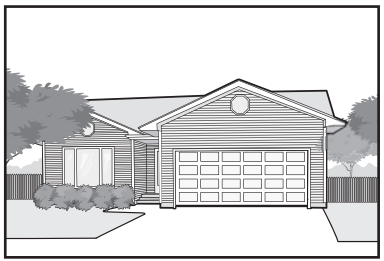
LiftMaster®

Garage Access Systems

Chain Drive Garage Door Opener

Model 8360

FOR RESIDENTIAL USE ONLY



- **Please read this manual and the enclosed safety materials carefully!**
- **Fasten the manual near the garage door after installation.**
- **The door WILL NOT CLOSE unless the Protector System® is connected and properly aligned.**
- **Periodic checks of the garage door opener are required to ensure safe operation.**
- **The model number label is located on the left side panel of your garage door opener.**
- **This garage door opener is ONLY compatible with MyQ™ and Security+®2.0 accessories.**
- **DO NOT enable the Timer-To-Close feature if you are installing the garage door opener on a one-piece door. The Timer -To-Close is to be used ONLY with sectional doors.**

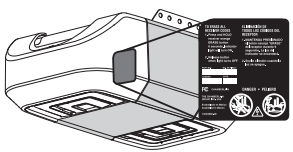
NOTE: *If you are installing the garage door opener on a one-piece door, visit www.liftmaster.com for installation instructions.*

Write down the following information for future reference:

Serial Number:

Date of Purchase:

/ /



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www.liftmaster.com

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Preparation

Safety Symbol and Signal Word Review

This garage door opener has been designed and tested to offer safe service provided it is installed, operated, maintained and tested in strict accordance with the instructions and warnings contained in this manual.

When you see these Safety Symbols and Signal Words on the following pages, they will alert you to the possibility of ***serious injury or death*** if you do not comply with the warnings that accompany them. The hazard may come from something mechanical or from electric shock. Read the warnings carefully.

⚠ WARNING

Mechanical

⚠ WARNING

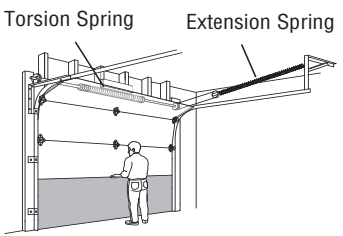
Electrical

When you see this Signal Word on the following pages, it will alert you to the possibility of damage to your garage door and/or the garage door opener if you do not comply with the cautionary statements that accompany it. Read them carefully.

CAUTION

Check the Door

1. Disable locks and remove any ropes connected to the garage door.
2. Lift the door halfway up. Release the door. If balanced, it should stay in place, supported entirely by its springs.
3. Raise and lower the door to check for binding or sticking. If your door binds, sticks, or is out of balance, call a trained door systems technician.
4. Check the seal on the bottom of the door. Any gap between the floor and the bottom of the door must not exceed 1/4 inch (6 mm). Otherwise, the safety reversal system may not work properly.
5. The opener should be installed above the center of the door. If there is a torsion spring or center bearing plate in the way of the header bracket, it may be installed within 4 feet (1.2 m) to the left or right of the door center. See installing the Header Bracket section.



⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

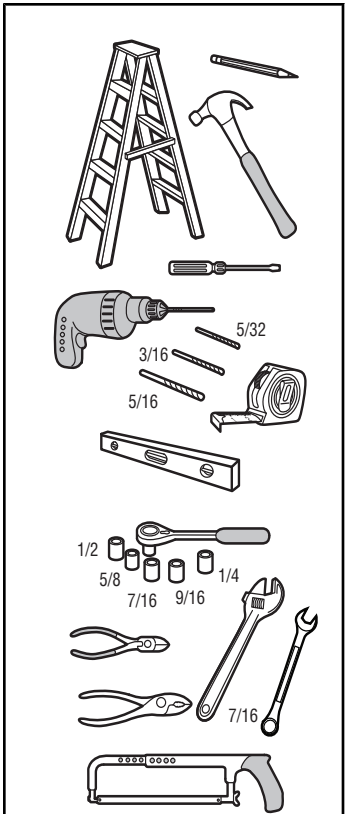
- ALWAYS call a trained door systems technician if garage door binds, sticks, or is out of balance. An unbalanced garage door may not reverse when required.
- NEVER try to loosen, move or adjust garage door, door springs, cables, pulleys, brackets or their hardware, ALL of which are under EXTREME tension.
- Disable ALL locks and remove ALL ropes connected to garage door BEFORE installation and operating garage door opener to avoid entanglement.

CAUTION

To prevent damage to garage door and opener:

- ALWAYS disable locks BEFORE installing and operating the opener.
- ONLY operate garage door opener at 120 V, 60 Hz to avoid malfunction and damage.

Tools Needed



Preparation

Overview/Carton Inventory

NOTE: *Accessories will vary depending on the garage door opener model purchased. Depending on your specific model, other accessories may be included with your garage door opener. The instructions for these accessories will be attached to the accessory and are not included in this manual. The images throughout this manual are for reference and your product may look different.*

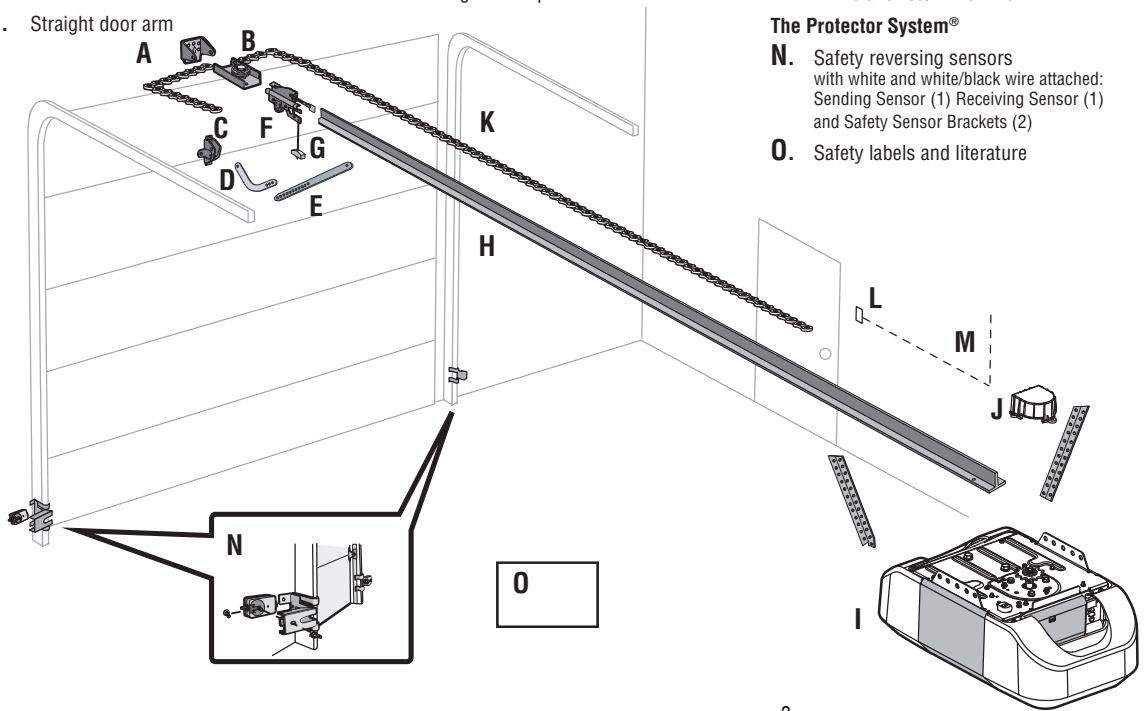
GARAGE DOOR OPENER ASSEMBLY

A. Header bracket
B. Pulley and bracket
C. Door bracket
D. Curved door arm
E. Straight door arm
F. Trolley
G. Emergency release rope and handle
H. Rail
I. Garage door opener
J. Sprocket cover
K. Chain
L. Door control
M. White and red/white wire

The Protector System®

N. Safety reversing sensors
with white and white/black wire attached:
Sending Sensor (1) Receiving Sensor (1)
and Safety Sensor Brackets (2)

O. Safety labels and literature



MyQ™ AND SECURITY+®2.0 ACCESSORIES

886LM
Premium
Motion-Detecting
Control Panel

893LM
Remote Control

Hardware

Assembly

H1 Washered Bolt 5/16"-18 x 1/2"(2)
[mounted in the top of the garage door opener]

Installation

H2 Hex Bolt 5/16"-18 x 7/8" (4)
H3 Lag Screw 5/16"-9 x 1-5/8" (2)
H4 Lag Screw 5/16"-18 x 1-7/8" (2)
H5 Clevis Pin 5/16" x 2-3/4" (1)
H6 Clevis Pin 5/16" x 1-1/4" (1)
H7 Clevis Pin 5/16" x 1" (1)
H8 Nut 5/16"-18 (4)
H9 Lock Washer 5/16"-16 (4)
H10 Self-Threading Screw 1/4"-14 x 5/8" (2)
H11 Ring Fastener (3)
H12 Carriage Bolt 1/4"-20 x 1/2" (2)
H13 Wing Nut 1/4"-20 (2)

Door Control Hardware

H14 Screw 6AB x 1-1/4" (2)
H15 Screw 6-32 x 1" (2)
H16 Drywall Anchors (2)
H17 Insulated Staples (10)

Assembly

1 Attach the rail to the garage door opener

⚠ WARNING

To avoid possible SERIOUS INJURY to finger from moving garage door opener:

- ALWAYS keep hand clear of sprocket while operating opener.
- Securely attach sprocket cover BEFORE operating.

CAUTION

To avoid SERIOUS damage to garage door opener, use ONLY those bolts/fasteners mounted in the top of the opener.

NOTE: *ONLY use the bolts removed from the garage door opener. Place the garage door opener on the packing material to prevent scratching.*

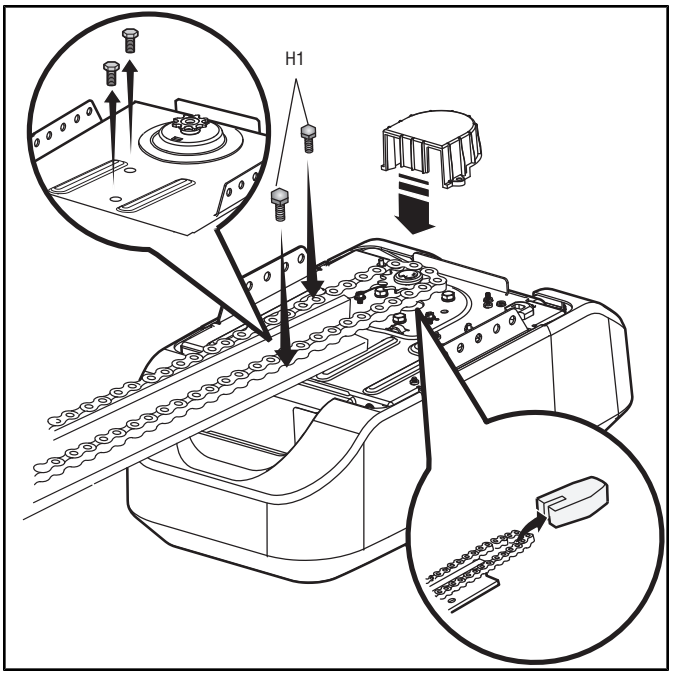
1.1 Remove the two bolts from the top of the garage door opener.

1.2 Align the rail and the styrofoam over the sprocket. Cut the tape from the rail, belt, and styrofoam.

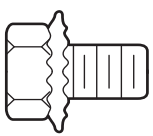
1.3 Fasten the rail with the previously removed bolts (H1).

1.4 Position the chain around the garage door opener sprocket.

1.5 Install the sprocket cover by squeezing the sides and inserting the tabs into the slots on the garage door opener.



HARDWARE



H1 (2)
Washered Bolt
5/16"-18 x 1/2"
Mounted in the garage door opener

.

Assembly

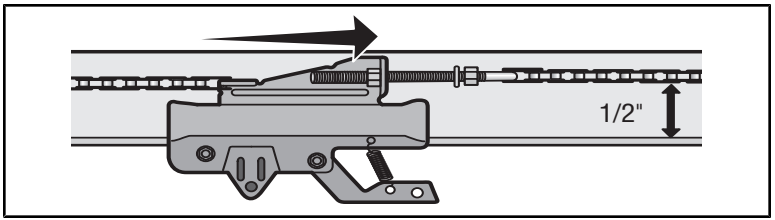
2 Tighten the Chain

2.1 Loosen the inner nut and lock washer on the trolley threaded shaft.

2.2 Tighten the outer nut until the chain is a 1/2 inch above the base of the rail at the midpoint of the rail.

2.3 Re-tighten the inner nut.
Slack in the chain is normal when the door is closed. No readjustment is necessary.

NOTE: *Sprocket noise can result if the chain is too loose. During future maintenance, ALWAYS pull the emergency release handle to disconnect the trolley before adjusting the chain.*



Installation

IMPORTANT INSTALLATION INSTRUCTIONS

⚠ ⚠ WARNING

To reduce the risk of SEVERE INJURY or DEATH:

1. READ AND FOLLOW ALL INSTALLATION WARNINGS AND INSTRUCTIONS.
2. Install garage door opener only on properly balanced and lubricated garage door. An improperly balanced door may not reverse when required and could result in SEVERE INJURY or DEATH.
3. ALL repairs to cables, spring assemblies and other hardware MUST be made by a trained door systems technician BEFORE installing opener.
4. Disable ALL locks and remove ALL ropes connected to garage door BEFORE installing opener to avoid entanglement.
5. Install garage door opener 7 feet (2.13 m) or more above floor.
6. Mount the emergency release within reach, but at least 6 feet (1.83 m) above the floor and avoiding contact with vehicles to avoid accidental release.
7. NEVER connect garage door opener to power source until instructed to do so
8. NEVER wear watches, rings or loose clothing while installing or servicing opener. They could be caught in garage door or opener mechanisms.
9. Install wall-mounted garage door control:
   - within sight of the garage door.
   - out of reach of children at minimum height of 5 feet (1.5 m).
   - away from ALL moving parts of the door.
10. Place entrapment warning label on wall next to garage door control
11. Place manual release/safety reverse test label in plain view on inside of garage door.
12. Upon completion of installation, test safety reversal system. Door MUST reverse on.contact with a 1-1/2" (3.8 cm) high object (or a 2x4 laid fl at) on the floor.
13. To avoid SERIOUS PERSONAL INJURY or DEATH from electrocution, disconnect ALL electric and battery power BEFORE performing any service or maintenance.
14. DO NOT enable the Timer-to-Close functionality if operating either one-piece or swinging garage doors. To be enabled ONLY when operating a sectional door.

NOTE: *If you are installing the garage door opener on a one-piece door, visit www.liftmaster.com for installation instructions.*

1 Determine the header bracket location

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

- Header bracket MUST be RIGIDLY fastened to structural support on header wall or ceiling, otherwise garage door might NOT reverse when required. DO NOT install header bracket over drywall.
- Concrete anchors MUST be used if mounting header bracket or 2x4 into masonry.
- NEVER try to loosen, move or adjust garage door, springs, cables, pulleys, brackets, or their hardware, ALL of which are under EXTREME tension.
- ALWAYS call a trained door systems technician if garage door binds, sticks, or is out of balance. An unbalanced garage door might NOT reverse when required.
- DO NOT enable the Timer-to-Close functionality if operating either one-piece or swinging garage doors. To be enabled ONLY when operating a sectional door.

NOTE: *If you are installing the garage door opener on a one-piece door, visit www.liftmaster.com for installation instructions.*

1.1 Close the door and mark the inside vertical centerline of the garage door.

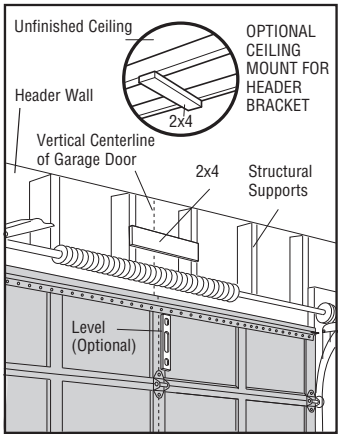
1.2 Extend the line onto the header wall above the door.

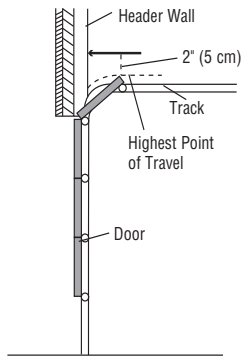
You can fasten the header bracket within 4 feet (1.22 m) of the left or right of the door center only if a torsion spring or center bearing plate is in the way; or you can attach it to the ceiling when clearance is minimal. (It may be mounted on the wall upside down if necessary, to gain approximately 1/2" (1 cm).

If you need to install the header bracket on a 2x4 (on wall or ceiling), use lag screws (not provided) to securely fasten the 2x4 to structural supports.

1.3 Open your door to the highest point of travel as shown. Draw an intersecting horizontal line on the header wall 2" (5 cm) above the high point. This height will provide travel clearance for the top edge of the door.

NOTE: *If the total number of inches exceeds the height available in your garage, use the maximum height possible, or refer to page 8 ceiling installation.*





Sectional door with curved track

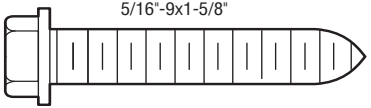
Installation

2 Install the Header Bracket

You can attach the header bracket either to the wall above the garage door, or to the ceiling. Follow the instructions which will work best for your particular requirements. **Do not install the header bracket over drywall. If installing into masonry, use concrete anchors (not provided).**

HARDWARE

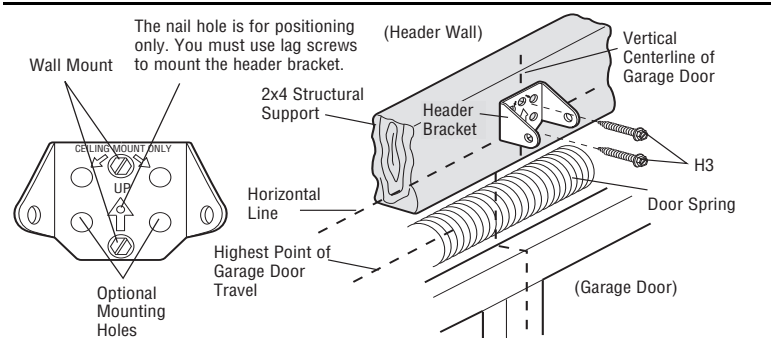
H3 (2)
Lag Screw
5/16"-9x1-5/8"



OPTION A WALL INSTALLATION

2.1A Center the bracket on the vertical centerline with the bottom edge of the bracket on the horizontal line as shown (with the arrow pointing toward the ceiling).

2.2A Mark the vertical set of bracket holes (do not use the holes designated for ceiling mount). Drill 3/16" pilot holes and fasten the bracket securely to a structural support with the hardware provided (H3).

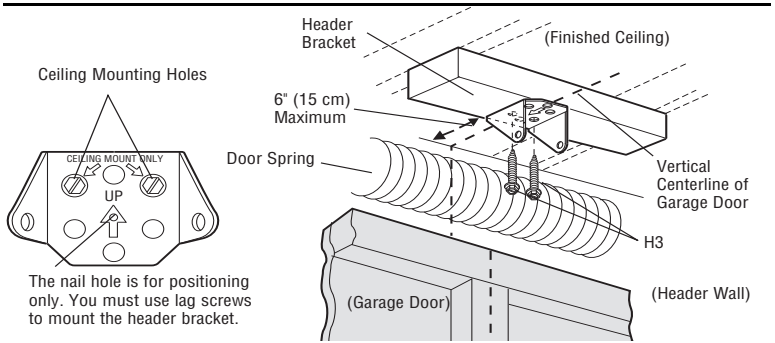


OPTION B CEILING INSTALLATION

2.1B Extend the vertical centerline onto the ceiling as shown.

2.2B Center the bracket on the vertical mark, no more than 6" (15 cm) from the wall. Make sure the arrow is pointing away from the wall. The bracket can be mounted flush against the ceiling when clearance is minimal.

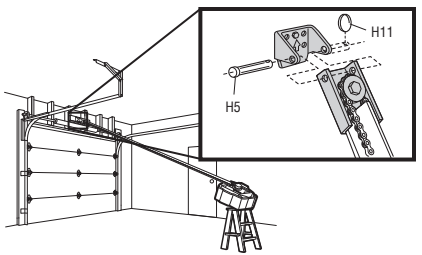
2.3B Mark the side holes. Drill 3/16" pilot holes and fasten bracket securely to a structural support with the hardware provided (H3).



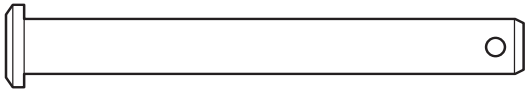
3 Attach the rail to the header bracket

3.1 Align the rail with the header bracket. Insert the clevis pin (H5) through the holes in the header bracket and rail. Secure with the ring fastener (H11).

NOTE: *Use the packing material as a protective base for the garage door opener.*



HARDWARE



H5
Clevis Pin
5/16"x2-3/4"

H11
Ring Fastener

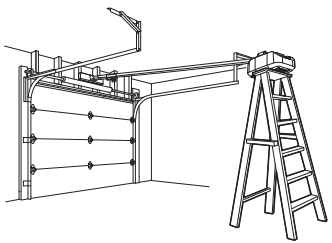
4 Position the garage door opener

CAUTION

To prevent damage to garage door, rest garage door opener rail on 2x4 placed on top section of door.

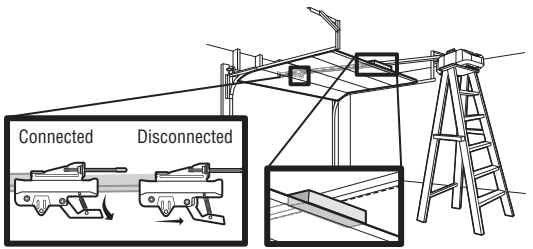
4.1 Remove the packing material and lift the garage door opener onto a ladder.

NOTE: *A 2x4 is ideal for setting the distance between the rail and the door. If the ladder is not tall enough you will need help at this point.*



4.2 Fully open the door and place a 2x4 (laid flat) under the rail.

NOTE: *If the door hits the trolley when it is raised, pull the trolley release arm down to disconnect the inner and outer trolley. Slide the outer trolley toward the garage door opener. The trolley can remain disconnected until instructed.*



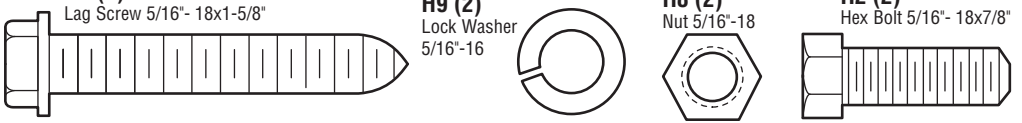
Installation

5 Hang the garage door opener

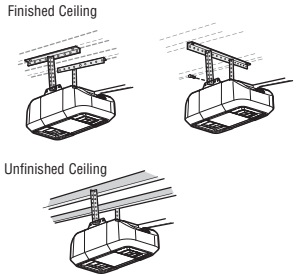
⚠ WARNING

To avoid possible SERIOUS INJURY from a falling garage door opener, fasten it SECURELY to structural supports of the garage. Concrete anchors MUST be used if installing ANY brackets into masonry.

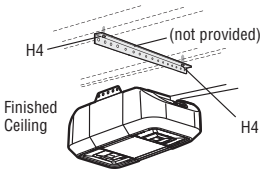
HARDWARE



Hanging the garage door opener will vary depending on your garage. Below are three example installations. Your installation may be different. For ALL installations the garage door opener MUST be connected to structural supports. The instructions illustrate one of the examples below.

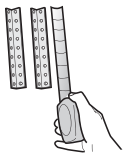


5.1 On finished ceilings, use the lag screws (H4) to attach a support bracket (not provided) to the structural supports before installing the garage door opener.

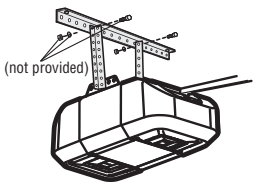


5.2 Make sure the garage door opener is aligned with the header bracket. Measure the distance from each side of the garage door opener to the support bracket.

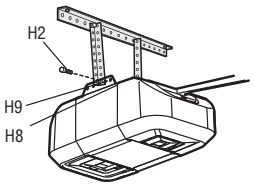
5.3 Cut both pieces of the hanging bracket (not provided) to required lengths.



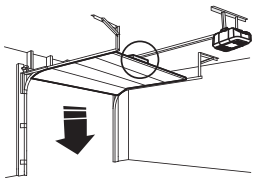
5.4 Attach the end of each hanging bracket to the support bracket with appropriate hardware (not provided).



5.5 Attach the garage door opener to the hanging brackets with the bolts (H2), lock washers (H9) and nuts (H8).



5.6 Remove the 2x4 and manually close the door. If the door hits the rail, raise the header bracket.



6 Install the light bulbs

CAUTION

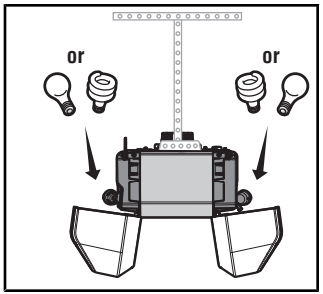
To prevent possible OVERHEATING of the end panel or light socket:
- Use ONLY A19 incandescent or compact fluorescent light bulbs.
- DO NOT use incandescent bulbs larger than 100W.
- DO NOT use compact fluorescent light bulbs larger than 26W (100W) equivalent.
- DO NOT use halogen bulbs.
- DO NOT use short neck or specialty light bulbs.

6.1 Pull on the top center of the light lens and rotate the light lens down.

6.2 Insert an A19 incandescent or compact fluorescent light bulb (100 watt maximum), into the light socket.

6.3 Rotate the lens up to close.

NOTE: *The use of short neck or speciality light bulbs may overheat the end panel or light socket.*



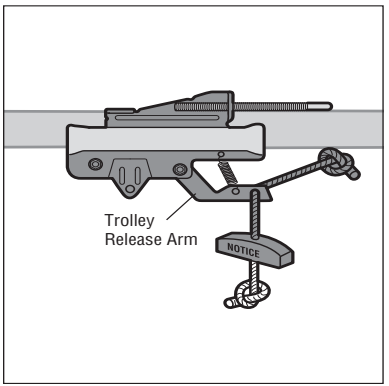
7 Attach the emergency release rope and handle

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH from a falling garage door:
- If possible, use emergency release handle to disengage trolley ONLY when garage door is CLOSED. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly.
- NEVER use emergency release handle unless garage doorway is clear of persons and obstructions.
- NEVER use handle to pull door open or closed. If rope knot becomes untied, you could fall.

7.1 Insert one end of the emergency release rope through the handle. Make sure that "NOTICE" is right side up. Tie a knot at least 1 inch (2.5 cm) from the end of the emergency release rope.

7.2 Insert the other end of the emergency release rope through the hole in the trolley release arm. Make sure the handle is 6 feet (1.83 m) above the floor and secure with a knot.



NOTE: *If it is necessary to cut the emergency release rope, seal the cut end with a match or lighter to prevent unraveling. Ensure the emergency release rope and handle are above the top of all vehicles to avoid entanglement.*

Installation

8 Install the door bracket

CAUTION

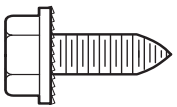
Fiberglass, aluminum or lightweight steel garage doors **WILL REQUIRE** reinforcement BEFORE installation of door bracket. Contact your door manufacturer for reinforcement kit.

Figure 1 shows one piece of angle iron as the horizontal brace. For the vertical brace, 2 pieces of angle iron are used to create a U-shaped support. The best solution is to check with your garage door manufacturer for an opener installation door reinforcement kit.

NOTE: *Many door reinforcement kits provide for direct attachment of the clevis pin and door arm. In this case you will not need the door bracket; proceed to the next step.*

HARDWARE

H10 (2)
Self-Threading Screw
1/4˝-14x5/8˝



8.1 Center the door bracket on the previously marked vertical centerline used for the header bracket installation. Note correct UP placement, as stamped inside the bracket.

8.2 Position the top edge of the bracket 2"-4" (5-10 cm) below the top edge of the door, OR directly below any structural support across the top of the door.

8.3 Mark, drill holes and install as follows, depending on your door's construction:

Metal or light weight doors using a vertical angle iron brace between the door panel support and the door bracket:

- Drill 3/16" fastening holes. Secure the door bracket using the two self threading screws (H10). (Figure 2)
- Alternately, use two 5/16" bolts, lock washers and nuts (not provided). (Figure 3)

Metal, insulated or light weight factory reinforced doors:

- Drill 3/16" fastening holes. Secure the door bracket using the self-threading screws (H10). (Figure 4)

Wood Doors:

- Use top and bottom or side to side door bracket holes. Drill 5/16" holes through the door and secure bracket with 5/16"x2" carriage bolts, lock washers and nuts (not provided). (Figure 5)

NOTE: *The 1/4"-14x5/8" self-threading screws are not intended for use on wood doors.*

A horizontal and vertical reinforcement is needed for lightweight garage doors (fiberglass, aluminum, steel, doors with glass panel, etc.) (not provided).
A horizontal reinforcement brace should be long enough to be secured to two or three vertical supports. A vertical reinforcement brace should cover the height of the top panel.

FIGURE 1

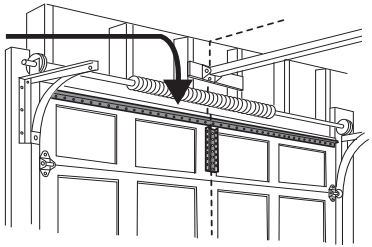


FIGURE 2

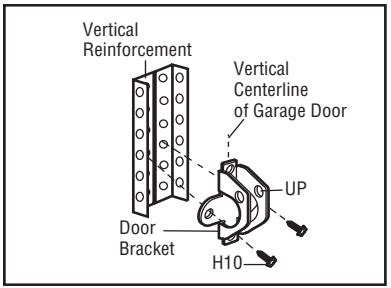


FIGURE 3

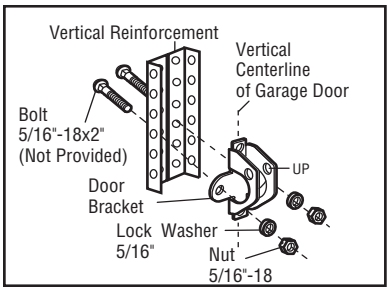


FIGURE 4

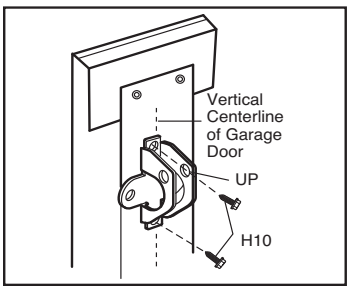
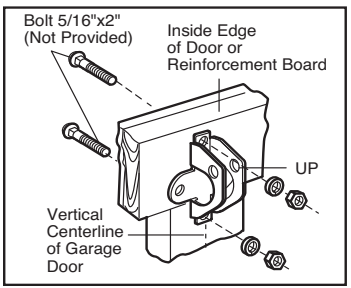
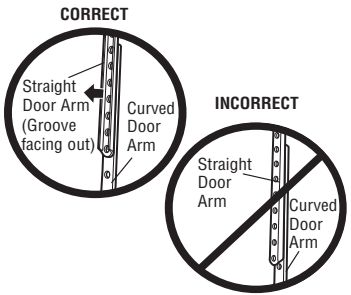


FIGURE 5



9 Connect the door arm to the trolley

IMPORTANT: *The groove on the straight door arm MUST face away from the curved door arm.*



HARDWARE

H2 (2)
Hex Bolt 5/16"-18x7/8"

H7
Clevis Pin 5/16"x1"

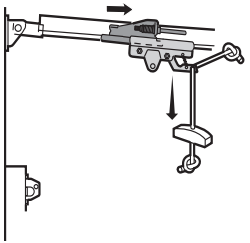
H8 (2)
Nut 5/16"-18

H11 (2)
Ring Fastener

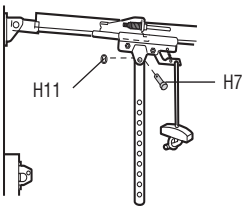
H9 (2)
Lock Washer 5/16" -16

H6
Clevis Pin 5/16"x1-1/4"

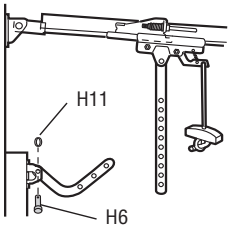
9.1 Close the door. Disconnect the trolley by pulling the emergency release handle. Slide the outer trolley back (away from the door) about 2" (5 cm).



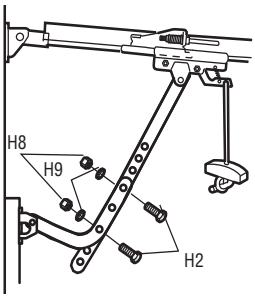
9.2 Attach the straight door arm to the outer trolley using the clevis pin (H7). Attach with the ring fastener (H11).



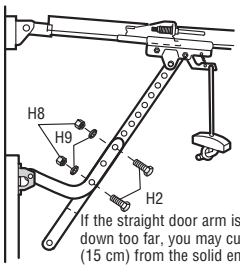
9.3 Attach the curved door arm to the door bracket using the clevis pin (H6). Attach with the ring fastener (H11).



9.4 Align the straight door arm with the curved door arm. Select two aligned holes (as far apart as possible) and attach using the bolts (H2), nuts (H8) and lock washers (H9).

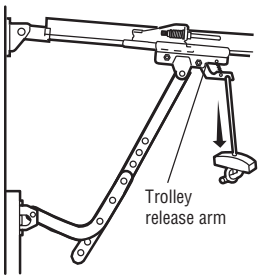


NOTE: *If the holes do not line up, reverse the straight door arm. Select two aligned holes (as far apart as possible) and attach using the bolts (H2), nuts (H8) and lock washers (H9).*



If the straight door arm is hanging down too far, you may cut 6 inches (15 cm) from the solid end.

9.5 Pull the emergency release handle toward the garage door opener until the trolley release arm is horizontal. The trolley will re-engage automatically when the garage door opener is activated.



Install the Door Control

1 Install the door control

⚠⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution:

- Be sure power is NOT connected BEFORE installing door control.
- Connect ONLY to 24 VOLT low voltage wires.

To prevent possible SERIOUS INJURY or DEATH from a closing garage door:

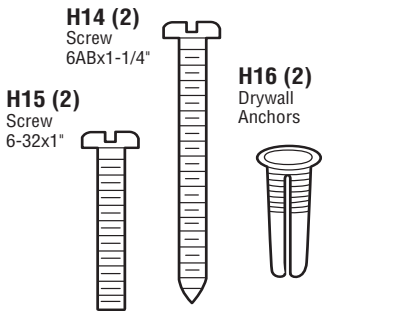
- Install door control within sight of garage door, out of reach of children at a minimum height of 5 feet (1.5 m), and away from ALL moving parts of door.
- NEVER permit children to operate or play with door control push buttons or remote control transmitters.
- Activate door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
- ALWAYS keep garage door in sight until completely closed. NEVER permit anyone to cross path of closing garage door.

INTRODUCTION

Compatible with MyQ™ and Security+®2.0 accessories. ***NOTE:*** *Older LiftMaster accessories and third party products are not compatible.*Your garage door opener is compatible with up to 2 Smart Control Panels or 4 of any other Security+®2.0 door controls. Install the door control within sight of the door at a minimum height of 5 feet (1.5 m) where small children cannot reach, and away from the moving parts of the door.

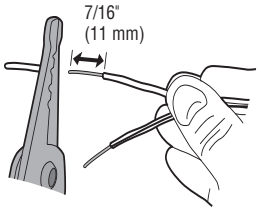
NOTE: *Your product may look different than moving parts of the door the illustrations.*

HARDWARE



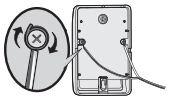
NOTE: *For gang box installations it is not necessary to drill holes or install the drywall anchors. Use the existing holes in the gang box.*

1.1 Strip 7/16 inch (11 mm) of insulation from one end of the wire and separate the wires.

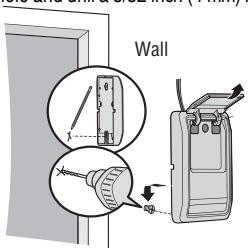


1.2 Connect one wire to each of the two screws on the back of the door control. The wires can be connected to either screw.

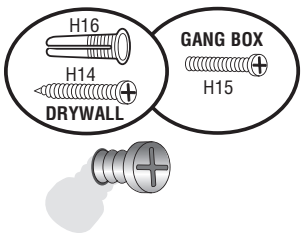
PRE-WIRED INSTALLATIONS: Choose any two wires to connect, note which wires are used so the correct wires are connected at the garage door opener in a later step.



1.3 Mark the location of the bottom mounting hole and drill a 5/32 inch (4 mm) hole.



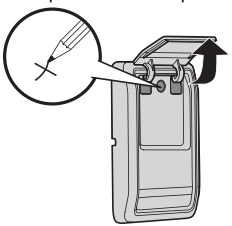
1.4 Install the bottom screw, allowing 1/8 inch (3 mm) to protrude from the wall.



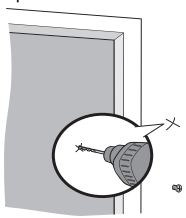
Install the Door Control

1.5 Position the bottom hole of the door control over the screw and slide down into place.

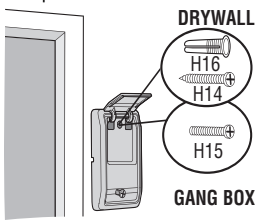
1.6 Lift the push bar up and mark the top hole.



1.7 Remove the door control from the wall and drill a 5/32 inch (4 mm) hole for the top screw.



1.8 Position the bottom hole of the door control over the screw and slide down into place. Attach the top screw.



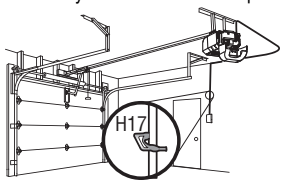
2 Wire the door control to the garage door opener

HARDWARE

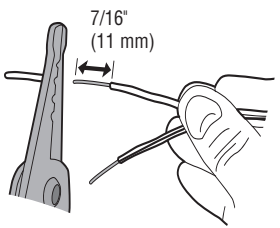
H17 (10)
Insulated Staple

PRE-WIRED INSTALLATIONS: When wiring the door control to the garage door opener make sure you use the same wires that are connected to the door control.

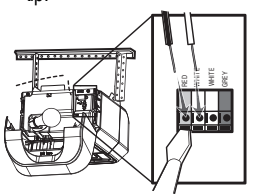
2.1 Run the white and red/white wire from the door control to the garage door opener. Attach the wire to the wall and ceiling with the staples (H17) (not applicable for gang box or pre-wired installations). Do not pierce the wire with the staple as this may cause a short or an open circuit.



2.2 Strip 7/16 inch (11 mm) of insulation from the end of the wire near the garage door opener.



2.3 Connect the wire to the red and white terminals on the garage door opener. To insert or release wires from the terminal, push in the tab with screwdriver tip.

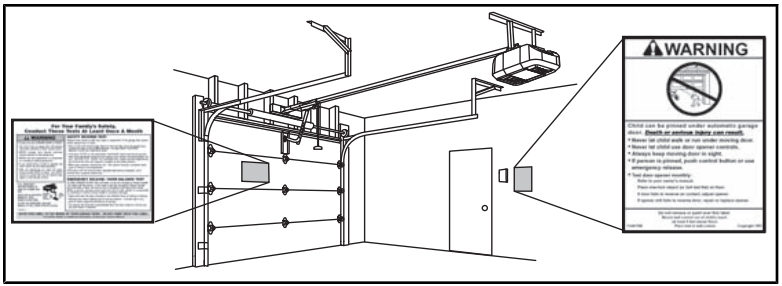


Install the Door Control

3 Attach the warning labels

3.1 Attach the entrapment warning label on the wall near the door control with tacks or staples.

3.2 Attach the manual release/safety reverse test label in a visible location on the inside of the garage door.



Install the Protector System®

Introduction

⚠ WARNING

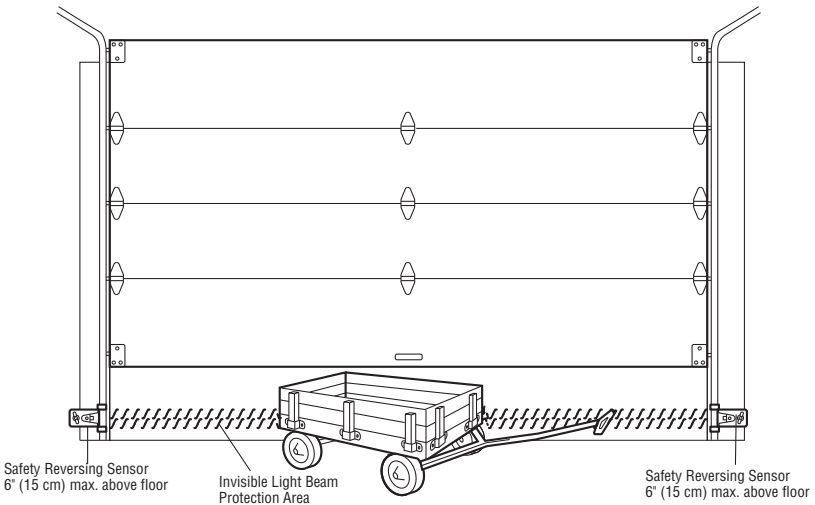
Be sure power is NOT connected to the garage door opener BEFORE installing the safety reversing sensor.
To prevent SERIOUS INJURY or DEATH from closing garage door:

- Correctly connect and align the safety reversing sensor. This required safety device MUST NOT be disabled.
- Install the safety reversing sensor so beam is NO HIGHER than 6" (15 cm) above garage floor.

IMPORTANT INFORMATION ABOUT THE SAFETY REVERSING SENSORS

The safety reversing sensors must be connected and aligned correctly before the garage door opener will move in the down direction.
The sending sensor (with an amber LED) transmits an invisible light beam to the receiving sensor (with a green LED). If an obstruction breaks the light beam while the door is closing, the door will stop and reverse to the full open position, and the garage door opener lights will flash 10 times.
NOTE: *For energy efficiency the garage door opener will enter sleep mode when the door is fully closed. The sleep mode shuts the garage door opener down until activated. The sleep mode is sequenced with the garage door opener light bulb; as the light bulb turns off the sensor LEDs will turn off and whenever the garage door opener lights turn on the sensor LEDs will light. The garage door opener will not go into the sleep mode until the garage door opener has completed 5 cycles upon power up.*
When installing the safety reversing sensors check the following:

- Sensors are installed inside the garage, one on either side of the door.
- Sensors are facing each other with the lenses aligned and the receiving sensor lens does not receive direct sunlight.
- Sensors are no more than 6 inches (15 cm) above the floor and the light beam is unobstructed.



Install the Protector System®

1 Install the Safety Reversing Sensors

The safety reversing sensors can be attached to the door track, the wall, or the floor. If the door track will not support the sensor bracket a wall installation is recommended. Choose one of the following installations.

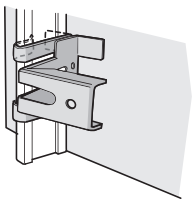
HARDWARE

H12 (2)
Carriage Bolt
1/4"-20x1/2"

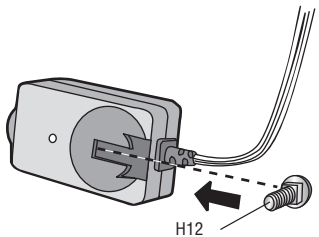
H13 (2)
Wing Nut
1/4"-20

OPTION A DOOR TRACK INSTALLATION

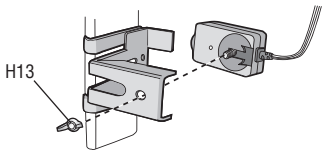
1.1A Slide the curved arms of the sensor bracket around the edge of the door track. Snap into place so that the sensor bracket is flush against the track.



1.2A Slide the carriage bolt (H12) into the slot on each sensor.



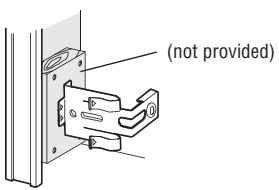
1.3A Insert the bolt through the hole in the sensor bracket and attach with the wing nut (H13). The lenses on both sensors should point toward each other. Make sure the lens is not obstructed by the sensor bracket.



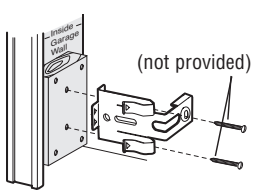
OPTION B WALL INSTALLATION

If additional clearance is needed an extension bracket (not provided) or wood blocks can be used. Make sure each bracket has the same amount of clearance so they will align correctly.

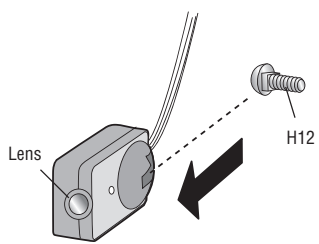
1.1B Position the sensor bracket against the wall with the curved arms facing the door. Make sure there is enough clearance for the beam to be unobstructed. Mark holes.



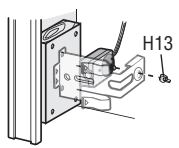
1.2B Drill 3/16 inch pilot holes for each sensor bracket and attach the sensor brackets to the wall using lag screws (not provided).



1.3B Slide the carriage bolt (H12) into the slot on each sensor.



1.4B Insert the bolt through the hole in the sensor bracket and attach with the wing nut (H13). The lenses on both sensors should point toward each other. Make sure the lens is not obstructed by the sensor bracket.



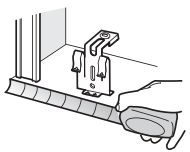
Install the Protector System®

1 Install the Safety Reversing Sensors

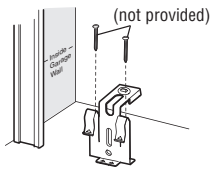
OPTION C FLOOR INSTALLATION

Use an extension bracket (not provided) or wood black to raise the sensor bracket if needed.

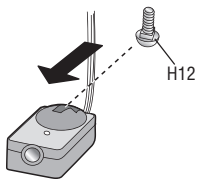
1.1C Carefully measure the position of both sensor brackets so they will be the same distance from the wall and unobstructed.



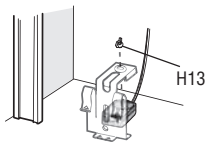
1.2C Attach the sensor brackets to the floor using concrete anchors (not provided).



1.3C Slide the carriage bolt (H12) into the slot on each sensor.



1.4C Insert the bolt through the hole in the sensor bracket and attach with the wing nut (H13). The lens on both sensors should point toward each other. Make sure the lens is not obstructed by the sensor bracket.



2 Wire the Safety Reversing Sensors

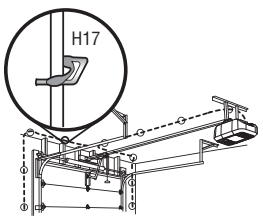
PRE-WIRED INSTALLATIONS: If your garage already has wires installed for the safety reversing sensors, refer to the instructions on the following page.

HARDWARE

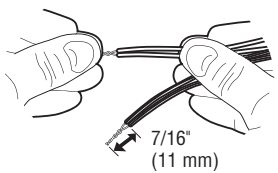
H17 (10)
Insulated Staple

OPTION A INSTALLATION WITHOUT PRE-WIRING

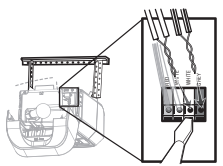
2.1A Run the wire from both sensors to the garage door opener. Attach the wire to the wall and ceiling with the staples (H17).



2.2A Strip 7/16 inch (11 mm) of insulation from each set of wires. Separate the wires. Twist the white wires together. Twist the white/black wires together.



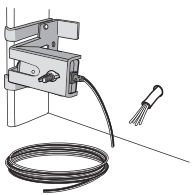
2.3A Insert the white wires into the white terminal on the garage door opener. Insert the white/black wires into the grey terminal on the garage door opener. To insert or remove the wires from the terminal, push in the tab with a screwdriver tip.



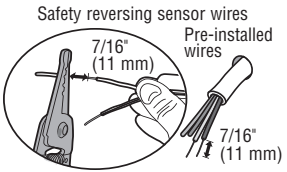
Install the Protector System®

OPTION B PRE-WIRED INSTALLATION

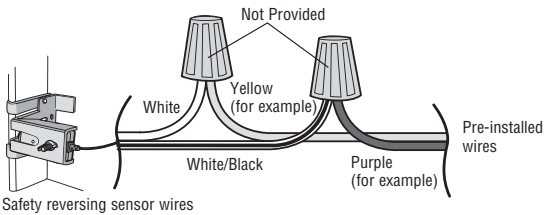
2.1B Cut the end of the safety reversing sensor wire, making sure there is enough wire to reach the pre-installed wires from the wall.



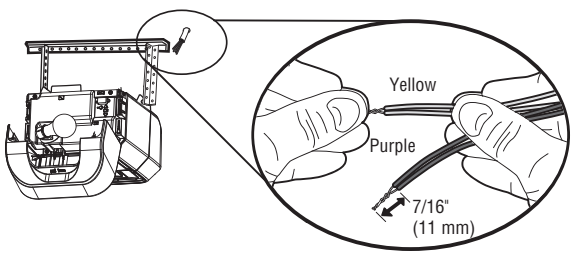
2.2B Separate the safety reversing sensor wires and strip 7/16 inch (11 mm) of insulation from each end. Choose two of the pre-installed wires and strip 7/16 inch (11 mm) of insulation from each end. Make sure that you choose the same color pre-installed wires for each sensor.



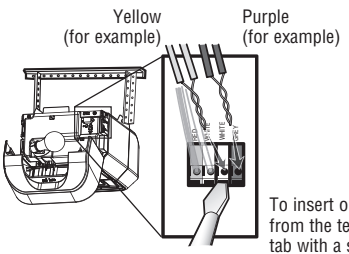
2.3B Connect the pre-installed wires to the sensor wires with wire nuts making sure the colors correspond for each sensor. For example, the white wire would connect to the yellow wire and the white/black wire would connect to the purple wire.



2.4B At the garage door opener, strip 7/16 inch (11 mm) of insulation from each end of the wires previously chosen for the safety reversing sensors. Twist the like-colored wires together.



2.5B Insert the wires connected to the white safety sensor wires to the white terminal on the garage door opener. Insert the wires that are connected to the white/black safety sensor wires to the grey terminal on the garage door opener.



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

Power

1 Connect Power

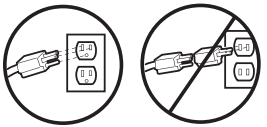
⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution or fire:

- Be sure power is NOT connected to the opener, and disconnect power to circuit BEFORE removing cover to establish permanent wiring connection.
- Garage door installation and wiring MUST be in compliance with ALL local electrical and building codes.
- NEVER use an extension cord, 2-wire adapter, or change plug in any way to make it fit outlet. Be sure the opener is grounded.

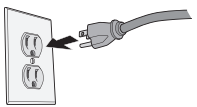
To avoid installation difficulties, do not activate the garage door opener at this time.

To reduce the risk of electric shock, your garage door opener has a grounding type plug with a third grounding pin. This plug will only fit into a grounding type outlet. If the plug doesn't fit into your outlet, contact a qualified electrician to install the proper outlet.



THERE ARE TWO OPTIONS FOR CONNECTION POWER:

OPTION A TYPICAL WIRING

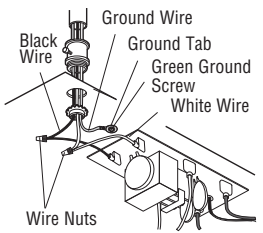


1.1A Plug in the garage door opener into a grounded outlet.
1.2A DO NOT run garage door opener at this time.

OPTION B PERMANENT WIRING

If permanent wiring is required by your local code, refer to the following procedure.
To make a permanent connection through the 7/8" hole in the top of the motor unit (according to local code):

PERMANENT WIRING CONNECTION



1.1B Be sure power is NOT connected to the opener, and disconnect power to circuit.
1.2B Remove the garage door opener cover and set aside.
1.3B Remove the attached green ground terminal.
1.4B Cut black and white wires and strip away 1/2" (1 cm) of insulation, 3" (7.5 cm) before spade terminals.
1.5B Remove the power cord from opener.
1.6B Install a conduit or flex cable adapter to the 7/8" hole.
1.7B Run wires through conduit, cut to proper length and strip insulation.
1.8B Attach with wire nuts provided. Attach the ground wire to the green ground screw.The opener must be grounded.
1.9B Properly secure wire under plastic ties so that wire does not come in contact with moving parts.
1.10B Reinstall the cover. DO NOT run garage door opener at this time.

Power

2 Ensure the Safety Reversing Sensors are aligned

The door will not close if the sensors have not been installed and aligned correctly.

When the light beam is obstructed or misaligned while the door is closing, the door will reverse and the garage door opener lights will flash ten times. If the door is already open, it will not close. The sensors can be aligned by loosening the wing nuts, aligning the sensors, and tightening the wing nuts.

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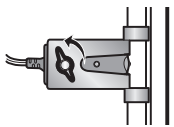
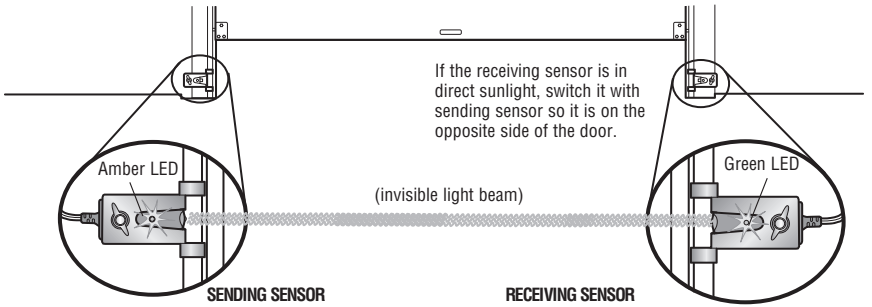
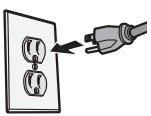


2.1 Check to make sure the LEDs in both sensors are glowing steadily. The LEDs in both sensors will glow steadily if they are aligned and wired correctly.



IF THE AMBER LED ON THE SENDING SENSOR IS NOT GLOWING:

Make sure there is power to the garage door opener.



Make sure the sensor wire is not shorted/broken.

Make sure the sensor has been wired correctly: white wires to white terminal and white/black wires to grey terminal.

IF THE GREEN LED ON THE RECEIVING SENSOR IS NOT GLOWING:

Make sure the sensor wire is not shorted/broken.

Make sure the sensors are aligned.

3 Ensure the Door Control is wired correctly

If the door control has been installed and wired correctly, the command LED behind the push bar will blink.

Adjustments

⚠ 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.

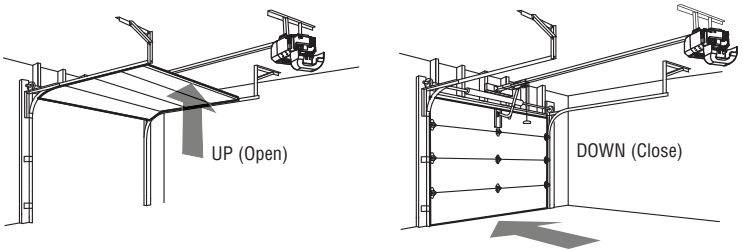
CAUTION

To prevent damage to vehicles, be sure fully open door provides adequate clearance.

TIP: *If anything interferes with the door's upward travel it will stop. If anything interferes with the door's downward travel, it will reverse.*

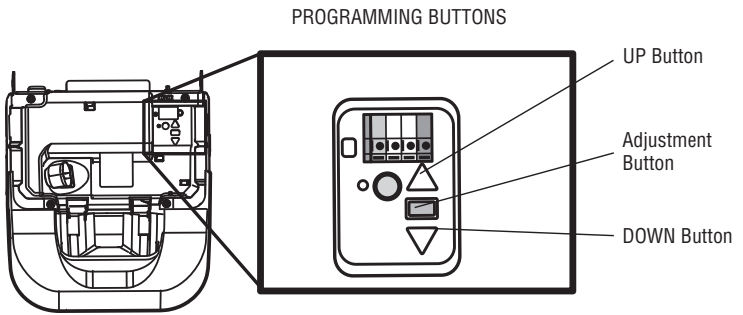
INTRODUCTION

Your garage door opener is designed with electronic controls to make setup and adjustments easy. The adjustments allow you to program where the door will stop in the open (UP) and close (DOWN) position. The electronic controls sense the amount of force required to open and close the door. The force is adjusted automatically when you program the travel and cannot be changed.



PROGRAMMING BUTTONS

The programming buttons are located on the left side panel of the garage door opener and are used to program the travel.



Adjustments

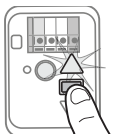
1 Program the Travel

⚠ WARNING

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

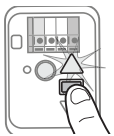
- Incorrect adjustment of garage door travel limits will interfere with proper operation of safety reversal system.
- ANY adjustments are made, the safety reversal system MUST be tested. Door MUST reverse on contact with 1-1/2" (3.8 cm) high object (or 2x4 laid flat) on floor.

1.1 Press and hold the Adjustment Button until the UP Button begins to flash and/or a beep is heard.

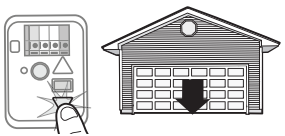


1.2 Press and hold the UP Button until the door is in the desired UP position.
NOTE: *The UP and DOWN Buttons can be used to move the door up and down as needed.*

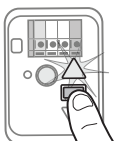
1.3 Once the door is in the desired UP position press and release the Adjustment Button. The garage door opener lights will flash twice and the DOWN Button will begin to flash.



1.4 Press and hold the DOWN Button until the door is in the desired DOWN position.
NOTE: *The UP and DOWN Buttons can be used to move the door up and down as needed.*

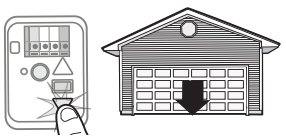


1.5 Once the door is in the desired DOWN position press and release the Adjustment Button. The garage door opener lights will fl ash twice and the UP Button will begin to flash.



1.6 Press and release the UP Button. When the door travels to the programmed UP position, the DOWN Button will begin to flash.

1.7 Press and release the DOWN Button. The door will travel to the programmed DOWN position. Programming is complete.



* If the garage door opener lights are flashing 5 times during the steps for Program the Travel, the programming has timed out. If the garage door opener lights are flashing 10 times during the steps for Program the Travel, the safety reversing sensors are misaligned or obstructed (refer to page 18). When the sensors are aligned and unobstructed, cycle the door through a complete up and down cycle using the remote control or the UP and DOWN buttons. Programming is complete. If you are unable to operate the door up and down, repeat the steps for Programming the Travel.

Adjustments

2 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 2x4 laid flat) on the floor.

2.1 With the door fully open, place a 1-1/2 inch (3.8 cm) board (or a 2x4 laid flat) on the floor, centered under the garage door.

2.2 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 and does not reverse on the obstruction, the travel needs to be adjusted (refer to Adjustment Step 1).

Repeat the test. When the door reverses upon contact with the 1-1/2 inch board, remove the board and open/close the door 3 or 4 times to test the adjustment.

If the test continues to fail, call a trained door systems technician.

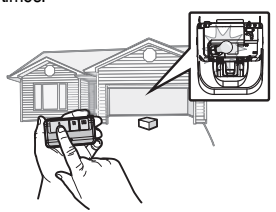
3 Test the Protector System

⚠ WARNING

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

3.1 Open the door. Place the garage door opener carton in the path of the door.

3.2 Press the remote control push button to close the door. The door will not move more than an inch (2.5 cm), and the garage door opener lights will flash 10 times.



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.

Battery Backup

⚠ WARNING

To reduce the risk of FIRE or INJURY to persons:

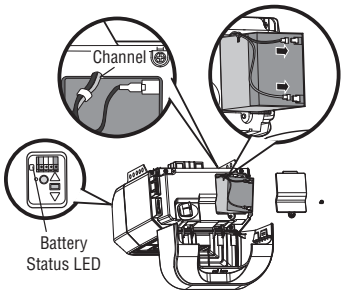
- Disconnect ALL electric and battery power BEFORE performing ANY service or maintenance.
- Use ONLY LiftMaster part # 485LM for replacement battery.
- Do NOT dispose of battery in fire. Battery may explode. Check with local codes for disposal instructions.

CAUTION

ALWAYS wear protective gloves and eye protection when changing the battery or working around the battery compartment.

1 Install the battery

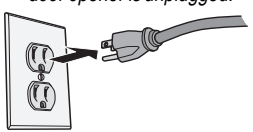
1.1 Unplug the garage door opener.
1.2 Open the light lens on the right side panel of the garage door opener. Use a Phillips head screwdriver to remove the battery cover on the garage door opener.
1.3 Partially insert the battery into the battery compartment with the terminals facing out.
1.4 Connect red (+) and black (-) wires from the garage door opener to the corresponding terminals on the battery.
1.5 Verify the battery wires are seated in the channel and replace the battery cover.
1.6 Plug in the garage door opener.
1.7 Wait for the green Battery Status LED to start flashing before proceeding to test the battery.



2 Test the battery

2.1 Unplug the garage door opener. The battery status LED will either glow solid orange indicating opener is operating on battery power or will flash indicating low battery power.

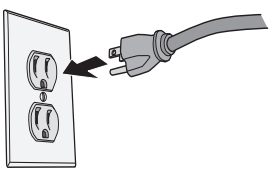
NOTE: *Make sure the garage door opener is unplugged.*



2.2 Open and close the door using the remote control or door control.

NOTE: *The garage door opener may run slower if the battery is not fully charged. The battery will take 24 hours to fully charge.*

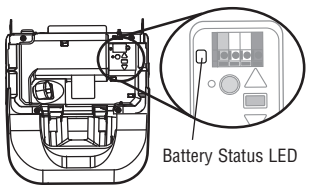
2.3 Plug in the garage door opener. Verify the battery status LED flashing green, indicating the battery is charging.



Battery Backup

BATTERY STATUS LED

NOTE: *The Battery Status LED is most visible with the garage door opener light off. Battery does not have to be fully charged to operate the garage door opener.*



GREEN LED:

All systems are normal.

- A solid green LED light indicates the battery is fully charged.
- A flashing green LED indicates the battery is being charged.

ORANGE LED:

The garage door opener has lost power and is in battery backup mode.

- A solid orange LED with beep, sounding approximately every 2 seconds, indicates the garage door opener is operating on battery power.
- A flashing orange LED with beep, sounding every 30 seconds, indicates the battery is low.

RED LED:

The garage door opener's 12V battery needs to be replaced.

- A solid red LED with beep, sounding every 30 seconds, indicates the 12V battery will no longer hold a charge and needs to be replaced. Please call for replacement battery to allow your system to operate during a power outage.

CHARGE THE BATTERY

The battery will take 24 hours to fully charge. A fully charged battery supplies 12V DC to the garage door opener for one to two days of normal operation during an electrical power outage. Once the battery voltage drops too low, the battery will no longer operate. After the electrical power has been restored, the battery will recharge within 24 hours. The battery will last 1 to 2 years with normal usage. To obtain maximum battery life and prevent damage, disconnect the battery when the garage door opener is unplugged for an extended period of time.

NOTE: *Door operation may be limited until the battery is fully charged. The garage door opener lights will not turn on during battery backup mode.*

IMPORTANT INSTALLATION INSTRUCTIONS

⚠ ⚠ WARNING

To reduce the risk of SEVERE INJURY or DEATH:

1. READ AND FOLLOW ALL WARNINGS AND INSTRUCTIONS.
2. ALWAYS keep remote controls out of reach of children. NEVER permit children to operate or play with garage door control push buttons or remote controls.
3. ONLY activate garage door when it can be seen clearly, it is properly adjusted, and there are no obstructions to door travel.
4. ALWAYS keep garage door in sight until completely closed.
5. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR. NO ONE SHOULD GO UNDER A STOPPED, PARTIALLY OPENED DOOR.
6. If possible, use emergency release handle to disengage trolley ONLY when garage door is CLOSED. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly.
7. NEVER use emergency release handle unless garage doorway is clear of persons and obstructions.
8. NEVER use handle to pull garage door open or closed. If rope knot becomes untied, you could fall.
9. After ANY adjustments are made, the safety reversal system MUST be tested.
10. Safety reversal system MUST be tested every month. Garage door MUST reverse on contact with 1-1/2" high (3.8 cm) object (or a 2x4 laid flat) on the floor.
11. ALWAYS KEEP GARAGE DOOR PROPERLY BALANCED (see page 2). An improperly balanced door may NOT reverse when required and could result in SEVERE INJURY or DEATH.
12. ALL repairs to cables, spring assemblies and other hardware, ALL of which are under EXTREME tension, MUST be made by a trained door systems technician.
13. ALWAYS disconnect electric power to garage door opener BEFORE making ANY repairs or removing covers.
14. This operator system is equipped with an unattended operation feature. The door could move unexpectedly. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
15. DO NOT enable the Timer-to-Close functionality if operating either one-piece or swinging garage doors. To be enabled ONLY when operating a sectional door.

16. SAVE THESE INSTRUCTIONS.

Features

Your garage door opener is equipped with features to provide you with greater control over your garage door operation.

TIMER-TO-CLOSE

The Timer-to-Close feature automatically closes the door after a specified time period that can be adjusted using a TTC enabled door control. Prior to the door closing there will be an audible and visual alert.

MyQ™

MyQ™ technology uses a 900MHz signal to provide two-way communication between the garage door opener and MyQ™ accessories. Your garage door opener is compatible with up to 16 MyQ™ accessories.

SECURITY+®2.0 REMOTE CONTROLS AND DOOR CONTROLS

Your garage door opener is compatible with up to 2 Smart Control Panels or 4 of any other Security+®2.0 door controls. Your garage door opener has already been programmed at the factory to operate with your remote control, which changes with each use, randomly accessing over 100 billion new codes. The garage door opener is compatible with up to 24 remote controls.

THE PROTECTOR SYSTEM® (SAFETY REVERSING SENSORS)

When properly connected and aligned, the safety reversing sensors will detect an obstruction in the path of the infrared beam. If an obstruction breaks the infrared beam while the door is closing, the door will stop and reverse to full open position, and the opener lights will flash 10 times. If the door is fully open, and the safety reversing sensors are not installed, or are misaligned, the door will not close from a remote control. However, you can close the door if you hold the button on the door control or keyless entry until the door is fully closed. The safety reversing sensors do no effect the opening cycle.

ENERGY CONSERVATION

For energy efficiency the garage door opener will enter sleep mode when the door is fully closed. The sleep mode shuts the garage door opener down until activated. The sleep mode is sequenced with the garage door opener light bulb; as the light bulb turns off the sensor LEDs will turn off and whenever the garage door opener lights turn on the sensor LEDs will light. The garage door opener will not go into the sleep mode until the garage door opener has completed 5 cycles upon power up.

LIGHTS

The garage door opener light bulbs will turn on when the opener is initially plugged in; power is restored after interruption, or when the garage door opener is activated. The lights will turn off automatically after 4-1/2 minutes. An incandescent A19 light bulb (100 watt maximum) or for maximum energy efficiency a 26W (100W equivalent) compact fluorescent light (CFL) bulb may be used.

LIGHTS FEATURE

The garage door opener is equipped with an added feature; the lights will turn on when someone enters through the open garage door and the safety reversing sensor infrared beam is broken. For added control over the light bulbs on your garage door opener, see the Door Control section.

USING YOUR GARAGE DOOR OPENER

The garage door opener can be activated through a wall-mounted door control, remote control, wireless keyless entry or MyQ™ accessory.

When the door is closed and the garage door opener is activated the door will open. If the door senses an obstruction or is interrupted while opening the door will stop. When the door is in any position other than closed and the garage door opener is activated the door will close. If the garage door opener senses an obstruction while closing, the door will reverse. If the obstruction interrupts the sensor beam the garage door opener lights will blink 10 times. However, you can close the door if you hold the button on the door control or keyless entry until the door is fully closed. The safety reversing sensors do no effect the opening cycle.

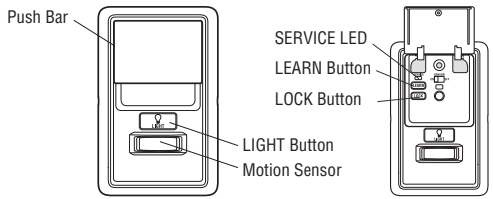
The safety reversing sensor must be connected and aligned correctly before the garage door opener will move in the down direction.

Door Control

USING THE DOOR CONTROL

SYNCHRONIZE THE DOOR CONTROL

To synchronize the door control to the garage door opener, press the push bar until the garage door opener activates (it may take up to 3 presses). Test the door control by pressing the push bar, each press of the push bar will activate the garage door opener.



PUSH BAR

Press the push bar to open or close the door.

LIGHT BUTTON

Press the LIGHT button to turn the garage door opener lights on or off. When the lights are turned on they will stay on until the LIGHT button is pressed again, or until the garage door opener is activated. Once the garage door opener is activated the lights will turn off after the specified period of time (the factory setting is 4-1/2 minutes). The LIGHT button will not control the lights when the door is in motion.

HOLD OPEN

To temporarily suspend the Timer-To-Close (TTC) feature press and release the HOLD OPEN button (the HOLD OPEN button will light solid). Press the HOLD OPEN button again to resume normal TTC operation.

The following features are accessible by lifting up the push bar:

LEARN A DEVICE

Any compatible remote controls, wireless keyless entry, or MyQ™ accessories can be programmed to the garage door opener by pressing the LEARN button, see page 32.

LOCK

The LOCK feature is designed to prevent activation of the garage door opener from remote controls while still allowing activation from the door control and keyless entry. This feature is useful for added peace of mind when the home is empty (i.e. vacation).

TIMER-TO-CLOSE (TTC) (881LM ONLY)

DO NOT enable TTC if operating a one-piece door. TTC is to be used ONLY with sectional doors. Factory default is set to off. TTC can be set to automatically close your garage door from the fully open position after a specified period of time (1, 5, 10 minute intervals). The garage door opener will beep and the lights will fl ash before closing the door. The screen on the door control can display the status of the TTC. TTC WILL NOT work if the garage door opener is operating by battery power or if the safety reversing sensors are misaligned. This feature is NOT intended to be the primary method of closing the door. **A keyless entry should be installed in the event of an accidental lock out when using this feature.**

NOTE: *Before enabling the TTC for the first time, or if you experience a power outage, cycle the garage door opener open and closed to allow the TTC to set.*

AUTOMATIC LIGHT

Motion Sensor

Factory default is set to on. This feature will automatically turn on the garage door opener lights when motion is sensed. The lights will come on for the set period of time, then shut off.
The lights will turn on when someone enters through the open garage door and the safety reversing sensor infrared beam is broken. If using the garage door opener light as a work light disable the Automatic Light Feature, otherwise the light will turn off automatically if you are beyond the range of the sensor.

MAINTENANCE ALERT (MAS)

This feature assists the homeowner in ensuring the garage door opener system stays in good working condition. The MAS feature MUST be activated at time of installation. The factory setting is off. The service LED will come on after 4500 garage door opener cycles. This indicates the garage door opener may need maintenance; contact your installation dealer. If the MAS feature is activated, the command LED (yellow) and the service LED (red) will alternate flashing back and forth.

Door Control

TIMER-TO-CLOSE (TTC) (881LM ONLY)

NOTE: *DO NOT enable TTC if operating a one-piece door. TTC is to be used ONLY sectional doors.*

Activate:

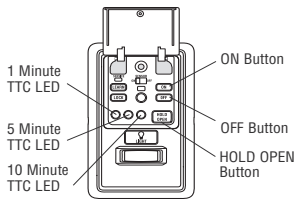
Press and hold the ON button until one of the TTC LEDs light up. Then press the ON button again to cycle through the time interval options (the corresponding TTC LED will light for each time interval). The garage door opener light bulbs will blink as confirmation.

Deactivate:

Press and hold the OFF button until all TTC LEDs turn off and a beep is heard from the motor unit.

Temporarily hold door open (suspend TTC):

Press and release the HOLD OPEN button. Press the HOLD OPEN button again to resume normal TTC operation.



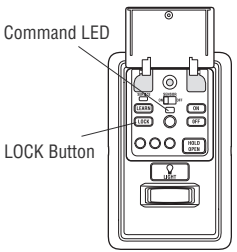
LOCK

Activate:

Press and hold the LOCK button for 2 seconds. The command LED will flash as long as the lock feature is activated and your handheld remote control will not operate your garage door at this time.

Deactivate:

Press and hold the LOCK button again for 2 seconds. The command LED will stop flashing and normal operation will resume.



LIGHT

To change the amount of time the garage door opener lights will stay on:

Press and hold the LOCK button until the garage door opener lights flash.* The time interval is indicated by the number of flashes.

Number of times garage door opener lights flash	Times the garage door opener light stays on
1	1 1/2 Minutes
2	2 1/2 Minutes
3	3 1/2 Minutes
4	4 1/2 Minutes

To cycle through the time interval repeat the step above.

LIGHT FEATURE

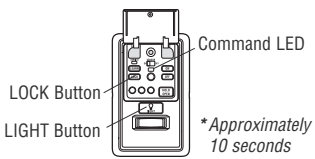
Deactivate:

Press and hold the LIGHT button until the garage door opener lights turn on, then off again.*

Activate:

Start with the garage door opener lights on. Press and hold the LIGHT button until the garage door opener lights turn off, then on again.*

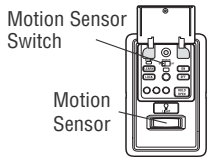
NOTE: *If the command LED is continuously blinking, the LOCK feature needs to be deactivated.*



MOTION SENSOR

Activate/Deactivate:

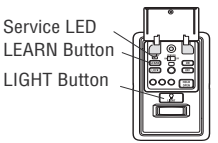
Slide the motion sensor switch ON or OFF.



MAINTENANCE ALERT SYSTEM (MAS):

Activate/Deactivate

Press and hold the LEARN button. Then press the LIGHT button. The service LED will flash the status; Active is 2 flashes and deactivated is 3 flashes.



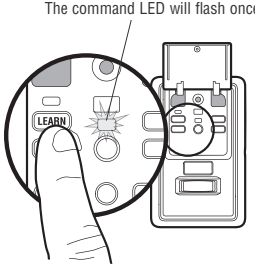
Remote Controls

Your garage door opener has been programmed at the factory to operate with your remote control. To program additional remote controls refer to the instructions provided with the additional remote controls or visit www.liftmaster.com.

TO ADD, REPROGRAM, OR CHANGE A REMOTE CONTROL/KEYLESS ENTRY PIN USING THE DOOR CONTROL

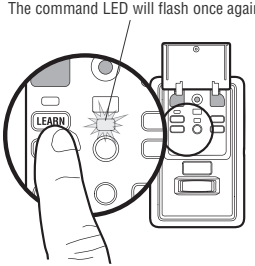
1 Press the LEARN button on the door control to enter Programming Mode.

The command LED will flash once.



2 Press the LEARN button again, the LED will flash once.

The command LED will flash once again.



3 **Remote Control:**
Press the button on the remote control that you wish to operate your garage door.
Keyless Entry:
Enter a 4-digit personal identification number (PIN) of your choice on the keyless entry keypad. Then press the ENTER button.

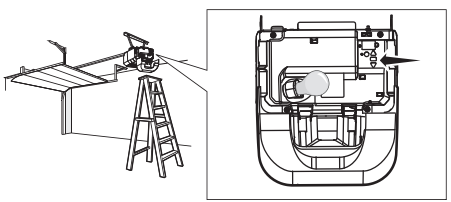
The garage door opener lights will flash (or two clicks will be heard) when the code has been programmed. Repeat the steps above for programming additional remote controls or keyless entry devices. If programming is unsuccessful, program the remote using the learn button.

OR

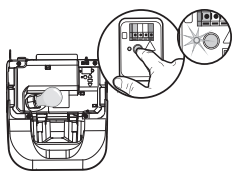
? ? ? ?
PIN

PROGRAM USING THE GARAGE DOOR OPENER

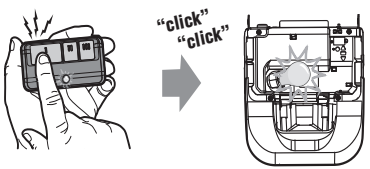
1 Locate the Learn Button.



2 Press and immediately release the Learn button. The Learn LED will glow steady for 30 seconds. Within 30 seconds...

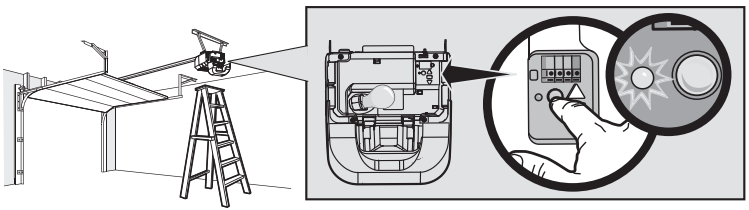


3 Press and hold the button the remote control that you wish to use.
Release the button when the garage door opener lights blink or two clicks are heard.
If programming to other products, press the button a second time to activate products.



Remote Controls

To Erase the Memory



ERASE ALL REMOTE CONTROLS AND KEYLESS ENTRIES

1. Press and hold the learn button on garage door opener until the learn LED goes out (approximately 6 seconds). All remote control and keyless entry codes are now erased.

Reprogram any accessory you wish to use.

ERASE ALL DEVICES

1. Press and hold the learn button on garage door opener until the learn LED goes out (approximately 6 seconds).
2. Immediately press and hold the learn button again until the learn LED goes out. All codes are now erased.

Reprogram any accessory you wish to use.

To Open the Door Manually

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH from a falling garage door:

- If possible, use emergency release handle to disengage trolley ONLY when garage door is CLOSED. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly.
- NEVER use emergency release handle unless garage doorway is clear of persons and obstructions.
- NEVER use handle to pull door open or closed. If rope knot becomes untied, you could fall.

DISCONNECT THE TROLLEY

1 The door should be fully closed if possible.

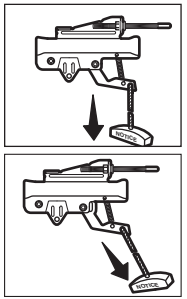
2 Pull down on the emergency release handle.

RECONNECT THE TROLLEY

The lockout feature prevents the trolley from reconnecting automatically.

1 Pull the emergency release handle down and back (toward the opener). The door can then be raised and lowered manually as often as necessary.

2 To disengage the lockout feature, pull the handle straight down. The trolley will reconnect on the next UP or DOWN operation, either manually or by using the door control or remote control.



Maintenance

EVERY MONTH

- Manually operate door. If it is unbalanced or binding, call a trained door systems technician. Check to be sure door opens and closes fully. Adjust if necessary (refer to Adjustment section). Repeat the safety reverse test. Make any necessary adjustments (refer to Adjustment section).

EVERY YEAR

- Oil door rollers, bearings and hinges. The garage door opener does not require additional lubrication. Do not grease the door tracks.

EVERY TWO TO THREE YEARS

- Use a rag to wipe away the existing grease from the garage door opener rail. Reapply a small layer of white lithium grease to the top and underside of the rail surface where the trolley slides.
- Test the battery and consider replacing the battery to ensure the garage door opener will operate during an electrical power outage.

NOTICE: To comply with FCC and/or Industry Canada (IC) rules, adjustment or modifications of this transceiver are prohibited. THERE ARE NO USER SERVICEABLE PARTS.
This device complies with Part 15 of the FCC rules and IC RSS-210. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

AVIS: Les règles de la FCC et/ou d'Industrie Canada (IC) interdisent tout ajustement ou toute modification de ce récepteur. IL N'EXISTE AUCUNE PIÈCE SUSCEPTIBLE D'ÊTRE ENTRETENUE PAR L'UTILISATEUR.
Cet appareil est conforme aux dispositions de la partie 15 du règlement de la FCC et de l'norme IC RSS-210. Son utilisation est assujettie aux deux conditoins suivantes: (1) ce dispositif ne peut causer des interférences nuisibles, et (2) ce dispositif doit accepter toute interférence recue, y compris une interférence pouvant causer un fonctionnement non souhaité.

THE REMOTE CONTROL BATTERY

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

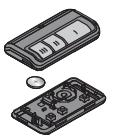
- NEVER allow small children near batteries.
- If battery is swallowed, immediately notify doctor.

To reduce risk of fire, explosion or chemical burn:

- Replace ONLY with 3V2032 coin batteries.
- DO NOT recharge, disassemble, heat above 212°F (100°C) or incinerate.

To replace the battery, pry open the case in the middle, then at each side with the visor clip. Insert replacement battery positive side up (+).

Replace the batteries with only 3V2032 coin cell batteries. Dispose of old batteries properly.



Troubleshooting

Diagnostic Chart

Your garage door opener is programmed with self-diagnostic capabilities. The UP and DOWN arrows on the garage door opener flash the diagnostic codes.

DIAGNOSTIC CODE	UP ARROW	DOWN ARROW	SYMPTOM	CAUSE	RESOLUTION
1-1	1 FLASH	1 FLASH	The garage door opener will not close and the light(s) will flash	Safety sensors are not installed, connected, or wires may be cut	Inspect sensor wires for a disconnected or cut wire(s). If the sending sensor with the amber LED is NOT lit, check the wire and connections for that sensor. If sending sensor LED is lit, check the wire connections leading to the receiving sensor (green LED). Reattach wire or replace wire (22 gauge wire) as needed. If pre-wired home, check the splices. See page 18 for installation. Close the garage door using the remote control or the door control.
1-2	1 FLASH	2 FLASHES	The garage door opener will not close and the light(s) will flash	Safety sensor wire shorted or reversed	Inspect sensor wire for incorrect wiring or a pinched wire. If the sending sensor (amber LED) is not lit, check the wire leading to and from that sensor. Check staple points. If sending sensor LED is lit, check the wire leading to the receiving sensor (green LED). Reattach wire or replace wire (22 gauge wire) as needed. If pre-wired home, check the splices. See page 18 for installation. Close the garage door using the remote control or the door control.
1-3	1 FLASH	3 FLASHES	Wall-mounted door control will not function	The wires for the door control are shorted or the door control is faulty	Inspect door control wires for a short (staple in wire), replace wire (22 gauge wire) as needed. After installing new door control wires, if door control still does not operate garage door opener, replace the door control.
1-4	1 FLASH	4 FLASHES	The garage door opener will not close the door and the light(s) flash	Misaligned or obstructed safety sensors	Realign the receiving sensor (green LED) by ensuring the LED is steady and not flickering. A flicker of the safety sensor LED indicates a misalignment. Make sure nothing is hanging or mounted on the door interrupting the sensor's path while closing. Close the garage door using the remote control or the door control.
1-5	1 FLASH	5 FLASHES	The garage door opener clicks but no movement	Bad logic board	Replace the logic board.
			The opener runs approximately 6-8" and stops and/or reverses	Communication error to travel module	Disconnect all power, remove cover, and locate the travel module. Ensure the wires for travel module are connected, if wires are connected, then replace the travel module.

Troubleshooting

DIAGNOSTIC CODE	UP ARROW	DOWN ARROW	SYMPTOM	CAUSE	RESOLUTION
3-3	3 FLASHES	3 FLASHES	The garage door opener is idle and the battery LED is constantly flashing green	Battery LED flashing Green, charging circuit stops and starts to drain causing battery charging status.	Replace the logic board.
4-1	4 FLASHES	1 FLASH	Door is closing, stops and reverses	Obstruction, binding or sticking door	If your door is binding or sticking, contact a trained door systems technician. If your door is okay, reprogram the travel, refer to page 24.
4-2	4 FLASHES	2 FLASHES	The door stops while opening for no apparent reason	Obstruction, binding or sticking door	Manually open and close the door. Check for binding or obstructions. Refer to page 2.
4-3	4 FLASHES	3 FLASHES	The door reverses for no apparent reason or after touching the floor	Obstruction, binding or sticking door	If your door is binding or sticking, contact a trained door systems technician. If your door is okay, reprogram the travel, refer to page 24.
4-4	4 FLASHES	4 FLASHES	My door reverses for no apparent reason or after touching the floor	Obstruction, binding or sticking door	Manually open and close the door. Check for binding or obstructions. Refer to page 2 .
4-5	4 FLASHES	5 FLASHES	The opener runs approximately 6-8" and stops and/or reverses	Communication error to travel module	Disconnect all power, remove cover, and locate the travel module. Ensure the wires for travel module are connected, if wires are connected, then replace the travel module.
4-6	4 FLASHES	6 FLASHES	The door reverses for no apparent reason while traveling down	Safety sensors were temporarily obstructed or misaligned	Review Diagnostic Codes 1-1, 1-2, and 1-4 correct as necessary. If problem persists remove the sensors from the brackets and realign the sensors ensuring the LED's are steady and not flickering. Check for a temporary obstruction such as a rope attached to the door. Excessive vibration on the door rails may cause the sensors to be misaligned while the door is closing, secure rails or re-install the sensor brackets to the wall or floor, refer to page 18.

These are additional troubleshooting issues that will not show up in the diagnostic codes:

My garage door opener beeps every 30 seconds:

Refer to the *Battery Status LED section on page 27.*

My remote control wil not activate the garage door:

- Verify the lock feature is not activated on the door control.
- Reprogram the remote control.
- If the remote control will still not activate the door check the diagnostic codes to ensure the garage door opener is working properly.

My garage door opener light(s) will not turn off when the door is open:

The garage door opener is equipped with a feature that turns the light on when the safety reversing sensors have been obstructed or when the motion sensor on the door control detects movement in the garage. These features can be disabled using the door control, refer to the *Door Control* section.

My neighbor's remote control opens my garage door:

Erase the memory from your garage door opener and reprogram the remote control(s).

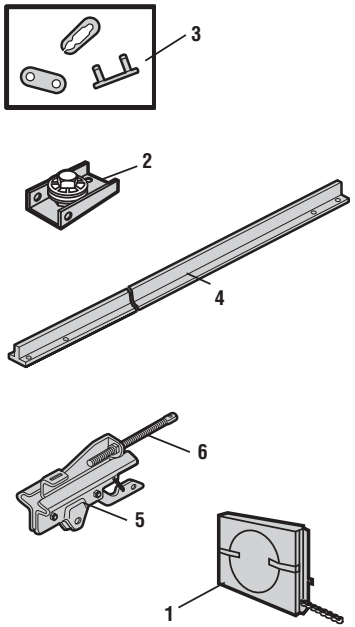
The LEDs on the door conrol blink:

If you have an Smart Control Panel installed and the TTC is set to a custom time, press the ON button on the Premium Motion -Detecting Control Panel to set the time properly.

Repair Parts

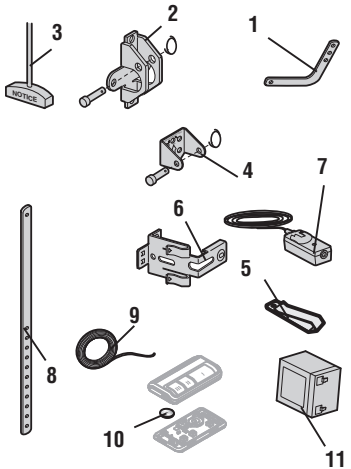
Rail Assembly Parts

	DESCRIPTION	PART NUMBER
1	Chain - for 7 foot door	41D3484
	Chain - for 8 foot door	41D3483
	Chain - for 10 foot door	41D3485
2	Chain Pulley Bracket	41A4813
3	Master Link	4A1008
4	One-Piece Rail 7 feet (2.1 m)	1707LM
	One-Piece Rail 8 feet (2.4 m)	1708LM
	One-Piece Rail 10 feet (3 m)	1710LM
5	Trolley Assembly	41A3489
6	Trolley Threaded Shaft	109B48
	NOT SHOWN	
	Owner's Manual	114A4246



Installation Parts

	DESCRIPTION	PART NUMBER
1	Curved Door Arm	178B35
2	Door Bracket with Clevis Pin and Fastener	41A5047-1
3	Emergency Release Rope and Handle	41A2828
4	Header Bracket with Clevis Pin and Fastener	41A5047-2
5	Remote Control Visor Clip	29B137
6	Safety Sensor Bracket	41A5266-1
7	Safety Sensor Kit Receiving and sending sensors with 3 feet (.9 m) 2-conductor wire	41A5034
8	Straight Door Arm	178B34
9	White and Red/White Wire	41C5141-1
10	3V2032 Lithium Battery	10A20
11	Battery Backup	485LM



Contact Information

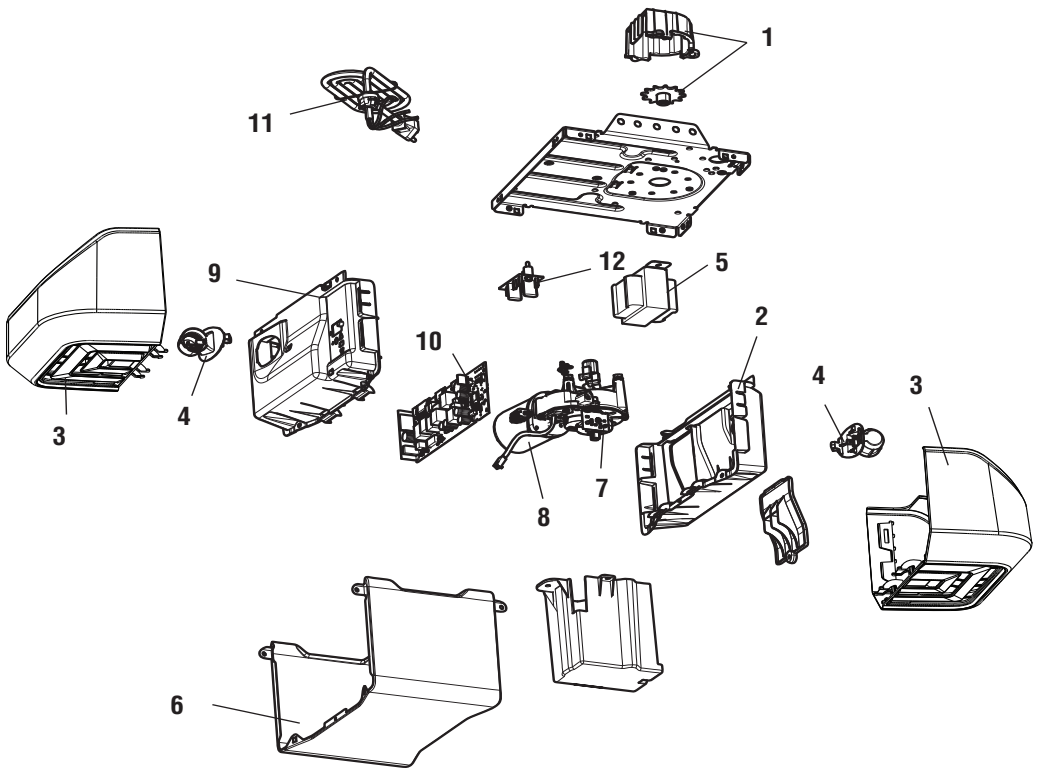
Address repair parts order to:
The Chamberlain Group, Inc.
6050 S. Country Club Rd.
Tucson, AZ 85706

For installation and service information call:
1-800-528-9131
Or visit us online at:
www.liftmaster.com

Before calling, please have the model number of the garage door opener. If you are calling about a Troubleshooting issue, it is recommended that you have access to your garage door opener while calling. If you are ordering a repair part please have the following information: part number, part name, and model number.

Repair Parts

Garage Door Opener Parts



	DESCRIPTION	PART NUMBER
1	Sprocket and Sprocket Cover	41B5348-2
2	End Panel with labels, battery cover and light socket	41D217
3	Light Lens	41A7562
4	Light Socket	41C279
5	Transformer	41A7635
6	Cover	41A7619-1
7	Motor and Travel Module	41D1739-1
8	Travel Module	41A7114-7
9	End Panel with all labels and light socket	41D216
10	Receiver Logic Board	45DCT
11	Line Cord	41B135-1
12	Filter Board with Screws	41B7611
NOT SHOWN		
	Wire Harness with Screws	41B7418
	Battery Backup	485LM

Accessories

828LM **MyQ™ Internet Gateway:**

Internet enabled accessory which connects to the computer and allows you to monitor and control garage door openers and lighting accessories powered by MyQ™ home activation technology.

823LM **Remote Light Switch:**

Automatically control your lights using your garage door opener, a Security+®2.0 remote control or a MyQ™ Internet Gateway. Simply replaces your current wired wall switch.

825LM **Remote Light Control:**

Automatically control your lights using your garage door opener, a Security+®2.0 remote control or a MyQ™ Internet Gateway.

829LM **Garage Door Monitor:**

Monitor open/closed status for up to 4 MyQ™ compatible garage door openers and close them from anywhere in the home.

990LM **System Surge Protector:**

The Garage Door Opener Surge Protector is designed to protect LiftMaster® garage door openers against damage from lightning and power surges. Easy to install.

877MAX **SECURITY+®2.0 Keyless Entry:**

For use outside of the home to enable access to the garage using a 4-digit PIN. Works with ALL LiftMaster® openers from 1993-present.

895MAX **SECURITY+®2.0 3-Button Remote Control:**

Compatible with LiftMaster® garage door openers manufactured since 1993. Includes visor clip.

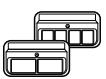
893MAX **SECURITY+®2.0 3-Button Remote Control:**

Compatible with LiftMaster® garage door openers manufactured since 1993. Includes visor clip.

890MAX **SECURITY+®2.0 3-Button Mini Remote Control:**

Compatible with LiftMaster® garage door openers manufactured since 1993.

892LT/894LT **2 & 4 Button Learning Remote Controls:**



Works with any LiftMaster® Garage Door opener manufactured since 1997. Also compatible with Encrypted DIP for gate applications.

880LM **SECURITY+®2.0 Smart Control Panel®:**

Displays temperature, time and system diagnostics; includes a push bar to open and close the door and a lock feature for extra security.

881LM **SECURITY+®2.0 Motion Detecting Control Panel with Timer-To-Close Control:**

Multi-function door control with motion sensor that automatically turns opener lights on when it detects a person entering the garage. Sensor can be easily deactivated when desired.

885LM **SECURITY+®2.0 Wireless Door Control:**

Push bar, light feature and auxiliary button. Includes battery.

886LM **SECURITY+®2.0 Motion Detecting Control Panel:**

Multi-function door control with motion sensor that automatically turns opener lights on when it detects a person entering the garage. Sensor can be easily deactivated when desired.

Warranty

LIFTMASTER ONE YEAR LIMITED WARRANTY

LIFETIME MOTOR LIMITED WARRANTY

ONE YEAR LIMITED WARRANTY FOR MODEL 485LM BATTERY BACKUP

The Chamberlain Group, Inc. ("Seller") warrants to the first retail purchaser of this product, for the residence in which this product is originally installed, that it is free from defect in materials and/or workmanship for a period of 12 full months from the date of purchase and that the motor and belt are free from defect in materials and/or workmanship for a period of the lifetime of the product. The proper operation of this product is dependent on your compliance with the instructions regarding installation, operation, and maintenance and testing. Failure to comply strictly with those instructions will void this limited warranty in its entirety.

If, during the limited warranty period, this product appears to contain a defect covered by this limited warranty, call 1-800-528-9131; toll free, before dismantling this product. Then send this product, pre-paid and insured, to our service center for warranty repair. You will be advised of shipping instructions when you call. Please include a brief description of the problem and a dated proof-of-purchase receipt with any product returned for warranty repair. Products returned to Seller for warranty repair, which upon receipt by Seller are confirmed to be defective and covered by this limited warranty, will be repaired or replaced (at Seller's sole option) at no cost to you and returned pre-paid. Defective parts will be repaired or replaced with new or factory-rebuilt parts at Seller's sole option.

ALL IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE ONE YEAR LIMITED WARRANTY PERIOD SET FORTH ABOVE EXCEPT THE IMPLIED WARRANTIES WITH RESPECT TO THE BATTERY, WHICH IS LIMITED IN DURATION TO ONE YEAR, MOTOR , WHICH IS LIMITED IN DURATION TO THE LIFETIME LIMITED WARRANTY PERIOD FOR THE MOTOR , AND NO IMPLIED WARRANTIES WILL EXIST OR APPLY AFTER SUCH PERIOD. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. THIS LIMITED WARRANTY DOES NOT COVER NON-DEFECT DAMAGE, DAMAGE CAUSED BY IMPROPER INSTALLATION, OPERATION OR CARE (INCLUDING, BUT NOT LIMITED TO ABUSE, MISUSE, FAILURE TO PROVIDE REASONABLE AND NECESSARY MAINTENANCE, UNAUTHORIZED REPAIRS OR ANY ALTERATIONS TO THIS PRODUCT), LABOR CHARGES FOR REINSTALLING A REPAIRED OR REPLACED UNIT, REPLACEMENT OF BATTERIES IN REMOTE CONTROL TRANSMITTERS AND LIGHT BULBS OR UNITS INSTALLED FOR NON-RESIDENTIAL USE.

THIS LIMITED WARRANTY DOES NOT COVER ANY PROBLEMS WITH, OR RELATING TO, THE GARAGE DOOR OR GARAGE DOOR HARDWARE, INCLUDING BUT NOT LIMITED TO THE DOOR SPRINGS, DOOR ROLLERS, DOOR ALIGNMENT OR HINGES. THIS LIMITED WARRANTY ALSO DOES NOT COVER ANY PROBLEMS CAUSED BY INTERFERENCE. ANY SERVICE CALL THAT DETERMINES THE PROBLEM HAS BEEN CAUSED BY ANY OF THESE ITEMS COULD RESULT IN A FEE TO YOU. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES ARISING IN CONNECTION WITH USE, OR INABILITY TO USE, THIS PRODUCT. IN NO EVENT SHALL SELLER'S LIABILITY FOR BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR STRICT LIABILITY EXCEED THE COST OF THE PRODUCT COVERED HEREBY. NO PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS PRODUCT.

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