang the detector in the cover.
2. Disconnect the pipe that needs to be connected with detector. If the pipe needs to be disconnected in the middle, please secure the other side with a rubber stopple.
3. Secure this side with proper taper stopple/pipe, and connect it with smoke output tube.
4. Connect detector with DC12V battery: red with positive, black with negative. Do not connect in a contrary way.
5. Turn on the power switch, and the detector starts to work.
6. In about 3 minutes, the pipe will be filled with smoke. Check the leak points. Please use head lamp if necessary.
7. After leak detection, please connect well the wires and pipe.

5. Maintenance

With longtime high temperature, the smoke and oil will oxidize and deteriorate. It will infect the service life of smoke generated part, so please change smoke and oil regularly.

1. Before filling fresh oil, please pour out the remaining oil in the detector.
2. When the smoke output has water drops, please replace with fresh oil.
3. Liquid paraffin and baby oil are OK.

Please fill fresh oil with equipped oil bottle

6. How to do leakage test

1. Turn on device then block smoke exhaust port on SDT 106, record pressure gauge value
2. Connect smoke exhaust port to the pipe system you want to test
3. Wait for a while. Pressure gauge value decrease means the pipe system have leakage; pressure gauge value show "0" means diameter of leakage point is more than 0.3mm

7. Specifications

- Power: DC 12V, vehicle battery
- Smoke output value: 6 L/Min
- Built-in air supply

8. Packing List

Main Unit	1	Taper pipe	1
Hook (with hand-tighten nuts)	1	30ml oil bottle	1
Rubber stopples (with serial specification)	1	User manual	1
Taper stopple	1	EVAP testing accessory	1

9. Warranty

There are 3 years' warranty for AUTOOL product main unit and 1 year warranty for the accessories since the day the customers have received the product parcel.

Warranty Access

1. Repair or replace the equipment will be done according to the specific fault conditions;
2. We guarantee that all replacement parts, accessories or equipment are brand new;
3. When there is a product breakdown that can not be solved within 90 days, customer should provide video and pictures as proof, we will bear the freight cost and provide customer the accessories in need to replace. After receiving the product for more than 90 days, the customer shall bear the freight cost, we will provide the accessory for free to replace.

Warranty not Covered in Conditions Listed Below

1. Product is bought through non-official AUTOOL purchase channel.
2. Product failure is caused by incorrect use of the product, use for other wrong purpose or human factors.

Disclaimer: The AUTOOL Technology Co, Ltd. reserves the right to change product designs and specifications without prior notice. The physical appearance and color may differ from those shown in the instruction manual. Please refer to the actual product. If you have any question, please contact the dealer or the Autool service center. The company have the final explanation right of product and shall not bear any consequences due to misunderstanding.