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> ZJSWTH 603mm LED Backlight Strip for RCA 70 TV (Models RWOSU6549-B, SJ.QA.D6500601-3030DS-M, AE0110652) - Installation and Maintenance Guide

ZJSWTH ZJSWTH456

ZJSWTH 603mm LED Backlight Strip Instruction Manual

For RCA 70 TV Models: RWOSU6549-B, SJ.QA.D6500601-3030DS-M, AE0110652

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your ZJSWTH 603mm LED Backlight Strip. This product is designed as a replacement component for specific RCA 70-inch television models, including RWOSU6549-B, SJ.QA.D6500601-3030DS-M, and AE0110652. Please read this manual thoroughly before attempting any installation to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety when working with electronic components. Improper handling or installation can lead to damage to the product, the television, or personal injury.

- **Disconnect Power:** Always unplug the television from the power outlet before beginning any disassembly or installation.
- **Static Electricity:** Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage sensitive electronic components.
- **Handle with Care:** LED strips are delicate. Avoid bending, twisting, or applying excessive force. Handle them by the edges.
- **Professional Installation Recommended:** If you are not comfortable with electronic repairs, seek assistance from a qualified technician.
- **Verify Compatibility:** Double-check the model numbers and specifications of your TV and the backlight strip before installation.

3. PACKAGE CONTENTS

Your package should contain the following item:

- ZJSWTH 603mm LED Backlight Strip (Quantity may vary based on TV model requirements)

Note: Additional tools required for installation (e.g., screwdrivers, prying tools) are not included.

4. SPECIFICATIONS

Feature	Detail
Model Number	ZJSWTH456
Length	603mm (approx. 23.7 inches)
Compatibility	RCA 70 TV models: RWOSU6549-B, SJ.QA.D6500601-3030DS-M, AE0110652
Item Weight	1.76 ounces
Package Dimensions	1.18 x 0.79 x 0.39 inches
Manufacturer	ZJSWTH

5. INSTALLATION (SETUP)

Replacing LED backlight strips in a television requires careful disassembly and reassembly. Proceed with caution and ensure you have the necessary tools and a clean, static-free workspace.

- Preparation:** Unplug the TV from all power sources. Place the TV screen-down on a soft, clean surface to prevent scratches.
- Disassembly:** Carefully remove the TV's back cover, stand, and any internal components (e.g., main board, power supply board, speakers) that obstruct access to the display panel. Document screw locations and cable connections.
- Panel Removal:** With extreme care, remove the LCD panel and diffuser layers. These components are very fragile. It is often recommended to have a second person assist with this step for larger TVs.
- Old Strip Removal:** Locate the existing LED backlight strips. Gently disconnect their power connectors and carefully peel them off the TV chassis. Note their orientation and placement.
- New Strip Installation:** Align the new ZJSWTH LED backlight strips in the exact positions of the old ones. Ensure all connectors are properly seated and secured. Many strips have adhesive backing; remove the protective film and press firmly to secure them.
- Testing (Before Full Reassembly):** Temporarily connect the power supply board and main board. Plug in the TV and power it on briefly to verify that the new backlight strips illuminate correctly and uniformly. Immediately unplug the TV after testing.
- Reassembly:** Carefully reassemble the diffuser layers, LCD panel, and all other internal components in reverse order of disassembly. Ensure all cables are connected and screws are tightened appropriately.
- Final Test:** Once fully reassembled, plug in the TV and power it on to confirm full functionality.

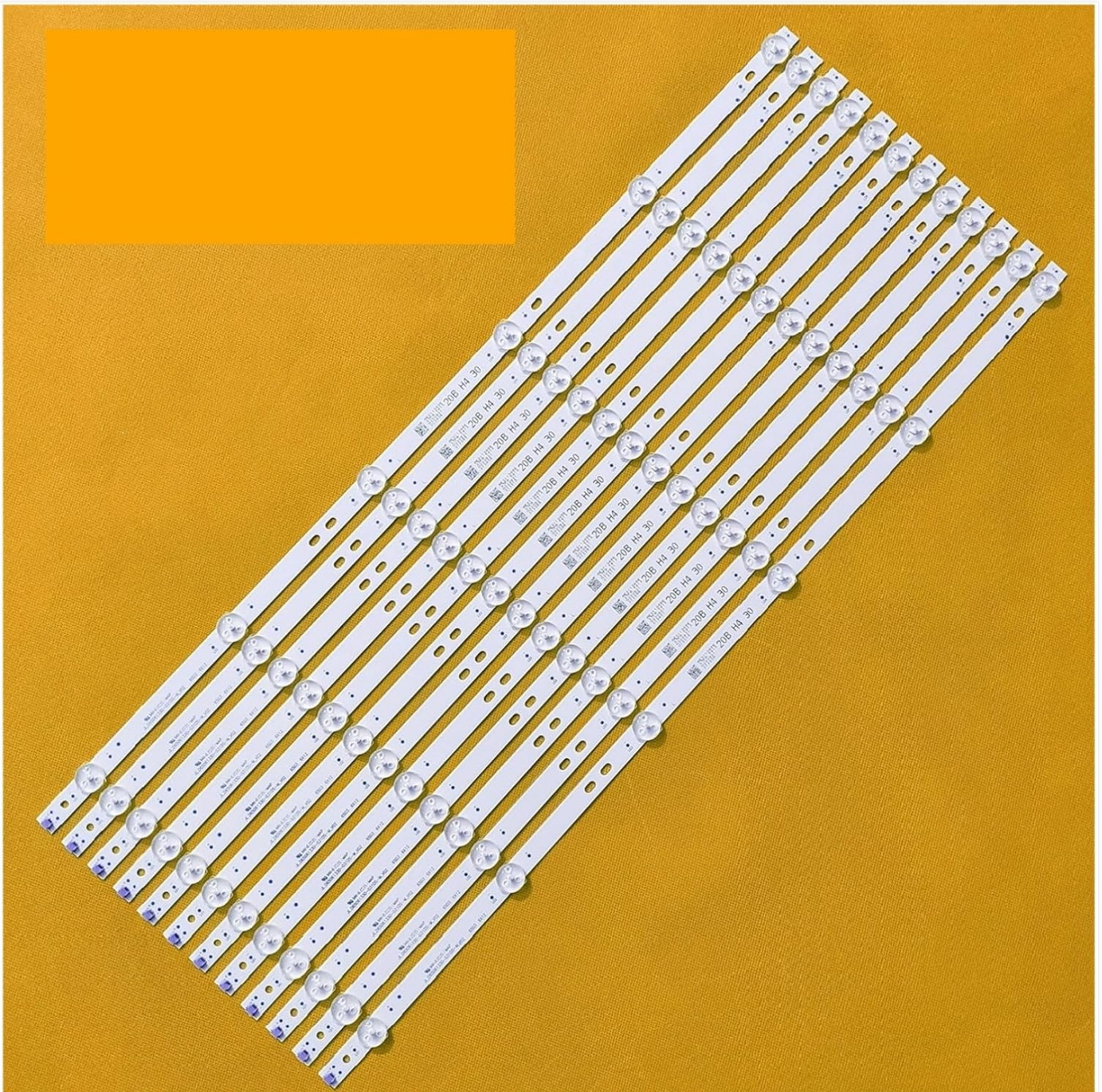


Figure 1: ZJSWTH 603mm LED Backlight Strips. This image displays a set of ZJSWTH 603mm LED backlight strips. Each strip features multiple individual LED lights with clear lenses, designed for uniform illumination. The strips are white with visible circuit traces and connection points at the ends, indicating their modular design for installation within a television panel.

6. OPERATION

Once correctly installed, the ZJSWTH LED Backlight Strip operates automatically as an integral part of your television's display system. It will illuminate when the TV is powered on and provide the necessary backlighting for the LCD panel to display images.

7. MAINTENANCE

The LED backlight strips are designed for long-term, maintenance-free operation once installed. However, to ensure the longevity of your television and its components:

- **Avoid Physical Impact:** Protect your television from impacts or pressure on the screen, which can damage internal components, including the backlight strips.

- **Keep Clean:** Regularly clean the exterior of your television with a soft, dry cloth. Avoid spraying liquids directly onto the screen or vents.
- **Ventilation:** Ensure the TV's ventilation openings are not blocked to prevent overheating, which can reduce the lifespan of electronic components.

8. TROUBLESHOOTING

If you encounter issues after installing the backlight strips, consider the following:

- **No Backlight / Dim Screen:**
 - Verify all power connectors to the LED strips are securely attached.
 - Ensure the power supply board is functioning correctly and providing voltage to the backlight circuit.
 - Check for any visible damage to the new LED strips or their connections.
- **Flickering Backlight:**
 - This could indicate a loose connection or a faulty LED driver circuit on the power supply board.
 - Ensure the TV's internal cables are not pinched or damaged during reassembly.
- **Uneven Brightness / Dark Spots:**
 - Check if all diffuser layers and the LCD panel were reinstalled correctly and are seated without gaps.
 - Inspect the LED strips for any individual non-illuminating LEDs.

If troubleshooting steps do not resolve the issue, it may indicate a problem with other TV components or require professional repair.

9. WARRANTY AND SUPPORT

Specific warranty information for this ZJSWTH LED Backlight Strip is not provided in the product details. For any warranty claims, technical support, or further assistance, please contact the seller or manufacturer directly through your purchase platform.

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