Sonic 47023

Sonic 47023 Digital Brake Fluid Tester

Instruction Manual

1. Introduction

The Sonic 47023 Digital Brake Fluid Tester is designed to accurately measure the moisture content in automotive brake fluid. This device helps determine the quality of the brake fluid by indicating the percentage of water present, which is crucial for maintaining optimal braking performance and safety. It is compatible with DOT 3, DOT 4, and DOT 5.1 brake fluid types.

2. Safety Information

- Always wear appropriate personal protective equipment, such as safety glasses and gloves, when handling brake fluid.
- Brake fluid is corrosive. Avoid contact with skin, eyes, and painted surfaces. In case of contact, rinse immediately with plenty of water.
- Keep the device and brake fluid out of reach of children and pets.
- Do not immerse the entire tester in brake fluid; only the probes should be submerged.
- Ensure the vehicle's engine is off and the parking brake is engaged before performing any tests.

3. Product Overview

The Sonic 47023 tester features a compact design with a protective cap, two metal probes, and a series of LED indicators to display the test results and battery status.



This image displays the Sonic 47023 Digital Brake Fluid Tester. The protective cap is removed, revealing the two metal probes used for testing. The body of the tester shows various LED indicators for battery status and moisture levels, along with text indicating the

meaning of each light.

Components:

- Digital Brake Fluid Tester Unit
- Protective Cap
- 1.5V AAA Battery (pre-installed or included)

4. Setup

Battery Installation:

The Sonic 47023 tester typically comes with a 1.5V AAA battery pre-installed. If the battery needs replacement or installation:

1. Unscrew the top cap of the tester.
2. Insert one 1.5V AAA battery, ensuring correct polarity (+/-).
3. Securely screw the top cap back on.
4. The 'batt' LED indicator will light up if the battery is correctly installed and has sufficient power.

5. Operating Instructions

Performing a Brake Fluid Test:

1. Ensure the vehicle is on a level surface and the engine is off.
2. Locate the brake fluid reservoir, typically under the hood.
3. Carefully remove the reservoir cap.
4. Remove the protective cap from the Sonic 47023 tester.
5. Press the power button to turn on the tester. The 'batt' LED should illuminate.
6. Dip the two metal probes of the tester into the brake fluid, ensuring they are fully submerged but not touching the bottom or sides of the reservoir.
7. Wait a few seconds for the tester to analyze the fluid.
8. Observe the LED indicators to determine the moisture content.
9. After testing, remove the tester from the fluid, clean the probes thoroughly with a dry cloth, and replace the protective cap.
10. Replace the brake fluid reservoir cap securely.



A hand is shown holding the Sonic 47023 Digital Brake Fluid Tester, with its probes inserted into the brake fluid reservoir of a vehicle. This demonstrates the typical usage of the device for checking brake fluid quality.

Interpreting LED Indicators:

- **Green LED (OK/0%):** Indicates no water detected or less than 1% water content. Brake fluid is in good condition.
- **Green/Yellow LED (<1%):** Indicates less than 1% water content. Brake fluid is in good condition.
- **Green/Yellow LED (Approx 2%):** Indicates approximately 2% water content. Brake fluid is still acceptable, but monitoring is recommended.
- **Green/Yellow/Red LED (Approx 3%):** Indicates approximately 3% water content. A change of brake fluid is recommended soon.
- **Green/Yellow/Red/Red LED (>4%):** Indicates 4% or more water content. An urgent change of brake fluid is necessary. This level of moisture can significantly impair braking performance and safety.
- **'batt' LED:** Indicates battery status. If this light is dim or does not illuminate, replace the AAA battery.

6. Maintenance

- After each use, clean the metal probes thoroughly with a clean, dry cloth to remove any brake fluid residue.
- Store the tester in a dry place with the protective cap securely in place.
- If the tester will not be used for an extended period, it is recommended to remove the battery to prevent leakage.
- Do not use abrasive cleaners or solvents on the device.

7. Troubleshooting

- **Tester does not turn on:** Check if the battery is correctly installed and has sufficient charge. Replace the 1.5V AAA battery if necessary.
- **Inconsistent readings:** Ensure the probes are clean and fully submerged in the brake fluid. Avoid touching the sides or bottom of the reservoir.
- **No LED indication after dipping:** Ensure the probes are making good contact with the fluid. The fluid level might be too low, or the probes might be dirty.

8. Specifications

Feature	Specification
Model	47023
Brand	Sonic
Power Supply	1 x 1.5V AAA Battery
Dimensions (L x W x H)	22.2 x 7.1 x 2.5 cm (approx.)
Weight	52 g (approx.)
Brake Fluid Compatibility	DOT 3, DOT 4, DOT 5.1
Moisture Indication	LED (0%, <1%, Approx 2%, Approx 3%, >4%)

9. Warranty Information

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation or contact your retailer for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

10. Support

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Sonic 47023 Digital Brake Fluid Tester, please contact the retailer where the product was purchased or visit the official Sonic Equipment website for customer support contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question