

SRJTEK G900

SRJTEK Samsung Galaxy S5 G900 LCD Screen Replacement Instruction Manual

Model: G900

Brand: SRJTEK

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1. INTRODUCTION

This manual provides detailed instructions for replacing the LCD screen and digitizer assembly on your Samsung Galaxy S5 (models G900M, G900A, G900T, G900FD). Please read all instructions carefully before beginning the repair process. This replacement screen is a TFT LCD and is not an original AMOLED display. While fully compatible, the display effect may differ from the original AMOLED screen. It offers a cost-effective solution for repairing faulty, cracked, broken, or non-functional screens.

2. SAFETY PRECAUTIONS

- **Power Off:** Always power off your device completely before starting any repair.
- **Battery Disconnection:** Disconnect the battery as soon as possible to prevent electrical shorts.
- **Static Electricity:** Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage electronic components.
- **Handle with Care:** LCD screens and digitizers are fragile. Handle them gently to avoid damage.
- **Eye Protection:** Wear safety glasses to protect your eyes from small debris or glass shards.
- **Non-Professional Installation:** Non-professional installation is not recommended. If you are unsure, seek professional assistance.

3. TOOLS REQUIRED

- Heat Gun or Hair Dryer

- Small Phillips Head Screwdriver
- Pry Tools (plastic spudger, opening picks)
- Suction Cup
- Tweezers
- Adhesive (B-7000 or T-8000 recommended)
- Clean Cloth

4. PREPARATION

1. **Backup Data:** Ensure all important data on your Samsung Galaxy S5 is backed up to prevent loss.
2. **Discharge Battery:** Partially discharge the battery (below 25%) to reduce the risk of fire if accidentally punctured during removal.
3. **Gather Tools:** Have all necessary tools readily available in a clean, well-lit workspace.

5. DISASSEMBLY OF THE OLD SCREEN

1. **Power Off Device:** Press and hold the power button, then select "Power off" to completely shut down your Samsung Galaxy S5.
2. **Remove Back Cover and Battery:** Carefully pry off the back cover using a plastic pry tool or your fingernail. Remove the battery.
3. **Heat the Screen Edges:** Use a heat gun or hair dryer to gently heat the edges of the screen for 1-2 minutes at approximately 180°C (356°F). This softens the adhesive holding the screen in place.
4. **Pry Open the Screen:** Attach a suction cup to the bottom of the screen. While gently pulling up on the suction cup, insert a thin pry tool (like a guitar pick or plastic spudger) into the seam between the screen and the frame. Carefully work your way around the edges, slowly separating the screen from the frame. Be extremely cautious around the home button and top sensor areas.
5. **Disconnect Flex Cables:** Once the screen is partially lifted, carefully disconnect the flex cables connecting the screen assembly to the main board. There will be cables for the display and the home button/fingerprint sensor.
6. **Remove Home Button Assembly:** Carefully remove the home button assembly from the old screen. This component will be transferred to the new screen.
7. **Clean the Frame:** Thoroughly clean any remaining adhesive residue from the phone's frame using a plastic tool or a soft brush. Ensure the frame is smooth and free of debris for proper adhesion of the new screen.

Your browser does not support the video tag.

Video: Samsung Galaxy S5 Screen Installation Guide. This video demonstrates the disassembly and reassembly process for the Samsung Galaxy S5 screen.

6. INSTALLATION OF THE NEW SCREEN

1. **Test the New Screen (Before Adhesion):** Before applying any adhesive, connect the new screen's flex cables to the main board. Reinstall the battery and power on the phone to test the display and touch functionality. Ensure there are no dead pixels, color issues, or touch response problems. Power off the device and disconnect the battery after testing.
2. **Apply Adhesive:** Apply a thin, even layer of B-7000 or T-8000 adhesive around the perimeter of the phone's frame where the screen will sit. Allow the adhesive to become tacky for about 10 minutes as per adhesive instructions.
3. **Install Home Button Assembly:** Carefully transfer the home button assembly from the old screen to the new screen, ensuring it is properly aligned and secured.

4. **Connect Flex Cables:** Carefully connect the new screen's flex cables to their respective connectors on the main board. Ensure they are seated correctly and securely.
5. **Position the New Screen:** Gently place the new screen onto the phone's frame, aligning it precisely. Press down firmly but evenly around the edges to secure it with the adhesive.
6. **Secure the Screen:** Use clamps or rubber bands to hold the screen firmly in place while the adhesive cures (typically 24 hours). Avoid excessive pressure that could damage the screen.
7. **Reinstall Battery and Back Cover:** Once the adhesive has cured, reinstall the battery and snap the back cover into place.



Ours

Others



Image: The new SRJTEK LCD screen and digitizer assembly for Samsung Galaxy S5. This image shows the complete screen unit with its flex cables.



Display Effect Comparison

Our screens is more high-definition, added polarizers, which can protect your eyes well. Compared with other cheaper screens, better brightness , higher resolution , more advanced visual experience



Image: Detailed view of the Samsung Galaxy S5 screen components, including the camera ring, screw, flex cable, and connector.

7. POST-INSTALLATION TESTING

After the adhesive has fully cured, power on your device and perform a thorough test:

- **Display Check:** Verify that the display shows clear images without any lines, spots, or discoloration.
- **Touch Functionality:** Test the touch screen across all areas, including typing, swiping, and multi-touch gestures.

- **Sensor Check:** Test proximity sensor, ambient light sensor, and home button functionality.
- **Camera Check:** Ensure front and rear cameras are working correctly.
- **Sound Check:** Test speakers and microphone.

Your browser does not support the video tag.

Video: Samsung Galaxy S5 G900 LCD Screen Replacement. This video demonstrates the testing process for the new screen.

8. TROUBLESHOOTING

- **Screen Not Turning On:** Double-check all flex cable connections. Ensure the battery is properly connected and charged.
- **Touch Not Responding:** Re-seat the digitizer flex cable. Ensure no debris is interfering with the connection.
- **Lines or Discoloration on Display:** This could indicate a faulty screen or a damaged flex cable. Re-check connections or consider replacing the screen.
- **Screen Lifting:** Ensure sufficient adhesive was applied and allowed to cure properly. Apply more adhesive if necessary and re-clamp.

9. PRODUCT SPECIFICATIONS

Feature	Detail
Compatible Models	Samsung Galaxy S5 (G900M, G900A, G900T, G900FD)
Display Type	TFT LCD (Not AMOLED)
Color	Black
Item Weight	3.24 ounces
Package Dimensions	7.76 x 3.03 x 0.87 inches

10. WARRANTY AND SUPPORT

SRJTEK products are subject to a standard return policy. For any issues or further assistance, please contact SRJTEK customer support. You may also find additional installation videos and resources on platforms like YouTube by searching for "Samsung Galaxy S5 screen replacement".

