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ANCEL BR2000 Elite

ANCEL BR2000 Elite Brake Bleeder Kit Instruction Manual

Model: BR2000 Elite | Brand: ANCEL

INTRODUCTION AND OVERVIEW

The ANCEL BR2000 Elite is a professional-grade, one-person brake bleeder kit designed for efficient and precise brake fluid exchange in 4-wheel ABS and hydraulic systems. This portable 12V powered unit simplifies brake maintenance, ensuring thorough fluid replacement and air removal.

Key features include digital precision for complex ABS systems, advanced pulse technology for effective air removal, and a universal fit with 12 adapters for various vehicle types.



Figure 1: The ANCEL BR2000 Elite in operation, highlighting its one-person functionality compared to traditional methods.

SAFETY INFORMATION

Always prioritize safety when performing brake fluid exchange. Read and understand all instructions before use. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.

- Ensure the vehicle is stable and properly supported before beginning any work.
- Use only the recommended brake fluid type for your vehicle. Refer to your vehicle's service manual.

- Brake fluid is corrosive. Avoid contact with skin, eyes, and painted surfaces. In case of contact, rinse immediately with plenty of water.
- Do not mix different types of brake fluid unless specified by the manufacturer.
- This product is for 12V passenger vehicles only. Not compatible with 24V commercial/heavy-duty vehicles.
- Ensure your vehicle's brake system supports pressure exchange. This product uses pressurized pulse technology and is NOT compatible with vehicles requiring manual-only bleeding.
- Inspect the brake system for leaks or damage before and after service. This product is for maintenance, not repair of existing faults.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Brake Fluid Exchange Machine *1
- User Manual *1
- Power Cable *1
- 2.5L / 0.66 Gal New Fluid Bottle *1
- 1L / 0.27 Gal Waste Fluid Bottle *4
- Full Pack of Adapters Box *1 (Includes 12 pro adapters for American, European, and Asian vehicles)



Figure 2: Detailed view of the ANCEL BR2000 Elite package contents.

SETUP

1. Prepare the Vehicle:

Lift the vehicle safely using a hoist or jack stands. Remove all four wheels to access the brake calipers. Ensure the vehicle is stable.



Figure 3: The ANCEL BR2000 Elite kit components.

2. Connect Power:

Connect the provided power cable to the 12V DC input on the ANCEL BR2000 Elite machine. Attach the alligator clips to your vehicle's 12V battery (red to positive, black to negative).

3. Fill New Fluid Bottle:

Pour fresh, compatible brake fluid into the 2.5L new fluid bottle. Ensure the fluid level is sufficient for the entire bleeding process.

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Video 1: Demonstrates filling the new fluid bottle and connecting the brake fluid pump. This video is from LUTIFIX and shows the AST603 model, which has similar setup steps.

4. Select Master Cylinder Adapter:

Choose the correct adapter from the adapter box that fits your vehicle's brake fluid reservoir. Securely attach it to the reservoir opening.

COMES WITH 12+ ADAPTERS FOR MOST VEHICLES MODELS

No.	Picture	Vehicle Makes	⑥		For TOYOTA Series
①		For Mercedes-Benz, BMW, AUDI/VW/SKODA/SEAT, Porsche, VOLVO, SAAB, Land Rover/Jaguar, FORD, GM, Buick, Chevrolet, Citroen, Renault, Peugeot, MG, Mazda, Lexus, etc	⑦		For BUICK, FORD Fiesta, MAZDA, Cadillac
②		For Hyundai, KIA, Subaru, Mitsubishi, Infiniti, Renault, ROEWE	⑧		For Dodge, Chrysler, JEEP
③		For BUICK Century	⑨		For NISSAN
④		For FORD Focus, FORD Edge, Some AUDI, Some Peugeot	⑩		For SUZUKI
⑤		For HONDA, BYD	⑪		For NISSAN Teana, NISSAN Qashqai, NISSAN Rogue, JAC
			⑫		For Mitsubishi

*2 Tesla Adapters (one for Model 3/Y & one for Model S/X) are optional and available for enquiry.

Figure 4: Adapter set for various vehicle makes and models.

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Video 2: Shows the process of selecting and attaching the correct adapter to the brake fluid reservoir. This video is from LINXINO and shows a similar brake bleeder kit.

5. Connect Fluid Lines:

Connect the new fluid input hose from the machine to the master cylinder adapter. Connect the waste fluid output hose from the machine to one of the 1L waste fluid bottles.

EFFORTLESS 5-STEP PROCESS

Go from Beginner to Pro in Minutes



STEP 1: PREPARE

Connect to 12V power and fill the new fluid bottle.



STEP 2: CONNECT

Attach to the master cylinder and all four wheel bleeders.



STEP 3: SET & START

Select safe pressure (1-1.5 Bar) and begin automatic exchange.



STEP 4: CONFIRM

Tighten bleeders as soon as clean, bubble-free fluid appears.



STEP 5: RELEASE & FINISH

Safely vent system pressure with one button press.

* For full details, please refer to the user manual.

Figure 5: Overview of the brake fluid exchange process.

OPERATING INSTRUCTIONS

1. Power On and Set Pressure:

Turn on the ANCEL BR2000 Elite machine. Use the digital control panel to set the desired pressure (typically 1-1.5 BAR or 15-22 PSI). Refer to your vehicle's service manual for the recommended pressure. The machine features dual pressure monitoring with both a mechanical gauge and digital display.

DUAL PRESSURE MONITORING

CANCEL BR2000 Elite



PRESSURE SAFE ZONE
1 - 1.5 BAR

MECHANICAL GAUGE
Analog Readout, Always Active



DIGITAL DISPLAY
Precise Control & Monitoring

ADJUSTABLE SETTINGS
Customize for Any Vehicle

See. Control. Protect.

Prevent costly ABS damage with precise, visible pressure control.

Figure 6: Digital control panel and mechanical gauge for pressure management.

2. Connect Waste Bottles to Calipers:

Attach a 1L waste fluid bottle to the bleeder screw of the brake caliper furthest from the master cylinder. Repeat for all four wheels if performing a full 4-wheel flush. The kit includes special bleeder caps that securely fit over the bleeder screws to prevent leaks.

TRUE ONE-MAN BRAKE SERVICE



No Helper Needed. Professional Results Guaranteed.
Flush all four wheels efficiently and safely, by yourself.

SIMPLE 3-STEP PROCESS

STEP 1



CONNECT
Link to Caliper

STEP 2



POWER & PRESS
Plug In & Start

STEP 3



WATCH & RELAX
Monitor The Flow

Figure 7: Connecting the waste bottle to the caliper.

3. Start Bleeding Process:

Press the START button on the machine. The machine will begin to pressurize the system and push new fluid through, forcing old fluid and air out into the waste bottles. Monitor the fluid coming out of each caliper. The patented pulse technology helps effectively evacuate air bubbles.



Figure 8: Visual representation of air removal and fluid clarity.

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Video 3: Demonstrates the easy one-person operation of the ANCEL BR2000 Elite during brake fluid exchange.

4. Monitor Fluid and Close Bleeder:

Once clean, bubble-free fluid is observed flowing into the waste bottle from a caliper, close the bleeder screw for that caliper. Proceed to the next caliper, working your way towards the master cylinder (typically furthest to closest). The dual-line isolation system ensures new and old fluids never mix within the machine.

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Figure 9: Dual-line isolation system for fluid integrity.

5. One-Touch Pressure Release:

After completing the bleeding process for all calipers, press the one-click pressure relief button on the machine to safely depressurize the system. This minimizes mess and risk during disconnection.

ONE-TOUCH PRESSURE RELEASE

**Without:
Risk of Splash**

**With:
Total Control**

**No Mess. No Risk. No Fuss.
Safely depressurize the system with a single click after service.**

Figure 10: One-touch pressure release for safe disconnection.

6. Final Checks:

Remove all adapters and hoses. Replace the master cylinder cap. Check the brake fluid level and top off if necessary. Pump the brake pedal several times to ensure a firm pedal feel. Inspect all connections for any leaks. Lower the vehicle and test brakes in a safe environment.

MAINTENANCE

Proper maintenance of your ANCEL BR2000 Elite will ensure its longevity and optimal performance:

- **Cleaning:** After each use, purge the pump and lines with air to remove any residual brake fluid. This prevents corrosion

and contamination.

- **Storage:** Store the machine and all accessories in the durable protective case in a clean, dry place.
- **Hose Inspection:** Regularly inspect hoses for kinks, cracks, or wear. Replace if damaged.
- **Bottle Care:** Clean waste fluid bottles after use. The reusable design helps reduce plastic waste.



Figure 11: Maintenance features for a clean fluid change.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No pressure build-up	Loose connections, low fluid in new fluid bottle, power issue.	Check all hose connections and master cylinder adapter. Ensure new fluid bottle has sufficient fluid. Verify 12V power connection.
Fluid leaks from connections	Improperly seated adapter, loose hose fitting.	Ensure master cylinder adapter is tightly secured. Check all quick-connect fittings and tighten if necessary.
Air bubbles persist	Air in the system, insufficient bleeding time.	Continue bleeding until no more bubbles are observed. Ensure new fluid bottle does not run dry.
Spongy brake pedal after bleeding	Air still in the system, improper bleeding sequence.	Re-bleed the system, ensuring proper sequence (furthest caliper first). Check for any leaks in the brake lines.

SPECIFICATIONS

- **Model:** BR2000 Elite
- **Manufacturer:** ANCEL
- **Item Weight:** 15.93 pounds
- **Package Dimensions:** 15.2 x 13.82 x 11.73 inches
- **Power:** 12V DC (vehicle battery powered)
- **New Fluid Capacity:** 2.5L / 0.66 Gal

- **Waste Fluid Capacity:** 1L / 0.27 Gal (per bottle, 4 included)
- **Adapters:** 12 professional adapters included for universal vehicle compatibility



Figure 12: Design features for professional use.

WARRANTY AND SUPPORT

The ANCEL BR2000 Elite Brake Bleeder Kit comes with a one-year warranty. For technical support, troubleshooting assistance, or warranty claims, please contact ANCEL customer service. Refer to the contact information provided in the included User Manual or visit the official ANCEL website.