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› A-MIND ZTE Blade A51 2021 LCD Display Touch Screen Digitizer Replacement Kit Instruction Manual

A-MIND ZTE Blade A51

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1. PRODUCT OVERVIEW

This instruction manual provides guidance for the installation and proper handling of the A-MIND LCD Display Touch Screen Digitizer Replacement Kit for the ZTE Blade A51 2021 smartphone. This kit is designed to replace a faulty, cracked, broken, or non-functional screen, addressing issues such as dead pixels, unresponsive touch, or display problems.

1.1 Package Contents

The replacement kit includes the following components:

- 1x LCD Display Touch Screen Digitizer Assembly Replacement for ZTE Blade A51 2021 (LCD Without Frame)
- 1x Strong Suction Cup
- 2x Triangle Opening Tools
- 1x Card Pin (SIM ejector tool)
- 1x Plastic Spudger
- 1x Free Tape (Adhesive)



An overview of the complete screen replacement kit for the ZTE Blade A51 2021, featuring the LCD display assembly, screwdrivers, suction cup, prying tools, and a SIM card ejector pin.

2. IMPORTANT NOTES BEFORE INSTALLATION

Careful preparation and adherence to these notes are crucial for a successful installation and to prevent damage to your device or the new display.

2.1 Test Before Installation

Before fully installing the screen, it is highly recommended to perform a simulated test. Connect the new display to the phone's motherboard (without fully assembling the phone), power it on, and test its functionality. If the display or touch response is not satisfactory, contact customer service immediately. Do not proceed with full installation if issues are detected, as installed screens are not covered under warranty for such issues.

2.2 Static Electricity Precautions

Electronic components are sensitive to static electricity. Before attempting any repair, ensure you ground yourself using an ESD (electrostatic discharge) strap. This prevents static electricity from damaging the phone's internal components.

2.3 Eye Protection

Wear eye protection during the repair process, especially when handling the old screen, to prevent injury from glass splinters.

2.4 Cable Handling

Ensure the LCD flex cable is not over-bent. Bending the cable beyond 90 degrees can cause permanent damage, leading to a black display or other malfunctions.

2.5 Professional Installation Recommended

Screen replacement is a delicate procedure. If you lack experience in phone repair, it is advisable to seek assistance from a professional repair store. If you choose to proceed with self-installation, thoroughly research the process by searching for installation videos on platforms like YouTube or Google to understand the steps involved and potential challenges.



NO FRAME

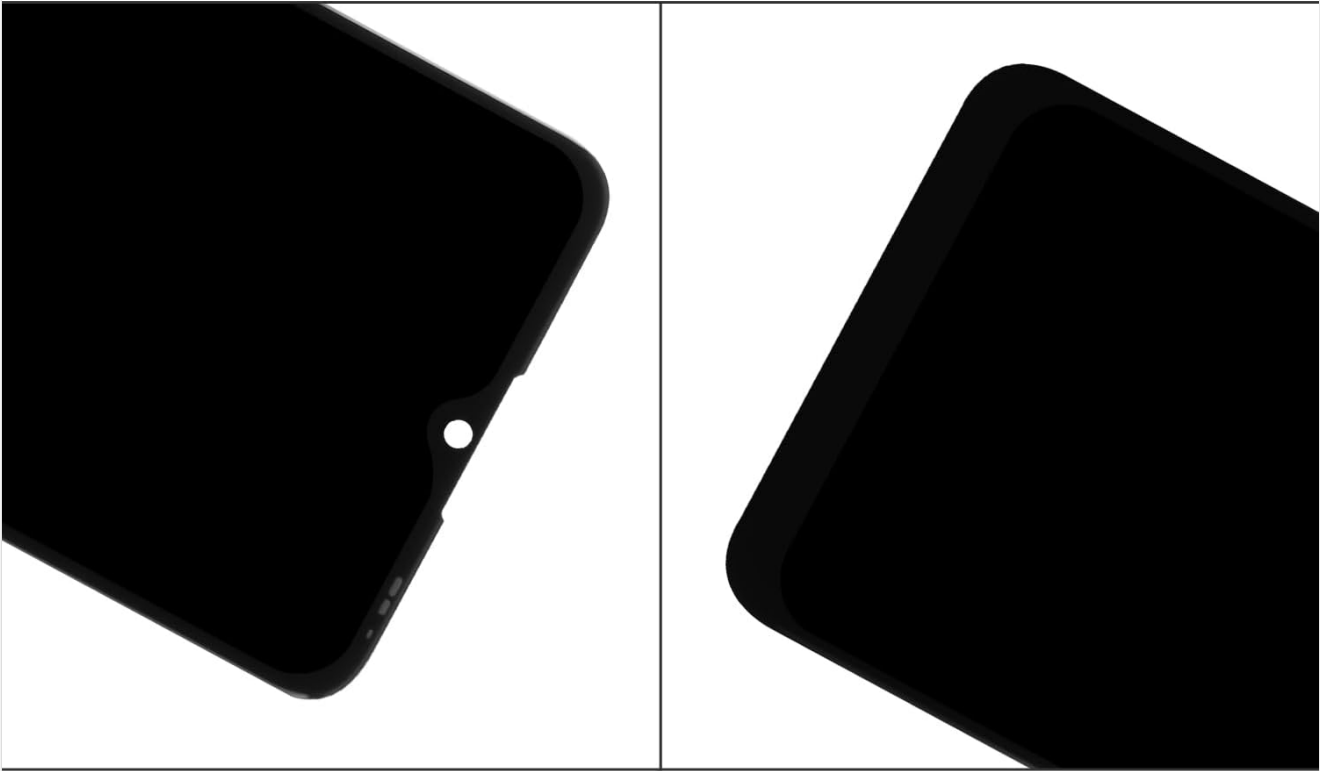
About "LCD No Frame", we advise you can ask repair store for help. it is easy to damage and case problem if you have no skillful in repairing phones.

If you insist to change it by yourself. Get more information online to know how to do before start and be careful.

A view of the LCD display without a frame, accompanied by a recommendation to seek professional assistance for installation or to proceed with extreme caution and prior research if attempting self-installation.

100% Tested

one by one before shipping



Details

Detailed views of the screen's corners, illustrating the quality control process where each unit is tested before shipment to ensure no defects.

100% Tested

one by one before shipping



Details of flex cable

A magnified view of the flex cable and its connection points on the back of the LCD display, emphasizing the thorough testing conducted on each component.

3. SETUP AND INSTALLATION

This section provides a general overview of the installation process. Detailed step-by-step instructions are not included in this manual. Please refer to online video tutorials for comprehensive guidance.

3.1 Required Tools

The kit includes essential tools for the replacement. You may also need a heat gun or hairdryer to soften adhesive, and a clean, well-lit workspace.

3.2 Installation Process Overview

1. **Power Off Device:** Ensure your ZTE Blade A51 2021 is completely powered off before beginning.
2. **Remove SIM Tray:** Use the card pin to remove the SIM card tray.
3. **Open Phone:** Carefully open the phone's back cover and disconnect the battery.
4. **Remove Old Screen:** Disconnect the old screen's flex cable and carefully remove the damaged display, using heat if necessary to loosen adhesive.
5. **Clean Frame:** Thoroughly clean any remaining adhesive or glass fragments from the phone's frame.

6. **Connect New Screen (Test):** Connect the new display's flex cable to the motherboard for the simulated test as described in Section 2.1.
7. **Install New Screen:** If the test is successful, apply new adhesive (included tape) to the frame and carefully seat the new display.
8. **Reconnect Components:** Reconnect the battery and other components, then reassemble the phone.

3.3 Post-Installation Testing

After full assembly, power on your device and perform a comprehensive test of the display and touch functions. Check for dead pixels, touch responsiveness across the entire screen, and proper display of colors.

4. OPERATING THE NEW DISPLAY

Once installed, the new display operates identically to the original. No special operating procedures are required.

4.1 Initial Power-On

Upon first power-on after installation, the device should boot normally, displaying the operating system interface on the new screen.

4.2 Touch Functionality Check

Verify that the touch screen responds accurately and smoothly to all gestures and inputs. Test typing, scrolling, and app navigation to ensure full functionality.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your new display, follow these maintenance guidelines.

5.1 Cleaning the Screen

Use a soft, lint-free microfiber cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-specific cleaning solution. Avoid harsh chemicals, abrasive materials, or excessive moisture.

5.2 Protecting the Display

Consider using a screen protector and a protective case for your phone to minimize the risk of future damage from drops, scratches, or impacts.

6. TROUBLESHOOTING COMMON ISSUES

If you encounter problems after installation, refer to these common troubleshooting steps.

6.1 Display Not Working or Black Screen

- Ensure all flex cables are securely connected to the motherboard.
- Check if the LCD flex cable is bent or damaged. A bend over 90 degrees can cause a black display.
- Verify the battery is properly connected and charged.
- Perform a hard reset on your device.

6.2 Touch Issues (Unresponsive or Ghost Touches)

- Ensure the digitizer flex cable is correctly and firmly seated.
- Check for any debris or foreign objects between the screen and the phone frame.
- Restart the device.

6.3 Wrong Colors or Pixels Issues

- Recheck the display flex cable connection.
- If the issue persists after rechecking connections, the display unit may be faulty. Contact customer support.

7. PRODUCT SPECIFICATIONS

Key technical specifications for the A-MIND LCD Display Touch Screen Digitizer Replacement for ZTE Blade A51 2021:

- **Compatible Model:** For ZTE Blade A51 2021
- **Material:** TFT LCD
- **Size:** 6.52 inches
- **Resolution:** 720*1600 pixels
- **Item Weight:** 0.8 ounces
- **Manufacturer:** A-MIND
- **Item Model Number:** For ZTE Blade A51

FOR ZTE A51 2021

720 *1600 Pixels / 6.52 inches/ 269 ppi



The ZTE Blade A51 2021 LCD display, highlighting its key specifications including a resolution of 720x1600 pixels and a screen size of 6.52 inches.



A dual view of the ZTE Blade A51 2021 LCD display, showing its black front surface and the reverse side with the integrated flex cable.

Black NO Frame



The black LCD display for ZTE Blade A51 2021, presented without a frame, indicating it is the display panel only.

8. WARRANTY AND CUSTOMER SUPPORT

A-MIND is committed to providing quality products and support.

8.1 Warranty Information

This product comes with a 3-month warranty. All LCD screen replacement products undergo strict quality control and are tested before shipment. For quality problems, an exchange can be provided if the screen is without any man-made or physical damage and cannot function normally.

8.2 Contacting Support

If you have any problems or questions regarding your order or the product, please do not hesitate to contact our customer service team. We aim to provide assistance within 24 hours.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

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