



BRAKE OIL CHANGER
刹车油更换机

AE5771



使用说明书 / User's Manual



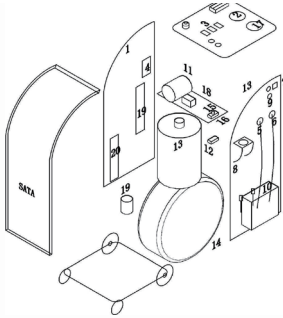
目录 CATALOG

第一章 技术参数.....	4
第二章 刹车油更换结构图.....	4
第三章 概述.....	5
第四章 操作注意事项.....	5
第五章 刹车换油专用转换接头（全套）.....	6
Chapter I Technical Parameter.....	7
Chapter II BREAK OIL EXCHANGER STRUCTURE DIAGRAM.....	7
Chapter III Overview.....	8
Chapter IV Operational Precautions.....	8
Chapter V BREAK OIL EXCHANGER ADAPTERS (Full Set).....	9

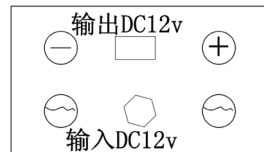
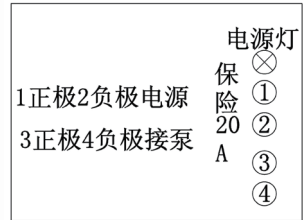
第一章 技术参数

- 电压: DC12V
- 功率: 120W
- 压力: 0-0.4Mpa (4Bar)
- 注油度: 3L/min
- 容积: 4L
- 重量: 45Kg 正负 1KG (净重)

第二章 刹车油更换结构图



- | | |
|----------|----------|
| 1 箱体 | 14 回收瓶 |
| 2 压力表 | 15 传感器支架 |
| 3 电路板 | 16 传感器 |
| 4 驱动器 | 17 真空表 |
| 5 回油硅胶管 | 18 电磁阀 |
| 6 加注管 | 19 铅块 |
| 7 开关 | |
| 8 加油口 | |
| 9 指示灯 | |
| 10 回抽橡胶管 | |
| 11 电泵 | |
| 12 真空发生器 | |
| 13 加注瓶 | |



第三章 概述

- AE5771 刹车油更换机是液压制动装置和液压离合器保养的必备工具，目前广泛应用于带液压传力的多种高精端设备中，特别是汽车工业领域。
- 该装置结构牢靠，用途广泛，自动化程度高，省时省工，符合单人制完成此类工作之要求并适用于所有 ABS 防抱死装置和液压离合器。

第四章 操作注意事项

- 每次使用前通过目测检查装置是否损坏，若有损坏请勿使用并请专业人员进行修理。
- 该装置仅使用于规定的用途 ---- 对液压制动装置和液压离合器进行保养，严禁用于其它容器的排液或充液。
- 该装置仅适用于规定的填充液，如：DOT3，DOT4，DOT5。严禁使用其它液体（燃料、溶剂、机油等）。
- 滴在外壳上的刹车油应立即擦净，不然外表局部可能会起化学反应，进而影响外观。
- 严禁将沾有机油、燃料、溶剂的抹布置于装置上。
- 为保证装置的可靠性和安全性，建议定期让专业人员进行保养维护。

正确调节回抽工作气压

- 该装置出厂时，调压器的工作气压设置为 6KG 左右，另外，在较低的工作气压下（如某些车型要求的那样）减慢回抽旧液速度，可以通过调节侧面调压器来实现。在少数特殊情况下也希望有较高的工作气压。

使用流程及方法

- 取下制动液填充口上的密封盖，注入新鲜制动液，最大填充量约为 4 升；设备侧面的液位显示管可以显示液体的填充位；
- 电源线接上电源（DC12V 不用区分正负极）设备出油管通过匹配的接头连接到车辆刹车油壶上，连接前先将车辆刹车油壶加满。四条透明软管分别接到刹车油车轮位置放气螺丝上，并打开放气螺丝，接通气源并打开油水分离器上的阀门，开始回抽旧油，同时调整设备调速旋钮缓慢增加压力压力一般在 0.5 到 1KG 之间，可灵活掌握，新油开始注入车辆。
 - 注意汽车刹车油壶盖位不要溢出油，注意观察设备内的新油油桶位置油位看不到油时，即关机关气；设备没有油时，蜂鸣器会鸣响提示并关闭加注；本机配有低油量报警系统，当油位下降至约 0.2-0.4L，蜂鸣器会鸣响提示并停止加油。
 - 设备有恒压限制功能设定一个高点，再设定一个低点一般设定在 0.5-1 之间，可根据需求灵活设定压差在 0.5KG 之间；需要配合调速器共同使用。

使用方法二《备用》

- 如果接头有不匹配，用以下备用方法换油
 1. 设备抽油管，四条透明软管接到车辆车轮位置放气螺丝上并打开放气螺丝。
 2. 接通气源并打开油水分离器上的阀门，开始回抽旧油，人工给汽车刹车油壶加油。
- 友情提示：如果装置接通电源后而不工作，则说明供电中断，检查设备内的调速器上的电子保险管，必要时重新更换保险管；调速器位置有图示范。

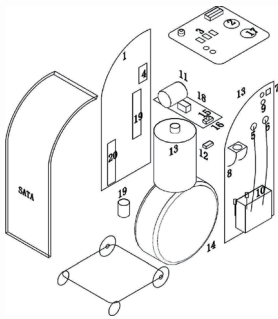
第五章 刹车换油专用转换接头 (全套)

简码	图片	适用车型	简码	图片	适用车型
①		奔驰、宝马、奥迪、大众、斯柯达、沃尔沃、路虎、捷豹、保时捷、别克、雪佛兰、福特、雪铁龙、标致、奇瑞、长安、长安马自达、海马汽车、比亚迪、荣威、雷诺、吉利、中华、长城、名爵、奔腾、雷克萨斯、广汽传祺、观致汽车等	⑨		东风风行系列
②		江维、现代、斯巴鲁、雷诺、东风一悦达起亚系列、荣威550、三菱、英菲尼迪、北汽新能源汽车等	⑩		日产尼桑系列
③		别克商务系列	⑪		五菱系列
④		福特一福克斯、部分奥迪、部分标致系列	⑫		长安系列
⑤		本田、比亚迪系列	⑬		东南 DX5、DX7、长安
⑥		丰田、金龙校车系列	⑭		天籁 2.0
⑦		别克、福特-嘉年华、一汽-马自达凯迪拉克、一汽奔腾系列	⑮		三菱、东南、菱悦
⑧		道奇、克莱斯勒、Jeep 系列			

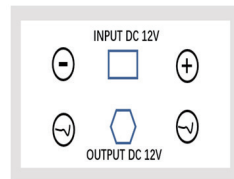
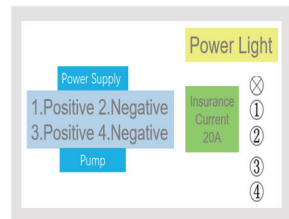
Chapter I Technical Parameter

- voltage: DC12V
- power: 120W
- pressure: 0-0.4Mpa (4Bar)
- oil filling: 3L / min
- volume: 4L
- weight: 45Kg plus or minus 1KG (net weight)

Chapter II BREAK OIL EXCHANGER STRUCTURE DIAGRAM



- | | |
|-----------------------------|--------------------------|
| 1 Case | 11 electric pump |
| 2 Pressure Gauge | 12 Vacuum Generator |
| 3 Circuit table | 13 Filling Bottle |
| 4 Driver | 14 Recycling Bottle |
| 5 Oil return silicone tube | 15 Sensor Holder |
| 6 Filling Tube | 16 Sensor |
| 7 Switch | 17 Vacuum Gauge |
| 8 Gas Port | 18 Electromagnetic Valve |
| 9 Indicator Light | 19 Aluminum Block |
| 10 Back-pumping rubber tube | |



Chapter III Overview

- AE5771 BREAK OIL EXCHANGER is an essential tool for the maintenance of hydraulic brakes and hydraulic clutches. It is currently used in a wide range of high-end equipment with hydraulic transmission, especially in the automotive industry.
- The device is robust in structure, widely used, high in automation, saves time and labor, meets the requirements of a single-person system to complete such work, and applies to all ABS anti-lock devices and hydraulic clutches.

Chapter IV Operational Precautions

- Visually inspect the device for damage before each use. If it is damaged, do not use it and ask a professional to repair it.
- The device is only used for the specified purpose - maintenance of hydraulic brakes and hydraulic clutches, and it is strictly forbidden to drain or fill other containers.
- This device is only suitable for the specified filling fluid, such as DOT3, DOT4, DOT5. Do not use other liquids (fuel, solvent, oil, etc.).
- The brake fluid dripping on the outer casing should be wiped off immediately. Otherwise, the surface may chemically react and affect the appearance.
- It is strictly forbidden to arrange the wipes with organic oil, fuel, and solvent on the device.
- To ensure the reliability and safety of the device, we recommended to let the professional perform maintenance regularly.

Correctly Adjust the Back-pumping Pressure

- When the device shipped out from the factory, the working pressure of the regulator is set to about 6KG. In addition, at a lower working pressure (as required by some models), the speed of the old pump can be slowed down, which can be fixed by adjusting the side regulator. It is also desirable to have a higher working pressure in a few exceptional cases.

Operation Process and Method
















Remove the sealing cap on the brake fluid filling port and inject fresh brake fluid (maximum filling capacity is about 4 liters); the liquid level display tube on the side of the device can show the filling position of the liquid;

- Connect the power cable to the power supply (DC12V does not distinguish between positive and negative). The device outlet pipe is connected to the brake oil tank of the vehicle through the matching joint. Fill the vehicle brake oil pot before connecting. Locate the wheel position and open the bleed screw, turn on the air supply and open the valve on the oil-water separator, start to pump back the old oil, and adjust the speed of the equipment to rotate slowly. The pressure is generally between 0.5 and 1KG. With flexibility, new oil begins to inject into the vehicle.
- Pay attention to the cover of the brake oil pot of the car. Do not overflow the oil. Observe the position of the new oil tank in the equipment. When the oil level does not see the oil, the gas is turned off. When the equipment has no oil, the buzzer sound, and close. Filling; This machine is equipped with a low oil alarm system. When the oil level drops to about 0.2-0.4 liter, the buzzer sound and stop to refuel.
- The device has a constant voltage limit function to set a high point, and then set a low point (generally set between 0.5-1). The pressure difference can be flexibly set between 0.5KG according to the demand of use;

Alternate Method

- If the joints do not match, use the following alternative method to change the oil.
 1. Set up the pumping pipe, Connect the four bright hoses to the vehicle wheel position bleed screw and open the bleeder screw
 2. Start the air supply and open the valve on the oil-water separator, start to pump back the old oil, and manually add fuel to the brake oil tank of the car.
- **Friendly reminder: If the device does not work after being powered on, it means the power interruption, check the electronic fuse on the governor inside the device, and replace the fuse if necessary; the position of the governor is shown in the figure;**

Chapter V BREAK OIL EXCHANGER ADAPTERS (Full Set)

Simple code	Picture	Applicable vehicle type	Simple code	Picture	Applicable vehicle type
①		Mercedes-Benz, BMW, Audi, Volkswagen, Skoda, Volvo, Land Rover, Jaguar, Porsche, Buick, Chevrolet, Ford, Citroen, Peugeot, Chery, ChangAn, ChangAn Mazda, Haima, BYD, Roewe, Renault, Geely, China Motor Corporation, GWM, MG, Pentium, Lexus, GAC Chuanqi, Qoros, etc.	⑨		FXAUTO
②		Jiangwei, Hyundai, Subaru, Renault, DYK series, Roewe 550, Mitsubishi, Infiniti, Beiqi New Energy Vehicle, etc.	⑩		NISSAN
③		Buick-MPV	⑪		SGMW
④		Ford-Fox, part of Audi, part of the Peugeot series	⑫		ChangAn
⑤		Honda, BYD series	⑬		Southeast-DX5、DX7、ChangAn
⑥		Toyota, King-Long	⑭		Scorpio 2.0
⑦		Buick, Ford-Carnival, FAW-Mazda Cadillac, FAW Pentium series	⑮		Mitsubishi, Southeast, Ling Yue
⑧		Dodge, Chrysler, Jeep Series			

用户须知 User Notice

亲爱的用户：

您好！感谢您选用我公司的产品，从现在开始，我公司将竭诚为您服务！

- 由于空间的距离，产品经过运输和装卸的震荡，而且因产地和您所在地的气候不同，以及产品在贵处的使用条件，使用方法不当等诸多因素的影响，可能出现一些意想不到的问题，这时请给我们来函或来电，详细说明故障情况，我公司将邮寄您所需的零部件，或派维修技师跟踪维修服务。

保修声明：

- 产品从购买之日起，在正常使用情况下壹年内如果出现质量问题，我公司负责保修或根据情况作适当处理。
- 超过保修期，或除保修范围之外的情况，可适收取成本费。
- 虽在保修期间，若有下列状况恕不免费维修：
 1. 非专业人员不合理的修整，或不按说明书操作、保养所造成的损失。本公司不负责保修，但将协助妥善处理。
 2. 由于天灾、移动、运送、跌落及使用电源电压异常造成故障。
 3. 消耗性零件，恕不保证。

Dear Customer:

Hi! Thank you for choosing our products. From now on, we will serve you wholeheartedly!

- Because of the distance, the product transportation and handling process shock, the climate differences, the use of the product in your place, the use of improper factors, and other factors, there may be some unexpected problems. Please send us a letter or call to explain the fault situation, our company will mail the parts you need, or send a service technician to track the repair service.

Warranty statement:

- From the date of purchase, if there is a quality problem within one year under regular use, our company is responsible for the warranty or appropriate treatment according to the situation.
- If it is beyond the warranty period, or the problem is out of the warranty cover range. We may charge a fee for the repairment depends on the situation.
- Although during the warranty period, the following conditions are not free of charge:
 1. The company is not responsible for the damage caused by the unreasonable repair of non-professionals, or the loss caused by the operation and maintenance of the instructions, but will assist in the proper handling.
 2. Failure due to natural disasters, movement, transportation, dropping, and abnormal use of the power supply voltage.
 3. Consumable parts are not guaranteed.

No. _____

Date _____

适用型号: AE5771
Model

版本号: V_AE_5771_1912
Version No

世达汽车科技（上海）有限公司
SATA Automotive Technology(Shanghai) Co., Ltd.
客户服务：上海市嘉定区南翔镇静塘路 988 号 5-12 幢
Customer Service: 5-12, No. 988, JingTang Road, Nanxiang
Town, Jiading District, Shanghai
邮编：201802 \ Zip: 201802
电话：(86 21) 6061 1919 \ Tel: (86 21) 6061 1919
传真：(86 21) 6061 1918 \ Fax: (86 21) 6061 1918