
Pulsating Brake & Clutch Bleeder
12-Volt & Adaptor Set



Information

- The Pulsating Brake & Clutch Bleeder 12 Volt & Adaptor Set is controlled by micro controller unit which can control the fluid pressure, fluid flow, and working time accurately.
- The high level of automation allows a single person to operate. Convenient, time-saving and labour-saving.
- WELZH 4266-WW represents the highest technology in the Automotive maintenance field. This product is widely used and suitable for the replacement of various kinds of oil and fluid.
- Can be used on a range of vehicles including Mercedes-Benz, Nissan, VAG group, PSA, Opel, Hyundai, and many others.

Precautions

- Always wear safety gear.
- Working in a clean and safe environment.
- This task should be carried out by trained personnel.
- Make sure to consult manufacturers manual.
- Do NOT use with air tools.

Features

- New & used oil flow through different pipelines to prevent cross contamination.
- Air inlet contains a filter that separates water and air to prevent oil mixing with other substances.
- Extends service life and improves braking system performance.
- Corrosion resistant oil hose.
- Pulley wheels for easy transportation.
- Hook for storing hose.
- Stainless steel oil pot.

Input Voltage: DC 12V.

Power: 30W.

Oil Change Speed 0.5-1L/min.

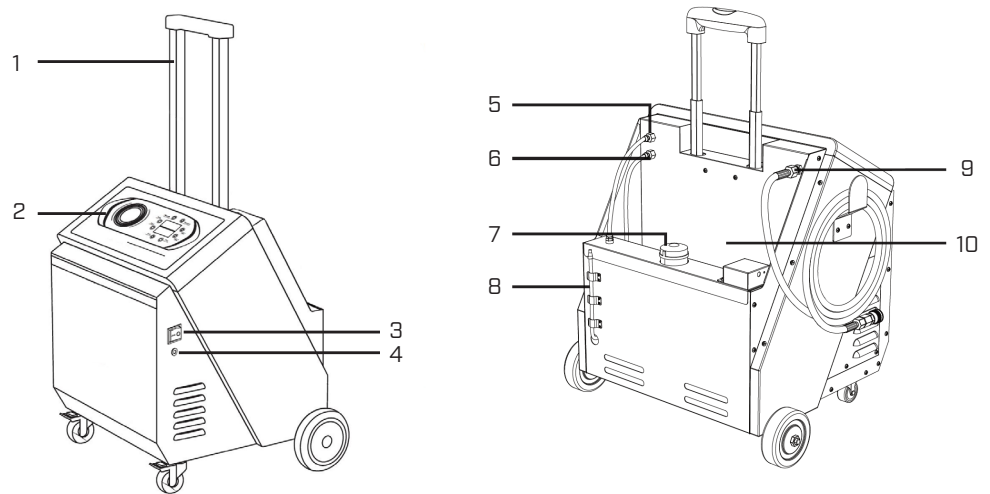
Pressure Range: 0.6-3kg/cm².

Maximum Volume: 3L.

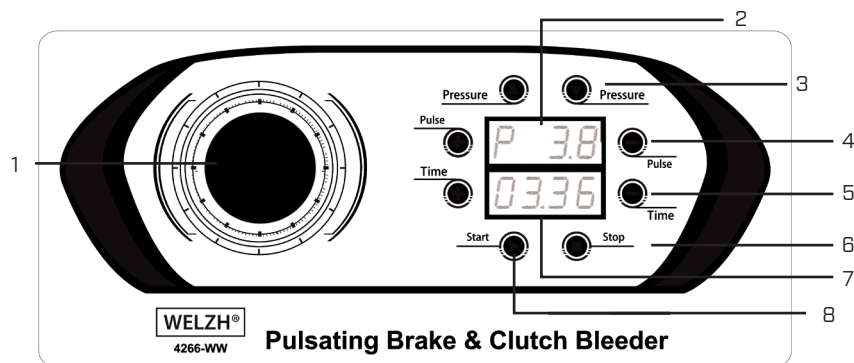
Power Cord Length: 3.5m.

Oil Tube Length: 3.5m.

1. Handle.
2. Control panel.
3. Power Switch.
4. Power Interface.
5. Oil Outlet Tube.
6. Oil Inlet Tube.
7. Oil Filling Port.
8. Level Gauge and Drain Port.
9. Oil Pipes and Quick Connector.
10. Fluid Storage Tank.



1. Pressure Gauge.
2. Pulse Adjustment Display.
3. Pressure Adjustment.
4. Pulse Adjustment.
5. Work Time Adjustment.
6. Relief Pressure and Stop.
7. Pulse Adjustment Display.
8. Pause and Start.



Instructions

Adjusting Working Pressure

The pressure regulator is pre-set as 1.5kg/cm² to prevent damage to the reservoir tank while changing fluids. This provides a low working pressure [which can be adjusted via the pressure settings] and maintains the secondary sealing ring's capacity.

WARNING: High pressure can cause damage to the clutch master cylinder of the braking system.

Instructions

Low Pressure Sealing Performance Test

- 1) Close all air valves.
- 2) Connect the device to the reservoir tank using an adaptor.
- 3) Set the working pressure of the device to the required pressure of the car model.
- 4) The air in the braking system will pressurize accordingly.
- 5) Check the master cylinder and braking pipelines for leakage.
- 6) If the brake fluid overflows, it indicates that the braking system is not entirely sealed.

Instructions

You do not need to start the vehicle.

- 1) Pour an appropriate amount of brake fluid into the device's storage tank.
- 2) Connect the device to a 12V car battery and switch it on.
- 3) Press 'START.' When the pressure is stable use the + or - buttons for adjusting the appropriate pressure and pulse. If everything is correct, press 'STOP' when the process is completed.
- 4) Select the appropriate adaptor from the kit (refer to list below) and attach it to the quick connector of the oil outlet tube.
- 5) Press 'START' until the new brake fluid is drained from the oil outlet tube.
- 6) Press 'STOP' when all the air has bled out of the device.
- 7) Tighten the cap of the storage tank immediately.






NOTE: The first time using the device, it must be bled out first. Drain the brake fluid into oil bottles.









- 8) Fill the new brake fluid into the car reservoir until it is about to overflow.
- 9) Select the appropriate adaptor from the kit (refer to list below) and attach it to the filler of the reservoir on the brake master cylinder. Tightly install so there is no air inside.
- 10) Lift the car and ensure the wheels are completely off the ground.
- 11) Attach the four oil bottles provided to the car brake sub-cylinders. Loosen the outlet screw of the sub-cylinders so the fluid can easily flow out.
- 12) Press 'START' to exchange the brake fluid.
- 13) Check the oil bottles of each sub-cylinder. Adjust the pressure or pulse if needed to regulate the exchanging efficiency. The default setting for fluid exchange is 1 minute. If the exchange is not completed within that time, press 'START'. If the device runs out of fluid it will alert the user before automatically stopping. Refill the brake fluid and press 'START' to continue the exchange.
- 14) When the brake fluid is replaced, press 'STOP PRESSURE' and wait for 10 seconds. The pressure on the gauge should go to zero. If there is pressure, press the 'STOP PRESSURE' multiple times until it goes to zero. Remove the joints and oil pipes connected to the vehicle.

- 15) When the process is completed, check that the oil in the tank is completely drained. This is to prevent damage to the vacuum pump and ensure the oil change is completed successfully. If there is brake fluid remaining it must be drained from the tank. Press 'START' multiple times until it is drained from the outlet tube. If there is a low level of liquid, it can be manually cleared from the drain port.

NOTE: Check connections' parts during the process for oil leakage or damaged connecting hose. Make sure the oil fill port is clean.

Applications

Adaptor	Applications
1 	Audi, BMW, Buick, BYD, Changan Mazda, Chery, Chevrolet, Citroen, FAW Haima Automobile, Ford, GAC Trumpchi, Geely, Great Wall Motor, Jaguar, Land Rover, Lexus, Mercedes-Benz, MG, Pentium, Porsche, Peugeot, Roewe, Renault, Skoda, QOROS, Volkswagen, Volvo, Zhonghua.
2 	BAIC BJEV, Dongfeng-Yueda Kia Series, Hyundai, Infiniti, JAC, Mitsubishi, Renault, Roewe 550, Subaru.
3 	Buick Business Series.
4 	Ford Edge, Ford Focus, Part Series of Audi, Part Series of Peugeot.
5 	BYD Series, Honda.
6 	KING LONG School Bus Series, Toyota.
7 	Buick, Cadillac, FAW Mazda, FAW Pentium Series, Ford Fiesta.

8 	Chrysler, Dodge, JEEP Series.
9 	DONG FENG FENGXING Series.
10 	Nissan Series.
11 	BAOJUN Series (HONGGUANG S3, BAOJUN 560, 510, 730, 30), WULING.
12 	Changan Suzuki.
13 	SOUEAST DX5, DX7.
14 	JAC Series, Qashqai, Teana, X-TRAIL [Nissan 2.0 & above].
15 	LINGYUE, Mitsubishi, SOUEAST.

Warranty

If you are unsure on how to use the item please contact us. If it were to fail due to a manufacturing fault or poor workmanship we will repair or replace it. Please contact your local dealer in the event you need to send the item back. You can also make a repair/replacement request on our website and download & complete the form online. Normal wear and tear along with misuse will void any warranty. Consumables are not covered under warranty.

www.welzh.com

Limited **12 month** warranty



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