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› Liftmaster/Chamberlain Genuine Part 41ac050-1 Security and Receiver Logic Board User Manual

LiftMaster 041ac050-1M

User Manual

LIFTMASTER/CHAMBERLAIN GENUINE PART 41ac050-1 SECURITY AND RECEIVER LOGIC BOARD

Model: 041ac050-1M

PRODUCT OVERVIEW

The Liftmaster/Chamberlain Genuine Part 41ac050-1 is a one-piece 315MHz Security+ receiver logic board with an end panel. This component is designed for use with various 1/2 horsepower (HP) or 3/4 horsepower (HP) Chamberlain and LiftMaster AC chain drive garage door openers manufactured between 2005 and 2015. It is identifiable by its purple learn button, which is crucial for programming.



Image: The Liftmaster/Chamberlain 41ac050-1 Security and Receiver Logic Board, showing its black casing, integrated end panel, and the purple learn button for programming.

SETUP AND INSTALLATION

This logic board is a direct replacement part for compatible garage door opener models. Ensure the garage door opener is unplugged from the power source before beginning installation to prevent electrical shock.

1. **Power Disconnection:** Unplug the garage door opener from the electrical outlet.
2. **Access the Control Panel:** Carefully open the housing of your garage door opener to access the existing logic board.
3. **Remove Old Board:** Disconnect all wires and harnesses from the old logic board. Note the position of each wire for correct re-connection. Remove the old board.
4. **Install New Board:** Carefully position the new 41ac050-1 logic board in place. Reconnect all wires and harnesses to their corresponding terminals on the new board. Ensure the antenna wire (often purple) is properly connected and extended.
5. **Secure Housing:** Close and secure the garage door opener housing.
6. **Power Reconnection:** Plug the garage door opener back into the electrical outlet.
7. **Programming:** Proceed to the "Operating Instructions" section to program your remotes and keypads.

Compatibility Note: This board is specifically for 1/2HP or 3/4HP AC chain drive garage door openers manufactured between 2005 and 2015 that feature a purple learn button. Verify your model's compatibility before installation.

OPERATING INSTRUCTIONS (PROGRAMMING REMOTES)

After installing the new logic board, you will need to program your garage door opener remotes and keypads to the new board. The purple learn button is central to this process.

1. **Locate Learn Button:** On the newly installed logic board, locate the purple learn button.
2. **Activate Learn Mode:** Press and immediately release the purple learn button. The learn indicator light will glow steadily for 30 seconds.
3. **Program Remote:** Within 30 seconds, press and hold the button on your remote control that you wish to operate the garage door.
4. **Confirm Programming:** The garage door opener lights will flash (or two clicks will be heard) when the code has been learned. Release the remote button.
5. **Test Operation:** Press the programmed button on your remote to test the garage door opener.
6. **Repeat for Other Devices:** Repeat these steps for any additional remotes or wireless keypads you wish to program.

MAINTENANCE

The 41ac050-1 logic board is designed for durability and minimal maintenance. However, following these general guidelines can help ensure its longevity:

- **Keep Dry:** Ensure the garage door opener housing remains sealed and dry to protect the logic board from moisture.
- **Inspect Connections:** Periodically (e.g., annually), with power disconnected, inspect all wire connections to the logic board to ensure they are secure and free from corrosion.
- **Antenna Position:** Ensure the antenna wire is not coiled or obstructed, as this can affect remote signal range.
- **Power Surges:** Consider using a surge protector for your garage door opener to protect electronic components from electrical spikes, especially in areas prone to lightning.

TROUBLESHOOTING

If you experience issues with your garage door opener after installing the 41ac050-1 logic board, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Remotes/Keypads Not Working	Not programmed to new board, dead remote battery, signal interference.	Re-program remotes/keypads (see Operating Instructions). Replace remote batteries. Check for sources of interference.
Limited Remote Range	Antenna obstructed or damaged, signal interference, weak remote battery.	Ensure antenna wire is fully extended and unobstructed. Check for strong interference sources (e.g., LED lights). Replace remote battery.
Opener Not Responding (No Power)	No power to opener, tripped circuit breaker, logic board failure.	Check power outlet and circuit breaker. If power is present and board is unresponsive, professional diagnosis may be required.
Garage Door Not Moving	Safety sensors misaligned, travel limits need adjustment, logic board issue.	Check and align safety sensors. Refer to your garage door opener's main manual for travel limit adjustments.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified garage door technician.

SPECIFICATIONS

Feature	Detail
Model Number	041ac050-1M
Part Number	041ac050-1M
Brand	LiftMaster / Chamberlain
Compatibility	1/2HP or 3/4HP AC chain drive garage door openers (2005-2015) with purple learn button
Frequency	315MHz Security+
Product Dimensions	7"W x 6"H
Item Weight	1.3 pounds
Country of Origin	CHINA
UPC	012381008025

WARRANTY INFORMATION

For specific warranty details regarding the Liftmaster/Chamberlain Genuine Part 41ac050-1 Security and Receiver Logic Board, please refer to the documentation provided with your original purchase or contact LiftMaster/Chamberlain directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

SUPPORT

If you require further assistance or technical support beyond the scope of this manual, please contact the manufacturer, LiftMaster/Chamberlain, or the authorized seller from whom you purchased this product. Have your product model number (041ac050-1M) and purchase details ready when contacting support. You can often find contact information on the manufacturer's official website or through your original retailer.

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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

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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

Answered questions about this manual

How do I fix the problem of the garage door not staying down when closing on a LiftMaster 041ac050-1M?

If your garage door reverses immediately after hitting the floor or fails to stay down, it is typically caused by incorrect travel limit settings or a safety sensor issue. Since you are using the...

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