

OURANTOOLS AST605

OURANTOOLS AST605 Electric Brake Fluid Bleeder Instruction Manual

Model: AST605

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your OURANTOOLS AST605 Electric Brake Fluid Bleeder. Please read this manual thoroughly before use and retain it for future reference. This electric brake fluid bleeder is designed to facilitate the brake fluid exchange process in vehicles, offering an automatic and efficient solution.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the equipment and vehicle:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling brake fluid.
- Ensure the vehicle is stable and properly supported on a level surface before beginning any work.
- Operate the equipment in a well-ventilated area to avoid inhaling brake fluid fumes.
- Avoid direct contact with brake fluid, as it can irritate skin and eyes. In case of contact, rinse immediately with plenty of water.
- Disconnect the power supply to the unit before performing any maintenance or cleaning.
- Do not modify the equipment. Use only original accessories and parts.
- Keep children and unauthorized personnel away from the work area.

3. PRODUCT OVERVIEW

The OURANTOOLS AST605 is an electric brake fluid bleeder designed for efficient and automatic brake fluid exchange. It features a pulsation mechanism to prevent air bubble formation during fluid addition and includes a pressure control system for safe operation.

Key Features:

- **Automatic Operation:** Facilitates one-person brake fluid exchange.
- **Pulsation Mechanism:** Prevents air bubble formation during fluid addition.
- **Pressure Control:** Equipped with pressure monitoring; the pump automatically stops if pressure cannot be increased or if air is sucked in.
- **Recycling Bottle:** Integrated for easy transport and disposal of used fluid.
- **Versatile Adapters:** Compatible with a wide range of vehicles using 3 included adapters.

Components:

Refer to the image below for a visual representation of the main unit and its components.

1#	For Mercedes-Benz, BMW, Volkswagen, Skoda, Volvo, Land Rover, Jaguar, Bentley, Porsche, Buick, Chevrolet, Ford, Citroen, PEUGEOT, Chery, Changan, Mazda, BYD, Roewe, Renault, Geely, ZHONGHUA, Great Wall Motor, MG, Lexus, Cadillac etc.	
#6	For Toyota Series	
16#	For Tesla	

Figure 3.1: OURANTOOLS AST605 Electric Brake Fluid Bleeder with accessories.

SPECIFICATIONS

Power supply	110V/220V
Main unit dimensions	180x215x280mm
Package weight	5.3kg
Package dimensions	230x285x370mm
Output pressure	1.6-2.0bar
Output flow	≤1.5L/min

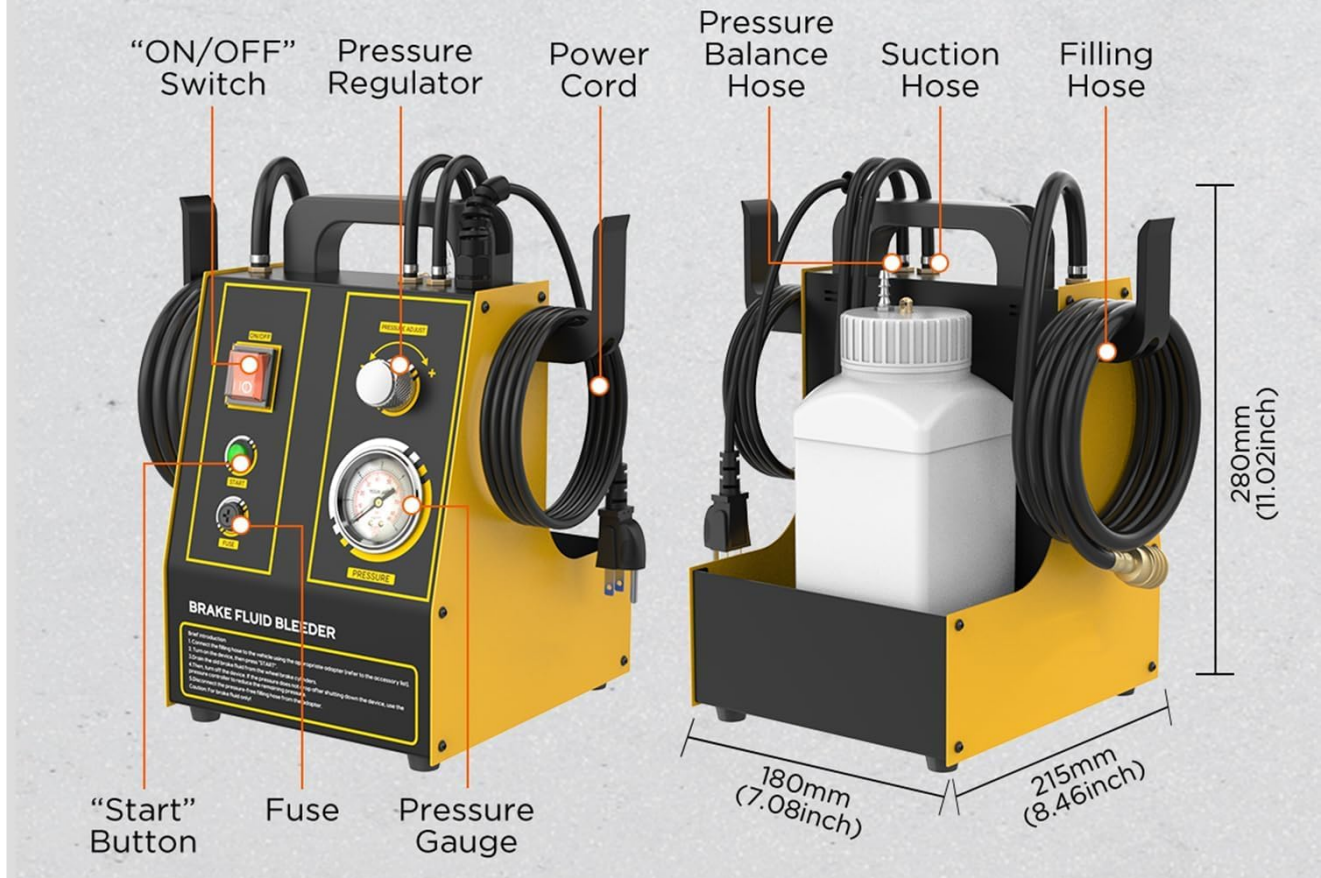


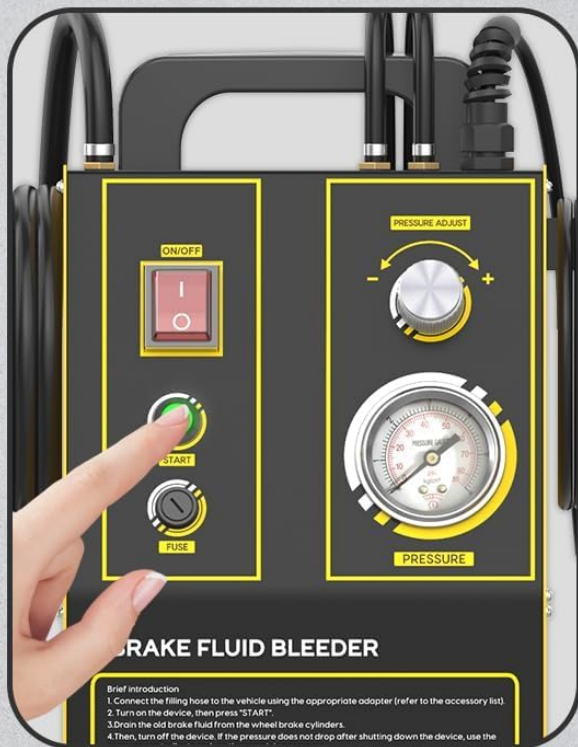
Figure 3.2: Detailed view of the AST605 components and their labels.

4. SETUP

Follow these steps to set up the AST605 Electric Brake Fluid Bleeder:

- 1. Prepare the Brake Fluid:** Open a new bottle of brake fluid. Connect the suction hose from the AST605 unit into the new brake fluid bottle.
- 2. Empty Air from Equipment:** Before connecting to the vehicle, ensure there is no air in the equipment. Turn on the unit, press the 'START' button, and allow any air to be purged from the system.
- 3. Access Brake Fluid Reservoir:** Unscrew the cap of the vehicle's brake fluid reservoir.
- 4. Select Adapter:** Choose the appropriate adapter from the three provided types that fits your vehicle's brake fluid reservoir. The adapters are designed for various vehicle brands (e.g., Mercedes-Benz, BMW, Volvo, Toyota, Tesla).

OPERATION PANEL



ONE-CLICK EXCHANGE

Brake Fluid exchanges after pressing the "Start" button for simple operation.



ADJUSTABLE PRESSURE

The brake fluid exchange pressure can be adjusted by turning the knob. The pressure range is 0.7-2.5Bar.

Figure 4.1: Brake fluid reservoir adapters for various vehicle types.

5. **Connect Adapter:** Securely connect the selected adapter to the vehicle's brake fluid reservoir. Then, connect the filling hose from the AST605 unit to this adapter.
6. **Lift Vehicle:** If necessary, lift the vehicle using a suitable lift to access the brake calipers and bleed screws.
7. **Connect Recovery Bottle:** Connect the fluid recovery bottle hose to the bleed screw of the wheel cylinder you intend to bleed first.



Figure 4.2: Connecting the suction hose to the brake fluid bottle.



Figure 4.3: Connecting the filling hose to the vehicle.



Figure 4.4: Connecting the recycling bottle to the brake fluid dispense pump.

5. OPERATING INSTRUCTIONS

Once the setup is complete, proceed with the brake fluid exchange:

1. **Power On:** Turn on the AST605 unit using the ON/OFF switch.
2. **Adjust Pressure:** Use the pressure adjustment knob to set the desired operating pressure. The pressure range is typically 0.7-2.5 Bar.

ONE-PERSON OPERATION, TIME-EFFICIENT & LABOR-FREE



Figure 5.1: Operation panel with one-click exchange and adjustable pressure features.

3. **Start Exchange:** Press the 'START' button to begin the automatic brake fluid exchange process. The unit will pump new fluid into the reservoir while simultaneously drawing old fluid into the recovery bottle.
4. **Monitor Process:** Observe the fluid flowing into the recovery bottle. Continue the process until clean, new brake fluid is visible, indicating that all old fluid has been replaced.
5. **Complete Exchange:** Once the exchange is complete, turn off the AST605 unit.
6. **Disconnect:** Disconnect the recovery bottle hose from the wheel cylinder, then remove the adapter from the brake fluid reservoir. Securely replace the brake fluid reservoir cap.
7. **Lower Vehicle:** Carefully lower the vehicle from the lift.

Operation Demonstration Video:

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Video 5.1: A demonstration of the OURANTOOLS AST605 Electric Brake Fluid Bleeder in operation, showing the connection of hoses, starting the unit, and the fluid exchange process.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AST605 unit:

- **Cleaning:** After each use, clean the exterior of the unit and all hoses and adapters with a damp cloth. Ensure no brake fluid residue remains.
- **Storage:** Store the unit in a dry, clean, and safe environment, away from direct sunlight and extreme temperatures.
- **Hose and Connection Inspection:** Periodically inspect all hoses, connections, and adapters for signs of wear, cracks, or damage. Replace any damaged components immediately.
- **Fluid Disposal:** Dispose of used brake fluid responsibly according to local environmental regulations.

7. TROUBLESHOOTING

If you encounter issues during operation, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Blown fuse; Damaged power cord.	Check power connection; Replace fuse (refer to Figure 3.2 for fuse location); Inspect power cord for damage.
Low or no pressure during operation.	Insufficient brake fluid; Air in the system; Loose connections; Pump malfunction.	Ensure sufficient brake fluid in the supply bottle; Re-prime the system to remove air; Check all hose connections for tightness; Contact support if pump is faulty.
Pump stops automatically.	Safety feature activated due to low pressure or air intake.	Check brake fluid level; Ensure all connections are secure and no air is being drawn into the system.
Brake fluid leaks from connections.	Loose connections; Damaged O-rings or hoses.	Tighten all connections; Inspect and replace any worn or damaged O-rings or hoses.

8. SPECIFICATIONS

Technical specifications for the OURANTOOLS AST605 Electric Brake Fluid Bleeder:

Specification	Value
Manufacturer	OURANTOOLS
Model Number	AST605
Power Supply	110V/220V
Watts	35 Watts
Main Unit Dimensions (L x W x H)	180 x 215 x 280 mm
Item Weight	5.34 Kilograms
Output Pressure	1.6-2.0 Bar
Output Flow	≤1.5 L/min

Specification	Value
First Available Date	January 11, 2021

9. WARRANTY AND SUPPORT

OURANTOOLS provides the following warranty and support for the AST605 Electric Brake Fluid Bleeder:

- **Main Unit Warranty:** 3 years from the date of product receipt by the customer.
- **Accessories Warranty:** 1 year from the date of product receipt by the customer.
- **Customer Support:** 24-hour email support is available to assist with any usage issues or inquiries.

For warranty claims or technical assistance, please contact OURANTOOLS customer service via the contact information provided with your purchase.