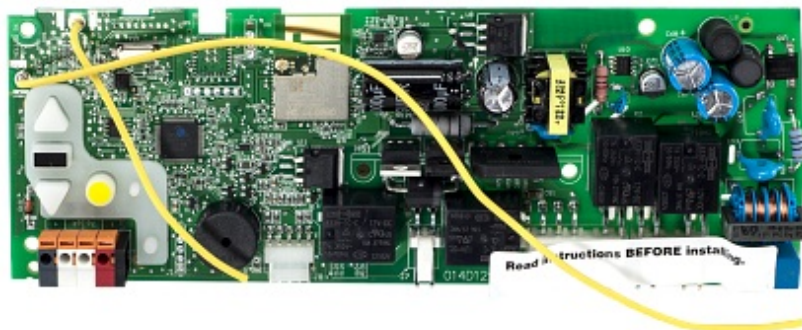


LiftMaster 050DCTBMC Receiver Logic Board Replacement Installation Guide

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LiftMaster 050DCTBMC Receiver Logic Board Replacement Installation Guide



NOTE: 050DCTB replaces 050DCTWF and 050DCTBLK replaces 050DCTWFLK. 050DCTBMC replaces DCTB/DCTWF, and DCTBLKMC replaces DCTBLK and DCTWFLK.

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Installation

Before you begin

Your garage door opener has an internal gateway located on the receiver logic board. After installing the new receiver logic board, use the myQ® serial number found on the provided label to add your garage door opener to

your myQ® account. The products illustrated in the instructions are for reference. Your product may look different. The logic board firmware has been updated. The update provides a new Obstruction Notification that signals when the opener senses resistance, such as an obstruction or other binding in the door and rail system. The door will stop or reverse to open limit and the opener will beep and the lights flash 5 times.



WARNING

To prevent possible **SERIOUS INJURY** or **DEATH**:
Disconnect **ALL** electric and battery power **BEFORE** performing **ANY** service or maintenance.



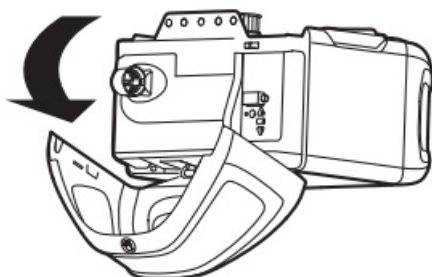
CAUTION

To prevent damage to the receiver/logic board, **DO NOT** touch printed circuit board of replacement receiver/logic board during installation. **ALWAYS** wear protective gloves and eye protection when changing the battery or working around the battery compartment.

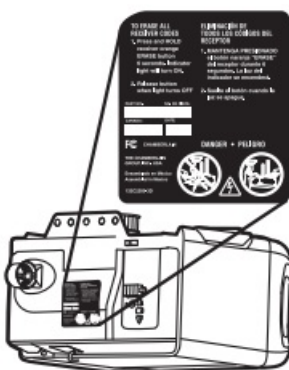


WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go 2 to www.P65Warnings.ca.gov.

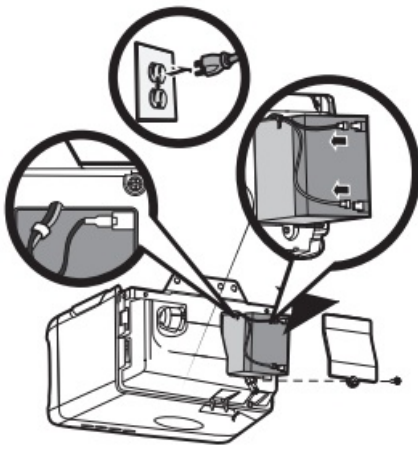
1. Remove the light lens by pulling the top side of the light lens and swing the light lens down. Squeeze the light lens clips to remove lens from end panel.



2. To maintain your warranty, place the provided label over the existing label on the end panel of the garage door opener.

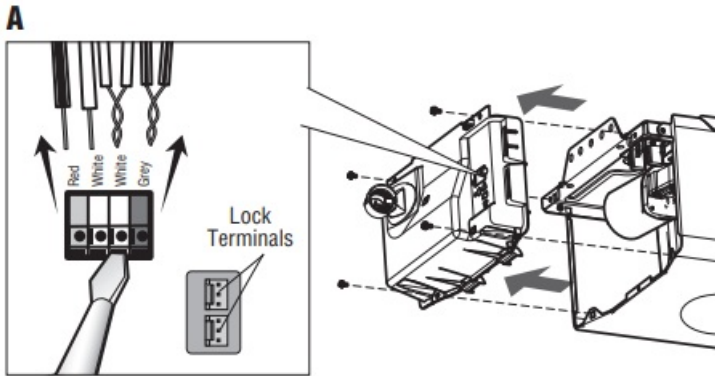


3. Disconnect electrical and battery power (if applicable) to the garage door opener.



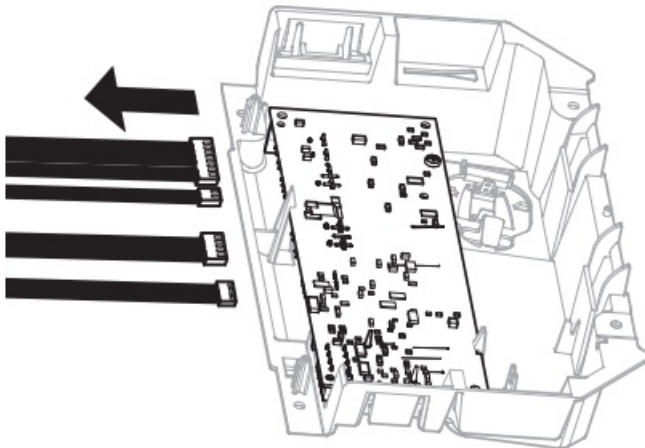
Remove the receiver logic board

1. Disconnect the wires from the quick-connect terminals (A). Disconnect any wires from the lock terminals. Remove the receiver logic board end panel from the garage door opener.

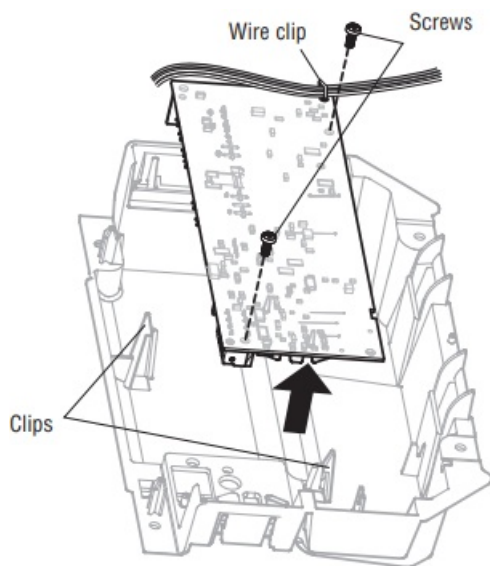


To insert or remove the wires from the terminal, push in the tab with a screwdriver tip.

2. Unplug the wire harnesses from the receiver logic board. You may need needle-nosed pliers, to remove the harnesses.

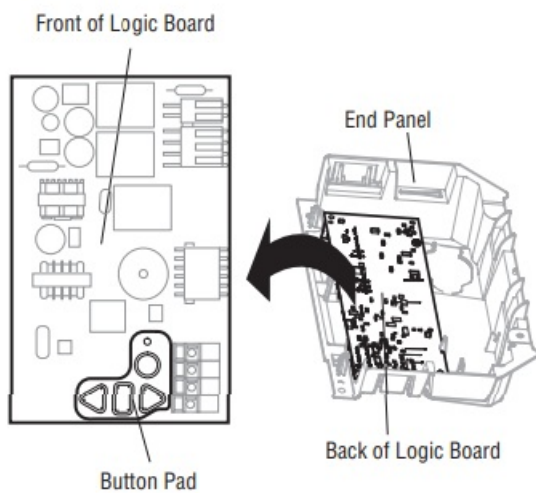


3. Remove the receiver logic board from the end panel by removing the 2 screws and releasing the 2 clips.



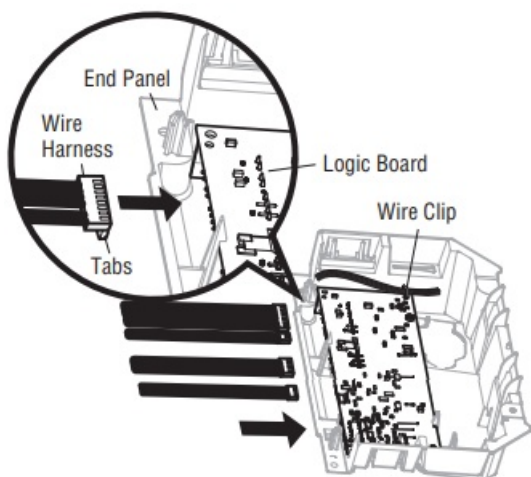
Install new receiver logic board

For garage door openers without a battery back up system: remove the button pad from the logic board and replace it with the alternate button pad.



NOTE: A test of the safety reverse system is necessary for safe operation.

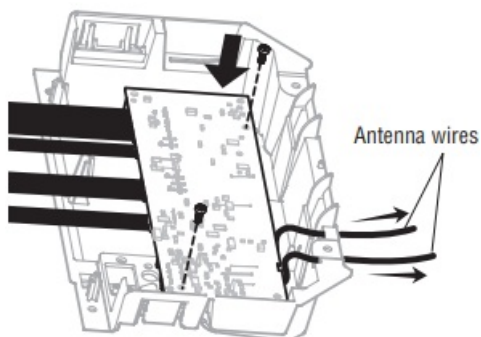
1. Connect the wire harnesses to the new receiver logic board. When reconnecting the wire harness, be sure the tabs on the wire harness are facing the end panel, not the logic board.



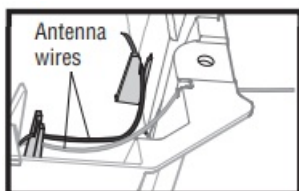
NOTE: If your logic board has a wire clip, use the wire clip to hold wires to the logic board.

2. Insert the antenna wires through the holes in the end panel. Snap the receiver logic board into place on the end panel and fasten with screws.

Antenna wires



NOTE: Some models will require the short antenna wire to be placed in the traps of the end panel.

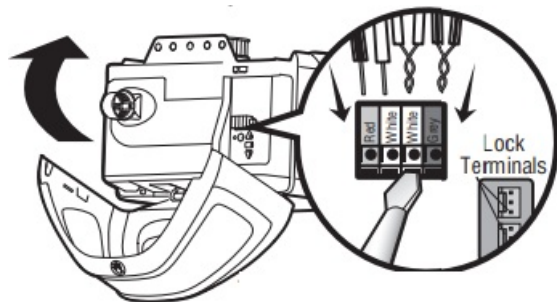


3. Reinsert the wires. Door control wires:

- white wire into the white terminal.
- white/red wire into the red terminal.

Safety sensor wires:

- white wires into the white terminal.
- white/black wires into the grey terminal. Reconnect any lock terminal wires.



To insert or remove the wires from the terminal, push in the tab with a screwdriver tip.

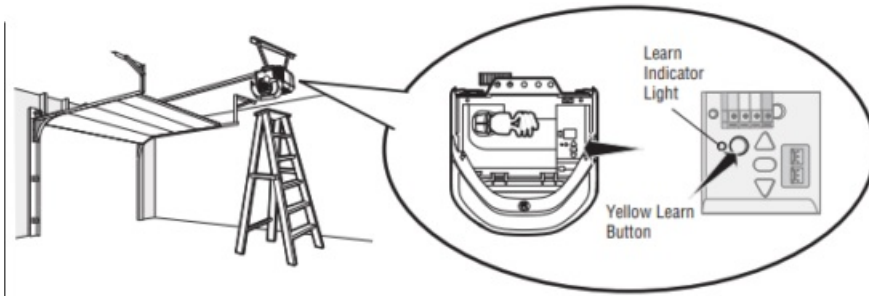
4. Install the light lens by aligning with the hinges and snapping into place. Reconnect power.

NOTE: When installing the light lens, ensure the antenna wires are hanging straight down.

Programming

Program a remote using the learn button

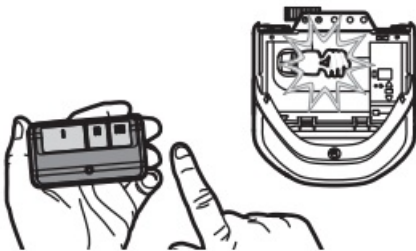
1. Press and release the Learn button on the garage door opener. The Learn indicator light will glow steadily for 30 seconds.



2. Within 30 seconds, press and hold the button on the remote control.



3. Release the button when the garage door opener light blinks. It has learned the code. If light bulbs are not installed, two clicks will be heard.



To program the Wi-Fi garage door opener to your network refer to your owner's manual.

Adjustment

Program the travel



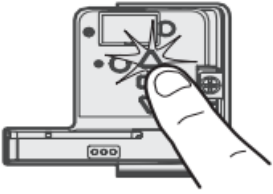
WARNING

Without a properly installed safety reversal system, persons (particularly small children) could be **SERIOUSLY INJURED** or **KILLED** by a closing garage door.

- Incorrect adjustment of garage door travel limits will interfere with proper operation of safety reversal system.
- After ANY adjustments are made, the safety reversal system **MUST** be tested. Door **MUST** reverse on contact with 1-1/2" (3.8 cm) high object (or 2x4 laid flat) on floor

While programming the travel, the UP and DOWN buttons can be used to move the door as needed. The Safety Reversing Sensors will be disconnected during the Program the Travel process. During the Automatic Force Setup the door will automatically open and close.

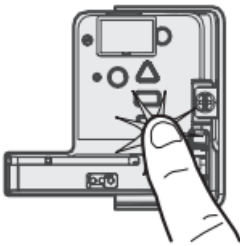
1. Press and hold the Adjustment Button until the UP Button begins to flash and/ or a beep is heard.
The Safety Reversing Sensors will be disconnected during the Program the Travel process.



2. Press and hold the UP Button until the door is in the desired UP position.



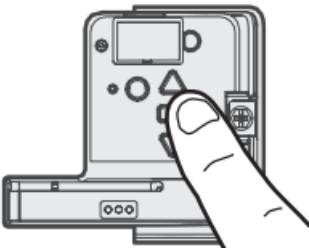
3. Once the door is in the desired UP position press and release the Adjustment Button. The garage door opener lights will flash twice and the DOWN Button will begin to flash.



4. Press and hold the DOWN button until the door is in the desired DOWN position.



5. Once the door is in the desired DOWN position press and release the Adjustment Button. The garage door opener lights will flash twice. Program the Travel is now complete. If the garage door opener lights flash 5 times, then programming has timed out and the Travel Limits have not been set. Please restart the Program the Travel process.
6. Add the Step Save sticker under the yellow program button.

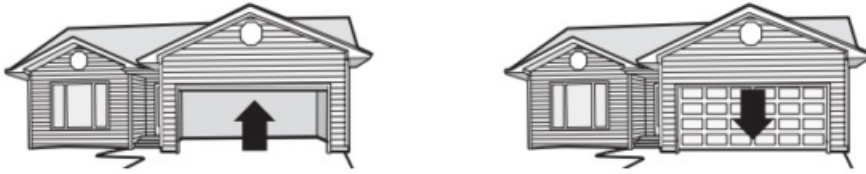


Automatic Force Set Up

Once both the up and down positions have been manually set, the Safety Reversing Sensors will reconnect and become operational. Then, the opener will enter a force-sensing operation by automatically moving the door open and close. The garage door opener will sound an audible and visual alert before automatically opening and closing the door. The garage door opener will beep three times, confirming that the Automatic Force Setup

completed successfully. Adjustment is complete.

If you hear one long beep after the door attempts to move, then the Automatic Force Set Up has not completed successfully. Please start over at step 1 of Program the Travel.



Test the Safety Reversal System



WARNING

Without a properly installed safety reversal system, persons (particularly small children) could be **SERIOUSLY INJURED** or **KILLED** by a closing garage door.

- Safety reversal system **MUST** be tested every month.
- After **ANY** adjustments are made, the safety reversal system **MUST** be tested. Door **MUST** reverse on contact with 1-1/2" high (3.8 cm) object (or 2×4 laid flat) on the floor.

1. With the door fully open, place a 1-1/2 inch (3.8 cm) board (or a 2×4 laid flat) on the floor, centered under the garage door.



2. Press the remote control push button to close the door. The door **MUST** reverse when it makes contact with the board.



If the door stops but does not reverse:

1. Repeat Program the Travel (see Adjustment Step 1);
2. Repeat the Safety Reversal test. If the test continues to fail, call a trained door systems technician.

Test the Protector System®



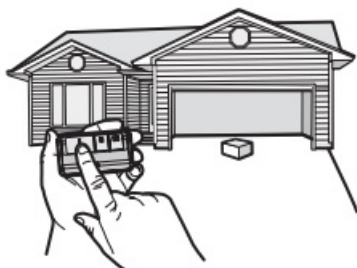
WARNING

Without a properly installed safety reversing sensor, persons (particularly small children) could be SERIOUSLY INJURED or KILLED by a closing garage door.

1. Open the door. Place an obstruction in the path of the door.



2. Press the remote control push button to close the door. The door will not move more than an inch (2.5 cm).

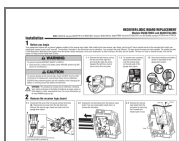


The garage door opener will not close from a remote control if the LED in either safety reversing sensor is off (alerting you to the fact that the sensor is misaligned or obstructed).

If the garage door opener closes the door when the safety reversing sensor is obstructed (and the sensors are no more than 6 inches [15 cm] above the floor), call for a trained door systems technician.

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Documents / Resources



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