2 Remote Controls

This opener is supplied with a three-button remote control (the second and third buttons can be used to control an additional operator or gate if it contains a Linear MegaCode™ receiver). Additional single and multi-button remote controls can be purchased. An unlimited number of remote controls can be used with this opener. The short white wire on the back of the operator serves as an antenna for the remote controls. Do not cut out the white wire or the remote controls will not operate well.

[WARNING]

Children operating or playing with a garage door opener can injure themselves or others. The garage door could cause serious injury or death. Do not allow children to operate the opener (remote control) or the wall station. A moving garage door could injure children or other unattended persons if the opener only when the door is clearly visible, open or closed and properly secured.

In Add or Remove a Remote Control

1. Press the opener’s LEARN button. The red LEARN light will glow. The red LEARN light will stay on for about 10 seconds. A remote must be added or removed while the red LEARN light is on.
2. Send a signal from a stalk (or a garage door opener) and the red light will flash four times if a remote was added, or the open limit is reached and the red light will flash four times if a remote was removed.
3. Repeat Steps 1 & 2 for any additional remote controls.

To Remove All Remote Controls

1. Press and hold the opener’s LEARN button for ten seconds or more.
2. Release the LEARN button. The red LEARN light will blink three times signaling that all of the remotes in the opener’s memory were erased. The red LEARN light will turn off, then turn on for 15 seconds. A remote control can be entered during this time using the steps described in Section 2 above.

Testing

1. Test the remote control. Straighten out the opener’s white antenna wire so it points up. 
2. Stand clear of the door, press the remote control button and verify that the door starts to open.

Replacing a Remote Control’s Batteries

When the red light on the remote gives a dim or bluish light or if the remote is activated, the batteries need replacing.
1. Open the remote’s case and remove the circuit board.
2. Replace old batteries with two Type 322a batteries.
3. Reseal the remote.

3 Garage Door Opener Maintenance

Weather conditions may affect the door operation which could require some re-setting of the opener’s adjustable features. Doors may swell and become heavy during wet periods, door hinges and rollers might bind during dry periods. To re-set the opener, or perform the door force safety tests, including any additional steps described.

Monthly

1. With the door closed, pull the red release handle to disconnect the opener from the door.
2. From outside the garage, slowly open the door manually all the way, and then close it all the way. Notice if there is any binding, sticking or rubbing. The door should move smoothly in both directions.
3. Raise the garage door about halfway up. Carefully release the door and see if the door balances. It should stay in place. Close the door.

NOTE: If the garage door is unbalanced or the opener can’t lift or lower the garage door, the opener may need adjusting. If the opener can’t lift or lower the garage door, the door should move smoothly in both directions.
4. Raise the door manually until the opener reconnects. If the door is not balanced, or the door is not moving smoothly, the opener may need adjusting.
5. Perform the Safety Beam Test (Section 4).
6. Perform the Safety Reversal System Test as described in Section 5.

After Servicing the Opener

1. Perform the Safety Beam Test (Section 4).
2. Perform the Open and Close Limit Adjustments (Section 5).
3. Perform the entire Door Force Safety System Test (Section 6).

Every 6 Months

Garage door hardware (springs, cables, brackets, pulleys, etc.) are under extreme pressure and tension. DO NOT ATTEMPT TO ADJUST OR REPAIR ANY GARAGE DOOR HARDWARE. CALL A QUALIFIED GARAGE DOOR INSTALLER/PROFESSIONAL.

6. Discard old batteries and replace with two NEW 322A batteries.

6. Replace the red LEARN light bulb if it is not functional.

7. If the opener is installed on an unbalanced door, the door should be adjusted as described in Section 5.

8. Check the door hardware for lubrication needs. Lubricate door hinges, rollers and bearings according to door manufacturer’s recommended procedures.

[WARNING]

Always perform the entire Door Force Safety System Test (see Section 6) after making any adjustments or repairs to the door or opener. Test with small obstacle.

The Door Must Reverse Within 30 Seconds After Impact With A 2 x 4 BOARD

Adjusting a garage door opener can be dangerous. Always be sure the garage door opener is disconnected and locked out.

Adjusting a Garage Door Opener

1. Check the door force and chain tension.
   a. For belt-drive, examine the length of the tension spring in the traveler. It should be about 1” long.
   b. For chain-drive, examine the length of the tension spring between the travel and the rail. The tension spring should be about 1” below the rail.

NOTE: The much too little chain tension will cause excessive sprocket noise.

Chain Adjustment

If necessary, take the following steps to adjust the chain.
1. Hold the travel with a flat blade screwdriver and loosen the two locknuts with a 7/16” wrench.
2. Twist the tensioner to adjust the chain tension. Align the chain with the travel and make sure it is properly seated, then tighten the two locknuts with a 7/16” wrench.

Belt Adjustment

The belt tensioning in the traveler keeps the belt taut. The factory setting for the tension spring length is 9”. The tension spring is longer than 9”, adjust the bolt.
1. Hold the travel so the adjustment screws are visible through the slots.
2. Use a flat blade screwdriver to turn the adjustment wheel to compress the tension spring until its length is between 9” and 1”.

Every Year

Check the door hardware for lubrication needs. Lubricate door hinges, rollers and bearings according to door manufacturer’s recommended procedures.

NOTE: Button is used to indicate possible mechanical hazards that may cause serious injuries or death.

A Moving Garage Door Can Cause Injury or Death!

To Reduce the Risk of Death or Severe Injury:
1. Read and follow all instructions.
2. Never let children operate, or play with door controls!
3. Keep remote control away from children!
4. Never go under a stopped, partially open door.
5. Test door opener monthly. The garage door must reverse on contact with a 1-1/2 inch (or 2” x 4” ) thick object placed at the center of the floor, if the garage door is moving the force or limit of travel, re-test the door opener. Failure to adjust the opener properly may cause severe injury or death.
6. If possible, use the red emergency release handle only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may cause the door to fall rapidly causing injury or death.
7. Keep garage door tracks, pulleys, brackets, etc. free of obstructions and adjusted properly.
8. A Moving Garage Door Can Cause Injury or Death!

SAVE THESE INSTRUCTIONS.
4 Testing the Infrared Safety Beam
The safety beam has two components, a sender and a receiver. The sender produces a narrow infrared beam that travels across the bottom of the door opening to the infrared receiver. If an object blocks the infrared beam while the door is closing, the door will stop, then reverse and fully open (the opener's light will flash three times).

As a safety feature, the opener will ignore signals from all remote controls if the door is open and the infrared safety beam is out of alignment. In this case, the door can be forced closed by pressing and holding the wall switch's up/down arrow buttons (be sure the door area is clear in view). If the door remains open, the door force adjustment needs to be set. Change the adjustment as described in Section 7 then turn back to this step to finish setting the limits.

5 Adjusting the Open and Close Limits
The limit adjustments that control how far the door will open or close are located on the side of the opener. The limits should be adjusted so the door operates just short of any door stops, and closes right at the floor level. Each full turn of an limit adjustment equals about 2-½" of door travel.

7 Replacing the Opener’s Lamp
If the operator lamp fails to light manually or when the operator is cycled, the bulb needs replacing. Use the following steps to replace the light bulb.

8 Troubleshooting

<table>
<thead>
<tr>
<th>LAMP FLASHING TROUBLE CODE</th>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Flash</td>
<td>No power</td>
<td>Add any additional remote control batteries.</td>
</tr>
<tr>
<td>2</td>
<td>Flashes</td>
<td>Door won’t open</td>
<td>Check wall station wiring. Check the circuit breaker. Replace the door control unit.</td>
</tr>
<tr>
<td>3</td>
<td>Flashes</td>
<td>Door won’t close</td>
<td>Safety beam obstacle. Check the safety beam wiring (from staples or at the opener terminals).</td>
</tr>
<tr>
<td>4</td>
<td>Flashes</td>
<td>Door reverses (open)</td>
<td>Replace the light bulb.</td>
</tr>
<tr>
<td>5</td>
<td>Flashes</td>
<td>Door won’t close</td>
<td>Door not balanced. Adjust the door balance by turning the counterbalance screw.</td>
</tr>
<tr>
<td>6</td>
<td>Flashes</td>
<td>Door closes fully</td>
<td>Door not balanced. Adjust the door balance by turning the counterbalance screw.</td>
</tr>
<tr>
<td>7</td>
<td>Flashes</td>
<td>Motor ran longer</td>
<td>Check for loose or damaged parts. Replace the door control unit.</td>
</tr>
<tr>
<td>8</td>
<td>Flashes</td>
<td>Door opens slowly</td>
<td>Check for loose or damaged parts. Replace the door control unit.</td>
</tr>
<tr>
<td>9</td>
<td>Flashes</td>
<td>Door closes fully</td>
<td>Door not balanced. Adjust the door balance by turning the counterbalance screw.</td>
</tr>
</tbody>
</table>

8 Testing & Adjusting the Door Force Safety System
The door force adjustments are located on the side of the opener. The door force adjustments must be properly set at all times. The CLOSE FORCE adjustment controls how much force is required to close the door and reverse the direction of the motor. The OPEN FORCE adjustment controls how much force is required to stop the door if an obstruction is encountered during opening.

ADJUST THE LIMIT UNTIL THE DOOR STOPS OPENING AND IS CENTERED IN THE OPEN POSITION.

ADJUST THE LIMIT UNTIL THE DOOR CLOSINGPOINT IS CENTERED IN THE CLOSED POSITION.

6 Safely Removing the Battery
When removing the battery, make sure to hold the battery in the up or open position, as described in Section 2.

4 Testing the Infrared Safety Beam
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