

ZHRCLY BMG110NAMV

ZHRCLY LG Compressor Replacement Part BMG110NAMV Instruction Manual

Model: BMG110NAMV

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the ZHRCLY BMG110NAMV replacement part for LG compressors. This component is designed to be compatible with various LG compressor models, including FLD165NCMA, FLE165NAMA, FLC124NAMA, and others. Please read this manual thoroughly before attempting any installation or service.



Image 1.1: ZHRCLY BMG110NAMV LG Compressor Replacement Part. This image displays the general appearance of the replacement compressor part.

2. SAFETY INFORMATION

WARNING: Improper installation or maintenance can result in serious injury or damage to equipment. Always follow safety precautions.

- Always disconnect power to the appliance before attempting any installation, maintenance, or repair.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Compressor systems operate under high pressure and contain refrigerants. Only qualified technicians should perform installation and service.
- Ensure the work area is well-ventilated.
- Refer to the original appliance's service manual for specific safety procedures related to refrigerant handling and electrical connections.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The package should contain:

- 1 x ZHRCLY BMG110NAMV LG Compressor Replacement Part
- (Additional components, if any, will be listed on the product packaging.)

If any items are missing or damaged, contact your supplier immediately.

4. INSTALLATION AND SETUP

NOTE: Installation of compressor components requires specialized knowledge and tools. It is highly recommended that this procedure be performed by a certified HVAC technician or a qualified appliance repair professional.

1. **Preparation:** Ensure the appliance is completely disconnected from its power source. Allow sufficient time for the system to cool down.
2. **Refrigerant Recovery:** If replacing an existing compressor, the refrigerant must be properly recovered by a certified technician using appropriate equipment. Do not vent refrigerant into the atmosphere.
3. **Access Old Compressor:** Carefully remove any panels or covers to gain access to the existing compressor. Document wiring connections and tubing configurations before disconnection.
4. **Disconnect Old Compressor:** Disconnect all electrical wiring and refrigerant lines from the old compressor. Cap open lines immediately to prevent contamination.
5. **Remove Old Compressor:** Unmount and remove the old compressor.
6. **Install New Compressor Part:** Position the ZHRCLY BMG110NAMV replacement part in the designated location. Secure it using the appropriate mounting hardware.
7. **Connect Refrigerant Lines:** Connect the refrigerant lines to the new compressor part. Ensure all connections are clean, tight, and properly sealed to prevent leaks. Brazing may be required; follow industry best practices.
8. **Connect Electrical Wiring:** Reconnect all electrical wiring according to the original appliance's wiring diagram. Double-check all connections for security and correct polarity.
9. **Evacuation and Charging:** The system must be evacuated to remove non-condensable gases and moisture, then recharged with the correct type and amount of refrigerant as specified by the appliance manufacturer. This step is critical for system performance and longevity.
10. **Leak Detection:** Perform a thorough leak check on all refrigerant connections.

11. **Test Operation:** Restore power to the appliance and test the system's operation. Monitor pressures, temperatures, and current draw to ensure proper function.
12. **Reassemble:** Reinstall all panels and covers.

5. OPERATION

The ZHRCLY BMG110NAMV is a replacement component that enables the proper function of your LG compressor. Once correctly installed within the appliance, its operation is integrated into the overall system. The compressor will operate automatically based on the appliance's thermostat and control settings to maintain desired temperatures.

Refer to your specific LG appliance's user manual for details on its operational modes, temperature settings, and general usage.

6. MAINTENANCE

Proper maintenance of the overall refrigeration system will ensure the longevity and efficiency of the compressor replacement part.

- **Regular Cleaning:** Ensure that the condenser coils of the appliance are kept clean and free of dust and debris. Dirty coils can cause the compressor to work harder, reducing its lifespan.
- **System Checks:** Periodically have a qualified technician inspect the refrigeration system for proper refrigerant levels, pressure, and electrical connections.
- **Ventilation:** Ensure the appliance has adequate ventilation around its compressor compartment to prevent overheating.

7. TROUBLESHOOTING

If the appliance is not functioning correctly after the installation of the ZHRCLY BMG110NAMV replacement part, consider the following general troubleshooting steps. For complex issues, consult a qualified technician.

- **No Power:** Check if the appliance is plugged in and if the circuit breaker has tripped.
- **Compressor Not Starting:**
 - Verify all electrical connections to the compressor are secure.
 - Check the thermostat settings.
 - A faulty start relay or capacitor (if applicable) could be the cause. These components should be checked by a technician.
- **Appliance Not Cooling:**
 - Ensure condenser coils are clean.
 - Check for proper airflow around the appliance.
 - Low refrigerant charge or a leak in the system. This requires professional diagnosis and repair.
 - A faulty fan motor (condenser or evaporator) can also affect cooling.
- **Unusual Noises:**
 - Vibrations can occur if the compressor is not securely mounted.
 - Internal compressor issues typically require replacement.

If troubleshooting does not resolve the issue, contact a professional service technician.

8. SPECIFICATIONS

Feature	Specification
Brand	ZHRCLY
Model Number	BMG110NAMV
Manufacturer Part Number	FLD165NCMA (<i>Note: This may refer to a compatible LG model or an internal manufacturer reference.</i>)
Included Components	New compressor part
Manufacturer	Original factory
Compatibility	LG compressor models: FLD165NCMA, FLE165NAMA, FLC124NAMA, BMG110NAMV, LA95LAEM, CMA110NAEM, FLB165NBMA, CMA053HHBP, FLC150NAMA

9. WARRANTY AND SUPPORT

Specific warranty information for the ZHRCLY BMG110NAMV replacement part is not provided in this manual. Please refer to the product packaging or contact your point of purchase for details regarding warranty coverage.

For technical support or inquiries, please contact the seller or manufacturer directly. Ensure you have your product model number (BMG110NAMV) and purchase information available when seeking assistance.