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## CCLIFE 2101

# CCLIFE Brake Bleeder Kit

Model: 2101

## INTRODUCTION

Thank you for choosing the CCLIFE Brake Bleeder Kit, Model 2101. This kit is designed for efficient brake fluid changing and vacuum testing on various vehicle components. Please read this manual thoroughly before use to ensure safe and proper operation. Keep this manual for future reference.

## SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when working with brake fluid.
- Brake fluid is corrosive. Avoid contact with skin, eyes, and painted surfaces. In case of contact, rinse immediately with plenty of water.
- Dispose of used brake fluid according to local environmental regulations. Do not pour it down drains or onto the ground.
- Ensure the vehicle is securely supported on a level surface using jack stands before working underneath it.
- Do not exceed the maximum vacuum pressure indicated on the gauge.
- Keep children and pets away from the work area.

## PACKAGE CONTENTS

The CCLIFE Brake Bleeder Kit, Model 2101, includes the following components:

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The complete kit stored in its durable blue plastic case.

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All kit components, including the pump, reservoir, hoses, and adapters, laid out.

- 1x Vacuum Pump with Integrated Pressure Gauge

- 1x Fluid Collection Reservoir
- Various Hoses (different lengths)
- 6x Adapters for Brake Bleeder Valves
- 2x Cone Hose Adapters
- 1x T-shaped Hose Adapter
- 1x Straight Hose Adapter
- 1x Universal Shell Adapter
- 1x Durable Plastic Storage Case



A visual guide to the different types of adapters provided for versatile use.

## SETUP

1. **Inspect Components:** Before each use, check all hoses, adapters, and the pump for any signs of damage or wear. Ensure all connections are clean and free of debris.
2. **Assemble Collection Reservoir:** Connect one of the clear hoses to the vacuum pump's inlet port. Connect the other end of this hose to the lid of the fluid collection reservoir.
3. **Attach Bleeding Hose:** Connect a second clear hose to the outlet port of the fluid collection reservoir. This hose will connect to the brake bleeder valve.
4. **Select Adapter:** Choose the appropriate adapter from the kit that fits your vehicle's brake bleeder valve. Attach it securely to the end of the bleeding hose.

## OPERATING INSTRUCTIONS

### Brake Fluid Bleeding

1. **Prepare Vehicle:** Ensure the vehicle is on a level surface and the parking brake is engaged. Open the hood and locate the brake fluid reservoir.
2. **Top Up Reservoir:** Fill the brake fluid reservoir to the MAX line with new, clean brake fluid of the correct type for your vehicle.
3. **Connect to Bleeder Valve:** Attach the selected adapter and hose assembly to the brake bleeder valve on the wheel cylinder or caliper. Start with the wheel furthest from the master cylinder (typically the rear passenger side).
4. **Apply Vacuum:** Pump the handle of the vacuum pump repeatedly to create a vacuum. Observe the gauge; a typical bleeding vacuum is around 10-15 inHg (250-380 mmHg).
5. **Open Bleeder Valve:** While maintaining vacuum, slowly open the brake bleeder valve (usually 1/4 to 1/2 turn). Old brake fluid and air bubbles will be drawn into the collection reservoir.
6. **Monitor Fluid:** Continuously monitor the fluid flowing into the reservoir. Close the bleeder valve when the fluid runs clear and free of air bubbles.
7. **Maintain Reservoir Level:** Regularly check the vehicle's brake fluid reservoir and top it up as needed to prevent air from entering the system.
8. **Repeat for All Wheels:** Repeat the process for each wheel, moving closer to the master cylinder (e.g., rear driver, front passenger, front driver).
9. **Final Check:** After bleeding all wheels, ensure all bleeder valves are tightened, and the brake fluid reservoir is filled to the correct level. Test the brake pedal for firmness before driving.

The vacuum pump in its relaxed state and when the handle is squeezed to create vacuum.

Demonstration of the brake bleeder kit being used on a vehicle.

## Vacuum Testing

The vacuum pump can also be used to test various vacuum-operated components in your vehicle, such as EGR valves, PCV valves, and vacuum regulators. Connect the pump directly to the component's vacuum line and apply vacuum. Observe the gauge for pressure stability to detect leaks or malfunctions. The wide pressure range of -30-0inHg / -760-0mmHg allows for precise vacuum condition verification.

Detailed view of the vacuum pump, highlighting the pressure gauge and hose connection.

## MAINTENANCE

- **Cleaning:** After each use, thoroughly clean the collection reservoir, hoses, and adapters with appropriate cleaning agents to remove all traces of brake fluid. Rinse with water and allow to dry completely.
- **Pump Care:** Wipe the vacuum pump clean with a damp cloth. Do not immerse the pump in water or cleaning solutions.
- **Storage:** Store all components in the provided plastic case in a clean, dry place, away from direct sunlight and extreme temperatures. This durable design ensures comfortable portability and protection.
- **Inspection:** Periodically inspect the pump's seals and O-rings for wear. Replace if necessary to maintain proper vacuum.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No vacuum or low vacuum reading	Loose connections, damaged hose, worn pump seals, clogged adapter.	Check all hose connections for tightness. Inspect hoses and adapters for cracks or blockages. Check pump seals and replace if worn.
Brake fluid not flowing into reservoir	Bleeder valve not open, adapter not sealing correctly, insufficient vacuum.	Ensure bleeder valve is open. Verify adapter fit and seal. Increase vacuum by pumping more.
Air bubbles continue to appear	Brake fluid reservoir too low, air leak in connections, bleeder valve not fully closed after previous cycle.	Top up brake fluid reservoir. Re-check all connections for leaks. Ensure bleeder valve is fully closed between bleeding cycles.

## SPECIFICATIONS

**Model:** 2101

**Brand:** CCLIFE

**Item Weight:** 700 g

**Product Dimensions (L x W x H):** 30 x 23 x 8 cm

**Pressure Measurement Range:** -30-0 inHg / -760-0 mmHg

**Country of Origin:** China



Detailed view of the pressure gauge, indicating measurement units in inHg and mmHg.

## **WARRANTY AND SUPPORT**

For warranty information, technical support, or replacement parts, please refer to the official CCLIFE website or contact CCLIFE customer service directly. Details can typically be found on the product packaging or the manufacturer's official channels.

**Contact Information:** Please visit [CCLIFE's Amazon Store](#) for more information or to contact support.