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› AGCUT TFT LCD Screen Replacement Instruction Manual for Samsung Galaxy A52 5G (Models SM-A526B, SM-A526U)

AGCUT Galaxy A52 5G (SM-A526B, SM-A526U)

AGCUT TFT LCD Screen Replacement Instruction Manual for Samsung Galaxy A52 5G

Models: SM-A526B, SM-A526U, SM-A526O, SM-A526W, SM-A5261

1. PRODUCT OVERVIEW

This manual provides instructions for replacing the screen on your Samsung Galaxy A52 5G. The replacement screen is a TFT LCD type, designed for models SM-A526B, SM-A526U, SM-A526O, SM-A526W, and SM-A5261. It features a 6.5-inch display with a resolution of 1080x2400 pixels and a pixel density of 407 ppi.

FOR SAMSUNG A52 5G SCREEN REPLACEMENT

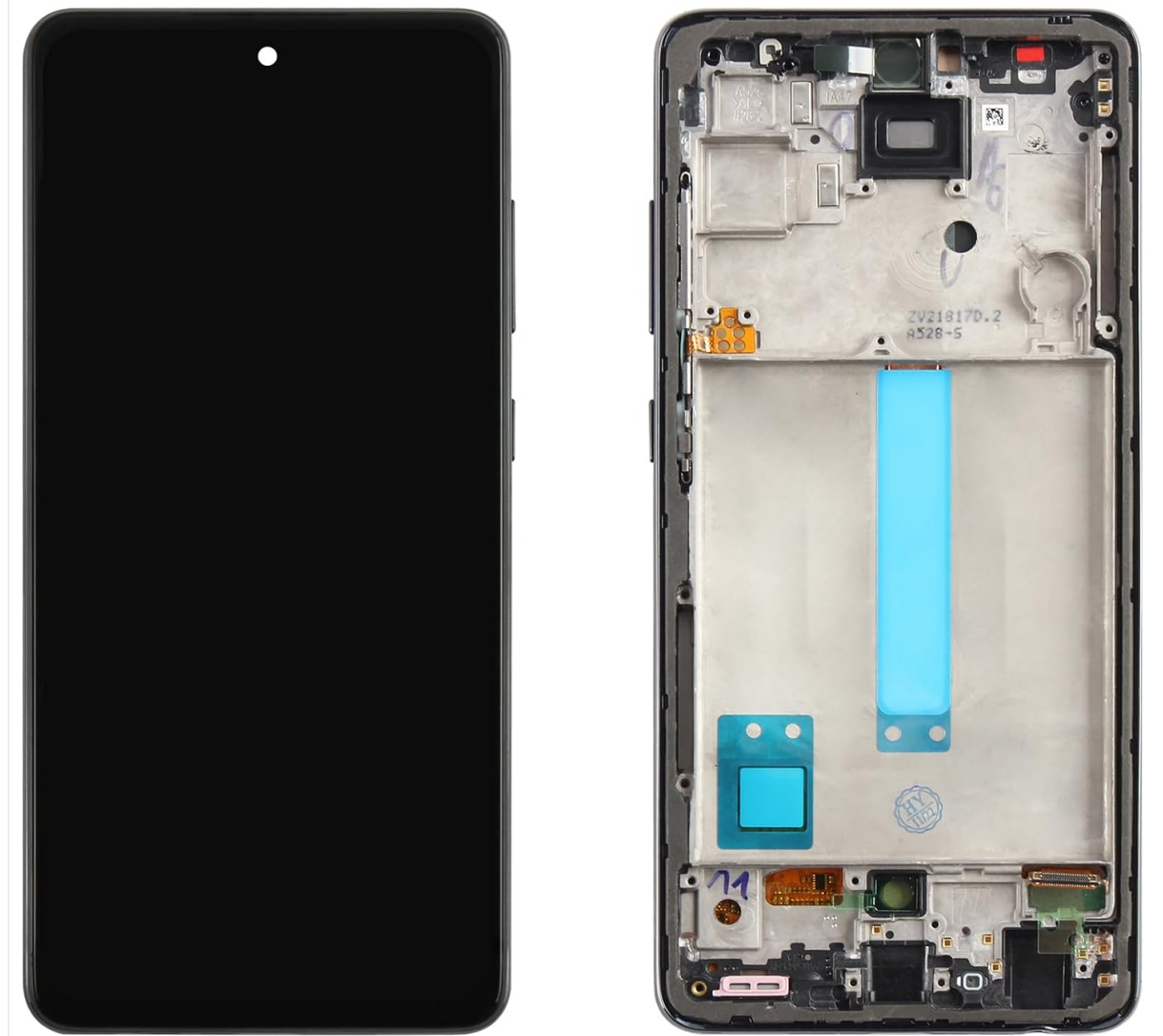


Image 1.1: Display of the replacement screen with key specifications including model compatibility, resolution, size, and pixel density.

2. IMPORTANT NOTES BEFORE INSTALLATION

- **Model Verification:** Ensure your device is a Samsung Galaxy A52 5G (models SM-A526B, SM-A526U, SM-A526O, SM-A526W, SM-A5261). This screen is **not** compatible with Samsung Galaxy A53 5G.
- **Screen Type:** This is an INCELL TFT LCD screen. It is important to note that the INCELL screen size may be slightly smaller than the original AMOLED screen, and it **does not support fingerprint sensor functionality**. The original screen has a fingerprint sensor. If these differences are a concern, please consider this before proceeding.
- **Component Transfer:** This replacement screen does not include the volume buttons or the fingerprint sensor. You will need to carefully transfer the ribbon cables and small parts from your original screen assembly to the new screen.
- **Pre-Installation Testing:** Before fully installing the screen, connect the new screen's flex cables to the motherboard and test all functions (display, touch, etc.) to ensure it is working correctly. Do not remove protective films or adhesive until testing is complete and successful.
- **Professional Installation Recommended:** Screen replacement requires technical skill. Non-professional installation is not recommended. If you are unsure, seek professional assistance.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x AGCUT TFT LCD Screen Replacement for Samsung Galaxy A52 5G
- 1x Explosion-proof Box (for safe packaging)
- 1x HD Glass (Screen Protector)
- 1x Dust Removal Sticker
- 1x Double-sided Adhesive Tape
- 1x Disassembly Tool Card
- 1x Disassembly Card
- Removal Tools (various screwdrivers, prying tools)



Image 3.1: Visual representation of the screen replacement kit, including the screen, tools, and accessories.

4. PREPARATION

1. **Power Off Device:** Completely power off your Samsung Galaxy A52 5G before beginning any disassembly.
2. **Gather Tools:** Ensure you have all necessary tools, including those provided in the kit (screwdrivers, prying tools, adhesive tape).

3. **Work Area:** Prepare a clean, well-lit, and static-free workspace.
4. **Backup Data:** It is always recommended to back up your device data before attempting any repairs.
5. **Watch Video Tutorial:** It is highly recommended to watch an installation video on platforms like YouTube for visual guidance. Search for "Samsung A52 5G screen replacement" for relevant tutorials.

5. INSTALLATION STEPS

Follow these steps carefully. Refer to the embedded video for visual assistance.

Your browser does not support the video tag.

Video 5.1: An official installation guide demonstrating the screen replacement process for the Samsung Galaxy A52 5G.
This video shows the steps from initial disassembly to final assembly and testing.

1. **Remove Back Cover:** Carefully heat the edges of the phone's back cover to soften the adhesive. Use a thin prying tool to gently separate the back cover from the frame.
2. **Disconnect Battery:** Locate and disconnect the battery flex cable to prevent accidental short circuits during the repair.
3. **Remove Screws and Mid-Frame:** Unscrew all visible screws securing the mid-frame. Gently pry off the mid-frame.
4. **Disconnect Flex Cables:** Disconnect all flex cables connected to the old screen, including the display and touch digitizer cables.
5. **Remove Old Screen:** Apply heat to the edges of the old screen to loosen its adhesive. Use a prying tool to carefully lift and remove the damaged screen from the frame.
6. **Transfer Components:** Transfer the volume buttons, earpiece, and any other small components or ribbon cables from the old screen assembly to the new screen. Ensure they are correctly seated.
7. **Pre-Install New Screen for Testing:** Before applying new adhesive, temporarily connect the new screen's flex cables to the motherboard. Power on the device and perform a thorough test of the display, touch functionality, and any transferred components.
8. **Apply Adhesive and Install New Screen:** If the test is successful, power off the device. Apply the provided double-sided adhesive tape around the frame where the screen will sit. Carefully align and press the new screen into place.
9. **Reassemble Device:** Reconnect all flex cables, reattach the mid-frame and secure it with screws. Reconnect the battery flex cable.
10. **Reattach Back Cover:** Apply new adhesive if necessary and carefully reattach the back cover. Apply gentle pressure around the edges to ensure a secure seal.
11. **Final Check:** Power on your device and perform a final check of all functions.



FOR Samsung A52 5G

SM-A526B SM-A526B/DS

SM-A5260 SM-A526W

SM-A526U SM-A526U1

Resolution : 1080*1920pixel

Size : 6.5 inches

Pixel density : 407 ppi

Color :

■ Black

Image 5.2: The new screen assembly alongside the phone's frame, illustrating how the screen fits into the device.

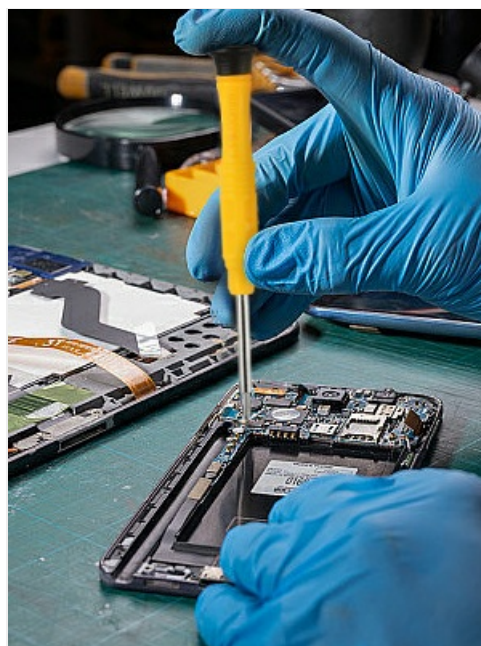


Image 5.3: A close-up of a technician using a screwdriver to work on the internal components of a smartphone, demonstrating the precision required for such repairs.

6. TESTING THE NEW SCREEN

After installation, it is crucial to thoroughly test the new screen. Look for:

- **Display Quality:** Check for dead pixels, discoloration, lines, or uneven backlighting.
- **Touch Functionality:** Test touch response across the entire screen, including edges and corners. Ensure there are no unresponsive areas.
- **Brightness and Color:** Verify that brightness adjustment works and colors appear vibrant and accurate.
- **Transferred Components:** Confirm that volume buttons and other transferred small parts function correctly.

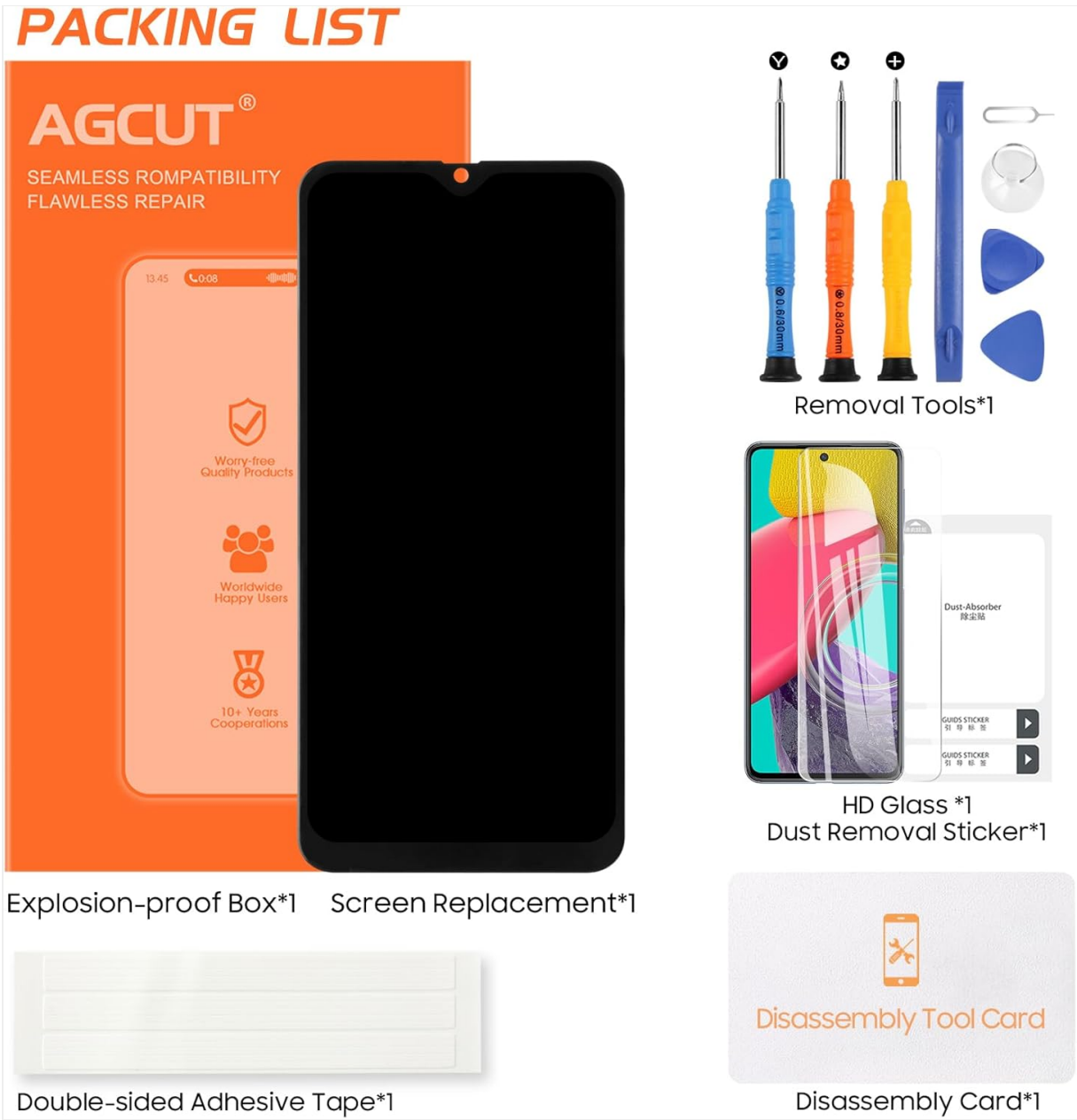


Image 6.1: Illustrations demonstrating various screen quality checks, including absence of dead pixels, pixel lines, and ensuring smooth, responsive touch functionality.

7. SPECIFICATIONS

Feature	Detail
Compatibility	Samsung Galaxy A52 5G (SM-A526B, SM-A526U, SM-A526O, SM-A526W, SM-A5261)

Feature	Detail
Screen Type	TFT LCD (INCELL)
Display Size	6.5 inches
Resolution	1080x2400 pixels
Pixel Density	407 ppi
Fingerprint Sensor	Not supported (INCELL screen limitation)
Package Dimensions	7.6 x 4.02 x 1.26 inches
Item Weight	5.9 ounces

8. TROUBLESHOOTING

- **Screen Not Turning On:**

- Ensure all flex cables are securely connected to the motherboard.
- Check the battery connection.
- Try a hard reset of the device.

- **Touch Not Responding:**

- Verify the digitizer flex cable is properly seated.
- Ensure there is no debris or damage to the flex cable connectors.
- Perform a soft reset.

- **Display Issues (lines, discoloration, dead pixels):**

- This indicates a potential defect in the screen itself. Re-check connections, but if issues persist, the screen may be faulty.

- **Fingerprint Sensor Not Working:**

- As noted, this INCELL screen replacement does not support fingerprint sensor functionality. This is expected behavior.

Used to replace a defective LCD display touchscreen digitizer assembly



DISPLAY ISSUES



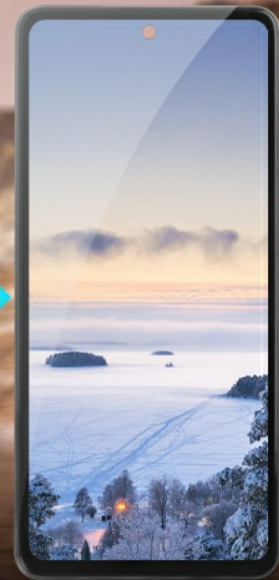
DEAD SCREEN



DUST SPOT



BLURRY PHOTOS



Examples include incorrect screen response, display issues, pixel distortion, cracked LCD screen,color errors, stale or frozen LCD

Image 8.1: Visual examples of various screen problems such as display issues, dead screens, dust spots, and blurry photos, which this replacement screen is designed to resolve.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact AGCUT customer service through the retailer where the product was purchased. Ensure you retain your proof of purchase.

Return Policy: The product has a 30-day return/replacement policy. Please refer to the retailer's specific return guidelines.