

AUTOOL AST603

AUTOOL AST603 Brake Bleeder Kit User Manual

Model: AST603

1. INTRODUCTION

The AUTOOL AST603 Brake Bleeder Kit is an advanced automotive tool designed for efficient and precise brake fluid replacement. This device features a built-in vacuum pump, allowing for one-person operation and ensuring an air-free filling process. Its adjustable pressure control and durable construction make it suitable for professional garages and DIY enthusiasts alike. This manual provides detailed instructions for the safe and effective use of your AST603 Brake Bleeder Kit.

2. SAFETY INFORMATION

WARNING: Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment, including safety goggles and chemical-resistant gloves, to prevent contact with brake fluid.
- Ensure the work area is well-ventilated to avoid inhaling fumes from brake fluid.
- Do not operate the device near open flames or sources of ignition. Brake fluid can be flammable.
- Always disconnect the power supply before performing any maintenance or cleaning.
- Keep children and unauthorized persons away from the work area.
- Ensure the power supply matches the device's requirements (110V).
- Do not exceed the maximum working pressure of 2.5 bar.
- Dispose of old brake fluid according to local environmental regulations.

3. WHAT'S IN THE Box

Upon unpacking, please verify that all components listed below are present and undamaged:

- AUTOOL AST603 Brake Bleeder Kit Main Unit
- Pressure Balance Hose
- Suction Hose

- Filling Hose
- Power Cable
- Standard Adapter
- Recovery Fluid Bottle (Oil Pot)



Image: AUTOOL AST603 Brake Bleeder Kit with all components, including the main unit, various hoses, power cable, adapter, and recovery fluid bottle.

CORROSION RESISTANT

Internal and external pipelines and components are made of corrosion-resistant materials, the quality is very stable to ensure long-term use without the influence of chemical substances.



Corrosion
Resistant



High
Flexibility



Excellent
Material



Long
Service Life



Image: Diagram illustrating the main components and their labels: Pressure Gauge, Power Indicator Light, Work Indicator Light, Start Button, Power Switch, Pressure Regulation Knob, Safety Device, Filling Hose, Pressure Balance Hose, Suction Hose, Power Cable, and Rear Base.

4. SETUP

1. Prepare the Work Area:

- Ensure the vehicle is on a level surface and securely supported.
- Gather all necessary tools and new brake fluid.
- Wear appropriate safety gear.

2. Connect Hoses to Main Unit:

- Connect the Pressure Balance Hose and Suction Hose to their respective ports on the main unit.
- Connect the Filling Hose to the designated port on the main unit.

3. Prepare New Brake Fluid Bottle:

- Place the new brake fluid reservoir (not included) in the holder of the brake fluid changer.
- Insert the suction hose and pressure balance hose into the new brake fluid bottle. The suction

hose feeds new brake fluid, and the pressure equalization hose returns excess pressure output.

4. Connect Power:

- Connect the power cable to the main unit and then to a 110V power outlet.

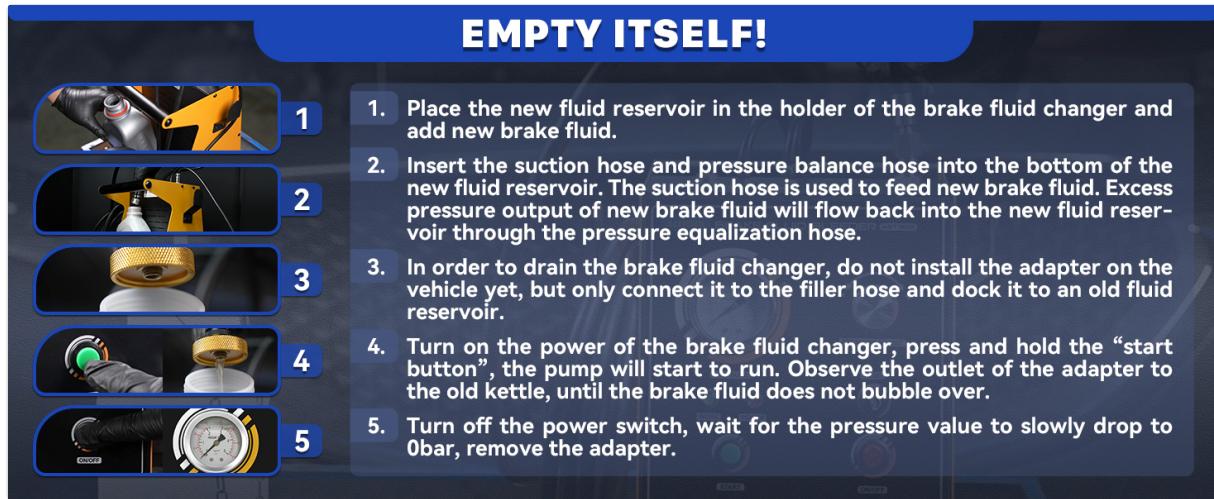


Image: Step 1 of setup, showing the pressure balance hose and oil suction hose being placed into a new brake fluid bottle.

5. OPERATING INSTRUCTIONS

Follow these steps for a successful brake fluid exchange:

1. Initial Purge (Emptying the Device):

- Before connecting to the vehicle, connect the filling hose to the filler hose and dock it to an old fluid reservoir (or a waste container). Do not install the adapter on the vehicle yet.
- Turn on the power switch.
- Press and hold the "START" button. The pump will begin to run.
- Observe the outlet of the adapter to the old kettle until the brake fluid does not bubble over, indicating air has been purged from the lines.
- Turn off the power switch and wait for the pressure value to slowly drop to 0 bar. Remove the adapter.

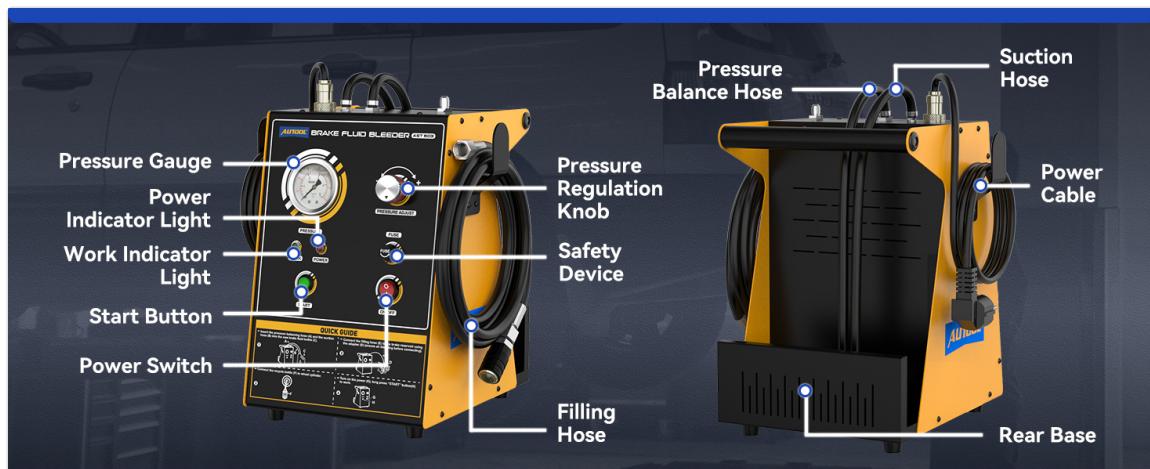


Image: Visual guide for purging the device: 1. Place new fluid reservoir. 2. Insert suction and pressure balance hoses. 3. Connect filling hose to old fluid reservoir. 4. Turn on power and press start. 5. Turn off power and remove adapter.

2. Connect to Vehicle:

- Connect the standard adapter to the brake fluid pump on your vehicle.
- Connect the recovery fluid bottle to the brake wheel cylinder of the wheel you are bleeding.

FLUID SHORTAGE & HIGH PRESSURE PROTECTION

Low Fluid Shutdown Protection Function
 New fluid bottle brake fluid consumption, the device will automatically stop, to avoid inhaling air into the brake system.



Adequate Brake Fluid



Filling Automatically Stops



Insufficient Brake Fluid

High Pressure Protection Design
 The product is set to limit the working pressure (2.5bar) to avoid misuse of the pressure caused by the surge and the potential safety hazards.



Automatically reduces and constantizes pressure

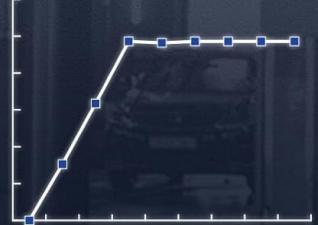




Image: Step 2 of operation, showing the filling hose being connected to the brake fluid pump via the adapter fitting.

OPERATION STEPS

1



Place the pressure balance hose and the oil suction hose into the new brake fluid bottle.

2



Connect the filling hose to the brake fluid pump via the adapter fitting.

3



Connect the recovery fluid bottle to the brake wheel cylinder.

4



Turn on the power and press and hold the start button to begin operation.

Image: Step 3 of operation, showing the recovery fluid bottle being connected to the brake wheel cylinder.

3. Adjust Pressure:

- Use the Pressure Regulation Knob to set the desired working pressure between 0.5 and 2.5 bar. The pressure gauge provides real-time monitoring.

ADJUSTABLE PRESSURE



Image: Close-up of the adjustable knob and pressure gauge, indicating the pressure range of 0.5-2.5 Bar.

4. Start Bleeding Process:

- Turn on the power and press and hold the "START" button to begin the operation.
- The device will automatically fill and bleed the brake system.
- Monitor the fluid coming out of the recovery bottle for air bubbles. Continue until only clean, bubble-free fluid is observed.
- The device features low fluid shutdown protection; it will automatically stop if the new fluid bottle is empty to prevent air from entering the system.
- It also has high pressure protection, automatically reducing and constantizing pressure if it becomes too high.

AUTOMATIC BRAKE BLEEDER



Image: Depicts the AST603 unit with a hand pressing the start button, highlighting its one-person operation capability and air-free filling.

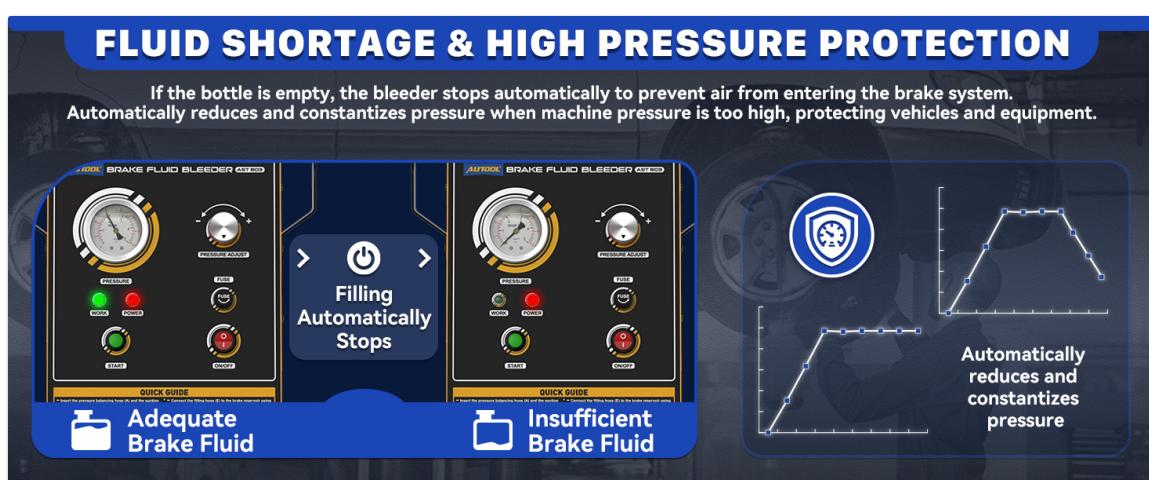


Image: Illustrates the automatic stop feature when brake fluid is insufficient and the automatic pressure reduction for high pressure protection.

5. Repeat for All Wheels:

- Repeat the process for each wheel, typically starting with the wheel furthest from the master cylinder and working towards the closest.
- The device supports replacing two tire fluids at the same time for improved efficiency.

OPERATION STEPS

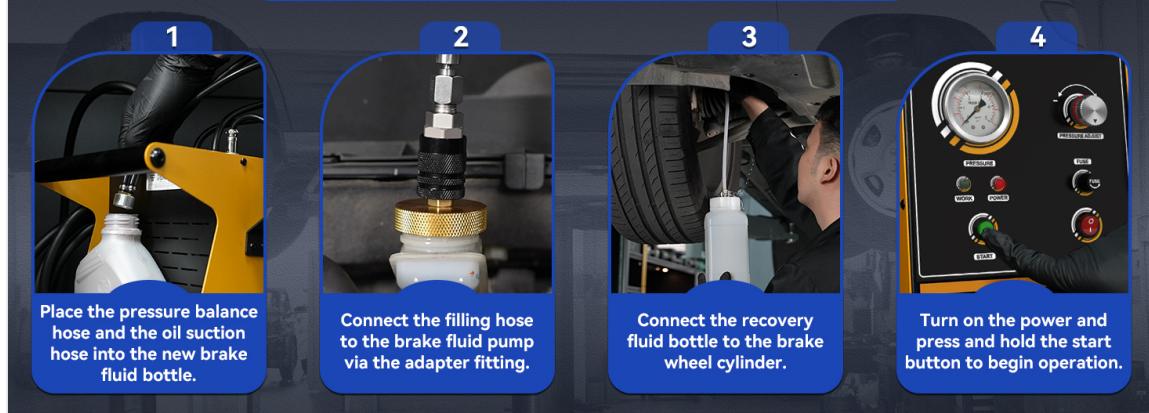


Image: Shows two recovery bottles connected to two wheels, demonstrating the capability for faster brake fluid changes by replacing fluid on two tires simultaneously.

6. Completion:

- Once all wheels are bled, turn off the power switch and disconnect all hoses.
- Ensure the brake fluid reservoir on the vehicle is filled to the appropriate level.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AST603 Brake Bleeder Kit:

• Cleaning:

- After each use, clean the exterior of the unit with a damp cloth.
- Rinse hoses and adapters thoroughly with clean water to remove any residual brake fluid.
- Ensure all components are dry before storage.

• Storage:

- Store the unit in a clean, dry place, away from direct sunlight and extreme temperatures.
- The recovery bottle can be stored within the fuselage for convenience.

• Inspection:

- Periodically inspect hoses and connections for signs of wear, cracks, or leaks. Replace any damaged components immediately.
- The internal and external pipelines and components are made of corrosion-resistant materials, but regular inspection is still recommended.

PACKING LIST



Image: Highlights the corrosion-resistant properties of the device's materials, ensuring long-term use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; Power cable not connected; Fuse blown.	Check power outlet; Ensure power cable is securely connected; Check and replace fuse if necessary.
No fluid flow or weak suction.	Hoses kinked or blocked; Insufficient new brake fluid; Air leak in connections.	Check hoses for obstructions; Refill new brake fluid; Tighten all connections.
Pressure not stable or too high/low.	Pressure adjustment knob incorrectly set; Internal pump issue.	Adjust pressure knob to desired range (0.5-2.5 bar); If problem persists, contact customer support.
Air bubbles continue to appear in fluid.	Air entering system through loose connections; Brake system still contains air.	Check and tighten all connections, especially at the vehicle's brake caliper; Continue bleeding until no bubbles are seen.

8. SPECIFICATIONS

Feature	Detail
Model	AST603
Power Supply	AC 110V
Working Pressure Range	0.5 ~ 2.5 Bar
Maximum Power	35W
Output Flow Rate	1.6 L/min
Output Pressure	0.7 ~ 2.5 Bar
Filling Hose Length	3.5m
Low Oil Protection	Supported
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-10°C ~ 65°C
Product Weight	5.19 kg (approx. 11.44 lbs)
Product Dimensions	12 x 12 x 14 inches (approx. 30.5 x 30.5 x 35.6 cm)

PRODUCT DETAILS

Power supply	AC 220V	Filling hose length	3.5m
Working pressure	0.5 ~ 2.5Bar	Low oil protection	Supported
Maximum power	35W	Operating temperature	-10°C ~ 60°C
Output flow rate	1.6L/min	Storage temperature	-10°C ~ 65°C
Output pressure	0.7 ~ 2.5Bar	Product weight	5.19kg



Image: Diagram showing the dimensions of the AST603 unit and a table summarizing its technical specifications.

9. WARRANTY AND SUPPORT

AUTOOL provides a comprehensive warranty and dedicated customer support for the AST603 Brake Bleeder Kit.

Warranty Information:

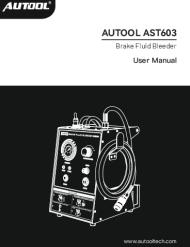
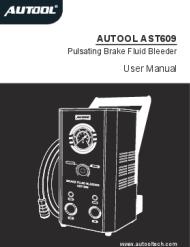
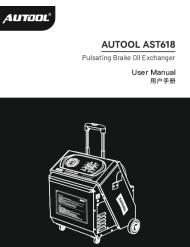
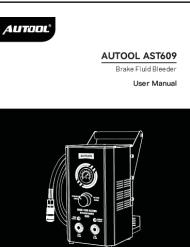
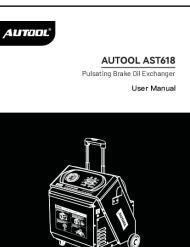
This product comes with a **Three Years Warranty**. In case of any quality problems or defects with your AST603, AUTOOL is committed to providing a new replacement or suitable solutions to ensure customer satisfaction without delay.

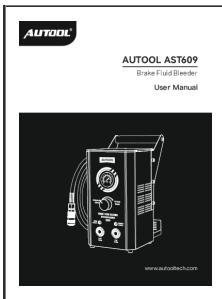
Technical Support:

Lifetime technical support is provided for this product. For any technical assistance, operational queries, or troubleshooting guidance, please do not hesitate to contact AUTOOL customer service. We aim to respond to all inquiries within 24 hours.

For support, please refer to the contact information provided on the official AUTOOL website or your purchase documentation.

Related Documents - AST603

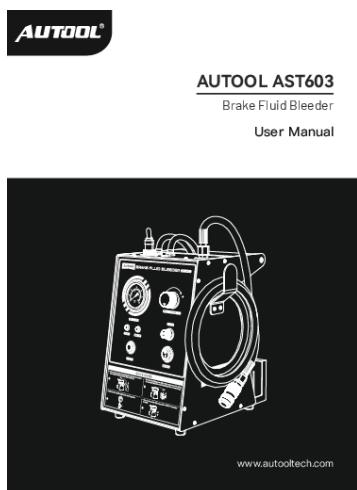
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[AUTOOL AST609 Brake Fluid Bleeder User Manual](#)

This user manual provides comprehensive instructions for operating, maintaining, and troubleshooting the AUTOOL AST609 Brake Fluid Bleeder. It covers safety precautions, product features, technical specifications, and warranty information.

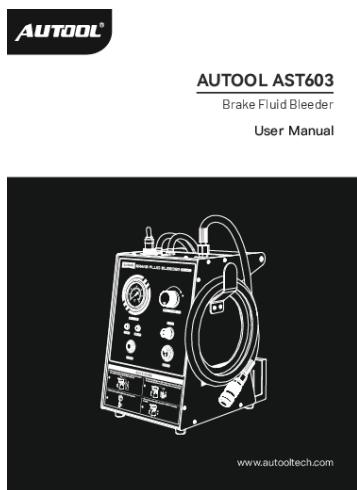
Documents - AUTOOL – AST603



[AUTOOL AST603 Brake Fluid Bleeder User Manual - Automotive Tool](#)

Comprehensive user manual for the AUTOOL AST603 Brake Fluid Bleeder. Covers safety, product introduction, operating procedures, maintenance, and warranty for efficient automotive brake fluid replacement.

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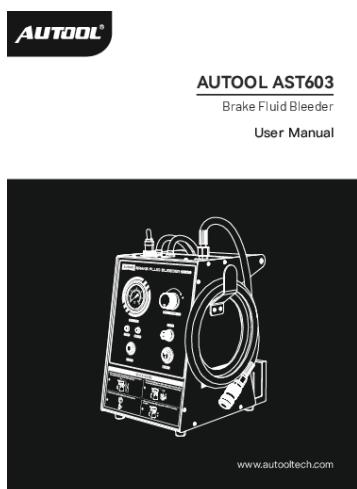


[\[pdf\] User Manual Instructions](#)

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Information..... 2

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