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RXCWWZQQ BN44-00715A

Instruction Manual  
RXCWWZQQ BN44-00715A POWER SUPPLY BOARD  
Compatible with Samsung TV Models

1. Introduction

This manual provides essential information for the RXCWWZQQ BN44-00715A power supply board. This component is designed as a replacement part for specific Samsung television models. It is intended for use by qualified technicians or individuals with experience in electronics repair.

The power supply board is a critical component responsible for converting incoming AC power into the various DC voltages required by the television's internal circuits, including the main board, backlight, and audio systems. A malfunctioning power supply board can lead to issues such as no power, intermittent power, or display problems.

2. Safety Information

**WARNING:** Working with television electronics involves high voltages that can be dangerous. Improper handling can result in electric shock, personal injury, or damage to the equipment. Always follow these safety precautions:

- **Disconnect Power:** Always unplug the television from the AC power outlet before performing any service or installation.
- **Discharge Capacitors:** Power supply boards contain large capacitors that can store a lethal charge even after the TV is unplugged. Allow sufficient time for capacitors to discharge or safely discharge them using appropriate tools.
- **Use Insulated Tools:** Always use tools with insulated handles to prevent accidental contact with live circuits.
- **Static Electricity:** Wear an anti-static wrist strap and work on an anti-static mat to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- **Professional Installation Recommended:** If you are not confident in your ability to safely perform this repair, seek assistance from a qualified electronics repair technician.

3. Product Overview

The BN44-00715A power supply board is a direct replacement component designed to restore functionality to compatible Samsung TV models. Key benefits of replacing a faulty power supply board include:

- **Fault Repair:** Replacing a damaged power supply board can resolve common TV malfunctions such as no power, flickering screen, or failure to turn on.

- **Extended Life:** Proper functioning components contribute to the overall longevity of the television.
- **Cost-Effective:** Replacing a specific component like the power supply board is often more economical than purchasing a new television.
- **Improved Stability:** A new, functional power supply can help reduce instances of system crashes or lagging, ensuring a stable viewing experience.



Figure 1: Top view of the RXCWWZQQ BN44-00715A Power Supply Board, showing the overall layout of components and circuitry.

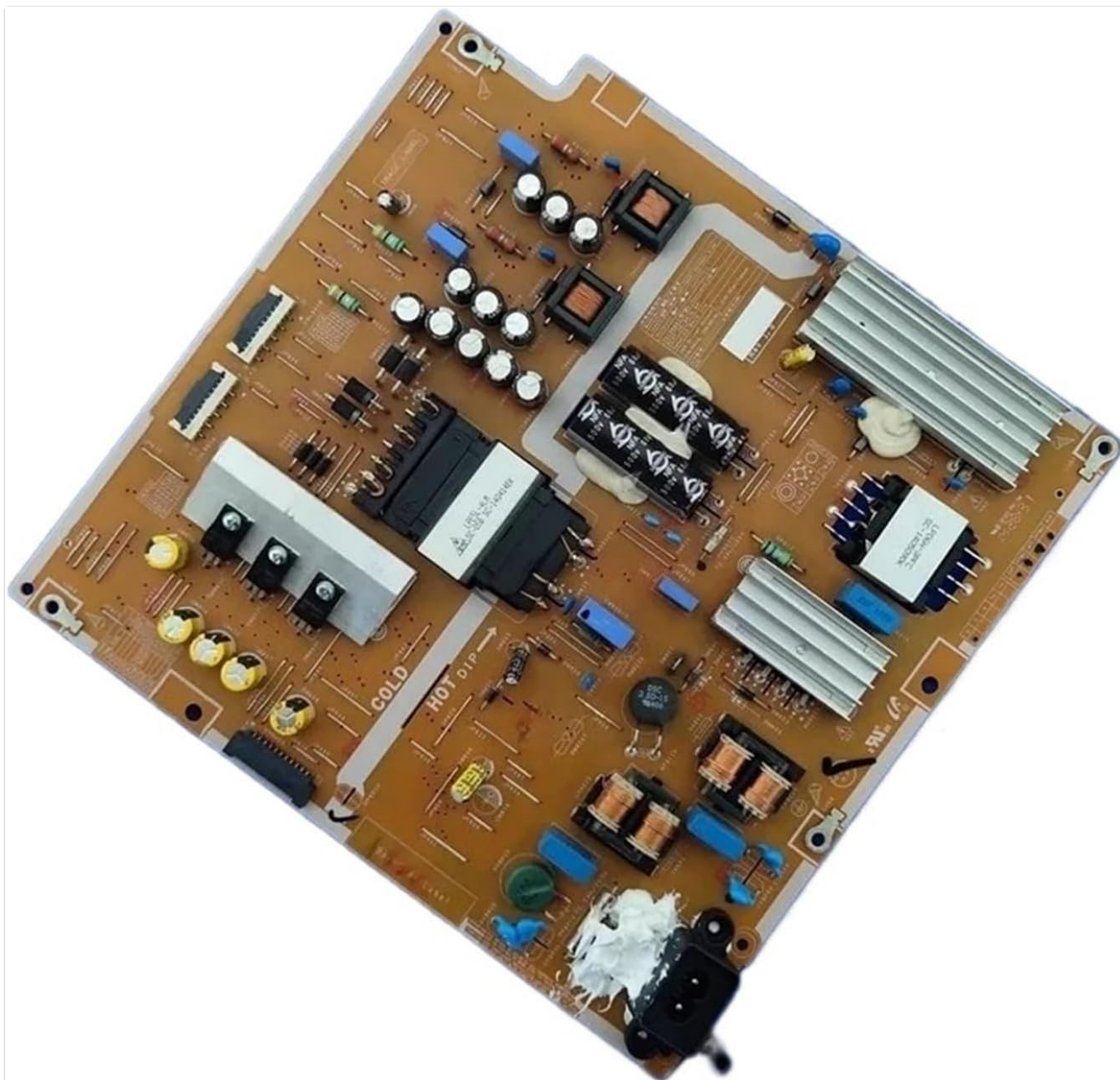


Figure 2: Angled perspective of the power supply board, highlighting various heat sinks and larger components.

## 4. Compatibility

The BN44-00715A power supply board is compatible with various Samsung TV models. Please verify your TV's existing power supply board model number against the BN44-00715A to ensure compatibility before installation. Compatible models include, but are not limited to:

- UN55H7150AFXZA
- UN46H7150AFXZA
- UN55H7150AF
- UN46H7150AF
- UN55H7150
- UN46H7150

Always cross-reference the part number on your original board with BN44-00715A to confirm a match.

## 5. Installation Guide

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This section provides a general overview of the installation process. Specific steps may vary depending on the TV model. Refer to your television's service manual for detailed, model-specific instructions.

1. **Preparation:** Ensure the TV is unplugged from all power sources. Place the TV face down on a soft, clean surface to protect the screen.
2. **Access the Back Panel:** Remove the screws securing the TV's back panel and carefully detach it.
3. **Locate the Power Supply Board:** Identify the existing power supply board. It is typically a large circuit board connected directly to the AC power inlet.
4. **Disconnect Cables:** Carefully disconnect all cables connected to the power supply board. These usually include cables to the main board, inverter board (for backlights), and other peripheral components. Note the orientation of each connector before removal.
5. **Remove Old Board:** Unscrew the mounting screws that secure the old power supply board to the TV chassis. Carefully lift and remove the board.
6. **Install New Board:** Position the new RXCWWZQQ BN44-00715A power supply board into place, ensuring it aligns with the mounting holes. Secure it with the screws removed earlier.
7. **Reconnect Cables:** Reconnect all cables to their respective ports on the new power supply board. Ensure all connections are firm and correctly oriented.
8. **Test:** Before reattaching the back panel, temporarily plug in the TV and power it on to verify functionality. Check for proper display, sound, and power-on/off cycles.
9. **Reassemble:** If the test is successful, unplug the TV again, reattach the back panel, and secure it with screws.

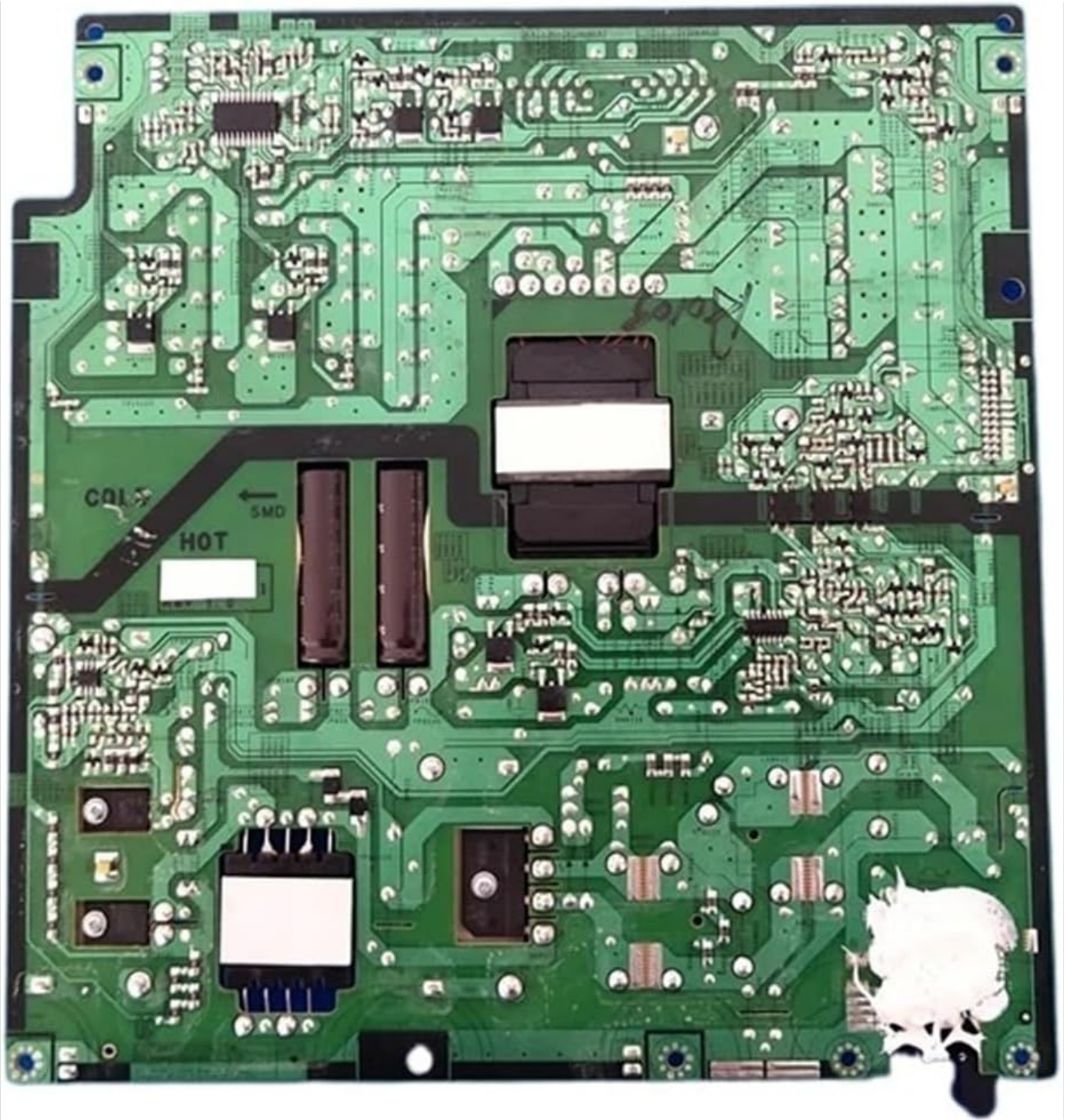


Figure 3: Detail view of various connectors on the power supply board, crucial for proper cable reattachment.

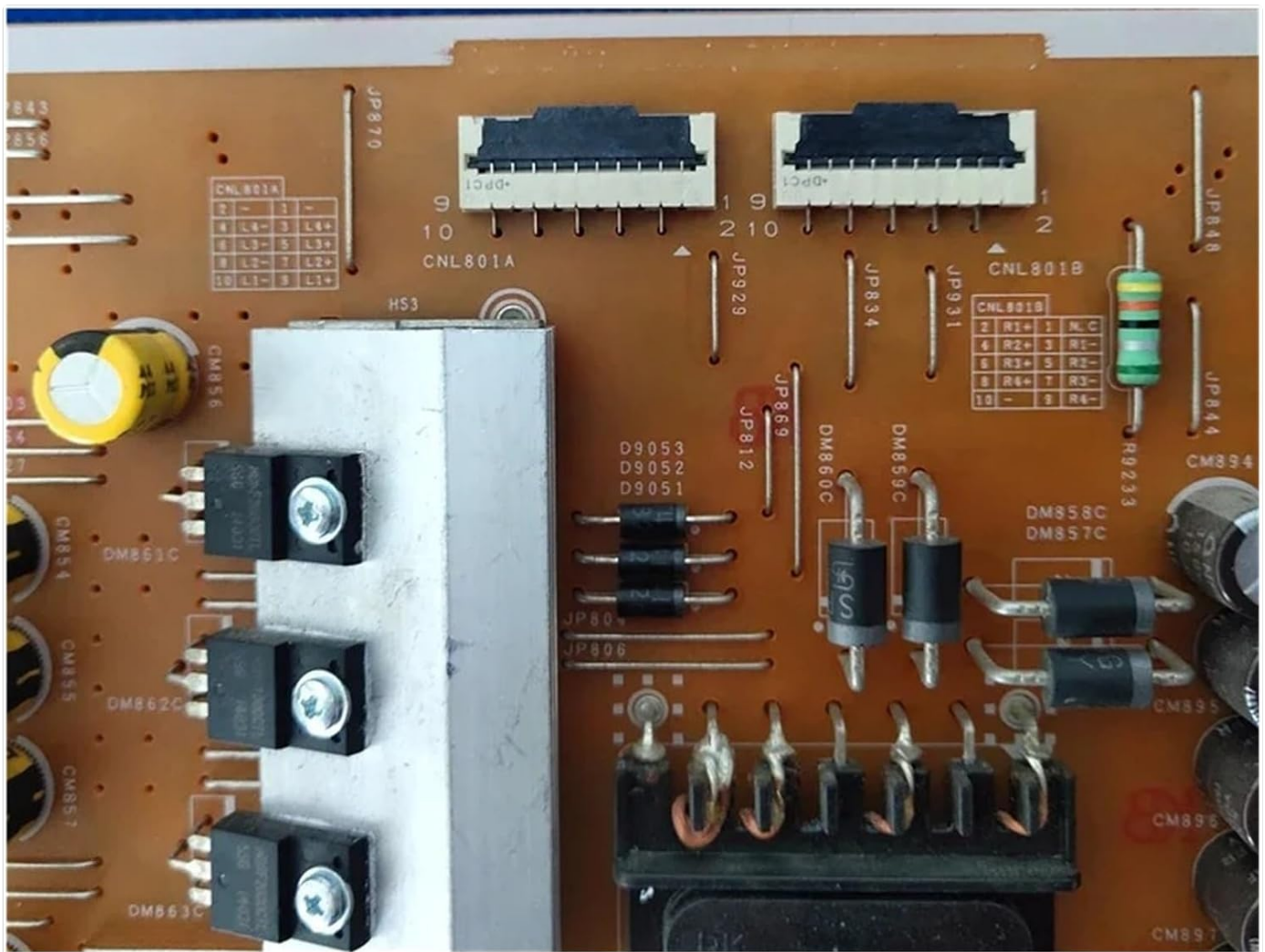


Figure 4: Close-up of capacitors and heat sinks, indicating areas that may retain residual charge.

## 6. Troubleshooting

If the TV does not function correctly after installing the new power supply board, consider the following troubleshooting steps:

- **Check All Connections:** Ensure all cables are securely connected to the correct ports on the power supply board and other components. Loose or incorrect connections are a common cause of issues.
- **Verify Compatibility:** Double-check that the BN44-00715A board is indeed the correct replacement for your specific TV model.
- **Inspect for Damage:** Visually inspect the new board for any signs of damage that might have occurred during shipping or installation.
- **Other Components:** A power supply board replacement may not resolve issues if other components (e.g., main board, T-con board, backlight LEDs) are also faulty. Further diagnosis may be required.
- **Professional Assistance:** If problems persist, it is advisable to consult a professional television repair technician for further diagnosis and repair.

## 7. Specifications

| Feature      | Detail                |
|--------------|-----------------------|
| Product Name | TV Power Supply Board |

|                      |                                                                                |
|----------------------|--------------------------------------------------------------------------------|
| Model Number         | BN44-00715A                                                                    |
| Brand                | RXCWWZQQ                                                                       |
| Compatible TV Brands | Samsung                                                                        |
| Compatible TV Models | UN55H7150AFXZA, UN46H7150AFXZA, UN55H7150AF, UN46H7150AF, UN55H7150, UN46H7150 |
| Certification        | CE                                                                             |
| ASIN                 | B0FTXM627F                                                                     |

## 8. Support and Warranty

For technical support or inquiries regarding this product, please contact the seller or manufacturer directly through the platform where the purchase was made. Information regarding specific warranty terms and conditions should be available from your point of purchase.

It is recommended to retain your purchase receipt or order confirmation as proof of purchase for any warranty claims.

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**Details**

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