

ABS-201

Brake intelligent equal oil changer

Instructions for use

Precautions



Important safety instructions

- ◆ Please read this manual carefully before using this equipment for proper operation.
- ◆ Do not use the device near heat sources and sources of ignition.
- ◆ This device can only be used indoors to avoid exposure to the sun or rain.
- ◆ Turn off the equipment air supply after use and place the equipment storage.
- ◆ During use, the hose should be kept away from the rotating parts of the car and the hot parts, such as fans, radiators, etc.
- ◆ Automobile exhaust contains a variety of toxic and harmful gases (such as carbon monoxide, hydrocarbons, nitrogen oxides, etc.), to maintain good indoor ventilation during operation, and to wear protective glasses, protective masks and protective clothing.
- ◆ The temperature of the exhaust pipe and water tank of the automobile engine is high, and the operator should keep away from the heat-generating parts to prevent burns.

- ◆ Do not allow children or people with intellectual disabilities to get close to the device or touch the device while the device is running.
- ◆ Users of this equipment must be familiar with the maintenance knowledge of the brake system to avoid damaging the brake system by mistake.
- ◆ The device should be placed upright and should not be placed upside down or sideways.
- ◆ When replacing the brake fluid of the car, it must be operated by a professional. During operation, special attention must be paid to the operation of the equipment. The quality of the brake fluid selected must meet the requirements of the car maintenance manual. Otherwise, the company will not be liable for any direct or indirect liability.
- ◆ After the equipment is changed to the car, the road test must be carried out on the car to detect the effect of the brakes and prevent the effects caused by misoperation.



Indicates where attention is required when operating the equipment.



Indicates the possibility of damage to the product or personal injury during use

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One Outline

Oil replacement is required every two years or 40,000 kilometers according to the car maintenance regulations. The liquid brake system transmits pressure for a long time to stop the wheel from rotating, the internal oil will deteriorate, and the brake oil has water absorption characteristics. If failure to replace the brake fluid in time will cause the brake system to work abnormally, causing an accident. In the past, it was changed by manual oil, which was inconvenient to operate and time-consuming and laborious. The new generation of brake oil changer is easy to operate, convenient and practical, and the oil change speed is fast. ABS-201 is your wise choice!

Two Equipment functions and features

Features:

- 1 The four sub-pumps change oil at the same time, saving time and fast.
- 2 The powerful recycling function can recover the old brake fluid at the same time and quickly.
- 3 New and old oil pipelines are designed independently to prevent cross-contamination of new and old oil.
- 4 Large-capacity old oil drums for continuous replacement of multiple vehicles.
- 5 External new liquid and old liquid observation window, the contrast effect is more intuitive.
- 6 Filling with an electric pump prevents the new liquid from being doped with moisture.
- 7 Imported corrosion-resistant tubing, beautiful, durable and easy to move.
- 8 Applicable to models in Europe, America, and Asia.
- 9 Effectively solve the problem of time and effort in manually replacing the brake oil.
- 10 Improve the working performance of the brake system.
- 11 Extend the life of the brake system.

Functions:

- ◆ Equal exchange of brake oil function;
- ◆ Add brake oil function;
- ◆ Recovering brake oil function;
- ◆ emptying old and new oil functions;
- ◆ Flush brake line function;
- ◆ Quickly correct the electronic scale;

Three Working environment and technical indicators

Working environment:

environment temperature: $-20\sim+60^{\circ}\text{C}$

Relative humidity: $<85\%$

Technical indicators:

Voltage: DC12V

Maximum power: 150W

Pressure gauge: 0 ~ 150psi oil pipe: 2.5m

Oil return pipe: 3.5m+2.5m One minute four design new tank capacity: 5L

Old tank capacity: 10L Noise: $<70\text{db}$

Net weight: 25 Kg Gross weight: 30 Kg

Four Structure and composition

4.1 Device appearance

ABS-201 brake intelligent equal oil changer is a cabinet structure with handles on the top and brake casters on the bottom. It is very convenient to move and fix. The oil pipe adopts imported corrosion-resistant oil pipe, and the old liquid tank recovered is large-capacity,

contrasting, high-end atmosphere, micro-computer control operation, blue LCD screen display is simple and clear, so that your operation is more convenient.

4.2 Equipment details



Note:Close the drain valve after draining the waste. Please check this valve before using the

washing machine again.Whether the door is closed

Five Operating Instructions

Note:

- ◆ It is forbidden to add new liquid during the process of adding new liquid, equal exchange, and circulating cleaning.
- ◆ During the recycling of the old liquid, the pipes connected to the brake discs should be kept long enough and not twisted.
- ◆ During the oil change process, the personnel need to monitor the replacement situation. The oil may have certain corrosiveness. The glove should be operated during operation.
- ◆ When changing the oil, the oil in the master pump oil pot must not be lower than the lowest scale line to prevent air from entering the brake system piping.
- ◆ After the construction is completed, the road inspection must be carried out by professionals.

5.1 Preparation before operation

1. Lift the car and lift the car to the right height so that the drive wheel is suspended
2. Connect the pipeline, connect the four suction pipes of the equipment to the brake cylinder of the car, and loosen the exhaust screw of the brake cylinder to ensure that oil flows out. The liquid outlet pipe is placed at the oil master of the brake master cylinder and clamped and fixed with a clamp.
3. Connect 12V car power supply, connect air pump

5.2 Brake system maintenance steps

1. According to the internal oil quantity of the brake oil tank, choose to add new oil to the brake master cylinder oil pot to the highest liquid level.
2. Select to recycle 0.1KG old oil to ensure that the brake cylinder exhaust screw is unobstructed.
3. Select the cycle flushing, the flushing volume is 1.5-2kg, and start the automatic flushing (this step can be selectively operated according to customer requirements).
4. Select the same amount of oil change. It is recommended to use 2-4kg. Start the automatic oil change. You can use the old and new oil observation windows to judge whether the same

amount of oil is exchanged.

5. Tighten the brake screw of each brake cylinder to ensure that the seal does not leak oil. Press the brake several times to check whether the brake stroke and brake force are normal.

6. Check the total amount of brake oil to ensure the oil level is in place.

7. After the work is finished, the technician will experience the braking effect by driving. If it feels abnormal, return to the inspection.

Six Maintenance

◆ When changing oil, pay attention to whether there is oil leakage at each joint and whether the connecting hose is damaged.

◆ After each oil change, please empty the waste liquid in the waste liquid tank. Close the valve after the waste liquid is drained.

◆ Keep the new oil filling port clean.

Warranty terms

This warranty applies only to users and distributors who purchase this product through normal trading procedures.

Within 12 months from the date of delivery, the company warrants its electronic products for defects in materials or workmanship, resulting in abuse, alteration, use for non-design purposes, and failure to operate in accordance with the instructions. Or the parts are damaged, not in this insurance within the scope of repair. The compensation for damage to the automobile instrument caused by the defect of the equipment is limited to repair or replacement, and the company does not bear any indirect and accidental losses. The company will judge the equipment damage attribute according to the inspection method specified by it. No agent, employee or business representative of the company is authorized to make any relevant confirmations, reminders or promises.

Give up the statement

The above warranty terms can be used in place of any other warranty.