

## LG LP156WHB(TP)(C1)

# LG LP156WHB(TP)(C1) 15.6-inch Laptop Replacement Screen User Manual

Model: LP156WHB(TP)(C1)



## INTRODUCTION

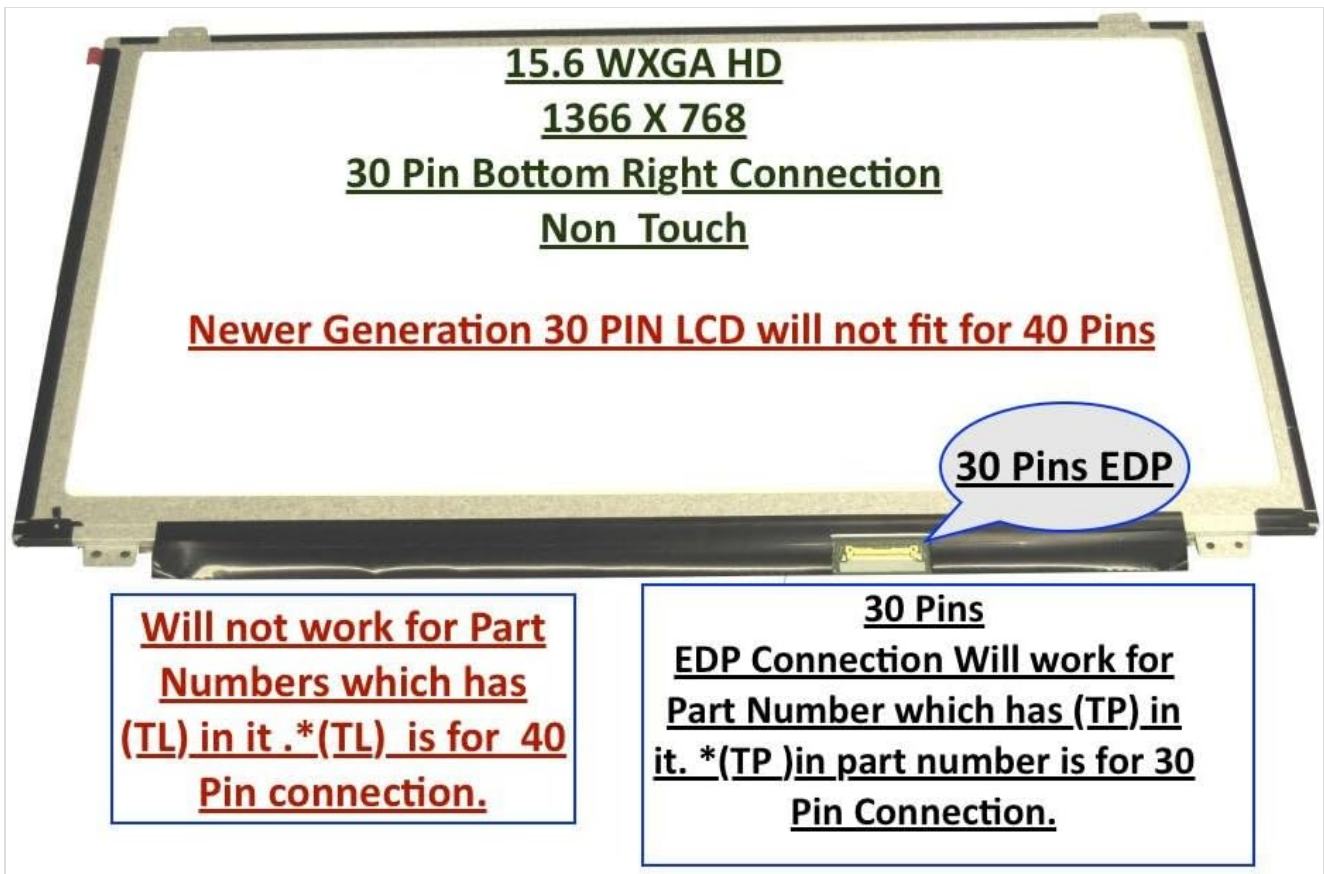
This manual provides essential information for the installation, operation, and maintenance of your LG LP156WHB(TP)(C1) 15.6-inch LED HD Matte laptop replacement screen. Please read these instructions carefully before proceeding with installation to ensure proper function and to avoid damage.

## IMPORTANT COMPATIBILITY INFORMATION

**Critical Note: This replacement screen is specifically designed for systems requiring a 30-pin eDP (Embedded DisplayPort) connection. It is NOT compatible with 40-pin connections.**

Many LG part numbers, particularly those with "(TL)" in their designation (e.g., LP156WHB(TL)(XX)), indicate a 40-pin connection. This screen, identified by "(TP)" in its part number (LP156WHB(TP)(C1)), is exclusively for 30-pin connections.

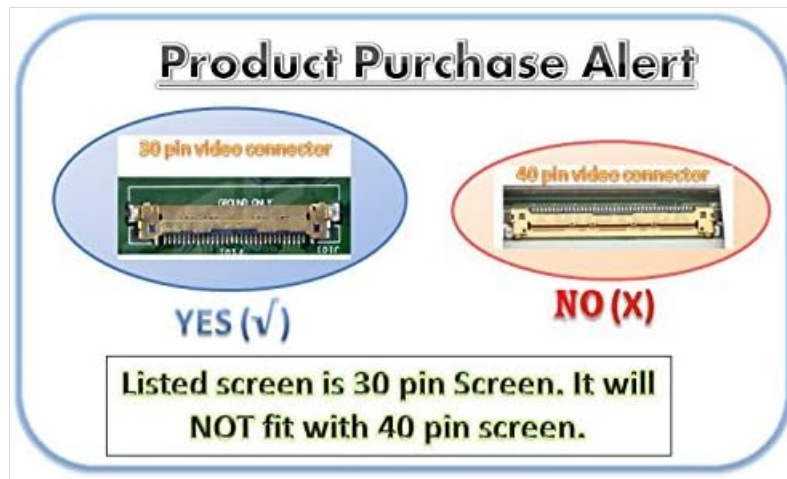
Before installation, it is imperative to verify the pin count of your original screen's video connector. Incorrect pin count will result in incompatibility and potential damage.



**Image 1:** Overview of the 30-pin WXGA HD non-touch screen, highlighting the 30-pin bottom right connection and explicitly stating incompatibility with 40-pin connections. It clarifies that "(TL)" in part numbers indicates 40 pins, while "(TP)" indicates 30 pins.



**Image 2:** A clear view of the 15.6-inch 30-pin WXGA HD non-touch LED screen, displaying its key specifications directly on the panel.



**Image 3:** A comparative image illustrating the difference between a 30-pin video connector (compatible, marked 'YES') and a 40-pin video connector (incompatible, marked 'NO'). This visual aid is critical for preventing incorrect purchases.



**Image 4:** A clear close-up of a 30-pin video connector, providing a detailed view for identification and confirming compatibility with the replacement screen.

## SETUP AND INSTALLATION

Replacing a laptop screen requires careful handling and some technical proficiency. If you are not comfortable performing this procedure, it is recommended to seek assistance from a qualified technician.

### Safety Precautions:

- **Disconnect Power:** Always unplug your laptop from the power adapter and remove the battery before starting any repair.
- **Static Discharge:** Wear an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD), which can damage electronic components.
- **Handle with Care:** Laptop screens are fragile. Avoid applying pressure to the screen surface. Hold the screen by its edges.
- **Organize Screws:** Keep track of all screws removed, noting their original locations, as they can vary in size and type.

### General Installation Steps (May vary by laptop model):

1. **Prepare Workspace:** Work on a clean, well-lit, and static-free surface.
2. **Remove Bezel:** Carefully pry off the plastic bezel surrounding the screen. This may involve removing rubber screw covers and screws first.
3. **Unscrew Old Screen:** Remove the screws holding the old screen to the laptop lid's metal brackets.
4. **Disconnect Video Cable:** Gently lay the old screen face down on the keyboard. Carefully peel back any tape

securing the video cable connector and disconnect the 30-pin eDP cable from the back of the old screen.

5. **Connect New Screen:** Connect the 30-pin eDP video cable to the new replacement screen, ensuring it is fully seated and secured with any original tape.
6. **Mount New Screen:** Position the new screen into the laptop lid and secure it with the screws previously removed.
7. **Test Display:** Before reattaching the bezel, temporarily connect the battery and power adapter to test the new screen. Power on the laptop to ensure the display functions correctly.
8. **Reattach Bezel:** If the screen functions correctly, disconnect power, then carefully snap or screw the bezel back into place.

## OPERATING THE DISPLAY

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Once installed, the replacement screen functions as the primary display for your laptop. No special operation is required beyond standard laptop usage.

### Display Settings:

- **Resolution:** The native resolution of this screen is 1366 x 768 (WXGA HD). Ensure your operating system is set to this resolution for optimal clarity.
- **Brightness/Contrast:** Adjust display brightness and contrast settings through your laptop's operating system display settings or keyboard function keys.

## MAINTENANCE

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Proper maintenance helps prolong the life and maintain the clarity of your laptop screen.

### Cleaning the Screen:

- **Power Off:** Always turn off your laptop and unplug it before cleaning the screen.
- **Soft Cloth:** Use a soft, lint-free microfiber cloth.
- **Gentle Cleaning Solution:** For stubborn smudges, lightly dampen the cloth with water or a specialized screen cleaner. Never spray liquid directly onto the screen.
- **Wipe Gently:** Wipe the screen gently in one direction, avoiding excessive pressure.
- **Avoid Harsh Chemicals:** Do not use alcohol, ammonia, or abrasive cleaners, as these can damage the matte finish or screen coating.

## TROUBLESHOOTING

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If you encounter issues after installing your new screen, refer to the following common troubleshooting steps:

- **No Display/Black Screen:**
  - Ensure the 30-pin video cable is securely connected to both the screen and the laptop's motherboard.
  - Verify that the screen is indeed a 30-pin model and your laptop requires a 30-pin connection (refer to Compatibility Information).
  - Check if the laptop is outputting video to an external monitor. If it does, the issue might be with the screen or its connection.
- **Flickering/Intermittent Display:**
  - Reseat the video cable connection on both ends.
  - Check for any physical damage to the video cable or its connector.

- Ensure the screen is properly seated in its brackets and not under undue stress.
- **Incorrect Colors/Distorted Image:**
  - Verify the video cable connection.
  - Update or reinstall your laptop's graphics drivers.
  - Check display settings in your operating system for color calibration.
- **Dead Pixels/Lines on Screen:**
  - This may indicate a defective screen. Contact the seller or manufacturer for assistance.

## SPECIFICATIONS

Feature	Detail
Model Number	LP156WHB(TP)(C1)
Screen Size	15.6 Inches
Resolution	1366 x 768 (WXGA HD)
Display Technology	LED
Surface Type	Matte
Video Connector	30 Pin eDP (Bottom Right)
Touchscreen	No (Non-Touch)
Item Weight	8 ounces
Product Dimensions	14.1 x 0.32 x 1 inches

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by your seller or contact the point of purchase. Keep your purchase receipt as proof of purchase.

