

Installation Step 9: SET LIMIT SWITCHES AND FORCE CONTROLS

Coarse Setting of Limit Switches

A Setting Close Limit Switch (Figure 33):

- Check that Magnetic Carriage Assembly is disengaged.
- With garage door fully closed, slide Close Limit Switch until it is aligned with Carriage Assembly Magnet.
- Tighten Set Screw. **Do Not** over-tighten.

B Setting Open Limit Switch:

- Manually open garage door to full open position.
- Slide Open Limit Switch until it is aligned with Carriage Assembly Magnet.
- Tighten Set Screw. **Do not** over-tighten.
- Re-engage Magnetic Carriage Assembly.

Setting Force Controls and Final Adjustment of Limit Switches



WARNING

- The garage door opens rapidly, and can cause serious injury or death.
- Keep the path clear.
- Position the ladder to the side of the Power Head so it is clear of all moving parts of the Opener and the door.
- Set the door Opener to use the minimum force needed to open the door.

A Pre-set Force Controls to midpoint between fully counter clockwise and fully clockwise (Figure 34).

B Adjust the Close Limit Switch:

- Press Wall Console to close garage door.
 - If door does not close completely, measure distance from bottom of door to floor. Move Limit Switch same amount toward door and try again.
 - If door reverses after contacting floor, move Limit Switch toward Power Head and try again.
 - If door reverses before contacting floor, increase Close force and try again.
 - If door fails to move, check Safe-T-Beam® System. See Safe-T-Beam® Troubleshooting Guide on pg. 26, and Opener System Self-diagnostic Troubleshooting on pg. 27.
- Tighten Limit Switch Set Screw. **Do not over-tighten (strip) Limit Switch Set Screw.**

C Adjust Open Limit Switch:

- Press Wall Console to open garage door.
 - If door does not open completely, move Limit Switch toward Power Head.
 - If door opens completely, but motor continues to run, move Limit Switch toward door.
- Tighten Limit Switch Set Screw. **Do not over-tighten (strip) Limit Switch Set Screw.**

NOTE

- Little effort is required to turn the Force Adjusting Knobs.
- If the door stops moving while opening or closing, adjust the Open Force or Close Force Controls **slightly** clockwise (to **slightly** increase the force) and retry the step.
- The Open Force and Close Force Controls are to be set to the **minimum** force necessary to ensure the door smoothly opens fully and closes completely.
- The garage door will move slowly the first time it runs, until the Opener “learns” the type of door.
- Ensure the Magnetic Carriage Assembly is engaged and is between the two Limit Switches before operating the Opener.

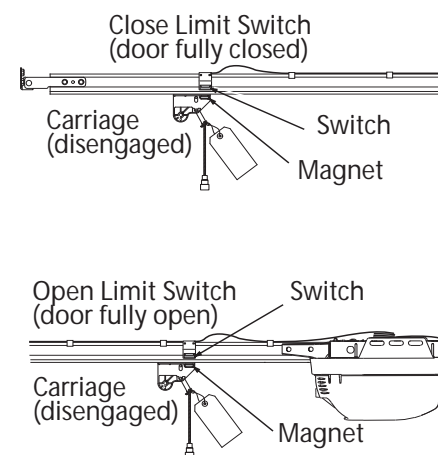


Figure 33 Setting Limit Switches

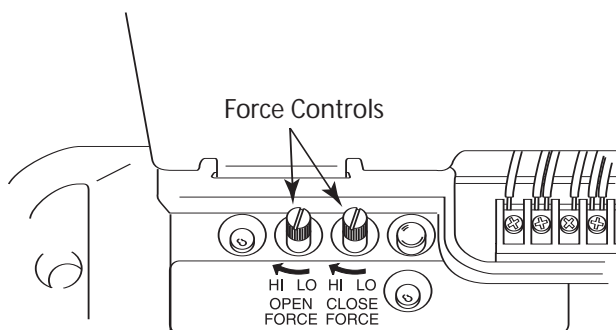


Figure 34 Making Force Adjustments

NOTE

- To protect your new investment, your Excelerator® is equipped with a Timer and Cycle Counter which work together to prevent any chance of heat damage to electrical circuits caused by too many cycles in too short a time. If your Opener suddenly stops responding to the Wall Console - **Do Not Unplug the Unit** - simply wait **10 minutes** for the Timer/Cycle Counter to reset itself and try again.
- Unplugging the unit will prevent the Timer/Cycle Counter from resetting.

D Test Door Opener:

- Run door up and down a few times using Wall Console and observe door travel.
- Repeat steps above as needed to set Limit Switch positions.

E Adjust Open Force to minimum needed:

- Place door in closed position using Wall Console.
- Gently adjust Open Force fully counterclockwise (minimum force).
- Run Opener using Wall Console.
- Observe that door runs to Open Limit Switch.
 - If not, adjust Open Force Control slightly clockwise, close garage door, and open it again.
- Repeat steps above until garage door runs smoothly from Close Limit Switch to Open Limit Switch.

F Adjust Close Force to minimum needed:

- Place door in open position using Wall Console.
- Gently adjust Close Force fully counterclockwise (minimum force).
- Run Opener using Wall Console.
- Observe that door runs to Close Limit Switch.
 - If not, adjust Close Force Control slightly clockwise, open garage door, and close it again.
- Repeat steps above until garage door runs smoothly from Open Limit Switch to Close Limit Switch.

NOTE

The door must contact the 2" x 4" board before the Carriage activates the Close Limit Switch. If not, readjust the Close Limit Switch.

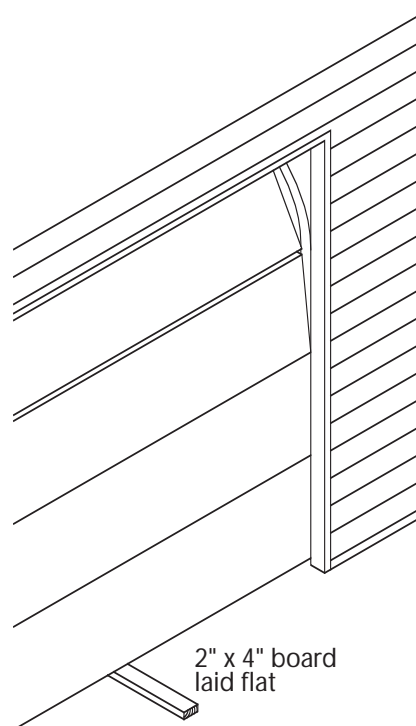


Figure 35 Checking Contact Reverse

Installation Step 10: SETTING CONTACT REVERSE FUNCTION

NOTE

Limit Switch and Force Adjustments must be completed before checking the contact reverse function (**Figure 35**).

- A** Open garage door using Wall Console.
- B** Lay a 2" x 4" board flat in center of doorway.
- C** Close door using Wall Console.
- D** Check that door stops and reverses within 2 seconds after it contacts board:
 - If door does not reverse, decrease Close Force until door reverses.
 - If door still does not reverse, move Limit Switch toward door.
- E** Check Safe-T-Beam® System operation:
 - If beam is blocked, door will not close.

ACCESSORIES

Installation Step 11: PROGRAMMING THE REMOTE CONTROL

- A** To program one Button of a Remote Control (**Figure 37**):
- Locate Learn Button and Learn Indicator Light near Terminal Block on Power Head (**Figure 38**).
 - Press and release Learn Button. Red Learn Indicator Light will blink 2 times per second.
 - Press Remote Control Button once within 30 seconds. Red Learn Indicator Light will stay lit.
 - Press Remote Control Button again. Red Learn Indicator Light will go out, indicating that memory is stored.
- B** Program each additional Remote using step **A** above.

To Erase All Remotes from Power Head Memory

- A** Press and hold Learn Button on Power Head for 10 seconds or until Learn Indicator Light goes out. Memory is erased:
- Program Receiver again as needed.

To Replace Remote Control Battery

- A** Push in on Battery Cover Latch at base of Remote Control (**Figure 39**):
- Use coin, pen, screwdriver or any similar device.
 - Cover snaps open.
 - Replace old Battery with new **EVEREADY®** A23, 12 Volt Battery.
- B** Snap Battery Cover closed.



WARNING

A moving garage door may cause serious injury or death.

- Keep people clear of opening while door is moving.
- Do not allow children to play with the Remote Controls.

If the Safety Reverse does not work properly:

- Close the door and disconnect the Opener using the Emergency Release Cord.
- Do not use the door Opener, Remote Controls, or Wireless Keypad.
- Refer to the door and door Opener Owner's Manuals before attempting any repairs.

Remote Control Operation

- A** Press Button on Remote Control. Garage door will move.
- B** Press Button again. Garage door will stop:
- The door automatically stops at the end of the open or close cycle.
- C** Press Button again. Garage door will reverse.

NOTE

- Each Remote Control must be programmed separately.
- The Remote Controls will not cause the door Opener to close the garage door if the Safe-T-Beam® System is malfunctioning.
- When programming the Remote Controls, they must be at least 24" from the Antenna Wire.
- If the red Learn Indicator Light blinks approximately 4 times per second, programming has stopped. If programming has stopped, repeat the above steps.
- Each Button on a 2 or 3 Button Remote Control is for a different Opener. You cannot use more than one Button per Remote, per Opener.
- A maximum of seven Remote Controls or Wireless Keypads can be stored into the Receiver at one time. If a Remote Control becomes lost, or if you want to delete a Remote Control or Wireless Keypad, see "To Erase All Receiver Memory."



1 Button Remote

(48)



2 Button Remote

(51)



3 Button Remote

(49)

Figure 37 Genie Remote Controls

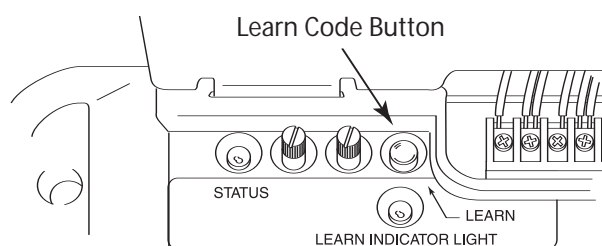


Figure 38 Learn Code Button and Indicator Light

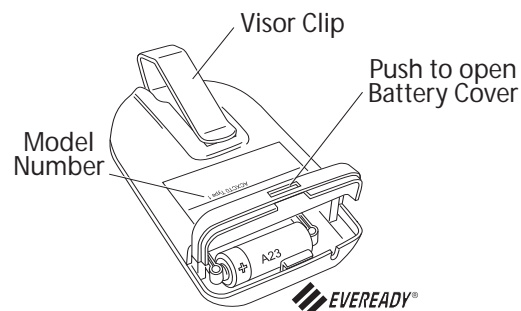


Figure 39 Remote Control Battery Replacement