Part No. 9475

LASER®

EPB Caliper Release Tool

Instructions



RoHS Compliant

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Introduction

A 12V actuator driver unit designed to connect directly to an EPB brake caliper, allowing the user to retract and reapply the caliper without using the vehicle's OBD system. Ideal for servicing, troubleshooting, emergency roadside recovery and moving electrically disabled vehicles within the workshop. Simply disconnect the EPB caliper and connect the Laser 9474. Using a 12V battery, the caliper can then be driven back to release the brakes for service, diagnostics or to allow the vehicle to be moved. For use in the workshop for brake pad service and out on the road when recovering or moving vehicles with the EPB locked on. The perfect support tool to traditional OBD diagnostic equipment. Can also be used to test other 12V actuators and motors like washer pumps, etc.

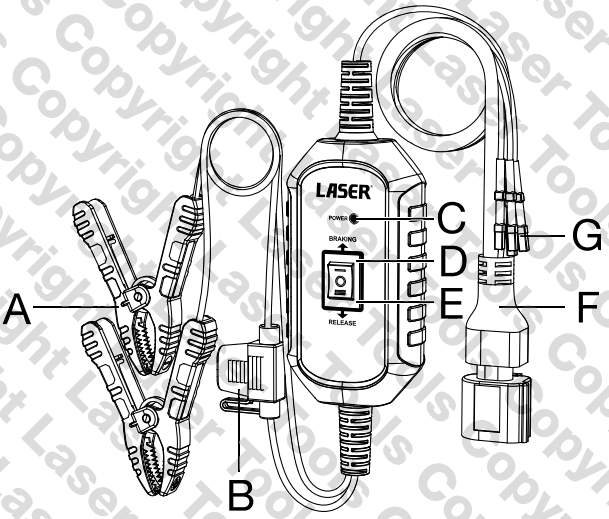
Built in safety: overload protected with in line replaceable fuse (5A), reverse polarity protected, Power-on self-test. Power on switch only delivers power to the caliper for 1-2 seconds to prevent any possible overloading of the caliper.

CE & RoHS compliant.

Specifications

Working voltage	10 – 14V DC
Working current	<15A

Components



Ref.	Description
A	Power clamps
B	Built-in 5A fuse
C	Power indicator LED
D	Motor (brake application)
E	Motor (release)
F	EPB terminal interface
G	Auxiliary power terminals (two sizes)

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Operation

- Prepare a fully charged spare 12V car battery.
- Check that the fuse is intact and not blown.
- Connect the power clamps (A) securely to the positive and negative terminals of the spare battery (red clamp to positive, black clamp to negative). When connected correctly, the power indicator light (C) will turn on.
- Connect the EPB terminal of the device (F) to the vehicle's external EPB drive port. If the EPB drive port is not compatible with the 9475, connect using the auxiliary power terminals (G) which are provided in two sizes of terminal.
- Press and hold the rocker switch to position "I" to start the motor for park brake application. Power is applied to the caliper motor for approximately 1-2 seconds, then the motor will stop. Release the switch.
- Pressing the rocker switch again to continue to drive the motor may cause damage. To protect the motor, the fuse will blow.
- Press and hold the rocker switch to position "II" to start the motor for releasing the parking brake pads. Power is applied to the caliper motor for approximately 1-2 seconds, then the motor will stop. Release the switch.

Note: When pressing the rocker switch, if the behaviour does not match the description (for example, position I releases the brakes instead of applying them), it is possible that the motor's forward and reverse directions are reversed. Please pay attention to this, especially when using the auxiliary terminals to connect to the motor.

Operation



- Always keep this manual with the tool.
- Always refer to the instructions before use.
- Each user is responsible for installing and using the device according to this user manual. The supplier is not responsible for damage caused by improper use and operation.
- Use the device only in compliance with all safety instructions, technical documents, and vehicle manufacturer specifications.
- If the vehicle is jacked-up, it must be supported by correct-weight specification axle stands.
- This device must only be operated by trained and qualified personnel. Do not operate it under the influence of drugs, alcohol, or medication.
- When using the tester please observe all normal safety precautions concerning protection against the dangers of electrical current.
- Keep out of reach of children.

Operation cont.

- When operating, ensure nearby personnel or animals maintain a safe distance. Avoid working in rain, water, or damp environments. Keep the work area well-ventilated, dry, clean, and bright.
- Do not twist or severely bend the power cable, as this may damage the internal wiring. If the power cable shows any signs of damage, do not use the device.
- Damaged cables pose a risk of electrical injury. Keep the power cable away from heat sources, oil sources, sharp edges, and moving parts. Damaged power cables must be replaced by the manufacturer, their technicians, or similarly qualified personnel to prevent hazardous situations or injury.
- Never leave the device unattended when it is powered on. Always disconnect the power cable and ensure the device is turned off when it is not in use.
- It is essential to protect the device from rainwater, moisture, mechanical damage, overload, and rough handling.
- Store in a secure, dry location.
- Dispose of device according to relevant local authority guidelines.
- No liability is accepted for incorrect use of this product — do not use the product for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.



Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

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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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186.** Normal wear and tear are excluded as are consumable items and abuse.

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