

SmartSafe 易检车服

AC519+/AC519



Products Introduction

01



It is a full-automatic intelligent equipment that integrates automobile air conditioner cleaning. For fuel vehicles, pure electric vehicles and hybrid vehicles.

It can effectively improve the cooling effect of air conditioning and the problem of high compressor load . The product has beautiful styling, user-friendly operation interface, reliable manufacturing process and advanced technology principle, which makes car maintenance work professional and simple.

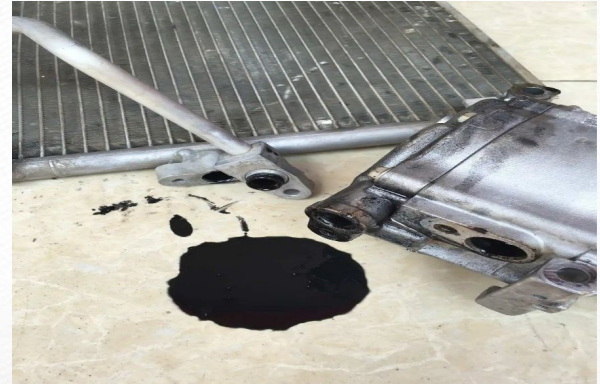
Causes of Compressor Wear

Compressor Oil Degradation: The oil in the compressor can deteriorate due to the high loads that automotive air conditioners run under for long periods of time. Deteriorated oil adheres to the various components of the air conditioning system, causing corrosion and ultimately refrigerant leakage.

Mechanical wear due to high speed loads: Compressors are subjected to high speed loads during operation, which can lead to mechanical wear over time. This wear may cause the compressor to fail to operate properly or produce abnormal noise.

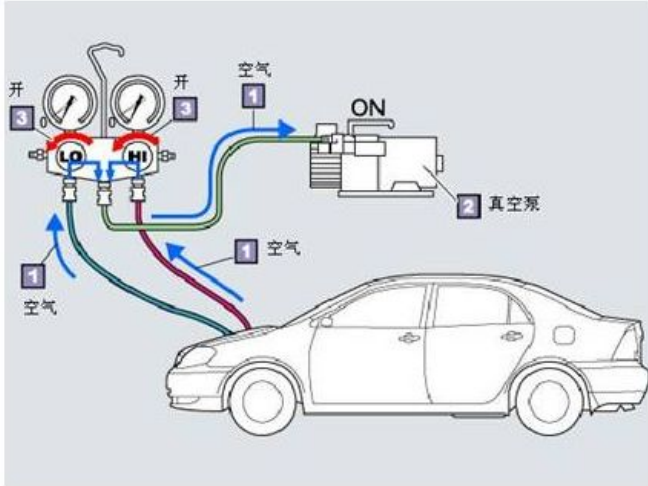


Iron filings from compressor wear



Frozen oil deterioration

Conventional maintenance method of refrigerant refilling and vacuuming



1. The original refrigerant in the automobile air-conditioning pipeline is directly discharged into the air, resulting in a waste of refrigerant.
2. Troublesome procedure
3. The internal lines of the air conditioner are not cleaned to the extent that they should be

Product Features

02

Function

Highlights

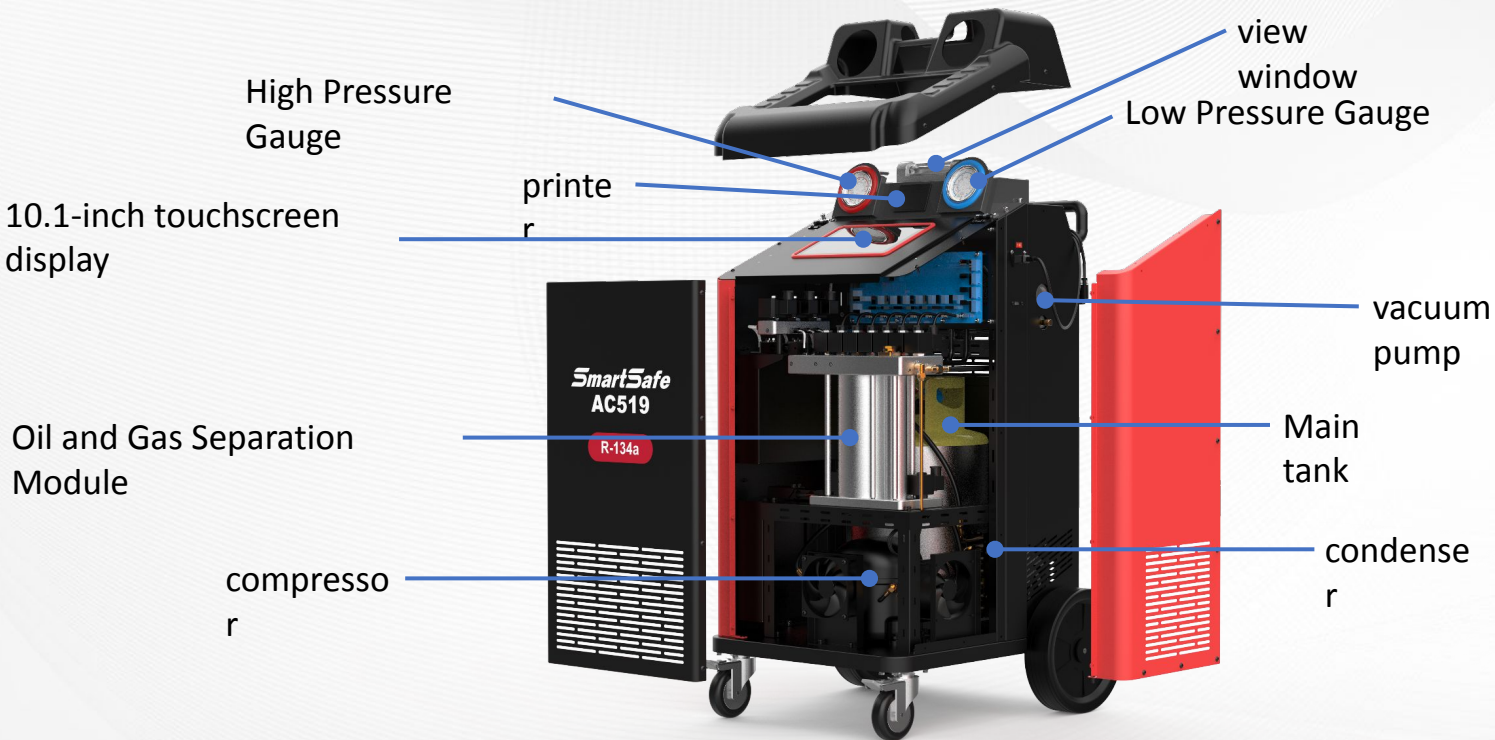
- Suitable for R134A/R1234YF. fuel vehicles, pure electric and hybrid vehicles
- Android operating system, 10.1-inch touch screen
- New piping design, simple design, easy to maintain
- Support ST13 terminal remote control
- Supports refilling of PAG/POE (insulating) refrigeration oil, UV test fluid
- Use 128L/min two-stage vacuum extraction capacity, significantly improving work efficiency.

Product Structure Composition



03

Structure Composition



结构组成



Product Parameter

Input Voltage	AC220V~50/60Hz AC110V~50/60Hz
Compressor power	1/2HP
Vacuum pump	Two stage 128L/min
Precision of electronic scales	±10g
Oil bottle	4个 (PAG.POE.UV.USED)
Refrigerant tank capacity	22kg
Display screen	10.1 inch touch screen
Filter capacity	120kg
Electronic scale	5. (main tank、PAG、POE、UV、USED)
Size	1135mm(H) ×660mm(D) ×530mm(W)

Languages: 14 languages (Chinese Simplified/Traditional, English, Japanese, Russian, Farsi, French, German, Italian, Spanish, **Arabic**, Portuguese, Romanian, Vietnamese, Greek)

Configuration Comparison

04

**Appearance
Comparison**

AC500



AC519



AC519+



**Comparison of Hardware
Parameters**

	AC500	AC519	AC519+
Display screen	5.1inch	7 inch color screen	10.1 inch touch screen
Main tank capacity	12kg	12kg	22kg
vacuum pump	42L/Min	42L/Min	Two stage 128L/min
view window	yes	no	yes
Filter capacity	60kg	60kg	120KG
Number of oil bottle	2	2	4
Number of electronic scales	3	2	5

Function Comparison

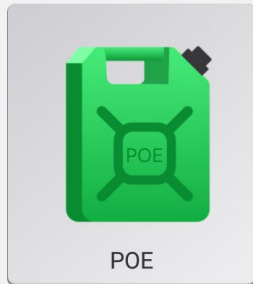
	AC500	AC519	AC519+
Communicating with tablets	No	No	Yes
Refrigerant Type	R134a/R1234yf	R134a/R1234yf	R134a/R1234yf
Recycling capacity	3/8HP	3/8HP	1/2HP
Support vehicle type	fuel vehicles	fuel vehicles	fuel vehicles, pure electric and hybrid vehicles
operating system	Micro Control Unit	Micro Control Unit	Android
Update way	Wired	Wired	Wired /wireless
Leak test	No	No	Yes
HP+LP/LP/HP Three add modes	No	No	Yes

R-134A

2024-11-19
07:00:12



Please select the appropriate refrigerant oil based on the vehicle model:



R-134A

2024-11-19
07:03:45



Please select the appropriate refrigerant oil based on the vehicle model:

Mode

A
Automatic Mode

M
Manual Mode

X

R-134A PAG

2024-11-19 07:04:05



Cleaning Duration

Evacuation Duration

Recharge Oil **Custom**

Recharge Refrigerant

Max60 min

Max60 min

Max 96 ml

Max 11637 g

20

15

10

700

Pressure check

Leak Detection

Add UV Agent

2

2

5



LP

LP+HP

HP



R-134A PAG

2024-11-19 16:35:58



Wash

Recovery

Vacuum

New Oil

Refrigerant

Cleaning Duration

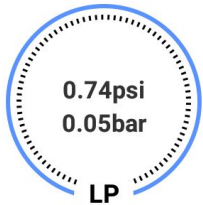
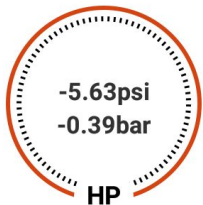
Max60 min

20

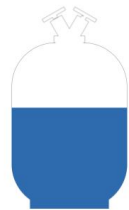


R-134A

2024-11-19
07:06:06



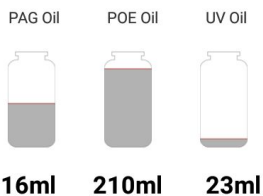
Tank Capacity



Charger Capacity
13.13KG

TP: **147.66psi**
10.18bar

Oil Capacity



Recovery Capacity
8.87KG

Recharge



R-134A PAG

2024-11-19
07:09:58



- Parameter Settings
- Cleaning**
- Evacuation
- Recharge Oil
- Recharge Refrigerant
- Completed

Cleaning in progress...

20 min
Remaining

Setting time:20:00



R-134A PAG

2024-11-19 07:15:22



Draining old oil...
5 ml



R-134A PAG

2024-11-19 07:16:08



Evacuation in progress...

Countdown
5 min
Pressure: 0.72bar

Setting time: 5:00



R-134A PAG

2024-11-19
07:21:11



Adding refrigerant oil...

Press and Hold **Completed**



R-134A PAG

2024-11-19
07:24:38



Adding UV...

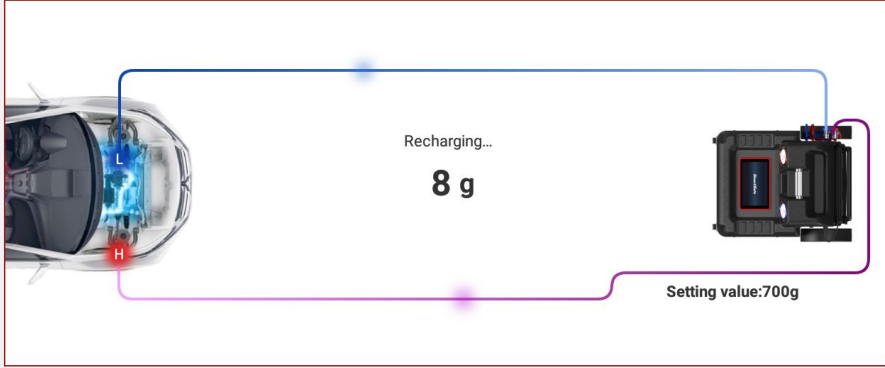
Press and Hold **Completed**



R-134A PAG 2024-11-19 07:25:34

Parameter Settings Cleaning Evacuation Recharge Oil Recharge Refrigerant Completed

Recharging...
8 g
Setting value:700g



🕒

R-134A PAG 2024-11-19 07:27:02

Parameter Settings Cleaning Evacuation Recharge Refrigerant Completed

A/C Maintenance Report

Service Company Info

Name: abc
Phone: *** Time: 2024-11-19 07:26
Address: ****

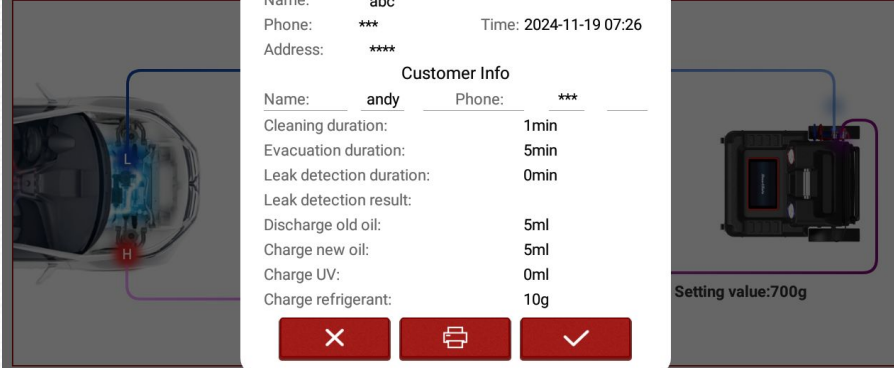
Customer Info

Name: andy Phone: ***

Cleaning duration: 1min
Evacuation duration: 5min
Leak detection duration: 0min
Leak detection result:
Discharge old oil: 5ml
Charge new oil: 5ml
Charge UV: 0ml
Charge refrigerant: 10g

Setting value:700g

✕ 🖨️ ✓



🕒

R-134A PAG

2024-11-19 07:27:15

A/C Maintenance Report

Parameter Settings Cleaning Recharge Refrigerant Completed

A/C Maintenance Report

Service Company Info

Name: [Redacted]

Phone: 16666666

Address: longgang

Customer Info

Name: [Redacted]

Phone: [Redacted]

Setting value:700g



✕ ✓

R-134A PAG

2024-11-19 07:27:31

Parameter Settings Cleaning Evacuation Recharge Oil Recharge Refrigerant Completed

Cleaning duration:1 min
Evacuation duration:5min
Leak detection result:
Discharge old oil:5ml
Charge new oil:5ml
Charge UV:0ml
Charge refrigerant:10g

R-134A **PAG** 2024-11-19 16:30:31  

- WIFI
- Language
- Device
- User Manual
- Brightness
- Date and Time
- Upgrade Center**
- Developer


APP
Latest version
V1.00.003


Firmware
Latest version
V1.0.0

OTA
NEW New version
V1.1.1

APP USB

Firmware USB

R-134A 2024-11-19 07:06:35 

	Alfa Romeo	Audi	BMW
Bedford	Cadillac	Chevrolet	Chrysler
Citroen	Cupra	DS	Dacia
Daewoo	Daihatsu	Daimler	Datsun (14-)

R-134A

2024-11-19
07:06:49



My Database



R-134A

2024-11-19
07:07:32



MyDatabase-Add

1 Brand

2 Series

3 Year

4 Model

Refrigerant Type
Refrigerant Amount
New Oil Type
New Oil Amount



Thanks