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› PHONSUN Replacement LCD Main Flex Cable User Manual

PHONSUN G781U, G781V

PHONSUN Replacement LCD Main Flex Cable User Manual

For Samsung Galaxy S20 FE 5G G781U G781V (Fan Edition)

1. INTRODUCTION

This manual provides essential information regarding the PHONSUN Replacement LCD Screen Display Connection Mainboard Flex Cable. This component is designed to replace the original flex cable that connects the LCD display screen to the main logic board motherboard in compatible Samsung Galaxy S20 FE 5G models. It is intended for repair purposes when the original part is damaged or malfunctioning.

2. COMPATIBILITY

This replacement flex cable is specifically compatible with the following models:

- Samsung Galaxy S20 FE 5G (Fan Edition)
- Samsung Galaxy S20 FE 5G 2020 Fan Edition G781U
- Samsung Galaxy S20 FE 5G UW SM-G781V

Important: This part is NOT compatible with Samsung Galaxy S20, S20 Plus, or S20 Ultra models.

Compatible list:

Samsung
Galaxy S20

Not Fit



Samsung
Galaxy S20 FE
(Fan Edition)

Fit



Figure 2.1: Visual representation of product compatibility. The flex cable is designed for the Samsung Galaxy S20 FE (Fan Edition) and is not suitable for the standard Samsung Galaxy S20.

3. PRODUCT OVERVIEW

The PHONSUN Replacement LCD Main Flex Cable is a crucial internal component for your Samsung Galaxy S20 FE 5G. It serves as the primary connection pathway between the device's LCD display assembly and its main logic board, ensuring proper data and power transmission for screen functionality.



Figure 3.1: The PHONSUN Replacement LCD Main Flex Cable. This image shows the full length of the flex cable, highlighting its connectors and overall design.



**for Samsung Galaxy
S20 FE 5G G781U G781**

Figure 3.2: Detailed view of the flex cable, indicating the 'MAIN' and 'SUB' connection points and directional arrows for proper orientation during installation.



Figure 3.3: The PHONSUN Replacement LCD Main Flex Cable as supplied in its protective packaging.

4. INSTALLATION (SETUP)

The installation of this flex cable requires disassembling the smartphone. Due to the delicate nature of smartphone components and the complexity of the repair process, **professional technician installation is strongly recommended**. Incorrect installation can lead to further damage to your device.

This product includes the flex cable only. Detailed step-by-step installation instructions are not provided with the

component itself. It is advised to consult reputable online repair guides or videos specific to the Samsung Galaxy S20 FE 5G model for guidance, or to seek assistance from a certified repair service.

General considerations for installation:

- Ensure the device is powered off and disconnected from any power source before beginning.
- Use appropriate tools to prevent damage to screws and internal components.
- Handle the flex cable by its edges and avoid touching the gold contacts to prevent static discharge or contamination.
- Carefully align connectors before applying gentle, even pressure to seat them.
- Test the display functionality before fully reassembling the device.

5. OPERATING PRINCIPLES

The LCD Main Flex Cable serves as the critical data and power conduit between the smartphone's display assembly and its main logic board. Once correctly installed, it facilitates the transmission of video signals, touch input data, and power, enabling the display to function as intended. It does not require any user operation beyond its proper installation; its function is entirely internal and automatic once the device is powered on.

6. MAINTENANCE AND CARE

As an internal component, the flex cable itself requires no routine maintenance. However, proper care of your smartphone can extend the lifespan of all its internal parts, including the flex cable:

- **Avoid Physical Impact:** Drops or impacts can damage internal connections, including the flex cable.
- **Protect from Liquids:** Moisture can cause corrosion and short circuits.
- **Prevent Overheating:** Extreme temperatures can degrade electronic components.
- **Professional Repairs:** If your phone requires internal servicing, always ensure it is performed by qualified technicians to prevent damage to delicate components.

7. TROUBLESHOOTING

If you experience issues after replacing the flex cable, consider the following troubleshooting steps:

- **No Display or Intermittent Display:**
 - Ensure the flex cable is securely and correctly seated in both the LCD and mainboard connectors. A loose connection is a common cause of display issues.
 - Verify that the LCD assembly itself is not damaged.
- **Touchscreen Not Responding:**
 - Check the flex cable connections again.

- Confirm that the touchscreen digitizer is functioning correctly and is not damaged.

- **Device Not Powering On:**

- Ensure all internal components, including the battery connector, are properly reconnected.
- This issue is less likely to be directly caused by the display flex cable unless other components were dislodged during installation.

If issues persist after rechecking all connections and confirming compatibility, it is advisable to seek assistance from a professional smartphone repair technician. Attempting further repairs without proper knowledge and tools may cause irreversible damage.

8. SPECIFICATIONS

Feature	Detail
Product Type	Replacement LCD Screen Display Connection Mainboard Flex Cable
Compatibility	Samsung Galaxy S20 FE 5G G781U, G781V (Fan Edition)
Manufacturer	PHONSUN
Item Weight	0.634 ounces
Package Dimensions	6.14 x 3.43 x 0.47 inches
ASIN	B094H2JH8D
Date First Available	August 17, 2020

9. WARRANTY AND SUPPORT

Specific warranty information for this replacement part is not provided within this manual. For details regarding warranty coverage, return policies, or technical support, please contact the seller or the manufacturer, PHONSUN, directly through their official channels or the platform where the product was purchased. It is recommended to retain your proof of purchase for any warranty or support claims.

ASK A QUESTION ABOUT THIS MANUAL

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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

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