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LiftMaster 45ACT / 045ACT Logic Board Instruction Manual

Replacement Logic Board for Garage Door Openers Models 8355, 8557, 8587

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LiftMaster 45ACT / 045ACT Logic Board. This logic board is a direct replacement for several legacy part numbers, including 41D7675, 1D7675, 001D7675, 041D7656, and 41D7656, and is compatible with LiftMaster garage door opener models such as 8355, 8557, and 8587. Please read this manual thoroughly before beginning any installation or repair to ensure safe and proper functionality.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical components and garage door systems. Failure to follow these safety instructions may result in serious injury or property damage.

- **Disconnect Power:** Before performing any installation, maintenance, or troubleshooting, always disconnect power to the garage door opener by unplugging it or turning off the circuit breaker.
- **Qualified Personnel:** Installation and repairs should ideally be performed by qualified personnel. If you are unsure, consult a professional.
- **Static Discharge:** Electronic components are sensitive to static electricity. Handle the logic board by its edges and avoid touching the circuit board components directly. Consider using an anti-static wrist strap.
- **Original Parts:** Use only genuine LiftMaster replacement parts to ensure compatibility and proper operation.
- **Pinch Points:** Be aware of moving parts of the garage door and opener. Keep hands and clothing clear during operation.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x LiftMaster 45ACT / 045ACT Logic Board
- 2 x Mounting Screws (typically included for securing the board)

- 1 x FCC/Part No. Label (for identification)



Image: The LiftMaster 45ACT / 045ACT Logic Board, showing the green circuit board with various electronic components, yellow wires, and connection terminals. Also visible are a black FCC/Part No. label and two small mounting screws.

4. SETUP AND INSTALLATION

This section outlines the steps for replacing your existing logic board. It is recommended to take photos of existing wiring before disconnection for reference.

1. **Disconnect Power:** Ensure the garage door opener is completely unplugged from the power outlet or the circuit breaker is turned off.
2. **Access the Logic Board:** Open the cover of your garage door opener unit to expose the existing logic board. This usually involves removing a few screws.
3. **Document Wiring:** Carefully note or photograph the connections of all wires to the old logic board. Pay attention to color codes and terminal labels.
4. **Remove Old Board:** Disconnect all wires from the old logic board. Remove any screws or clips securing the board in place and carefully lift it out.
5. **Install New Board:** Position the new LiftMaster 45ACT / 045ACT Logic Board in the same location. Secure it with the provided mounting screws or existing hardware.
6. **Reconnect Wiring:** Reconnect all wires to the new logic board, ensuring they match the documented connections from the old board. Double-check all connections for security.
7. **Close Cover:** Replace the garage door opener cover and secure it with its screws.
8. **Restore Power:** Plug the garage door opener back into the power outlet or turn on the circuit breaker.
9. **Test and Program:** After installation, the garage door opener will likely require reprogramming of its travel limits and remote controls. Refer to your specific garage door opener model's manual for detailed programming instructions.

5. OPERATING INSTRUCTIONS

Once the new logic board is installed and the opener is powered, you will need to program the travel limits and remote controls. The logic board itself does not have user-operable controls beyond the initial setup. All operations are performed via the garage door opener's external buttons or remote controls.

- **Setting Travel Limits:** This defines how far the door opens and closes. Consult your specific garage door opener model's manual for the exact procedure, which typically involves pressing and holding program buttons and moving the door to its desired open and close positions.
- **Programming Remote Controls:** To link your existing or new remote controls to the opener, press the "Learn" button on the opener's control panel (often located near the antenna wire) and then activate the remote control. Refer to your opener's manual for detailed steps.
- **Safety Reversal Test:** After programming, always perform a safety reversal test. Place an object (like a 2x4 board) flat on the floor in the path of the door. The door should reverse upon contact with the object. If it does not, adjust the force settings or consult a professional.

6. MAINTENANCE

The LiftMaster 45ACT / 045ACT Logic Board is designed for long-term reliability and requires minimal maintenance. However, general care for your garage door opener system is recommended.

- **Keep Dry:** Ensure the garage door opener unit remains dry and free from moisture, which can damage electronic components.
- **Cleanliness:** Periodically inspect the inside of the opener for dust or debris accumulation. If necessary, gently clean with compressed air, ensuring power is disconnected.
- **Power Surges:** Consider installing a surge protector for your garage door opener, especially if your area is prone to lightning strikes or power fluctuations, as these can damage electronic boards.

7. TROUBLESHOOTING

If you encounter issues after installing the new logic board, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Opener does not respond after installation.	No power, incorrect wiring, or board not seated correctly.	Check power connection. Verify all wires are correctly connected according to your documentation. Ensure the board is securely mounted.
Remote controls do not work.	Remotes need reprogramming.	Follow the "Programming Remote Controls" steps in Section 5.
Door does not open/close fully or reverses unexpectedly.	Travel limits not set or incorrectly set.	Follow the "Setting Travel Limits" steps in Section 5. Perform a safety reversal test.
Opener makes unusual noises or operates erratically.	Potential issue with other opener components or damaged board.	Disconnect power and inspect for loose connections or visible damage. If issues persist, consult a professional.

If troubleshooting steps do not resolve the issue, it may indicate a problem with another component of your garage door opener system or a faulty replacement part. Contact LiftMaster customer support or a certified technician for further assistance.

8. SPECIFICATIONS

- **Model Numbers:** 45ACT / 045ACT
- **Compatible Legacy Part Numbers:** 41D7675, 1D7675, 001D7675, 041D7656, 41D7656
- **Compatible Garage Opener Models:** LiftMaster 8355, 8557, 8587 (and others using the specified logic boards)
- **Item Weight:** 6.3 ounces
- **Package Dimensions:** 8.66 x 7.09 x 2.44 inches
- **Manufacturer:** Liftmaster
- **ASIN:** B07YB84K7D

9. WARRANTY AND SUPPORT

For specific warranty information regarding your LiftMaster 45ACT / 045ACT Logic Board, please refer to the documentation provided with your original garage door opener or contact LiftMaster customer support directly. Warranty terms typically cover defects in materials and workmanship under normal use.

For technical support, replacement parts, or further assistance, please visit the official LiftMaster website or contact their customer service department. When contacting support, have your product model number and any relevant purchase information ready.

LiftMaster Official Website: www.liftmaster.com

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