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> AUTOOL BT10 EPB Electronic Parking Brake Release Tool User Manual

AUTOOL BT10

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INTRODUCTION

The AUTOOL BT10 is a dual-channel electronic parking brake (EPB) release tool designed for quick and safe disengagement and engagement of EPB systems. This device is essential for various automotive service tasks, including brake pad replacement, EPB system diagnostics, emergency vehicle recovery, and workshop vehicle movement. It features intelligent dual-channel control, multiple circuit protections, and overload protection to ensure safe and efficient operation.



This image displays the AUTOOL BT10 EPB Release Tool kit, featuring the main diagnostic device, connection cables, and four circular interface buttons with French labels indicating various functions and specifications.

SAFETY INFORMATION

Please read and understand all safety precautions before using the AUTOOL BT10 EPB Release Tool.

- Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure the vehicle is stable and properly supported before performing any work.
- Read and understand all instructions before operating the tool.
- Do not use the tool if it appears damaged.

- Keep children and unauthorized personnel away from the work area.
- The tool is designed for 12V vehicle systems. Do not connect to other voltage sources.
- Observe correct polarity when connecting to the vehicle battery to prevent damage.

SETUP

Connecting the Tool

The AUTOOL BT10 offers two connection methods for broad compatibility with most gasoline, hybrid, and electric vehicles.

1. **Power Connection:** Connect the power clamps to a 12V auxiliary battery. Verify that the power indicator light illuminates green.
2. **Device Connection:** Connect the terminals or the EPB connector of the device to the vehicle's external EPB power port.



This image illustrates the two easy connection methods for the AUTOOL BT10. It shows the EPB interface and two pairs of EPB terminal connectors. Step 1 demonstrates connecting the power clamps to a 12V battery, with the power light illuminating. Step 2 shows connecting the device's terminals or EPB connector to the vehicle's external EPB power port.

OPERATING INSTRUCTIONS

Engaging and Releasing the EPB

The BT10 features intelligent dual-channel control for instant EPB release and engagement via a single button operation.

1. **To Engage the Brake:** Press button 'I'. Release the button once you hear the motor stop.
2. **To Release the Brake:** Press button 'II'. Release the button immediately once you hear the motor running at idle.

COMMANDE INTELLIGENTE À DOUBLE CANAL

Prend en charge le mode de commande à deux canaux pour un relâchement rapide du frein de stationnement électronique, ce qui permet un déplacement et un freinage plus fluides du véhicule tout en garantissant la sécurité lors du stationnement.



This image demonstrates the intelligent dual-channel control of the AUTOOL BT10. It shows the device with 'Braking' and 'Release' modes, indicating how to use the 'I' and 'II' buttons to engage and disengage the electronic parking brake, with visual cues of the brake caliper movement.

Overload Protection

The tool incorporates an overload protection feature. During EPB engagement or release, the output voltage is maintained for only one second. After this period, it automatically stops, even if the brake or release button is held down. This design prevents damage to the motor and brake caliper.



This image illustrates the overload protection mechanism of the AUTOOL BT10. It shows the tool connected to a brake caliper, with an 'ON' state lasting for 1 second before automatically deactivating, preventing thermal damage to the motor or caliper.

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your AUTOOL BT10 tool.

- Keep the tool clean and dry. Wipe off any dirt or grease after each use.
- Store the tool in a cool, dry place away from direct sunlight and corrosive materials.
- Regularly inspect the cables and connectors for any signs of wear or damage. Replace if necessary.
- Do not attempt to open or repair the device yourself. Refer to qualified service personnel.

TROUBLESHOOTING

Circuit Protections

The BT10 EPB emergency release tool features multiple circuit protections to ensure safe and reliable operation:

- **Reverse Polarity Protection:** Prevents damage even if power connections are incorrect.
- **Self-Test Indicator:** Upon power-up, the device automatically performs a system self-check, and a green indicator light confirms its operational status.
- **Overcurrent Protection:** An integrated 5A fast-acting fuse instantly interrupts the circuit in case of overcurrent, effectively protecting the motor and brake cylinder. Two spare fuses are included.

PROTECTIONS MULTIPLES DES CIRCUITS

Protection contre l'inversion de polarité

Empêche tout dommage lié à des branchements incorrects ; peut être utilisé en toute sécurité par les débutants.



Protection par fusible contre les surintensités

Équipé d'un fusible à action rapide de 5 A intégré. Si le fonctionnement se poursuit même après que le frein a été complètement serré ou relâché, le fusible sautera instantanément, protégeant ainsi efficacement le moteur et le cylindre de frein contre tout dommage.



Témoin d'autotest à la mise sous tension

Le voyant vert s'allume lorsque l'alimentation est normale, ce qui permet de connaître l'état du système d'un seul coup d'œil.



2 fusibles de rechange



FUSIBLE 5 A INTÉGRÉ



This image details the multiple circuit protections of the AUTOOL BT10. It shows reverse polarity protection with incorrect battery connection, a self-test indicator light upon power-up, and overcurrent protection with an integrated 5A fuse and two spare fuses.

Common Issues

- **No Power Indicator:** Check battery connections and ensure the 12V battery is charged. Inspect the integrated fuse for damage.
- **Brake Not Engaging/Releasing:** Ensure all connections are secure. Verify the vehicle's EPB system is functioning correctly. The tool's overload protection might have activated; wait a few seconds and try again.
- **Tool Overheating:** Discontinue use immediately and allow the tool to cool down. Check for any short circuits or excessive load.

SPECIFICATIONS

Attribute	Value
Brand	AUTOOL
Model	BT10
Operating Voltage	10V to 14V DC
Operating Current	< 15A
Item Weight	270 g
Package Dimensions	19.5 x 8.7 x 6.6 cm
Manufacturer Part Number	AT-BT10

DÉTAILS DU PRODUIT ET EMBALLAGE

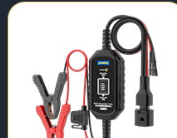
Tension de fonctionnement 10 V à 14 V CC Courant de fonctionnement <15A



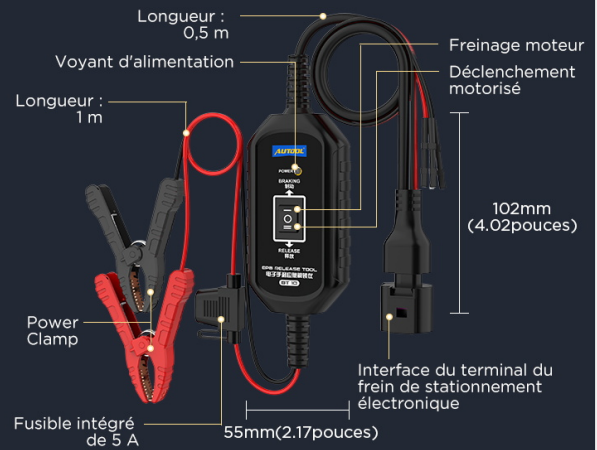
FUSIBLES DE RECHANGE X 2



MANUEL D'UTILISATION X 1



Unité principale BT10 x 1



This image provides a detailed overview of the AUTOOL BT10 EPB Release Tool, including its dimensions, power clamp, integrated 5A fuse, and the electronic parking brake terminal interface. It also shows the operating voltage (10V to 14V DC) and operating current (<15A).

WARRANTY INFORMATION

AUTOOL products are typically covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official AUTOOL website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or service inquiries, please contact AUTOOL customer support. You can usually find contact information on the official AUTOOL website or through your retailer.

Website: www.autooltech.com