**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.
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.

**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.

**Figure 35** Checking Contact Reverse
### 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.”

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**Figure 37** Genie Remote Controls

**Figure 38** Learn Code Button and Indicator Light

**Figure 39** Remote Control Battery Replacement