

## Ttgsbhj RSAG7.820.9863

# Ttgsbhj RSAG7.820.9863 TV Power Supply Board Instruction Manual

Compatible with Hisense 75E3D-PR0, 75E3D, and 70E3D Television Models

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Ttgsbhj RSAG7.820.9863 TV Power Supply Board. This replacement board is designed for specific Hisense television models, including 75E3D-PR0, 75E3D, and 70E3D. Please read this manual thoroughly before proceeding with any installation or repair work.

The RSAG7.820.9863 power board is a critical component responsible for supplying power to various parts of your television. Proper handling and installation are crucial for both your safety and the functionality of your TV.

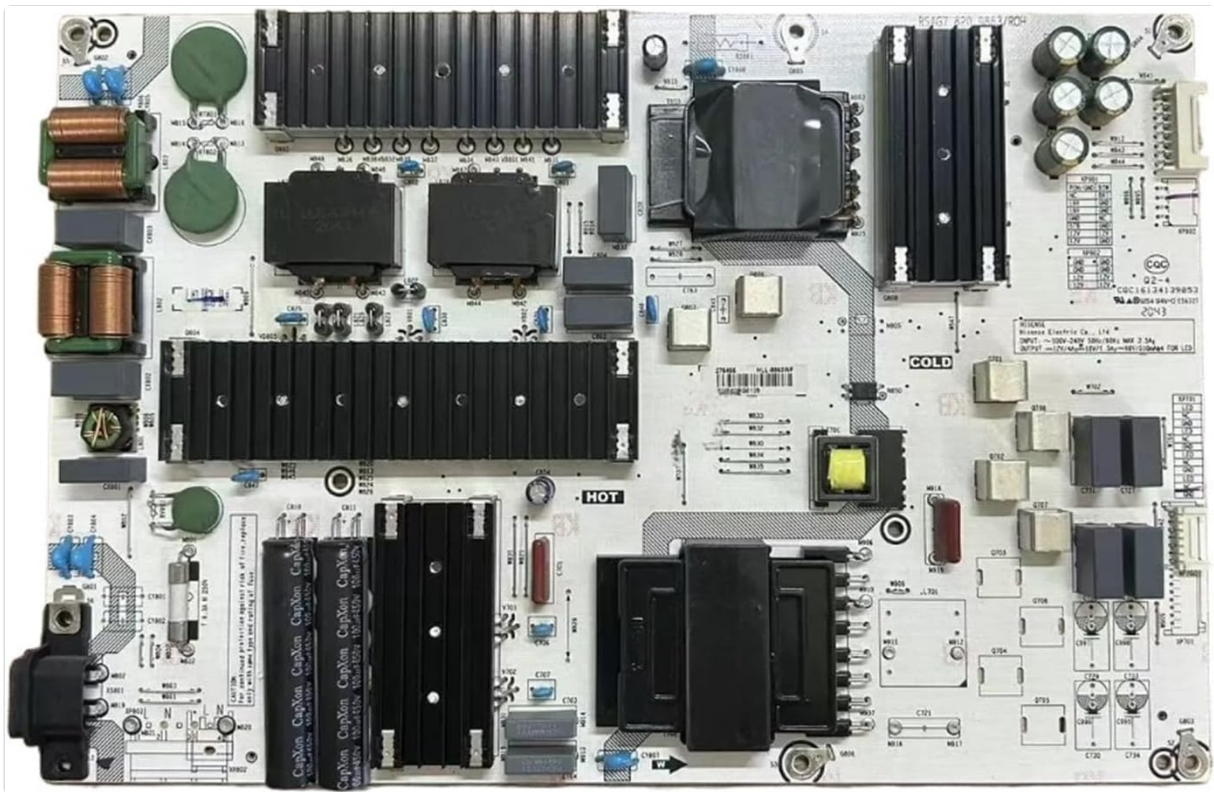
## 2. SAFETY INFORMATION

**WARNING:** Working with television electronics involves high voltages that can cause severe injury or death. Only qualified technicians or individuals with experience in electronics repair should attempt to install this component. Always disconnect the television from the main power supply and allow sufficient time for capacitors to discharge before touching any internal components.

- Ensure the television is unplugged from the wall outlet before beginning any work.
- Wear appropriate personal protective equipment, including anti-static gloves and safety glasses.
- Discharge any residual power from capacitors using a suitable discharge tool.
- Avoid touching components unnecessarily.
- Keep children and pets away from the work area.
- Do not attempt to modify the power board or any other TV components.

## 3. PRODUCT OVERVIEW

The Ttgsbhj RSAG7.820.9863 is a replacement power supply board designed to restore power functionality to compatible Hisense TV models. It features durable construction for long-lasting performance.



**Figure 1:** Top-down view of the Ttgsbhj RSAG7.820.9863 TV Power Supply Board. The board features various electronic components including capacitors, transformers, and heat sinks, clearly labeled with component identifiers and voltage ratings. The board layout indicates distinct 'HOT' and 'COLD' sections for safety and functional separation. Key markings like "RSAG7.820.9863/ROH" and "Hisense Electric Co., Ltd." are visible, confirming its model and manufacturer.

## 4. SPECIFICATIONS

Feature	Detail
Model Number	RSAG7.820.9863
Brand	Ttgsbhj
Compatibility	Hisense 75E3D-PR0, 75E3D, 70E3D
Input Voltage	100V-240V~ 50/60Hz (typical for TVs)
Item Weight	1.76 ounces (approximately 50 grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches
Batteries Required	No

*Note: Package dimensions provided (0.39 x 0.39 x 0.39 inches) appear to be generic placeholder values and may not reflect the actual size of the power board.*

## 5. SETUP AND INSTALLATION

This section outlines the general steps for replacing a TV power board. Specific procedures may vary slightly depending on your TV model. Always refer to your television's service manual for detailed instructions.

### 1. Preparation:

- Disconnect the TV from all power sources and external devices.
- Place the TV face down on a soft, clean surface to prevent screen damage.
- Remove the back cover of the television. Keep track of all screws.
- Locate the existing power supply board. It is typically a large board with power input connectors and various output connectors for other TV components.

## 2. Disconnection of Old Board:

- Carefully disconnect all cables connected to the old power board. These may include AC input, DC outputs to the main board, T-con board, and LED backlight drivers. Note the orientation and connection points of each cable, or take photos for reference.
- Unscrew the old power board from the TV chassis.
- Gently remove the old board.

## 3. Installation of New Board:

- Align the new Ttgsbj RSAG7.820.9863 power board with the mounting holes in the TV chassis.
- Secure the new board with the screws removed earlier. Do not overtighten.
- Reconnect all cables to their corresponding ports on the new power board. Ensure all connections are firm and correctly oriented. Refer to your photos if necessary.

## 4. Testing and Reassembly:

- Before replacing the back cover, temporarily plug in the TV and power it on to verify functionality. Check for power indicator lights, screen display, and basic operations.
- If the TV functions correctly, unplug it again.
- Carefully replace the TV's back cover and secure all screws.
- Reconnect all external devices and power the TV on for full operation.

The installation process is designed to be straightforward, allowing for restoration of TV functionality without requiring professional assistance, provided safety guidelines are strictly followed.

## 6. OPERATING INSTRUCTIONS

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Once the Ttgsbj RSAG7.820.9863 power board is correctly installed, the television should operate as intended. The power board functions automatically to supply the necessary voltages to the TV's internal components.

- Simply plug the television into a working power outlet.
- Press the power button on your TV or remote control to turn the television on.
- The power board will manage the power distribution to ensure stable operation.

No specific user interaction is required with the power board itself after installation.

## 7. MAINTENANCE

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The Ttgsbj RSAG7.820.9863 power board is designed for maintenance-free operation. However, to ensure its longevity and the overall health of your television, consider the following general maintenance tips:

- **Dust Removal:** Periodically clean the interior of your television, especially around the power board, to prevent dust buildup. Dust can impede heat dissipation and potentially lead to component failure.

Use compressed air or a soft brush. Ensure the TV is unplugged before cleaning.

- **Ventilation:** Ensure the television's ventilation openings are not blocked. Proper airflow is essential for cooling the power board and other internal components.
- **Power Stability:** Connect your TV to a surge protector to guard against power fluctuations and surges, which can damage electronic components, including the power board.

## 8. TROUBLESHOOTING

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If you encounter issues after installing the Ttgsbj RSAG7.820.9863 power board, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
<b>TV does not power on (no indicator light)</b>	<ul style="list-style-type: none"><li>◦ Loose power cable connection.</li><li>◦ Faulty wall outlet or power strip.</li><li>◦ Incorrectly installed power board.</li><li>◦ Other TV component failure (e.g., main board).</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the power cable is securely plugged into the TV and the wall outlet.</li><li>◦ Test the wall outlet with another device.</li><li>◦ Review Section 5 (Setup and Installation) to ensure all connections are correct and secure.</li><li>◦ If the issue persists, further diagnosis by a qualified technician may be required to identify other faulty components.</li></ul>
<b>TV powers on but no picture/sound</b>	<ul style="list-style-type: none"><li>◦ Loose internal cable connections (e.g., to main board, T-con board, backlight).</li><li>◦ Faulty main board or T-con board.</li><li>◦ Backlight issue.</li></ul>	<ul style="list-style-type: none"><li>◦ Check all internal cable connections, especially those from the power board to other components.</li><li>◦ This symptom typically indicates an issue beyond the power board itself. Consult a technician.</li></ul>
<b>TV powers on, then immediately turns off</b>	<ul style="list-style-type: none"><li>◦ Overload or short circuit detected by the power board.</li><li>◦ Faulty component drawing excessive power.</li></ul>	<ul style="list-style-type: none"><li>◦ Disconnect all non-essential components from the power board (e.g., T-con, backlight) and test if the TV stays on. Reconnect one by one to isolate the faulty component.</li><li>◦ If the issue persists, the power board itself might be defective, or a critical component connected to it is causing a protective shutdown.</li></ul>

If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a qualified electronics repair professional.

## 9. WARRANTY INFORMATION

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The Ttgsbj RSAG7.820.9863 power board comes with a warranty for peace of mind, ensuring customer satisfaction and product quality. Specific warranty terms and duration may vary depending on the retailer and purchase date.

Please retain your proof of purchase for any warranty claims. For detailed warranty information, refer to the documentation provided at the time of purchase or contact your retailer.

## **10. SUPPORT**

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For technical assistance, questions regarding installation, or warranty claims, please contact the retailer from whom you purchased this product. Provide your product model number (RSAG7.820.9863) and proof of purchase when seeking support.

Manufacturer: yurumaoyi