

[Manuals.plus](#) /

› [LG](#) /

› LG EBR77562706 Control Board for Ranges: Instruction Manual

LG EBR77562706

LG EBR77562706 Genuine OEM Control Board for Ranges

Instruction Manual

1. INTRODUCTION AND OVERVIEW

The LG EBR77562706 Control Board is a genuine OEM (Original Equipment Manufacturer) part designed and engineered to exact specifications for LG ranges. This high-quality control board is responsible for monitoring the oven temperature and controlling the oven's heating elements. It features an electronic clock/timer display and is a direct replacement for part number EBR77562703.

This manual provides essential information regarding the safety, installation, operation, maintenance, and troubleshooting of your LG EBR77562706 Control Board.

2. SAFETY INFORMATION

WARNING: Before attempting any service or repair on your appliance, always disconnect it from all utilities, including electrical power. Failure to do so may result in electric shock, fire, or severe personal injury.

- It is recommended to wear appropriate personal protective equipment, such as safety gloves and eye protection, during installation or repair.
- Some repairs, especially those involving electrical components, require specialized knowledge and tools. It is strongly recommended that installation and repair be performed by a trained and qualified service professional.
- Always refer to your specific range model's owner's manual and service manual for detailed safety instructions and procedures.

3. SETUP AND INSTALLATION

The LG EBR77562706 Control Board is a replacement part. Installation should be carried out by a qualified technician following the specific service manual for your LG range model. The general steps for replacing a control board are as follows:

1. **Disconnect Power:** Ensure the range is completely disconnected from the electrical supply at the circuit breaker or fuse box.
2. **Access the Control Board:** Carefully remove the necessary panels or components of the range to gain access to the existing control board. This often involves removing screws and gently detaching fascia panels.
3. **Document Connections:** Before disconnecting any wires, take clear photographs or make detailed diagrams of all

wiring connections to the old control board. This will be crucial for correct reassembly.

4. **Remove Old Board:** Disconnect all wiring harnesses and mounting screws securing the old control board. Carefully remove it from the appliance.
5. **Install New Board:** Position the new LG EBR77562706 Control Board in place. Secure it with the appropriate mounting screws.
6. **Connect Wiring:** Using your documented connections, carefully attach all wiring harnesses to the new control board. Ensure each connection is firm and correctly seated.
7. **Reassemble Appliance:** Reattach any panels or components that were removed to access the board. Ensure all parts are securely fastened.
8. **Restore Power and Test:** Restore electrical power to the range. Test all oven functions, including temperature settings, clock, and timer, to ensure proper operation.

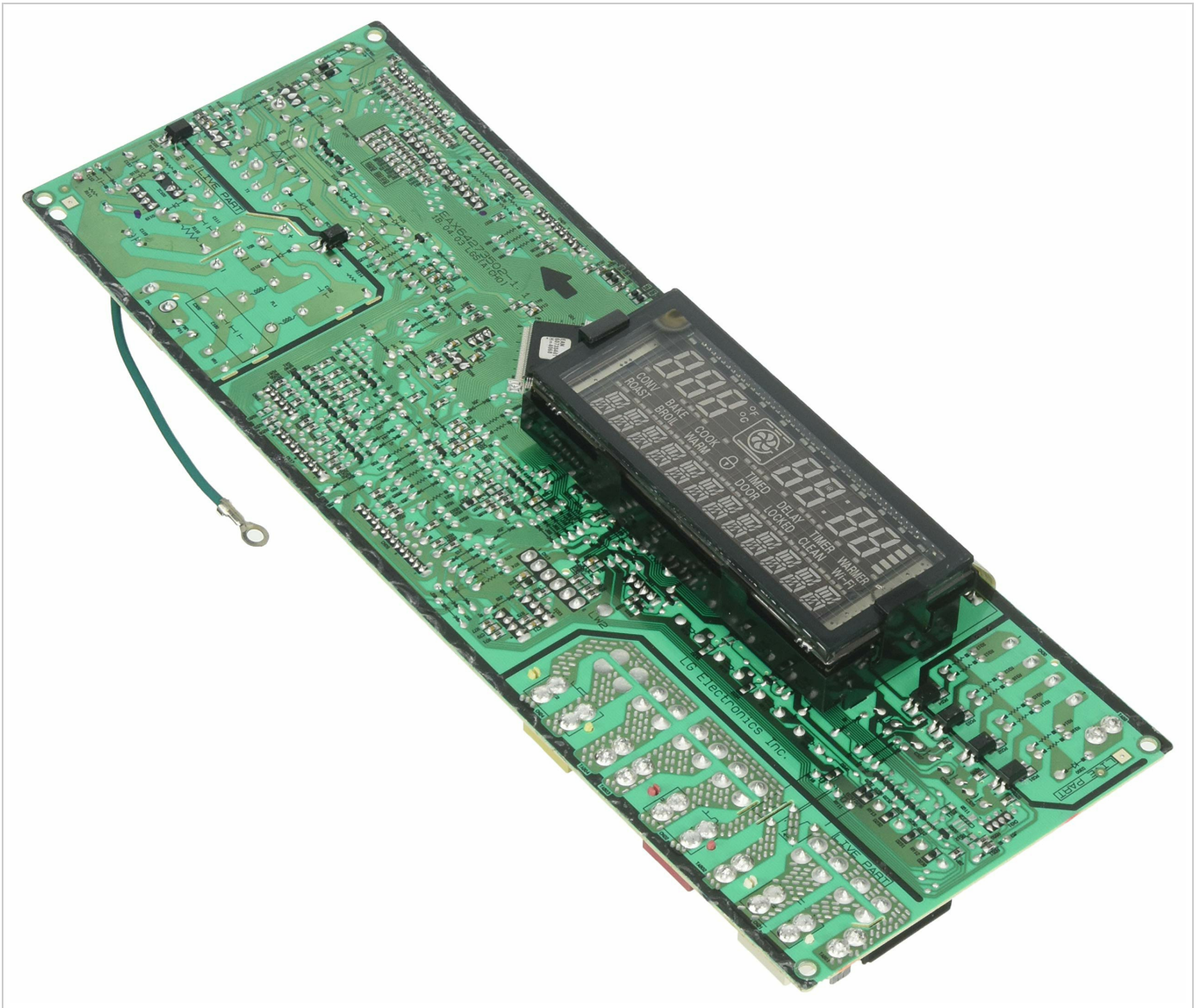


Image 1: The LG EBR77562706 Genuine OEM Control Board. This image shows the front view of the electronic control board with various connectors and the display area.

4. OPERATING PRINCIPLES

The EBR77562706 Control Board functions as the primary electronic interface and controller for your range's oven. Its core responsibilities include:

- **Temperature Monitoring:** It receives signals from the oven's temperature sensor (thermistor) to accurately gauge the internal oven temperature.

- **Heat Control:** Based on the user's selected temperature setting and the feedback from the temperature sensor, the board activates and deactivates the oven's heating elements (bake, broil) to maintain the desired temperature.
- **Electronic Clock/Timer:** The board manages the digital clock display and provides timer functions for cooking duration and delayed start options.
- **User Interface:** It processes inputs from the control panel buttons and displays information to the user via the electronic display.

The control board works in conjunction with other components of the range to ensure precise and reliable oven operation.

5. MAINTENANCE

The LG EBR77562706 Control Board is a sealed electronic component designed for durability and typically requires no routine user maintenance. To ensure its longevity and optimal performance, consider the following general guidelines:

- **Keep Dry:** Avoid exposing the control board or the area around it to excessive moisture or liquids.
- **Cleanliness:** Ensure the area where the control board is housed remains free from dust, grease, and debris, which can potentially interfere with electronic components or ventilation.
- **Ventilation:** Proper ventilation around the range is important to prevent internal components, including the control board, from overheating.

If cleaning is necessary, ensure the appliance is disconnected from power and use a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

6. TROUBLESHOOTING

If you encounter issues with your range after installing or while using the EBR77562706 Control Board, consider the following troubleshooting steps. Note that many issues may stem from other components connected to the control board.

- **No Power or Display:**
 - Verify that the range is properly plugged into a working electrical outlet.
 - Check your home's circuit breaker or fuse box to ensure power has not been interrupted.
 - Inspect all wiring connections to the control board for looseness or damage.
- **Incorrect Oven Temperature or Uneven Heating:**
 - This symptom can often indicate a faulty oven temperature sensor (thermistor) rather than the control board itself.
 - Consult your range's service manual for diagnostic procedures related to temperature calibration and sensor testing.
- **Error Codes Displayed:**
 - If the electronic display shows an error code, refer to your specific range model's owner's manual or service manual to interpret the code. Error codes pinpoint specific component failures or operational issues.
- **Intermittent Operation:**
 - Ensure all electrical connections to the control board and other components are secure and free from corrosion.
 - Power fluctuations can sometimes affect electronic components; consider if recent power outages or surges occurred.

Important: If troubleshooting steps do not resolve the issue, or if you are uncomfortable performing diagnostics, it is highly recommended to contact a qualified appliance service technician.

7. SPECIFICATIONS

Brand	LG
Model Number	EBR77562706
Replaces Part Number	EBR77562703
Part Type	Genuine OEM Control Board
Function	Monitors oven temperature, controls oven heat, electronic clock/timer display.
Product Dimensions	Approximately 12 x 5 x 2 inches
Item Weight	Approximately 14 ounces

8. WARRANTY INFORMATION

Warranty coverage for the LG EBR77562706 Control Board is typically provided by the retailer or LG Electronics at the time of purchase. Please retain your original purchase receipt or invoice as proof of purchase for any warranty claims.

For specific details regarding the duration, terms, and conditions of your warranty, please refer to the documentation included with your control board or contact LG Customer Support directly. Warranty terms can vary based on region and retailer.

9. SUPPORT

For further assistance, technical support, or to locate a qualified service professional for your LG appliance, please contact LG Customer Support. When contacting support, please have the following information readily available:

- Your LG range's full model number and serial number.
- The part number of the control board: EBR77562706.
- A detailed description of the issue you are experiencing.

You can typically find contact information for LG Customer Support on the official LG website or in your appliance's owner's manual.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B07MXQZG9J>

More documents and user manuals: <https://manuals.plus/>