

## RCA LED40HG45R

# RCA LED40HG45R TV Main Board Installation and User Manual

Model: LED40HG45R | Part Number: 395GE0010366-A1

## INTRODUCTION

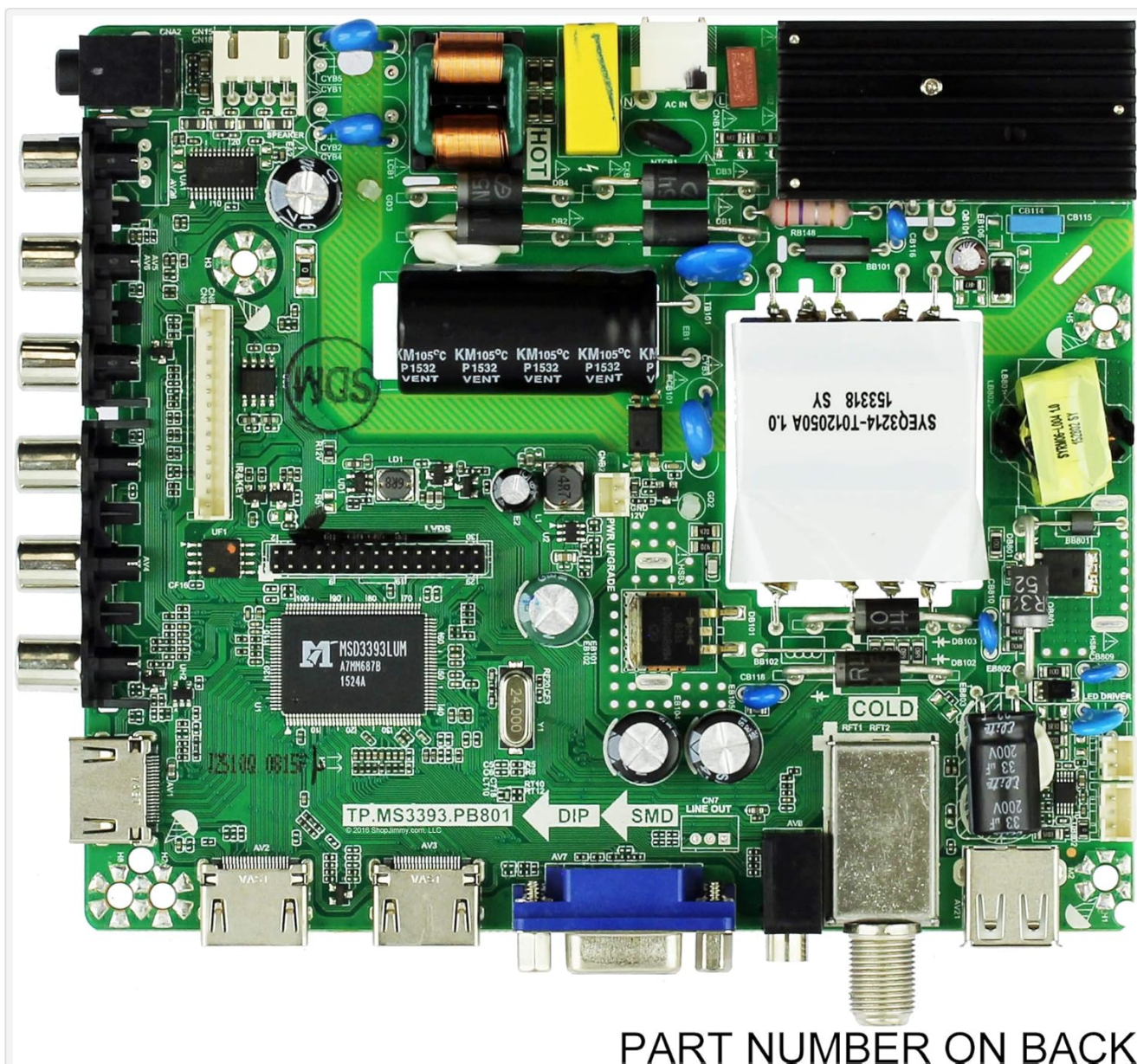
This manual provides essential information for the installation, operation, and maintenance of the RCA LED40HG45R TV Main Board, part number 395GE0010366-A1. This component is a direct replacement part designed to restore functionality to compatible RCA LED40HG45R television models. Please read all instructions carefully before proceeding with installation.

## PRODUCT OVERVIEW

The main board is the central processing unit of your television, responsible for managing all input signals, video processing, audio output, and overall system control. This specific board, identified by part number 395GE0010366-A1, is compatible with the RCA LED40HG45R TV model.

### Key Identification Numbers:

- Main Part Number: **395GE0010366-A1**
- Additional Board Number: **TP.MS3393.PB801**
- Other Identifier: **B13094933**



**Figure 1:** Front view of the RCA LED40HG45R TV Main Board (P/N 395GE0010366-A1). This image displays the various integrated circuits, capacitors, and input/output ports on the component side of the board.



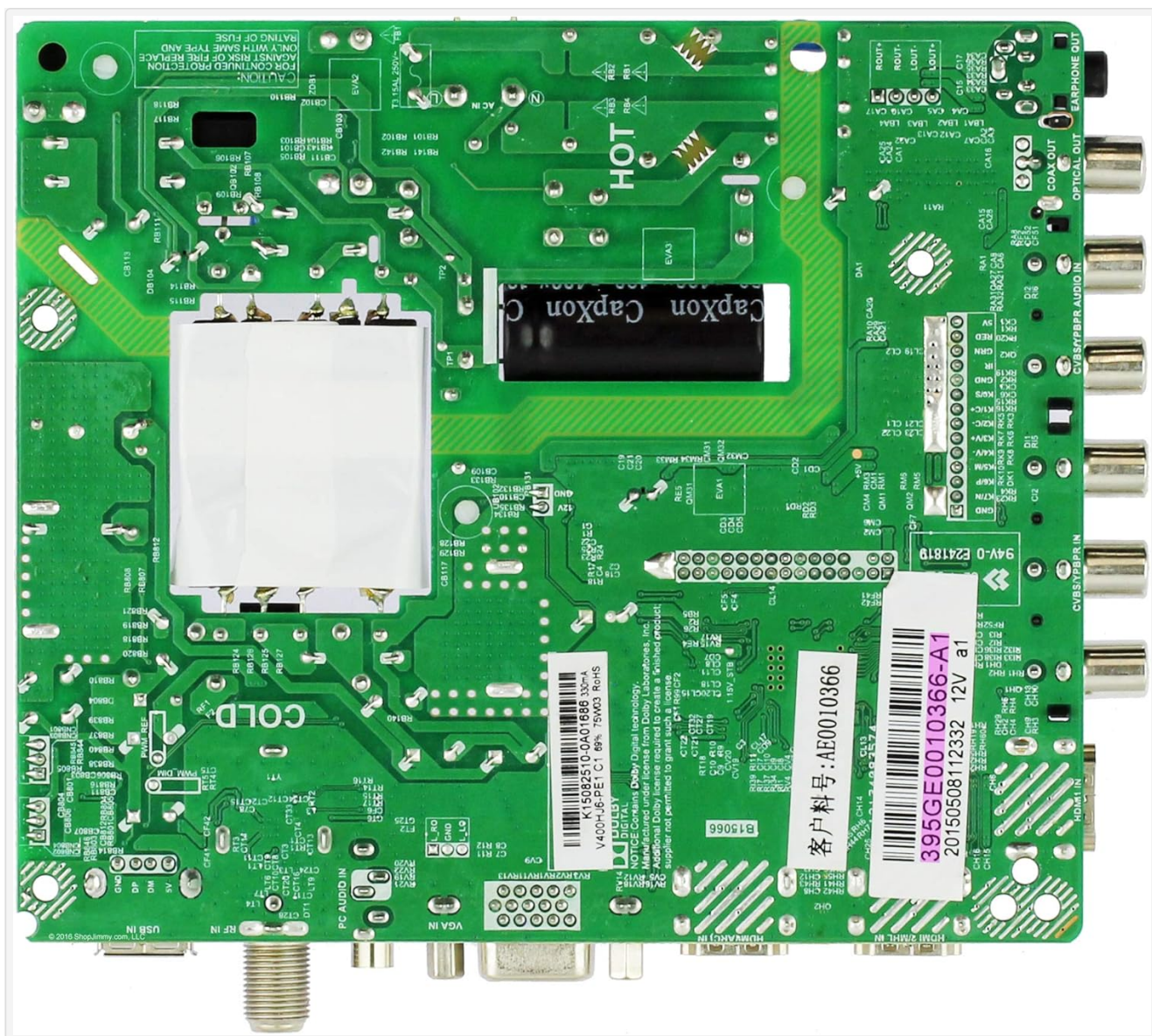


Figure 2: Back view of the RCA LED40HG45R TV Main Board. This view clearly shows the part number sticker, **395GE0010366-A1**, which is crucial for verifying compatibility and ensuring the correct replacement part is used.

## SETUP AND INSTALLATION

**Warning: Television repair should only be performed by qualified technicians. High voltages are present inside televisions, which can cause serious injury or death. Always unplug the TV from the power outlet and allow capacitors to discharge before beginning any work.**

### Required Tools:

- Phillips head screwdriver
- Flathead screwdriver (optional, for prying)
- Anti-static wrist strap (recommended)
- Clean, soft cloth

### Installation Steps:

1. **Safety First:** Disconnect the television from all power sources and external devices. Place the TV face down on a soft, clean surface to protect the screen.
2. **Remove Back Cover:** Unscrew and carefully remove the back cover of the television. Keep track of all

screws.

3. **Locate Main Board:** Identify the existing main board. It is typically the largest circuit board with numerous input/output ports.
4. **Disconnect Cables:** Carefully disconnect all cables and connectors attached to the main board. Take photos or make notes of cable placements to aid reassembly. Be gentle to avoid damaging connectors.
5. **Remove Old Board:** Unscrew the main board from the TV chassis. Lift it out carefully.
6. **Install New Board:** Position the new RCA LED40HG45R TV Main Board (P/N 395GE0010366-A1) into place, ensuring all mounting holes align. Secure it with the screws removed earlier.
7. **Reconnect Cables:** Reconnect all cables and connectors to their correct positions on the new board. Double-check each connection for proper seating.
8. **Test Functionality:** Before replacing the back cover, temporarily connect the TV to power and an input source (e.g., antenna, HDMI device). Power on the TV and verify that it functions correctly (picture, sound, input switching).
9. **Final Assembly:** If the TV functions correctly, disconnect power, then reattach the back cover and secure all screws.

## OPERATING PRINCIPLES

The RCA LED40HG45R TV Main Board is an internal component that enables the overall operation of your television. Once correctly installed, the TV will function as designed, allowing you to access various inputs, adjust settings, and display content. There are no direct operating controls on the main board itself; all operations are performed via the television's remote control or integrated buttons.

## MAINTENANCE

The main board itself requires no routine maintenance. To ensure its longevity and proper function:

- **Keep Clean:** Ensure the television's ventilation openings are clear of dust and debris to prevent overheating.
- **Avoid Spills:** Prevent liquids from entering the television chassis.
- **Proper Handling:** When handling the board, always use anti-static precautions to prevent damage from electrostatic discharge (ESD).
- **Stable Power:** Connect the TV to a stable power source, preferably with surge protection, to prevent damage from power fluctuations.

## TROUBLESHOOTING

If your television experiences issues after main board replacement, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
No Power / TV does not turn on	Loose power cable, faulty power supply, incorrect board installation.	Check power cable connection. Verify all internal cables are securely connected to the main board. Ensure the power supply board is functional.

Symptom	Possible Cause	Solution
No Picture / Black Screen	Loose LVDS cable, faulty T-Con board, incorrect input selection.	Ensure the LVDS cable (connecting main board to T-Con/panel) is securely seated. Check input source.
No Sound	Loose speaker cables, incorrect audio settings, faulty audio amplifier on main board.	Verify speaker connections. Check TV audio settings.
Input Not Detected	Loose HDMI/AV cable, damaged input port.	Ensure external device cables are securely connected to the correct input port on the TV. Try a different input port or cable.
TV Freezes or Restarts	Software issue, overheating, faulty main board component.	Ensure adequate ventilation. If issues persist, professional diagnosis may be required.

If these steps do not resolve the issue, it is recommended to consult a qualified television repair technician.

## SPECIFICATIONS

Feature	Detail
Manufacturer	RCA
Compatible TV Model	RCA LED40HG45R
Part Number	395GE0010366-A1
Other Board Numbers	TP.MS3393.PB801, B13094933
Compatible Devices	Television
Date First Available	April 14, 2016
UPC	640746699399

## WARRANTY INFORMATION

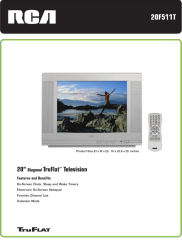

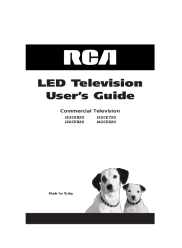


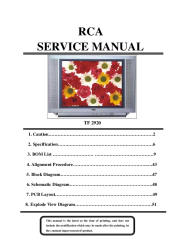
Warranty coverage for this replacement main board is typically provided by the seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for specific details regarding warranty terms, duration, and claim procedures. Keep your proof of purchase for any warranty claims.

## SUPPORT

For technical assistance or further inquiries regarding the RCA LED40HG45R TV Main Board, please contact the retailer or seller from whom you purchased the product. If you are unsure about any installation steps or troubleshooting procedures, it is highly recommended to seek assistance from a certified television repair professional.



## Related Documents - LED40HG45R

 <p><b>RCA</b> 20F511T</p> <p>20" TruFlat™ Television</p> <p>Features include:</p> <ul style="list-style-type: none"> <li>• 20" TruFlat™ Screen</li> <li>• 16:9 Aspect Ratio</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> </ul> <p>TruPLAY</p>	<p><a href="#">RCA 20F511T 20-Inch TruFlat Television Specifications and Features</a></p> <p>Detailed specifications and features for the RCA 20F511T 20-inch TruFlat Television, including picture, sound, convenience, connections, and remote control information.</p>
 <p><b>RCA</b></p> <p>20" Stereo Television</p> <p>Features include:</p> <ul style="list-style-type: none"> <li>• 20" Stereo Screen</li> <li>• 16:9 Aspect Ratio</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> <li>• 1000 Lines of Resolution</li> </ul>	<p><a href="#">RCA F20648 20-Inch Stereo Television - Product Overview and Features</a></p> <p>Detailed overview of the RCA F20648 20-inch Stereo Television, including its high-performance video and sound features, convenience functions like the GUIDE Plus+ GOLD program guide, connection options, specifications, and warranty information.</p>
 <p><b>RCA</b></p> <p>LED Television User's Guide</p> <p>Commercial Television</p> <p>Models: J22CE820, J26CE820, J32CE720, J42CE820</p>	<p><a href="#">RCA Commercial LED Television User's Guide: Models J22CE820, J26CE820, J32CE720, J42CE820</a></p> <p>Comprehensive user's guide for RCA Commercial LED Televisions, covering setup, connections, operation, features, and troubleshooting for models J22CE820, J26CE820, J32CE720, and J42CE820.</p>
 <p><b>RCA</b></p> <p>INSTRUCTION MANUAL</p> <p>Before using the TV, please read this manual thoroughly and retain it for future reference.</p> <p>Model: RNSMU5836</p>	<p><a href="#">RCA RNSMU5836 58-inch 4K UHD Smart TV Instruction Manual</a></p> <p>Comprehensive instruction manual for the RCA RNSMU5836 58-inch 4K UHD Smart TV. Covers setup, connections, smart features, menu options, and troubleshooting for optimal user experience.</p>
 <p><b>RCA</b></p> <p>USER'S MANUAL</p> <p>LED TV SET</p> <p>iRB24</p>	<p><a href="#">RCA iRB24 LED TV User Manual - Setup and Operation Guide</a></p> <p>Get started with your RCA iRB24 LED TV. This user manual covers installation, remote control, picture and sound settings, channel tuning, and troubleshooting for your RCA television.</p>
 <p><b>RCA</b></p> <p>SERVICE MANUAL</p> <p>TF 2920</p> <p>1. Contents ..... 2</p> <p>2. Specifications ..... 3</p> <p>3. Parts List ..... 4</p> <p>4. Alignment Procedure ..... 5</p> <p>5. Back Diagram ..... 6</p> <p>6. Schematic Diagram ..... 7</p> <p>7. PCB Layout ..... 8</p> <p>8. Testable Test Diagram ..... 9</p>	<p><a href="#">RCA TF 2920 Service Manual - Technical Guide</a></p> <p>Comprehensive service manual for the RCA TF 2920 television, detailing specifications, BOM, schematics, alignment procedures, and safety information for service technicians.</p>

