AUTOOL SDT206

Smoke Leak Detector

User Manual

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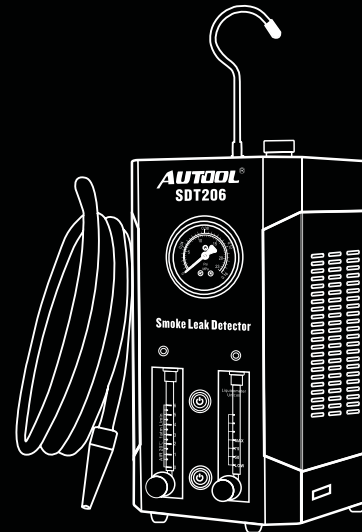
RoHS
Made in China

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Attention

- Non- technical person shall not change, disassemble or repair the product, otherwise all losses caused by this shall be bared by the user himself.
- Please do not scratch, bend, twist or stretch the wires. Do not place the wires in high temperature. Do not press hard or decompose the on-board charging adapter.
- Please do not place nails, pins, and other small debris on the charging port, in order to avoid damaging the charging connector.
- Do not place the product in unstable place such as high altitude area, slope, or shelf.
- This product is powered by electricity and should not be used as a toy for children.

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- 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.

Getting Started

AUTOOL SDT206 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.

Main Unit Structure

SDT206 is designed for detecting the leakage of pipe systems on cars, motorcycles, such as fuel pipe, air intake system and cooling tank. SDT206 is for all pipe system and EVAP.

Cautions

- When you use this detector the first time, please fill 20-30ml oil, not beyond this range.
- Fresh oil can be filled with only when the smoke is light, and it can't be filled over 15ml every time.
- Before filling fresh oil, please pour out the remaining oil in the detector.
- Please replace the detector oil regularly.

Tool Description
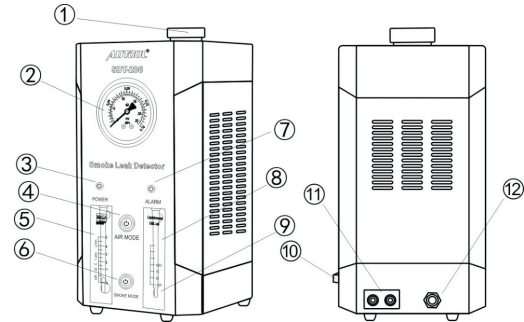
① Oil Filler
② Pressure gauge
③ Working indicator
④ Air mode
⑤ Air flow meter
⑥ Smoke mode
⑦ Alarm indicator
⑧ Oil level meter
⑨ Oil outlet valve
⑩ Power switch
⑪ Power output
⑫ Smoke output

Operation

- Open the engine cover, and hang the detector in the cover.
- 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.
- Secure this side with proper taper stopple/pipe, and connect it with smoke output tube.
- Connect detector with DC12V battery: red with positive, black with negative. Do not connect in a contrary way.

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- Turn on the power switch, and the detector starts to work.
- In about 3 minutes, the pipe will be filled with smoke. Check the leak points. Please use head lamp if necessary.
- After leak detection, please connect well the wires and pipe.

Notes

- Please do leak detection away from smoke-sensitive parts.
- Do not run the detector over 8 minutes. It needs interval rest.
- The detector has protector. If it exceeds working limit, it will power off automatically. In this condition, please operate it later.
- The round part of this detector is with temperature, be careful to avoid scalding injury.

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.

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

Please fill fresh oil with equipped oil bottle.

How to do leakage test?

- Turn on device then block smoke exhaust port on SDT206, record pressure gauge value.

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- Connect smoke exhaust port to the pipe system you want to test.
- 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.

Packing list

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

Warranty Service

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

- Repair or replace the equipment will be done according to the specific fault conditions;
- We guarantee that all replacement parts, accessories or equipment are brand new;

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- 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

- Product is bought through non-official AUTOOL purchase channel.
- 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.

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注意事项

- 请远离烟雾敏感部件进行泄漏检测。
- 请勿一次加注测试油超过量瓶的量，否则设备出烟受到影响。
- 检测设备有温度保护器。如果长时间连续作业，过热后它将自动停机保护，此时气泵正常工作，发热系统停止工作，当温度下降到合理温度，设备恢复正常工作。如需连续工作，在工作15min 后，设备停机休息3-5min，同时加注10-15ml 烟油，加快设备冷却。
- 可用强风对设备外进行强制散热，但切勿直接接触液体散热。

产品概述

SDT206是一款专业的汽车管道泄漏检测工具。诊断泄漏检测仪可在任何密封系统中利用可视烟雾系统快速定位难以发现的泄漏点，

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比如EVAP系统、进气系统、排气系统、风和水泄漏、增压空气冷却器、涡轮增压器、管道、配件、软管和很多其它部件。帮助技师一次性快速解决问题，显著消除了车辆的重复返修，大幅减少诊断时间并提升客户服务，有效减少质保成本。
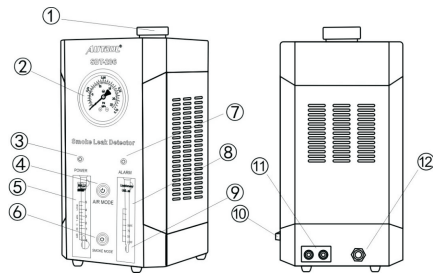
功能特点
- 小巧便携，大小可放在工具箱中。
- 内置空压机，随时进行诊断和维修。
- 流量控制调节，可检测出0.25mm的泄漏孔。
- 紧凑、轻量化设计。

规格参数
- 品牌名称：AUTOOL
- 产品名称：汽车烟雾测漏仪
- 产品型号：SDT206
- 输入电压：DC 12V
- 输出压力：≤15Psi（≈1Kg）
- 输出流量：1~6(L/min)
- 包装尺寸：300x235x320（mm）
- 整机重量：5Kg
- 产品认证：FC, CE, ROHS

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整机结构

①测试油加注口　　②压力表　　　　③电源指示灯
④空气模式控制开关　⑤烟雾流量表　　⑥烟雾模式控制开关
⑦报警指示灯　　　　⑧测试油液位表　⑨放油口
⑩电源开关　　　　　⑪电源线插口　　⑫烟雾导管接口

操作方法
- 打开发动机盖，将检测设备挂在发动机前盖上。
- 打开需要检测的系统的接入口，将检测专用接头同被检系统无缝连接。如果被检系统存在多个开放出口，请用相应的橡胶堵头堵死。
- 用检测设备出烟管上的锥形快接头同被检体专用接头连接。
- 用 DC12V电池连接检测设备：红色带正极，黑色带负极。不要以相反的方式连接。
- 电池取电正确时，烟气自带气泵将开始工作向外输出气流。
- 打开检测设备前端电源开关，检测设备将以6L/min的速度向被检体内部输入烟雾，管道充满烟雾后，泄漏点将向外泄漏烟雾。为提升检测效果，可使用强光灯照射。

● 检测设备使用完后，请将电线、管道及相关配件收纳好。

保养维护

在长时间的高温下，烟和油会氧化和变质。它会影响烟雾产生部分的使用寿命，所以请定期更换测试用油。

● 在加注新油之前，请倒出检测设备中剩余的测试油。
● 当烟雾输出有水滴时，请重新更换测试油。

备注：液体石蜡和婴儿油均可使用。
请用准备好的油瓶装满新油。

包装清单

● 主机：×1
● 烟雾导管：×1
● EVAP工具套件：×1
● 标准锥形适配器：×9
● 盖塞工具锥形适配器：×1
● 膨胀气囊：×1
● 电源线：×1
● 挂钩：×1
● 烟雾发生剂加注壶：×1
● 产品使用手册：×1
● 合格证：×1

售后服务

售后保修：
AUTOOL 整机自客户签收日起享有3年保修期，附件1年保修期。

保修方式：
● 根据具体的故障情况对设备进行修理或更换；
● 我方保证所有更换的部件、附件或设备都是全新；
● 在客户收到产品90天内出现故障同时提供视频和图片，我方承担运费并免费提供相应配件给客户更换。收到产品超过90天，客户承担相应的费用，我方免费提供配件给客户更换；

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● 非正规渠道购买AUTOOL的产品；
● 未按产品说明书要求使用和维护造成的损坏；

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