

Part No. 8395

LASER[®]

High Pressure Brake Bleeder

Instructions



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Introduction

The advent of electrohydraulic braking systems has meant that some motor manufacturers are specifying a need for pressure brake bleeders that can operate at a higher pressure than required with conventional systems. This unit has been developed to meet this requirement as well as maintain the ability to be adjusted for lower pressure applications. This 12V powered brake bleeder has an adjustable fluid pressure output from zero to 3.5 bar (50psi). It is powered from the vehicle battery via the 12V auxiliary socket or a suitable 12V power source. For maximum portability, the unit has been designed to be used with a 5-litre brake fluid container which is also included.

Safe for use with DOT 3, 4, 4+ and DOT 5.1 brake fluids. The unit shuts off automatically when empty. Supplied with euro cap adaptor. Additional adaptors available, Laser Part Nos: 7101 (master cylinder cap kit), 5700 (for Ford Fiesta), 6036 (universal), 7516 (for Hyundai), 8015 (for Tesla Model 3) and 8016 (for Tesla Model S, X).

Components



Ref.	Description
A	Suction/Return hoses
B	Main ON/OFF switch
C	Pressure regulator
D	Pressure gauge
E	START button
F	Fuse
G	Rubber sealing cone
H	Brake fluid container
I	12V power lead
J	12V plug adaptor
K	Filling hose
L	Filling hose quick coupling
M	Coupling to cap adaptor
N	Euro cap adaptor
O	Suction/return hose filter

Instructions

Purging 8395 before use:

1. Refer to Figure 1: Supply voltage to the unit by plugging in the 12V plug adaptor (J) into the vehicle's 12V auxiliary power socket or another suitable 12V power source.
2. Ensure that there is sufficient brake fluid in the brake fluid container (H). Insert the suction and return hoses (A) into the brake fluid container — adjust the rubber sealing cone (G) so that the filter at the end of the suction and return hoses is at the bottom of the brake fluid container. Then firmly press the rubber sealing cone into the brake fluid container opening.
3. Fit the correct brake fluid reservoir cap adaptor (N) to the adaptor (M), then to the filling hose coupling (L).
4. Hold the filling hose (K) with cap adaptor fitted over a catch container.

Instructions

- Switch on the unit (ON/OFF switch **B**), then press and hold the START button (**E**) until the pump begins to feed fluid through. Catch the fluid in the catch container.
- When the fluid pumps through bubble-free, release the START button and switch off the unit.
- Remove the brake fluid reservoir cap adaptor (**N**) from the adaptor (**M**) and fit to the vehicle's brake fluid reservoir before commencing the brake bleeding operation.

Operation:



- Always refer to the vehicle manufacturer's service instructions to establish the correct procedure. These instructions are provided as a guide only. Be sure to observe the vehicle manufacturer's information regarding the maximum filling pressure and any other special working instructions. The pressure regulator is set to an operating pressure of 2 bar at the factory.
- Refer to Figure 1: Supply voltage to the unit by plugging in the 12V plug adaptor (**J**) into the vehicle's 12V auxiliary power socket or another suitable 12V power source.
- Remove the vehicle's brake fluid reservoir cap and fit the correct cap adaptor (**N**). Connect the filling hose (**K**) to the cap adaptor.
- Switch on the unit (ON/OFF switch **B**), then press and hold the START button (**E**) until the pump builds up pressure and continues running automatically.
- If the vehicle manufacturer has specified a specific pressure for the bleeding operation, unlock the pressure regulator knob (**C**) by pulling it out. The operating pressure can then be set in accordance with the manufacturer's instructions by turning the knob. When the desired pressure has been set, lock the knob by pressing it in.
- Bleed off the prescribed quantity of brake fluid at the brake calipers.
- After changing the brake fluid, switch off the unit. The unit generally depressurises itself, but sometimes a residual pressure may remain. This is released by turning the pressure regulator (**C**) all the way to the minus position.
- Disconnect the filling hose and remove the cap adaptor. Replace the vehicle's brake fluid reservoir cap.

Note: The unit is equipped with an automatic switch-off function when the brake fluid container (**H**) is drained. When the brake fluid container is replaced or refilled, the unit must be bled again as detailed in the **Purging 8395 before use** section.

Operation:

Pressure gauge range:	0 – 4 bar
Power supply:	12V DC
Filling hose:	3 metres (with coupling)
Unit dimensions:	300 / 350 / 400mm W/D/H
Weight:	5 kg
Operating ambient temp. range:	0 – 45°C
Air humidity:	40 – 60%
Fuse value:	6.3A time-lag fuse
IP protection class:	IP20

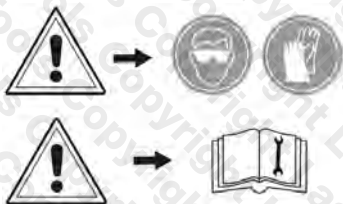
Troubleshooting:

Pump suction failure:

- Brake fluid container empty
— replace or refill container.
- Pressure regulator set to minus
— set correct operating pressure.
- Suction hose kinked
— remove kink or replace defective hose.
- Suction hose filter clogged
— clean or replace filter.

Safety Warnings - please read

Precautions:



- Read and understand these instructions before using the tool.
- Always refer to the vehicle manufacturer's service instructions to establish the correct procedure. These instructions are provided as a guide only. Be sure to observe the vehicle manufacturer's information regarding the maximum filling pressure and any other special working instructions.
- Wear appropriate PPE.
- The unit may only be operated with brake fluid. Damage caused as a result of using any other fluid(s) will void the warranty.
- When finished, test the action of the brake pedal to ensure that the brakes are working correctly before driving the vehicle on the road.
- It is good practice to apply copper grease to the threads of the bleed nipples before and after the brake bleeding procedure to reduce the possibility of seized or broken nipples when they are next bled.
- Brake fluid is flammable — keep away from sources of ignition, especially hot surfaces like exhaust pipes or manifold.
- Brake fluid damages paintwork — flush spillages with clean water and dry off immediately.
- Wear eye protections and keep skin contact to a minimum. If brake fluid enters eyes, immediately rinse with clean water and seek medical attention. If swallowed seek medical advice immediately.
- Dispose of waste brake fluid responsibly and in accordance with local authority regulations.

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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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