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› LCDOLED Replacement LCD Display Screen Panel for ASUS TUF Gaming F15 FX506 (60Hz - 30Pin Connector) Instruction Manual

LCDOLED FX506

LCDOLED Replacement LCD Display Screen Panel

For ASUS TUF Gaming F15 FX506 Series (60Hz - 30Pin Connector)

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your LCDOLED Replacement LCD Display Screen Panel. This product is designed as a direct replacement for specific ASUS TUF Gaming F15 FX506 series laptop models. Please read this manual thoroughly before proceeding with installation to ensure correct procedure and prevent damage.

Compatible Models: ASUS TUF Gaming F15 FX506, FX506H, FX506L, FX506LU, FX506LH, FX506LI, FX506HE, FX506HC, FX506HM.

Key Specifications: 15.6 inches, 60Hz Refresh Rate, 72% NTSC Gamut, IPS Panel, FHD 1920x1080 Resolution, EDP 30-pin Connector.

IMPORTANT SAFETY INFORMATION

WARNING: Installation of this LCD screen requires technical expertise and should ideally be performed by a qualified professional. Improper installation can lead to damage to the screen, laptop, or personal injury.

- Always disconnect the laptop's power adapter and battery before beginning any installation.
- Handle the LCD panel with extreme care. Avoid touching the screen surface directly.
- Wear anti-static gloves or use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Do not apply excessive force when connecting or disconnecting cables.
- Keep small parts and tools away from children.

PACKAGE CONTENTS

Your package should contain the following item:

- 1 x LCDOLED Replacement LCD Display Screen Panel (15.6 inches, 60Hz, 30-pin connector)

Please Note: This package includes the LCD screen ONLY. It does not include any additional components such as the LCD cable, touch screen digitizer, bezel, back cover, hinges, instruction manual (other than this digital guide), or installation tools. Please retain your original laptop parts for reassembly.

SETUP AND INSTALLATION

This section outlines the general steps for replacing your laptop's LCD screen. Specific disassembly and reassembly procedures may vary by laptop model. It is highly recommended to consult your laptop's official service manual or a reputable online guide for your exact model before proceeding.

1. Preparation:

Ensure your laptop is completely powered off and disconnected from the power adapter. Remove the laptop battery if it is external or disconnect the internal battery connector from the motherboard.

2. Disassembly:

Carefully disassemble the laptop's display assembly. This typically involves removing screws from the bottom case, detaching the keyboard/palm rest, and then separating the display bezel from the LCD panel. Use appropriate tools to avoid scratching or damaging components.

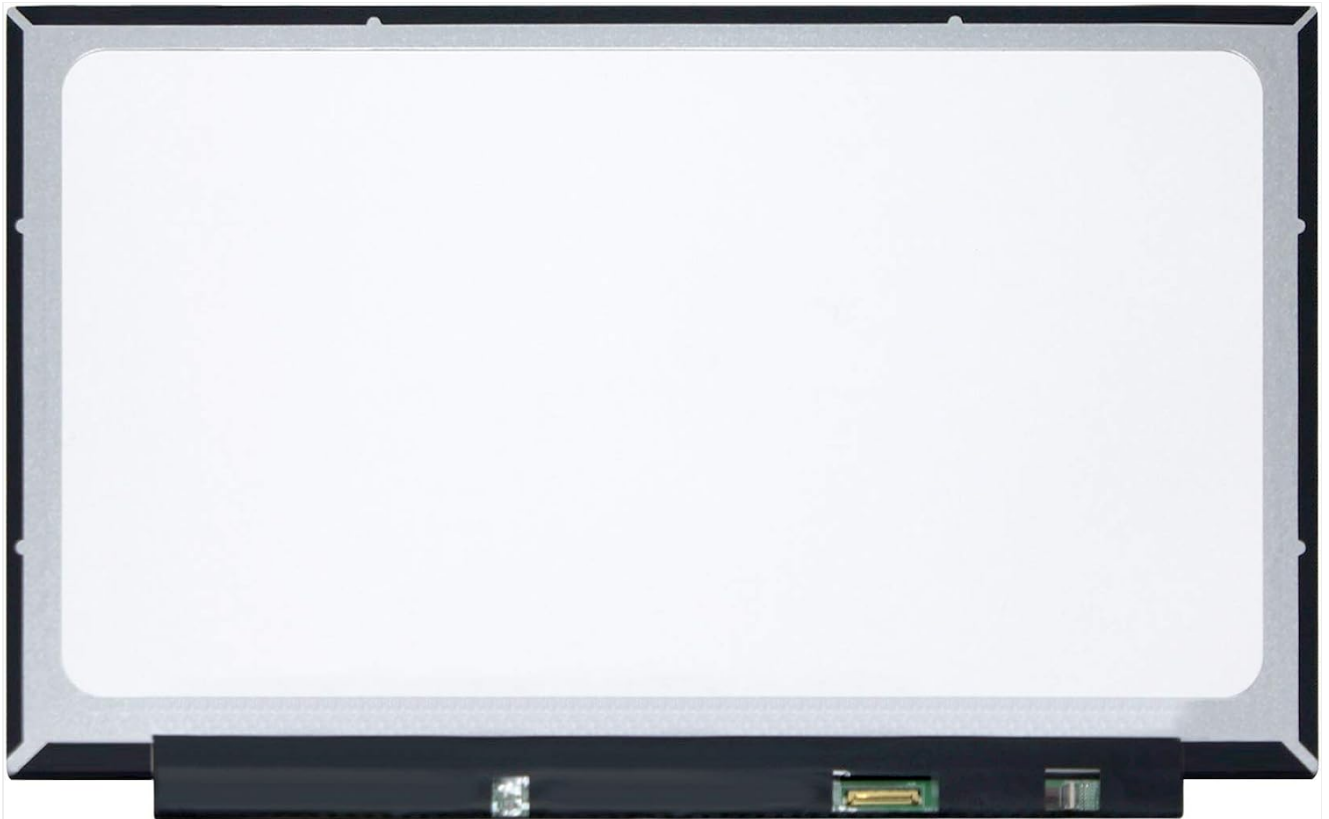


Image: Front view of the LCDOLED replacement screen panel. This image shows the display surface and the surrounding frame, indicating the overall appearance of the new screen.

3. Disconnect Old Screen:

Once the old LCD panel is accessible, carefully disconnect the EDP (Embedded DisplayPort) cable from the back of the screen. This is typically a 30-pin connector. Also, detach any adhesive strips or mounting brackets securing the old screen.

4. Connect New Screen:

Align the new LCD/OLED replacement screen panel with the mounting points in the laptop's display assembly. Carefully connect the laptop's EDP 30-pin cable to the corresponding connector on the back of the new screen. Ensure the connection is secure and properly seated.



Image: Close-up view of the 30-pin EDP connector located on the back of the LCD screen. This connector is crucial for transmitting video signals and power to the display.

5. Initial Test:

Before fully reassembling the laptop, temporarily connect the battery and power adapter. Power on the laptop to verify that the new screen functions correctly, displays an image, and has no visible defects. If issues arise, power off immediately and recheck all connections.

6. Reassembly:

If the screen test is successful, proceed with reassembling the laptop's display assembly and the rest of the laptop in reverse order of disassembly. Ensure all screws are tightened appropriately and cables are routed correctly.

OPERATING INSTRUCTIONS (POST-INSTALLATION)

After successful installation, your new LCD screen should function automatically. Here are some steps to verify and adjust display settings:

1. Verify Refresh Rate:

To confirm the screen is operating at its specified 60Hz refresh rate:

- Right-click on an empty area of your desktop.
- Select "Display settings."
- Scroll down and click "Advanced display settings."
- Under "Display information," check the "Refresh rate (Hz)" value. It should show 60Hz.

2. Adjust Display Resolution:

Ensure the display resolution is set to its native Full HD (1920x1080) for optimal clarity. This can be adjusted in the "Display settings" window.

3. **Color Calibration:**

If colors appear incorrect, you may perform a color calibration through your operating system's display settings or graphics card control panel.

MAINTENANCE

Proper care will extend the lifespan and maintain the performance of your LCD screen:

• **Cleaning the Screen:**

Use a soft, lint-free microfiber cloth specifically designed for electronics. Lightly dampen the cloth with water or a screen-cleaning solution (avoid ammonia-based cleaners). Gently wipe the screen in one direction to remove dust and smudges. Do not spray liquid directly onto the screen.

• **Handling:**

Avoid pressing on the screen surface with sharp objects or excessive force. Close the laptop lid gently.

• **Environmental Conditions:**

Keep the laptop in a clean, dry environment. Avoid extreme temperatures and direct sunlight, which can degrade the display over time.

TROUBLESHOOTING

If you encounter issues after installing your new LCD screen, consider the following troubleshooting steps:

• **No Display / Black Screen:**

- Ensure the EDP 30-pin connector is securely seated on both the screen and the motherboard.
- Verify that the laptop's internal battery is properly connected or reconnected.
- Test with an external monitor to confirm the laptop's graphics card is functioning.

• **Flickering / Distorted Image:**

- Check the EDP cable for any damage or improper connection.
- Ensure the display drivers are up to date. Visit the ASUS support website for your laptop model.

• **Incorrect Refresh Rate (Not 60Hz):**

- Follow the steps in the "Operating Instructions" section to manually set the refresh rate to 60Hz.
- Confirm that your laptop's graphics settings are not overriding the display's capabilities.

• **Physical Damage (Cracks, Lines):**

If physical damage occurred during installation, it is typically not covered under warranty. Handle the screen with extreme care.

If these steps do not resolve the issue, please contact LCDOLED customer support or a professional repair service.

SPECIFICATIONS

Feature	Specification
Brand	LCDOLED

Feature	Specification
Screen Size	15.6 inches
Resolution	FHD 1920x1080
Refresh Rate	60Hz
Panel Type	IPS Panel
Color Gamut	72% NTSC
LCD Connector	EDP 30-pin
Backlight	LED LCD
Screen Surface	Glossy
Compatible Devices	ASUS TUF Gaming F15 FX506, FX506H, FX506L, FX506LU, FX506LH, FX506LI, FX506HE, FX506HC, FX506HM

Warranty and Support

This LCDOLED Replacement LCD Display Screen Panel comes with a **3-month limited warranty** from the date of purchase. This warranty covers manufacturing defects but does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Before contacting support, please ensure you have:

- Verified your laptop model and the screen's specifications (60Hz, 30-pin connector).
- Reviewed the troubleshooting section of this manual.
- Checked all cable connections.

For warranty claims or technical assistance, please contact LCDOLED customer support through the platform where you purchased the product. Be prepared to provide your order number, product details, and a clear description of the issue.

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