

Qiilu QT-001

Qiilu QT-001 Automotive Fuse Tester and Puller Instruction Manual

MODEL: QT-001

1. Introduction

Thank you for choosing the Qiilu QT-001 Automotive Fuse Tester and Puller. This device is designed to efficiently test the functionality of various automotive fuses and assist in their safe removal. Please read this manual thoroughly before using the product to ensure proper operation and safety.

2. Product Overview

The Qiilu QT-001 is a compact and versatile tool for automotive electrical maintenance. It combines a fuse tester with a fuse puller, making it a convenient solution for diagnosing and replacing fuses.

COMPACT AND PORTABLE SIZE, EASY TO CARRY AND KEEP



Figure 2.1: Front view of the QiiLU QT-001 Fuse Tester and Puller, showing the testing pins and fuse slots.

Key Features:

- **Multi-functional Design:** Integrates both fuse testing and removal capabilities into a single tool.
- **Adjustable Testing Pins:** Compatible with mini, standard (ATC), and maxi (ATM) automotive blade fuses.
- **LED Indicator:** Provides a clear visual indication (light glows) when a fuse is functional.
- **Integrated Fuse Puller:** Designed for easy and safe removal of blown or faulty fuses.
- **Anti-slip Grip:** Ensures secure handling during use.
- **Compact and Portable:** Easy to carry and store.



Adjustable testing pins allows to be used on mini/standard and maxi automotive fuses

Figure 2.2: Close-up of the adjustable testing pins, allowing compatibility with different fuse sizes (MAX, ATC, ATM).



Figure 2.3: Detail of the anti-slip design on the fuse puller handle for improved grip.

3. Safety Information

Always observe the following safety precautions when using the Qiilu QT-001 Fuse Tester and Puller:

- Ensure the vehicle's ignition is off and the battery is disconnected if performing extensive electrical work.
- Never attempt to test fuses in a live circuit without proper knowledge and precautions.
- Consult your vehicle's service manual for specific fuse box locations and fuse types.
- Do not use the tool if it appears damaged.
- Keep out of reach of children.

4. Setup

The Qiilu QT-001 requires no complex setup. It is ready for use out of the package. Familiarize yourself with the different fuse types (Mini, Standard/ATC, Maxi/ATM) and the corresponding adjustment settings on the tester.

5. Operating Instructions

5.1. Testing a Fuse

1. **Identify Fuse Type:** Determine if the fuse you are testing is a Mini, Standard (ATC), or Maxi (ATM) blade fuse.
2. **Adjust Tester Pins:** Slide the black switch on the tester to align the testing pins with the correct size marking (MAX, ATC, or ATM) for your fuse.
3. **Insert Fuse:** Carefully insert the fuse into the corresponding slot on the tester, ensuring good contact with the metal terminals.
4. **Observe LED Indicator:** If the fuse is functional, the LED light on the tester will illuminate. If the LED does not light up, the fuse is blown and needs replacement.

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Video 5.1: Demonstration of how to test a fuse using the Qiilu QT-001 Fuse Tester. The video shows inserting a fuse and observing the LED indicator for functionality.

5.2. Removing a Fuse

The integrated fuse puller allows for easy and safe removal of fuses from the fuse box.

1. **Position Puller:** Align the open end of the fuse puller with the fuse you wish to remove.
2. **Grip Fuse:** Gently squeeze the puller handles to securely grip the fuse.
3. **Pull Gently:** With a firm but gentle motion, pull the fuse straight out of its slot. Avoid twisting or excessive force to prevent damage to the fuse box.



Figure 5.1: The Qiilu QT-001 being used to safely remove a blade fuse from a vehicle's fuse box.

6. Maintenance

- **Cleaning:** Wipe the tool with a clean, dry cloth after each use to remove any dirt or debris. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the fuse tester and puller in a dry, cool place, away from direct sunlight and extreme

temperatures.

- **Inspection:** Periodically inspect the testing pins and the puller mechanism for any signs of wear or damage. Replace the tool if any damage is observed.

7. Troubleshooting

Problem	Possible Cause	Solution
LED does not light up when testing a fuse.	Fuse is blown. Poor contact between fuse and tester pins. Tester battery (if applicable) is depleted.	Replace the fuse. Ensure the fuse is fully inserted and the pins are correctly aligned. The Qiilu QT-001 is a passive tester and does not require a battery. If the fuse is good and the LED doesn't light, ensure proper contact.
Difficulty removing a fuse with the puller.	Improper grip on the fuse. Fuse is stuck or corroded.	Ensure the puller jaws are securely gripping the fuse. Apply gentle, steady pressure. If severely stuck, consult a professional.

8. Specifications

Brand	Qiilu
Model	QT-001
Voltage Compatibility	Up to 24 Volts
Material	Plastic
Color	Orange
Dimensions (L x W x H)	2.76 x 1.3 x 0.63 inches (7 x 3.3 x 1.6 cm)
Weight	0.04 Pounds (approx. 18 grams)

9. Support

For any questions, technical assistance, or support regarding your Qiilu QT-001 Automotive Fuse Tester and Puller, please refer to the retailer's customer service or visit the official Qiilu website for contact information.