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# AUTOOL ATF705 Automatic Transmission Fluid Exchanger User Manual

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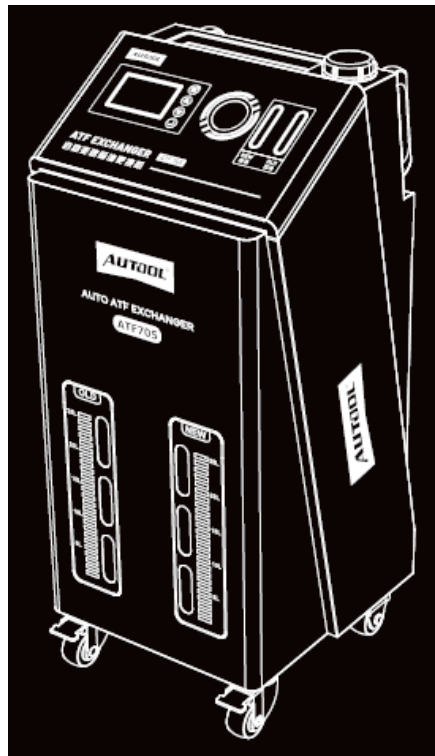
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# **ATF705 Automatic Transmission Fluid Exchanger**

## **AUTOOL ATF705 Automatic Transmission Fluid (ATF) Exchanger User Manual**



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# **SAFETY RULES**

## **General safety rules**

Always keep this user manual with the machine.

Before using this product, read all the operational instructions in this manual. If you have any questions, feel free to contact us or our dealers. Failure to follow them may result in electric shock and irritation to skin and eyes.

Each user is responsible for installing and using the equipment according to this user manual. The supplier is not responsible for damage caused by improper use and operation.

This equipment must only be operated by trained and qualified personnel. Do not operate it under the influence of drugs, alcohol, or medication.

This machine is developed for specific applications. The supplier points out that any modification and/or use for any unintended purposes is strictly prohibited.

The supplier assumes no express or implied warranties or liabilities for personal injury or property damage caused by improper use, misuse, or failure to follow safety instructions.

This tool is intended for professional use only. Non-professional operation may result in injury to personnel or damage to tools or workpieces.

Keep out of reach of children.

When operating, ensure nearby personnel or animals maintain a safe distance. Avoid working in rain, water, or damp environments. Keep the work area well-ventilated, dry, clean, and bright.

## **Handling**

Used/damaged equipment must not be disposed of in household waste but must be disposed of in an environmentally friendly manner. Use designated electrical equipment collection points.

Waste oil should be treated as hazardous waste, for example, it should be processed at a pollution recovery site.

## **Electrical safety rules**

Do not twist or severely bend the power cord. It may damage the internal wires. If the power cord shows signs of damage, do not use the products. Damaged cables pose a risk of electric shock. Keep the power cord away from heat sources, oil sources, sharp

edges, and moving parts. Damaged power cords must be replaced by the manufacturer, its technician, or similarly qualified personnel to prevent dangerous situations or injuries.

## **Equipment safety rules**

Never leave the equipment unattended when it is powered on. Always turn off the equipment at the main switch and disconnect the power cord when not in use for its intended purpose! Do not attempt to repair the equipment yourself.

Before connecting it to power, check that the socket voltage and fuse ratings match the values on the nameplate. Mismatch may cause serious hazards and equipment damage.

It is essential to protect the equipment from rainwater, moisture, mechanical damage, overload, and rough handling.

Application Before use, check whether the power supply line, connecting hoses, and adapters are damaged. Do not operate the equipment if damaged.

Use the equipment only in compliance with all safety instructions, technical documents, and vehicle manufacturer specifications.

When adding supplementary fluids, only use brand-new and unopened products.

## **Personnel safety rules**

The filling oil used in the equipment may be harmful to health and any contact must be avoided.

Always wear protective glasses when using the equipment to protect the eyes from possible splashes. In case of contact, rinse with running water for several minutes under open eyelids. If symptoms persist, consult a doctor.

Always wear protective gloves during work to avoid skin contact with oils. If skin contact occurs, wash immediately with soap and water. Remove contaminated clothing or shoes immediately. If swallowed, seek medical advice immediately.

The temperature of car engine exhaust pipes, radiators, and other parts can be quite

high. Operators should keep a safe distance from these hot components to prevent burns.

Always ensure that you have a stable footing so that you can safely control the equipment in unexpected situations.

## **CAUTIONS**

### **General safety**

For the correct use of the instrument, please read the full text of this manual carefully before use.

Do not use the “Equal Exchange” or “Add New Oil” functions when the device is not connected to the car; such actions are strictly prohibited. Do not add automatic transmission fluid or cleaning agents through the oil filling port while the device is in operation.

When storing the equipment, the tanks for new and old oil within the device must be empty. The old oil should be transferred to another container immediately after the equipment has finished working to avoid affecting the precision of the equal exchange.

The equipment must be placed on a level surface during operation to prevent the oil pump from failing to cleanly draw the oil from the tank. During the Equal Exchange of transmission fluid, except in emergencies, avoid turning off the engine and then restarting it. This helps prevent excessive voltage fluctuations when the engine starts, which could affect the accuracy of the equal exchange.

## **MAINTENANCE AND CARE**

- Pay attention to leaks at each connection point when exchanging the oil.
- After each operation, promptly drain the waste oil from the equipment's old oil tank and store the new oil in a container. This ensures that the electronic scale remains unloaded when not in use.

- Keep the new oil tank clean.
- If there are abnormal weight displays for the new and old oil, you can use the one-key zeroing function within the system parameters to zero the new and old oil electronic scales after draining the new and old oil tanks.
- If the problem persists after one-key zeroing, please contact customer service promptly to calibrate the new and old oil electronic scales. (If the equipment is different from what is described in the instructions, the actual operation should be based on the equipment itself.)

## **PRODUCT INTRODUCTION**

Introduction The AUTOOL ATF705 Automatic Transmission Fluid (ATF) Exchanger

- Machine can achieve fully automatic operation and complete high-precision, equal-quantity cleaning and oil replacement in a short time, with a fluid change rate of over 90%. Its control precision ensures the quality of the exchange between new and old transmission fluid, providing the ultimate protection for the vehicle's automatic transmission. With its intelligent process design, this equipment is an effective tool in the advanced maintenance of automotive operations.
- Any other use is considered beyond the intended purpose of the equipment and is prohibited.

## **Specifications**

Voltage DC 12V

Maximum power <150W

Pressure gauge 10kg/cm<sup>2</sup>

Outlet hose 2.5m

Oil return hose 2.5m



Oil tank 20L

Equal quantity replacement error <0.2kg

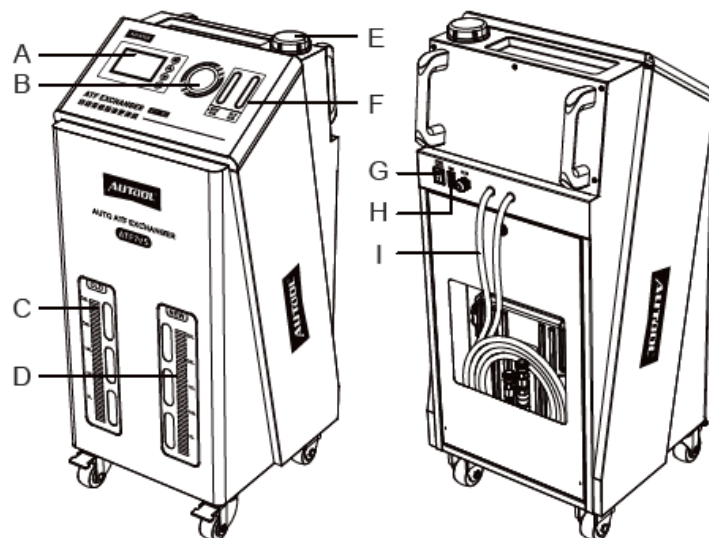
Noise <70db

## **Features**

- Automatic recognition of the direction of inlet/outlet oil, intelligent switching of the automatic transmission's fluid flow direction.
- Fully automatic completion of the replacement of new and old transmission fluid.
- Fully automated program control for high-precision, equal quantity exchange between new and old fluid.
- Fully automatic recognition of power supply polarity.
- Automatic transmission cycle cleaning functionality.
- Automatic adjustment of refilling quantity feature.
- Various specialized adapters compatible with European, American, Japanese, Korean, and domestic car models.
- Effectively solves the problem of incomplete manual replacement of transmission fluid.
- Enhances the working performance of the transmission.
- Extends the life of the transmission

## **PRODUCT STRUCTURE**

### **Structure diagram**



A Control Panel

B Oil Return Pressure Gauge

C Old Oil Level Window

D New Oil Level Window

E New Oil Filling Port

F New / Old Oil Window

G Power Switch

H Fuse

I Transmission Connection Hose

## OPERATIONS INSTRUCTION

### Preparation before operation

#### Connecting Power

- Connect the clamps to the two terminals of the car battery (DC12V; the device can automatically recognize the polarity).

#### Lifting the Car

- Raise the car so that the drive wheels are suspended at least 20cm off the ground. Engage the handbrake and place wheel chocks securely in front and behind the non-drive wheels to ensure the vehicle's stability.

#### Connecting the Hoses

- Find the connection oil pipe between the transmission and radiator and disconnect the

one that's easy to take apart.

- Connect the appropriate connectors from the connector box to the ends of the disconnected oil pipe.

- Connect the device's hoses to the connectors on the ends of the disconnected transmission oil pipes, without considering their direction of flow.

### **Check and Confirm**

- Start the engine and ensure that the hoses are secure and leak-free, then turn on the device's power switch.

## **FUNCTIONAL OPERATION**

### **Cycle cleaning**

1. Add cleaning fluid (if cleaning fluid is not added, flushing can be carried out through the circulation of new oil).

- Method one: Add cleaning fluid directly to the transmission (via the dipstick opening).

- Method two: Add cleaning fluid to the equipment and then add it to the transmission through the equipment.

- Ensure that the new oil tank in the equipment is empty, then add cleaning fluid to the new oil barrel through the equipment filling port (it's recommended to add more than 1L, and if the cleaning fluid is less than 1L, then add new oil to make up to 1L).

- Select the "Add New Oil" function.

- Set the amount of cleaning fluid to match the new oil display volume.

- Without starting the engine, select start to confirm.

- The cleaning fluid in the new oil tank will be automatically added to the transmission.

2. Select the "Cycle Cleaning" function, set the cleaning time, and then select start to

confirm the cleaning of the transmission and begin the countdown. Cleaning can also be stopped by pressing the stop button.

## **Important Tips**

To achieve the best cleaning results, the cleaning time should be set to more than 20mins.

During the Cycle Cleaning process, the engine should be running, and different gears should be switched during the cleaning process, depending on the situation. Stay in each gear for approximately one minute. When working in a high-speed gear, press the accelerator to reach a speed of 60 kilometers/hour or more to change the high-speed gear control oil route of the automatic transmission fluid.

## **Equal exchange of old and new oil**

- Add transmission fluid into the oil filler port of the equipment.
- Select the “Equal Exchange” function and set the amount of fluid to be exchanged.
- Start the vehicle’s engine, then select start to confirm and begin the exchange. The interface will dynamically display relevant parameters in real time.

## **Important Tips**

Make sure that the oil hoses are properly connected.

The set oil exchange volume must not be larger than the amount of oil in the new oil tank; otherwise, the machine will not operate.

During operating, set the oil replacement amount to be about 2L more than the automatic transmission’s rated oil volume. This ensures that the automatic transmission oil is thoroughly replaced, especially if cleaning fluid has been added to the transmission before. It can minimize the residual cleaning fluid’s damage to the seals.

During the replacement process, switch between different gears as needed, staying in

each gear for about a minute. When working in a high-speed gear, press the accelerator to reach a speed of 60 kilometers per hour or more to change the high-speed gear control oil route of the automatic transmission fluid.

## **Adding new oil**

Do not add new transmission fluid to the tank midway through this function's operation, as this will result in unequal amounts! If new fluid does need to be added, wait until this function has finished running.

When the vehicle's automatic transmission fluid level is insufficient, and a certain amount of new oil needs to be added to the rated value, you can run this function.

- Select the "Add New Oil" function and set the amount to be added.
- Select start to confirm and begin the exchange. The interface dynamically displays relevant parameters in real time.

## **Important Tips**

The set amount to be added must not be larger than the amount of oil in the new oil tank; otherwise, the machine will not operate.

Do not start the engine.

## **Recycling used oil**

When you need to recycle the used oil from the vehicle's automatic transmission back into the equipment, you can run this function.

## **Drain new oil**

- Select the "Recycle Used Oil" function and set the amount to be recycled.
- Start the vehicle's engine, select start to confirm and begin the exchange. The interface dynamically displays relevant parameters in real time.

- Select the “Drain New Oil” function, at which point the equipment’s oil hoses must not be connected to the vehicle.
- Select start to confirm and begin the exchange. The oil from the new oil tank will be drained into the old oil tank.

## **Draining used oil**

- Open the equipment’s back door, loosen the fixed strap on the old oil tank, remove all hoses from inside the old oil tank, and remove the old oil tank from inside the equipment. Drain the old oil.
- After draining, properly place the empty old oil tank on the weighing pan, insert the hoses, and secure them with straps.

# **MAINTENANCE SERVICE**

Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.

## **Maintenance**

- To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully
- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.
- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its service life.

- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable. Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.
- Adjust the clearance of various parts and replace worn (broken) parts. Avoid contact with corrosive liquids.
- When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

## **WARRANTY**

From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.

### **Warranty access**

- The repair or replacement of products is determined by the actual break down situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.
- These conditions below shall not be in warranty range
- The product is not purchased through official or authorized channels.

The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

## **Disclaimer**

- All information, illustrations, and specifications contained in this manual, AUTOOL reserves the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

## **RETURN & EXCHANGE SERVICE**

### **Return & Exchange**

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.
- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.
- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.
- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.



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## **EU DECLARATION OF CONFORMITY**

We as the manufacturer declare that the designated product: Auto ATF Exchanger  
(Model ATF 705)

Complies with the requirements of the:

CE-MD Committee Directive 2006/42/EC

RoHS Directive 2011/65/EU + 2015/863 + 2017/2102

Applied Standards:

EN 60204-1:2018, EN ISO 12100:2010

IEC 62321-3-1:2013, IEC 62321-5:2013, IEC 62321-4:2013+A1:2017, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-1:2013, IEC 62321-6:2015, IEC 62321-8:2017

Certificate No.: ZHT-230207010C, ZHT-230207011C

Test Report No.: ZHT-230207010S, ZHT-230207011R

Manufacturer 

EC	REP
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## Documents / Resources

	<p><a href="#">AUTOOL ATF705 Automatic Transmission Fluid Exchanger [pdf]</a> User Manual</p> <p>SDT101, ATF705 Automatic Transmission Fluid Exchanger, ATF705, Automatic Transmission Fluid Exchanger, Transmission Fluid Exchanger, Fluid Exchanger, Exchanger</p>
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## References

- [Tool Tech](#)
- [autooltech.com](#)
- [User Manual](#)

### AUTOOL

ATF705, ATF705 Automatic Transmission Fluid Exchanger, Automatic Transmission Fluid Exchanger, AUTOOL, Exchanger, Fluid Exchanger, SDT101, Transmission Fluid Exchanger

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**[AUTOOL LM55 Digital Temp Clamp User Manual](#)**

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