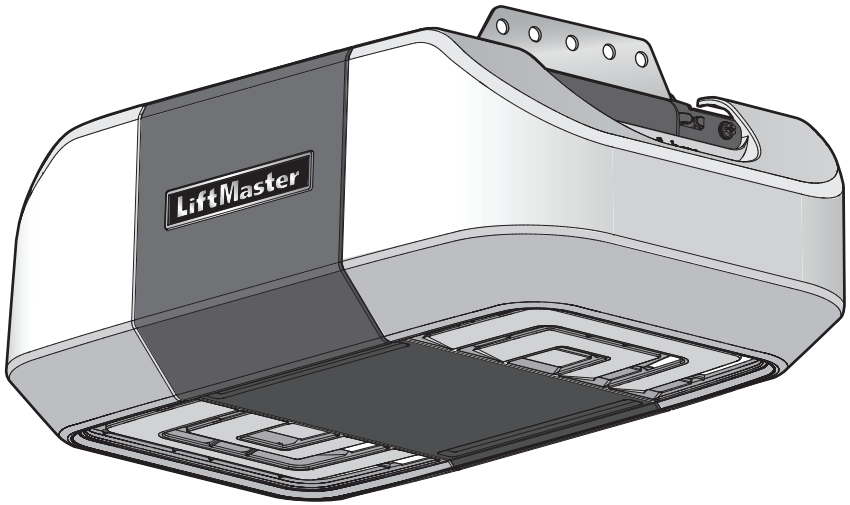
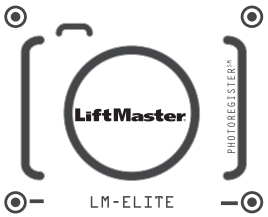
Wi-Fi® Garage Door Opener
Chain Drive Model 8587W

FOR RESIDENTIAL USE ONLY



- Please read this manual and the safety materials carefully!
- 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.
- This garage door opener is ONLY compatible with MyQ® and Security+ 2.0® accessories.
- DO NOT install on a one-piece door if using devices or features providing unattended close. Unattended devices and features are to be used ONLY with sectional doors.
- Attach warning labels to the location indicated on label.

Register your garage door opener to receive updates and offers from LiftMaster



1. **Take a photo** of the camera icon including the points (⊙).
2. **Send it in** by texting the photo to 71403 (US) **or visit** www.liftmaster.photo (Global)

LiftMaster
845 Larch Avenue
Elmhurst, Illinois 60126-1196

LiftMaster®

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Preparation

MyQ® Serial Number

Write down the following information for future reference:

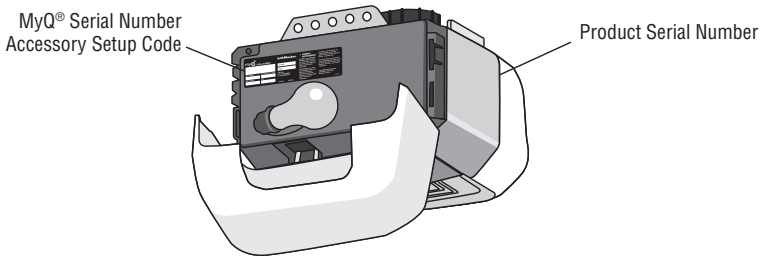
MyQ® Serial Number:

Accessory Setup Code:

Product Serial Number:

Date of Purchase:

/ /



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

Unattended Operation

The Timer-to-Close (TTC) feature, the MyQ® Smartphone Control app, and MyQ® Garage Door and Gate Monitor are examples of unattended close and are to be used ONLY with sectional doors. Any device or feature that allows the door to close without being in the line of sight of the door is considered unattended close. The Timer-to-Close (TTC) feature, the MyQ® Smartphone Control, and any other MyQ® devices are to be used ONLY with sectional doors.

Preparation

Test the Wi-Fi Signal Strength

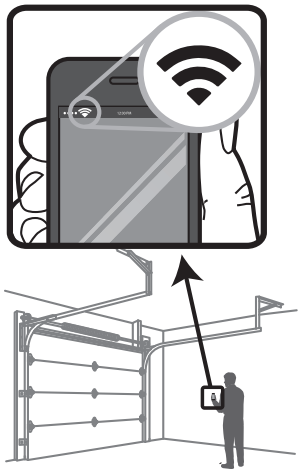
Before You Begin

You will need:

- Wi-Fi enabled smartphone, tablet or laptop
- Broadband Internet Connection
- Wi-Fi signal in the garage **(2.4Ghz required)**
- Password for your home network (router's main account, not guest network)

Test the Wi-Fi Signal Strength

Make sure your mobile device is connected to your Wi-Fi network. Hold your mobile device in the place where your garage door opener will be installed and check the Wi-Fi signal strength.



Check Signal Strength. If you see:

Wi-Fi signal is strong.
The garage door opener will connect to your Wi-Fi network.

Wi-Fi signal is weak.
The garage door opener may connect to your Wi-Fi network. If not, try one of the options below to improve the Wi-Fi signal.

No Wi-Fi signal.
The garage door opener will not be able to connect to your Wi-Fi network. Try one of the options below to improve the Wi-Fi signal:

- Move your router closer to the garage door opener to minimize interference from walls and other objects
- Buy a Wi-Fi range extender

For compatible router specifications and help, visit WiFiHelp.LiftMaster.com.
See page 30 to connect the garage door opener to a mobile device.

Check the Door

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

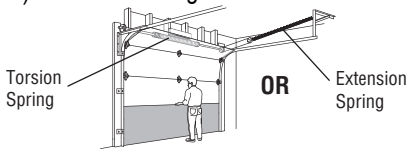
- ALWAYS call a trained door systems technician if garage door binds, sticks, or is out of balance. An unbalanced garage door may NOT reverse when required.
- NEVER try to loosen, move or adjust garage door, door springs, cables, pulleys, brackets or their hardware, ALL of which are under EXTREME tension.
- Disable ALL locks and remove ALL ropes connected to garage door BEFORE installation and operating garage door opener to avoid entanglement.
- DO NOT install on a one-piece door if using devices or features providing unattended close. Unattended devices and features are to be used ONLY with sectional doors.

CAUTION

To prevent damage to garage door and opener:

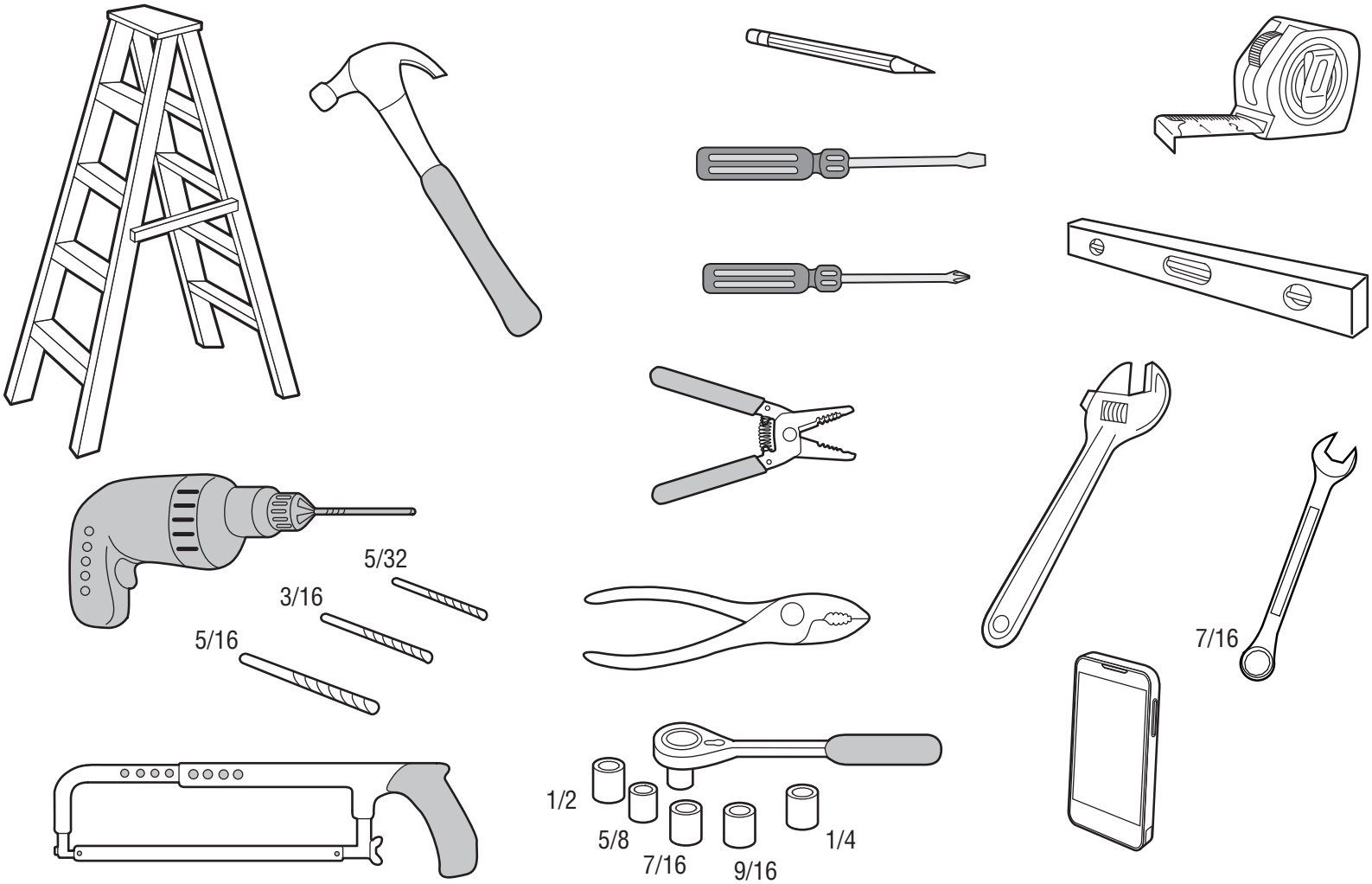
- ALWAYS disable locks BEFORE installing and operating the opener.
- ONLY operate garage door opener at 120V, 60 Hz to avoid malfunction and damage.

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 page 10.



Preparation

Tools Needed



Preparation

Carton Inventory

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. Chain spreader
K. Chassis support bracket
L. Chain
M. Door control (Smart Control Panel® 880LMW)
N. White and red/white wire
O. The Protector System®
   Safety reversing sensors with white and white/black wire attached: Sending senor (1), receiving sensor (1), and safety sensor brackets (2)
P. Safety labels and literature
Q. Rail grease
R. Remote control (893MAX)

Hardware

Assembly

Chassis Support Bracket Hardware
Screw #8-32 x 3/8" (2)
Hex Bolts 1/4"-20 x 5/8" (2)
Lock Washers (2)
Washered Bolt 5/16"-18 x 1/2" (2)

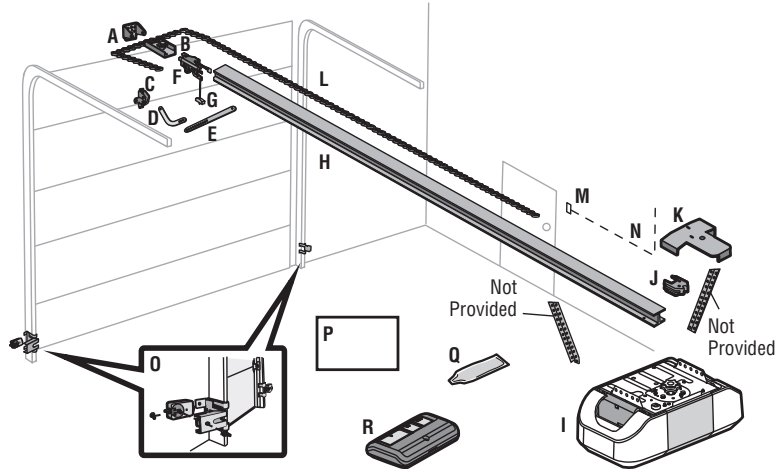
Installation
Hex Bolt 5/16"-18 x 7/8" (4)
Lag Screw 5/16"-9 x 1-5/8" (2)
Lag Screw 5/16"-18 x 1-5/8" (2)
Clevis Pin 5/16" x 2-3/4" (1)
Clevis Pin 5/16" x 1-1/4" (1)
Clevis Pin 5/16" x 1" (1)
Nut 5/16"-18 (4)
Lock Washer 5/16"-16 (4)

Door Control Hardware
Screw 6AB x 1-1/4" (2)
Screw 6-32 x 1" (2)
Drywall Anchors (2)
Insulated Staples

Chain Spreader Hardware
Screw #8-32 x 3/8" (2)

Rail Hardware
Washered Bolts and Lock Washer [mounted in the top of the garage door opener

Self-Threading Screw 1/4"-14 x 5/8" (2)
Ring Fastener (3)
Carriage Bolt 1/4"-20 x 1/2" (2)
Wing Nut 1/4"-20 (2)
Hex Bolt 1/4"-20 x 5/8" (2)
Lock Nut 1/4"-20 (2)
Lag Screw 1/4" x 1-1/2" (4)



Assembly

1 Attach the Rail to the Garage Door Opener

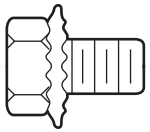
CAUTION

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. Remove bolt and lock nut from the top of the garage door opener.
2. Align the rail and the styrofoam over the sprocket. Cut the tape from the rail, chain, and styrofoam.
3. Fasten the rail with the previously removed washered bolt and lock nut.
4. Position the chain around the garage door opener sprocket.
5. Attach the chain spreader to the garage door opener with screws.
6. Guide the chain around the selected groove in the chain spreader, to engage either the 8-tooth or 6-tooth sprocket.
   NOTE: *The 6-tooth sprocket is for use with Carriage House Doors and the 8-tooth sprocket is for use with regular doors.*

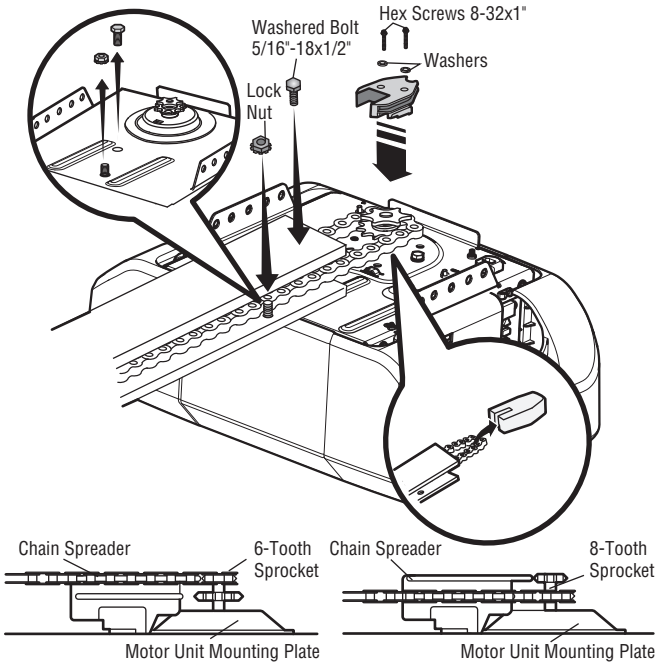
HARDWARE



Washered Bolt
5/16"-18x1/2"
(Mounted in the garage door opener)



Lock Nut
(Mounted in the garage door opener)



Assembly

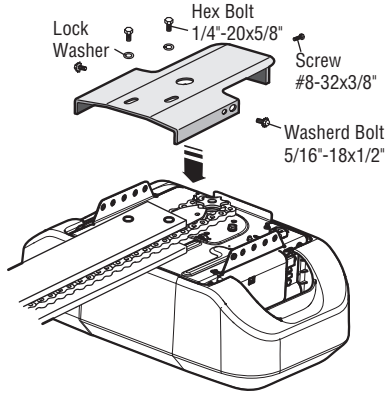
2 Attach the Chassis Support Bracket

⚠ 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.

1. Position the chassis support bracket on the unit.
2. Attach the bracket to the rail with 1/4"-20x5/8" hex bolts and lock washers. **Do not overtighten**.
3. Attach the bracket to the opener by inserting a 5/16"-18x1/2" washered screw through a hole in each side flange and a matching hole in the bracket. Complete the connection by inserting the #8-32x3/8" screw through the back flange and the hole in rail support.

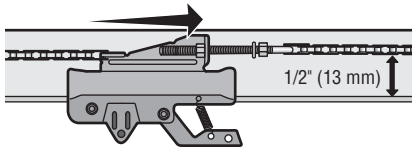


3 Tighten the Chain

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



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 flat) on the floor.
13. To avoid SERIOUS PERSONAL INJURY or DEATH from electrocution, disconnect ALL electric power BEFORE performing ANY service or maintenance.
14. DO NOT install on a one-piece door if using devices or features providing unattended close. Unattended devices and features are to be used ONLY with sectional doors.

Installation

1 Determine the Header Bracket Location

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

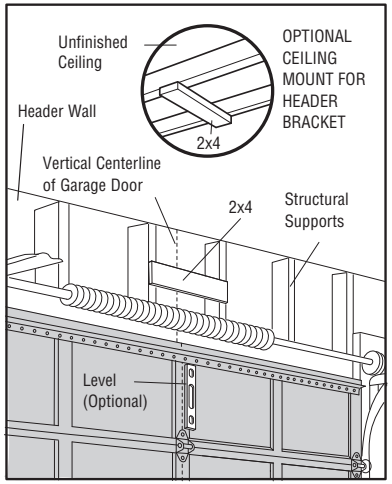
- Header bracket MUST be RIGIDLY fastened to structural support on header wall or ceiling, otherwise garage door might NOT reverse when required. DO NOT install header bracket over drywall.
- Concrete anchors MUST be used if mounting header bracket or 2x4 into masonry.
- NEVER try to loosen, move or 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.

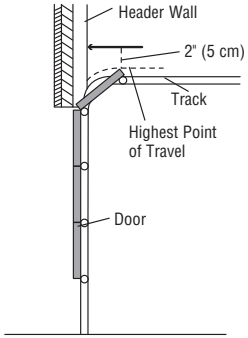
Close the door and mark the inside vertical centerline of the garage door.

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.

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 11 for ceiling installation.*





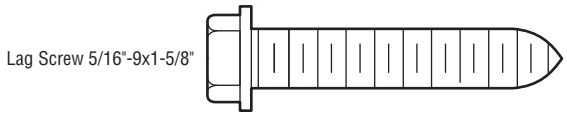
Sectional door with curved track

Installation

2 Install the Header Bracket

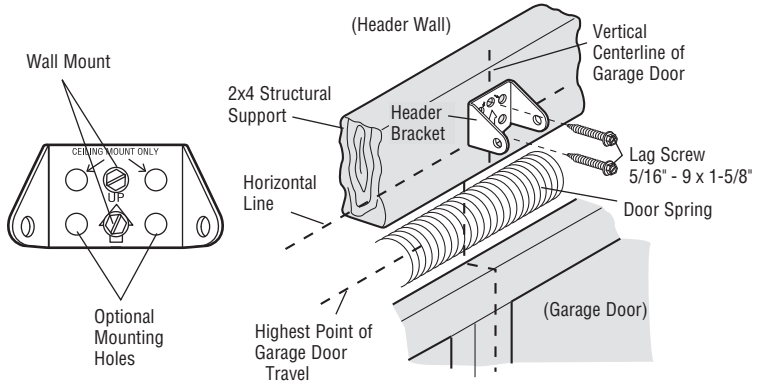
You can attach the header bracket either to the wall above the garage door, or to the ceiling. Follow the instructions which will work best for your particular requirements. **Do not install the header bracket over drywall. If installing into masonry, use concrete anchors (not provided).**

HARDWARE



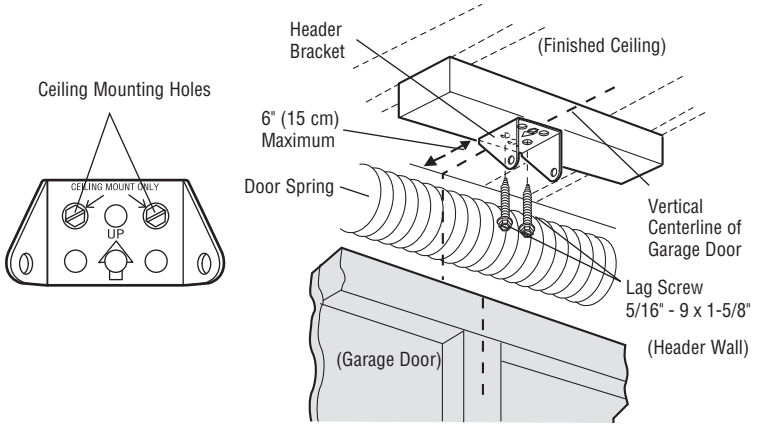
OPTION A WALL INSTALLATION

1. 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. 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 lag screws.



OPTION B CEILING INSTALLATION

1. Extend the vertical centerline onto the ceiling as shown.
2. Center the bracket on the vertical mark, no more than 6" (15 cm) from the wall. Make sure the arrow is pointing toward the wall. The bracket can be mounted flush against the ceiling when clearance is minimal.
3. Mark the side holes. Drill 3/16" pilot holes and fasten bracket securely to a structural support with lag screws.

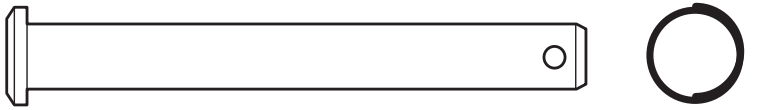


3 Attach the Rail to the Header Bracket

1. Align the rail with the header bracket. Insert the clevis pin through the holes in the header bracket and rail. Secure with the ring fastener.

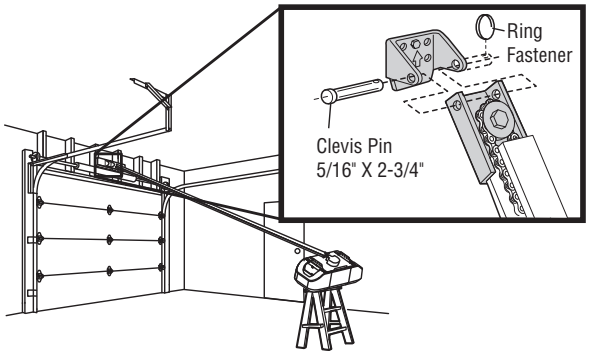
NOTE: *Use the packing material as a protective base for the garage door opener.*

HARDWARE



Clevis Pin 5/16" x 2-3/4"

Ring Fastener



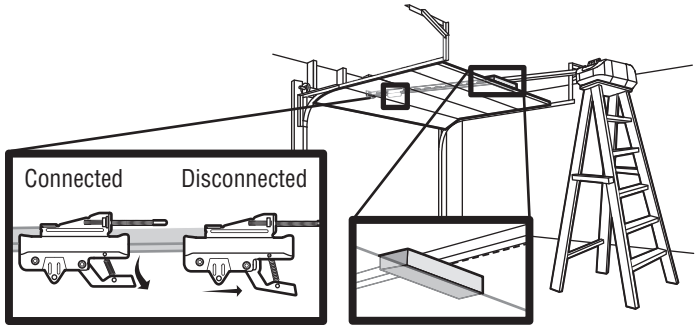
4 Position the Garage Door Opener

CAUTION

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

1. Remove the packing material and lift the garage door opener onto a ladder.
2. Fully open the door and place a 2x4 (laid flat) under the rail.

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. 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.



5 Hang the Garage Door Opener

⚠ WARNING

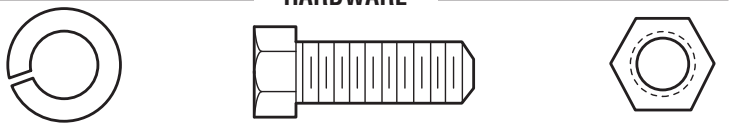
To avoid possible SERIOUS INJURY from a falling garage door opener, fasten it SECURELY to structural supports of the garage. Concrete anchors MUST be used if installing ANY brackets into masonry.

Hanging your garage door opener will vary depending on your garage. Two representative installations are shown. Yours may be different. Hanging brackets should be angled (Figure 1) to provide rigid support. On finished ceilings (Figure 2), attach a sturdy metal bracket to structural supports before installing the opener. This bracket and fastening hardware are not provided.

1. Measure the distance from each side of the motor unit to the structural support.
2. Cut both pieces of the hanging bracket to required lengths.
3. Drill 3/16" pilot holes in the structural supports.
4. Attach one end of each bracket to a support with 5/16"-18x1-7/8" lag screws (not provided).
5. Fasten the opener to the hanging brackets with 5/16"-18x7/8" hex bolts, lock washers and nuts.
6. Check to make sure the rail is centered over the door (or in line with the header bracket if the bracket is not centered above the door).
7. Remove the 2x4. Operate the door manually. If the door hits the rail, raise the header bracket.

NOTE: *DO NOT connect power to opener at this time.*

HARDWARE



Lock Washer 5/16"-16 | Hex Bolt 5/16"-18x7/8" | Nut 5/16"-18

FIGURE 1

Unfinished Ceiling

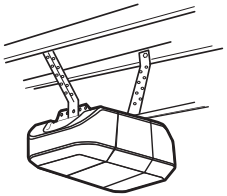


FIGURE 2

Finished Ceiling

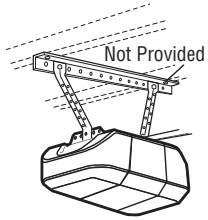
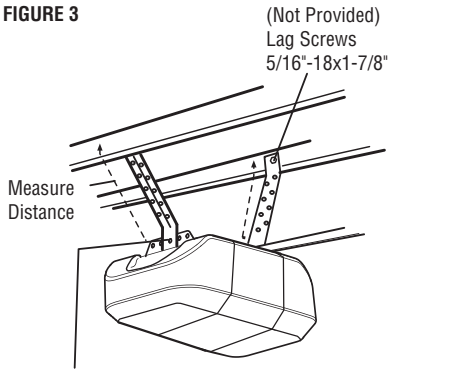


FIGURE 3



Hex Bolt 5/16"-18x7/8", Lock Washer 5/16"-16, Nut 5/16"-18

6 Install the Light Bulbs

CAUTION

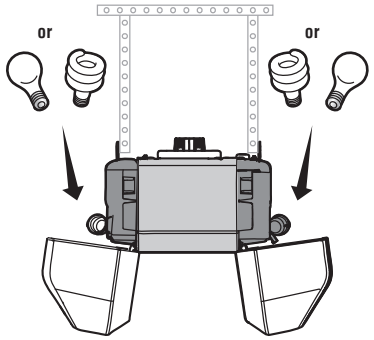
To prevent possible OVERHEATING of the end panel or light socket:

- Use ONLY A19 incandescent (100W maximum) or compact fluorescent (26W maximum) 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.

1. Pull on the top center of the light lens and rotate the light lens down.
2. Insert an A19 incandescent (100W maximum) or compact fluorescent (26W, 100W equivalent) light bulb into the light socket.

NOTE: *DO NOT use halogen, short neck, or specialty light bulbs as these may overheat the end panel or light socket. DO NOT use LED bulbs as they may reduce the range or performance of your remote control(s).*

3. Rotate the lens up to close.



7 Attach the Emergency Release Rope and Handle

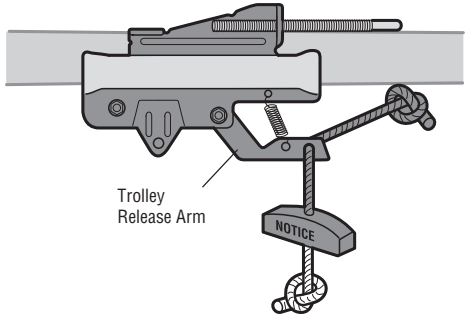
⚠ WARNING

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.

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.
2. Insert the other end of the emergency release rope through the hole in the trolley release arm. Mount the emergency release within reach, but at least 6 feet (1.83 m) above the floor, avoiding contact with vehicles to prevent accidental release and secure with a knot.

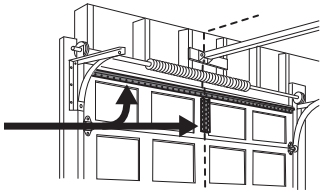
NOTE: *If it is necessary to cut the emergency release rope, seal the cut end with a match or lighter to prevent unraveling. Ensure the emergency release rope and handle are above the top of all vehicles to avoid entanglement.*



8 Install the Door Bracket

CAUTION

Fiberglass, aluminum or lightweight steel garage doors **WILL REQUIRE** reinforcement BEFORE installation of door bracket. Contact the garage door manufacturer or installing dealer for opener reinforcement instructions or reinforcement kit. Failure to reinforce the top section as required according to the door manufacturer may void the door warranty.



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. Contact the garage door manufacturer or installing dealer for opener reinforcement instructions or 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.*

SECTIONAL DOORS

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.
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.
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. (Figure 1)
- Alternately, use two 5/16" bolts, lock washers and nuts (not provided). (Figure 2)

Metal, insulated or light weight factory reinforced doors:

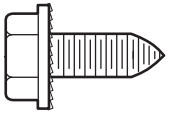
- Drill 3/16" fastening holes. Secure the door bracket using the self-threading screws. (Figure 3)

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"-18x2" carriage bolts, lock washers and nuts (not provided). (Figure 4)

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

HARDWARE



Self-Threading Screw
1/4"-14x5/8"

FIGURE 1

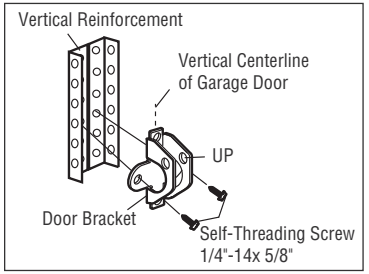


FIGURE 2

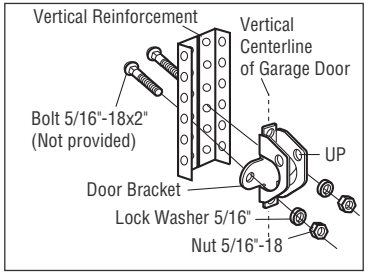


FIGURE 3

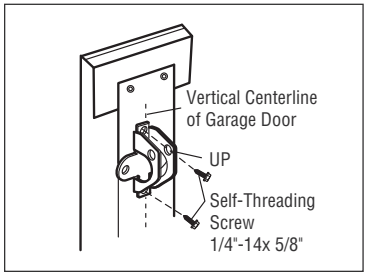
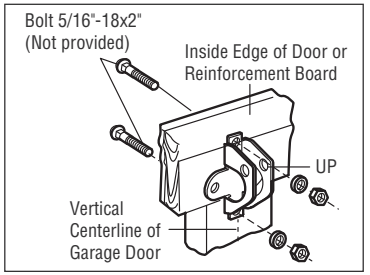


FIGURE 4



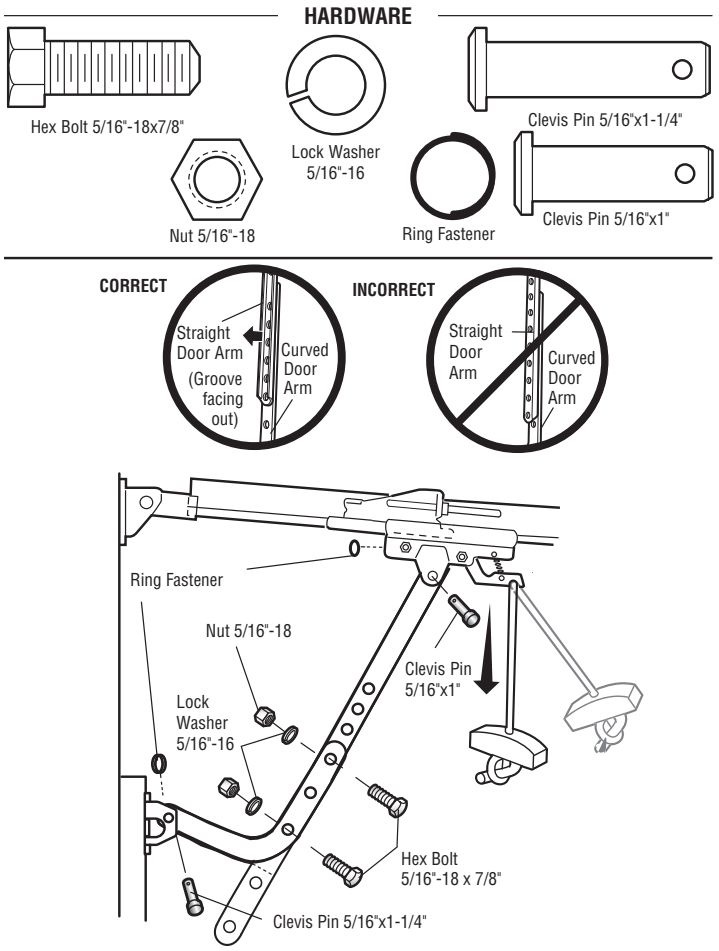
9 Connect the Door Arm to the Trolley

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

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).
2. Attach the straight door arm to the outer trolley using the clevis pin. Attach with the ring fastener.
3. Attach the curved door arm to the door bracket using the clevis pin. Attach with the ring fastener.
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, nuts and lock washers.

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, nuts and lock washers.*

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 door control ONLY to 12 VOLT low voltage wires.

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

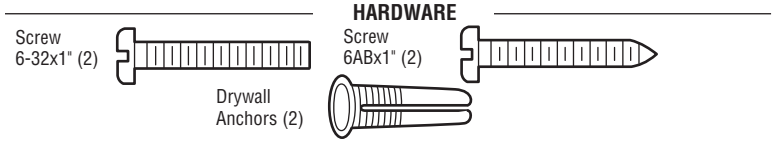
- Install door control within sight of garage door, out of reach of children at a minimum height of 5 feet (1.5 m), and away from ALL moving parts of door.
- NEVER permit children to operate or play with door control push buttons or remote control transmitters.
- Activate door ONLY when it can be seen 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

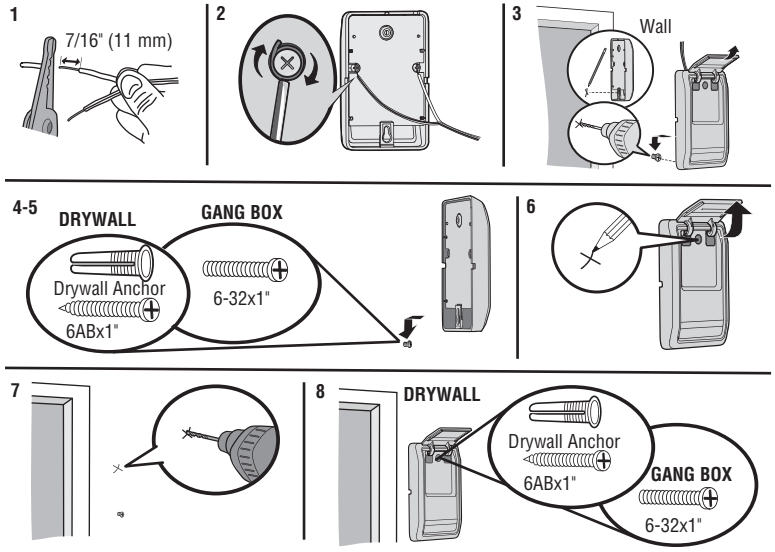
Compatible with MyQ® and Security+ 2.0® accessories, see page 38. Your garage door opener is compatible with up to 2 Smart Control Panels or 4 of any other Security+ 2.0® door controls. ***NOTE:*** *Older LiftMaster door controls and third party products are not compatible.*

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

NOTE: *Your product may look different than the illustrations.*



1. Strip 7/16 inch (11 mm) of insulation from one end of the wire and separate the wires.
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.
3. Mark the location of the bottom mounting hole and drill a 5/32 inch (4 mm) hole.
4. Install the bottom screw, allowing 1/8 inch (3 mm) to protrude from the wall.
5. Position the bottom hole of the door control over the screw and slide down into place.
6. Lift the push bar up and mark the top hole.
7. Remove the door control from the wall and drill a 5/32 inch (4 mm) hole for the top screw.
8. Position the bottom hole of the door control over the screw and slide down into place. Attach the top screw.



Install the Door Control

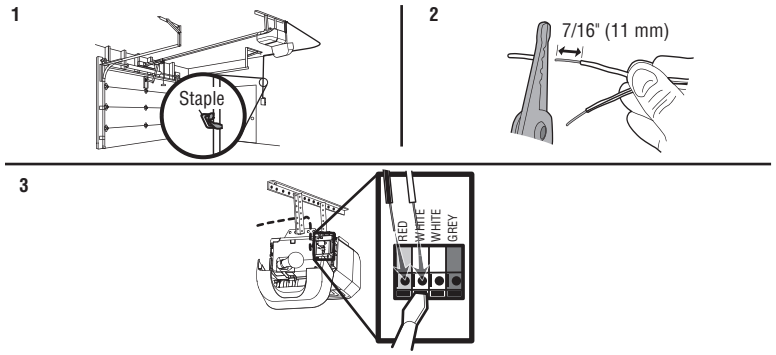
2 Wire the door control to the garage door opener

HARDWARE

Insulated Staple
(Not shown)

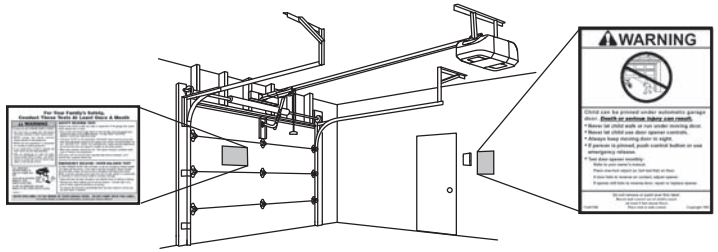
PRE-WIRED INSTALLATIONS: When wiring the door control to the garage door opener make sure you use the same wires that are connected to the door control.

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



3 Attach the warning labels

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

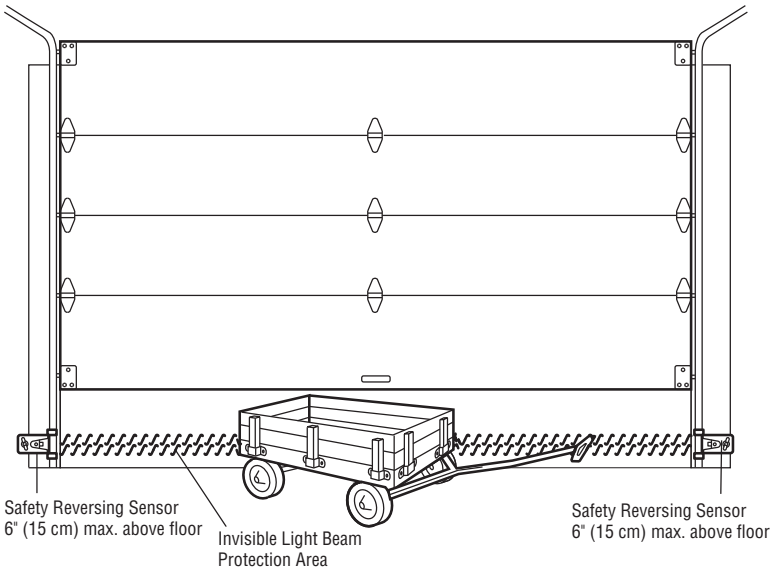
The safety reversing sensors must be connected and aligned correctly before the garage door opener will move in the down direction.

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

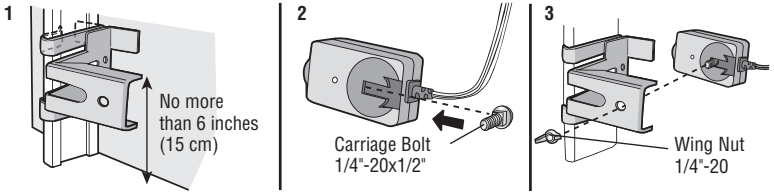
HARDWARE



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.

OPTION A DOOR TRACK INSTALLATION

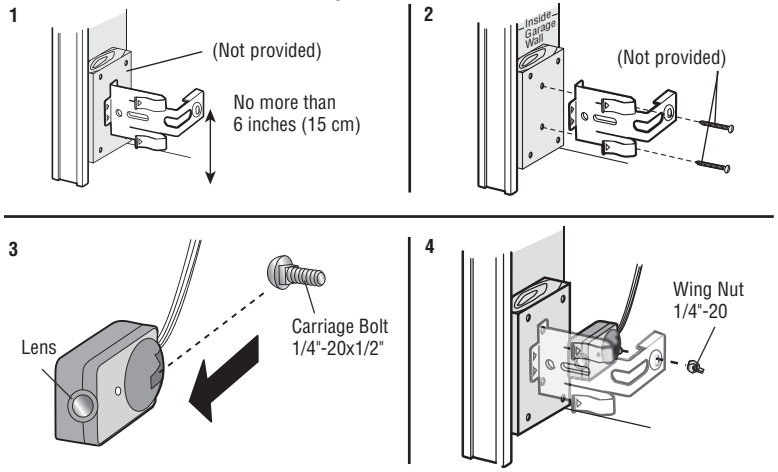
1. Slide the curved arms of the sensor bracket around the edge of the door track. Snap into place so that the sensor bracket is flush against the track.
2. Slide the carriage bolt into the slot on each sensor.
3. Insert the bolt through the hole in the sensor bracket and attach with the wing nut. The 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. 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.
2. Drill 3/16 inch pilot holes for each sensor bracket and attach the sensor brackets to the wall using lag screws (not provided).
3. Slide the carriage bolt into the slot on each sensor.
4. Insert the bolt through the hole in the sensor bracket and attach with the wing nut. The lenses on both sensors should point toward each other. Make sure the lens is not obstructed by the sensor bracket.

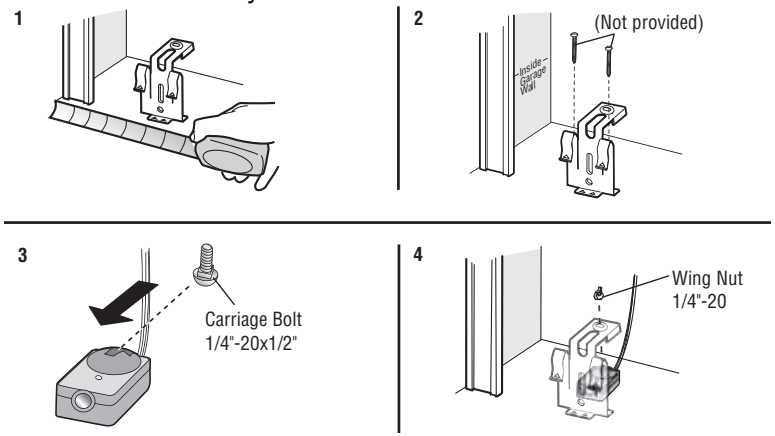


Install the Protector System®

OPTION C FLOOR INSTALLATION

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

1. Carefully measure the position of both sensor brackets so they will be the same distance from the wall and unobstructed.
2. Attach the sensor brackets to the floor using concrete anchors (not provided).
3. Slide the carriage bolt into the slot on each sensor.
4. Insert the bolt through the hole in the sensor bracket and attach with the wing nut. 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

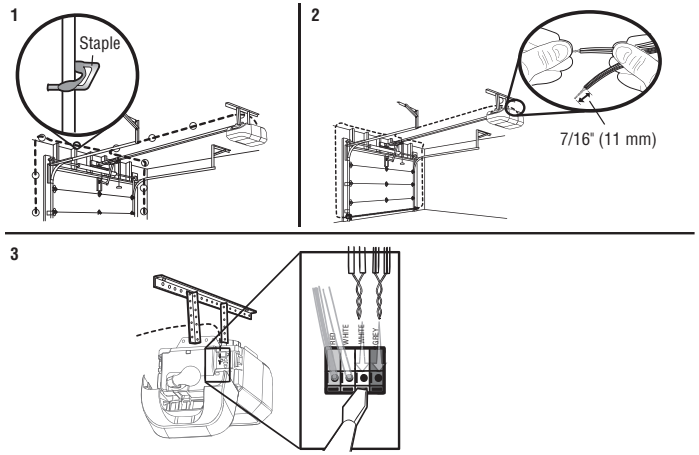
PRE-WIRED INSTALLATIONS: If your garage already has wires installed for the safety reversing sensors, see page 22.

HARDWARE

Insulated Staple
(Not shown)

OPTION A INSTALLATION WITHOUT PRE-WIRING

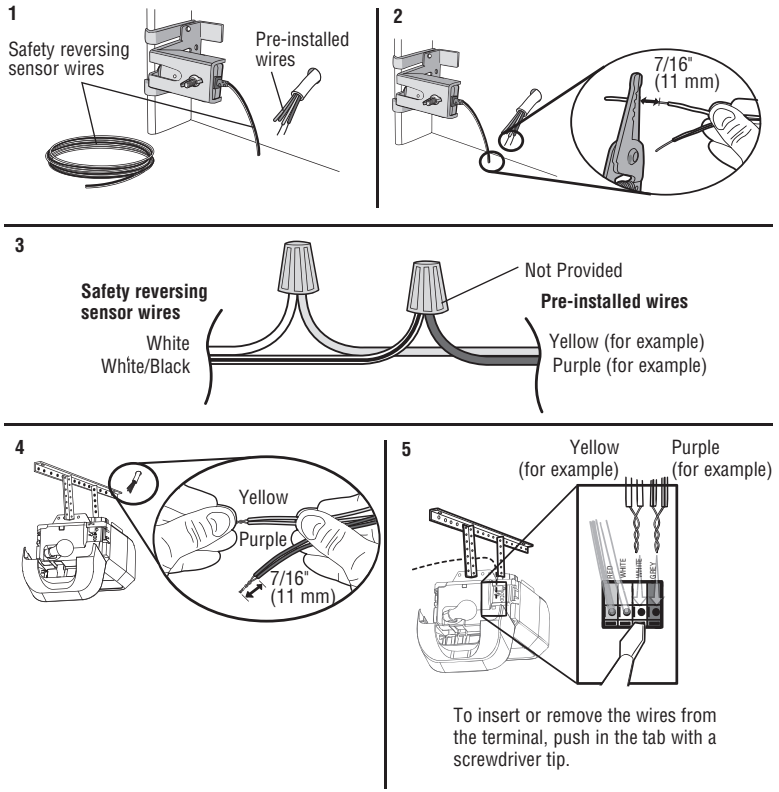
1. Run the wire from both sensors to the garage door opener. Attach the wire to the wall and ceiling with the staples.
2. Strip 7/16 inch (11 mm) of insulation from each set of wires. Separate the wires. Twist the white wires together. Twist the white/black wires together.
3. Insert the white wires into 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

1. 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. 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.
3. 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.
4. 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.
5. 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.



Power

1 Connect Power

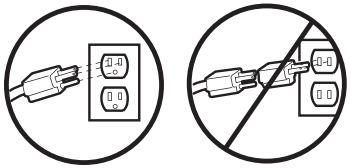
⚠ WARNING

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.

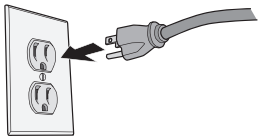


THERE ARE TWO OPTIONS FOR CONNECTING POWER:

OPTION A TYPICAL WIRING

1. Plug in the garage door opener into a grounded outlet.
2. DO NOT run garage door opener at this time.

TYPICAL WIRING

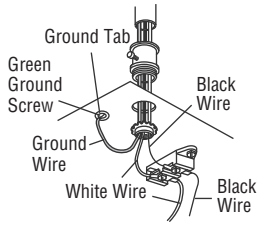


OPTION B PERMANENT WIRING

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

1. Remove the motor unit cover screws and set the cover aside.
2. Remove the attached 3-prong cord.
3. Connect the black (line) wire to the screw on the brass terminal; the white (neutral) wire to the screw on the silver terminal; and the ground wire to the green ground screw. **The opener must be grounded**.
4. Reinstall the cover.

PERMANENT WIRING

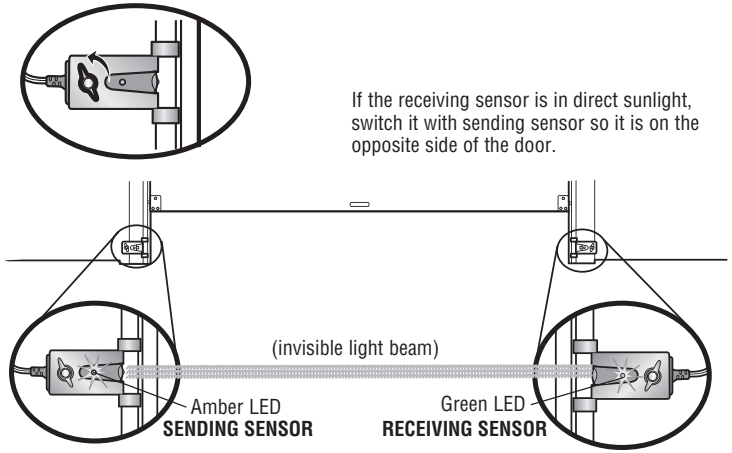


2 Ensure the Safety Reversing Sensors are Aligned

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

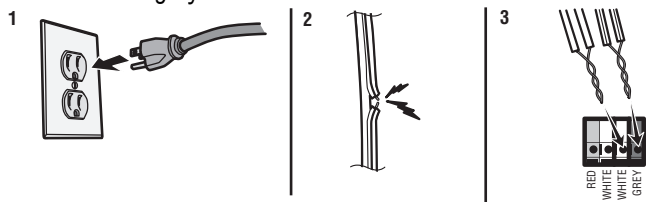
When the light beam is obstructed or misaligned while the door is closing, the door will reverse and the garage door opener lights will flash ten times. If the door is already open, it will not close. The sensors can be aligned by loosening the wing nuts, aligning the sensors, and tightening the wing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

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.



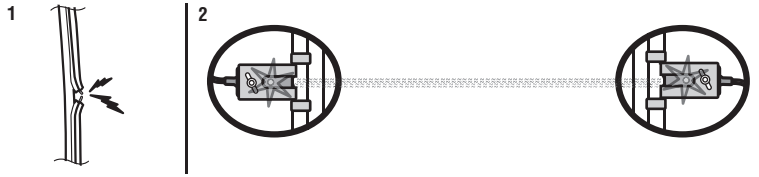
IF THE AMBER LED ON THE SENDING SENSOR IS NOT GLOWING:

1. Make sure there is power to the garage door opener.
2. Make sure the sensor wire is not shorted/broken.
3. Make sure the sensor has been wired correctly: White wires to white terminal and white/black wires to gray terminal.



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

1. Make sure the sensor wire is not shorted/broken.
2. Make sure the senors are aligned.



3 Ensure the Door Control is Wired Correctly

If the door control has been installed and wired correctly a message will display on the screen.

Adjustments

Introduction

⚠ WARNING

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

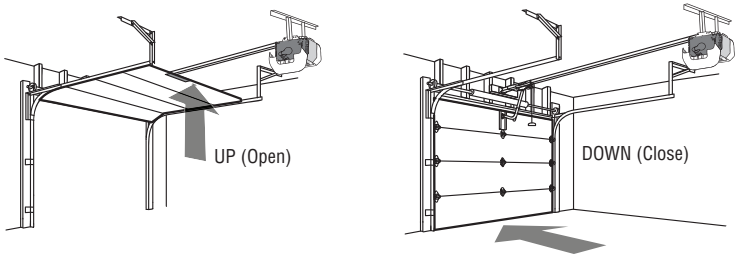
- Incorrect adjustment of garage door travel limits will interfere with proper operation of safety reversal system.
- After ANY adjustments are made, the safety reversal system MUST be tested. Door MUST reverse on contact with 1-1/2" (3.8 cm) high object (or 2x4 laid flat) on floor.

CAUTION

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

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.

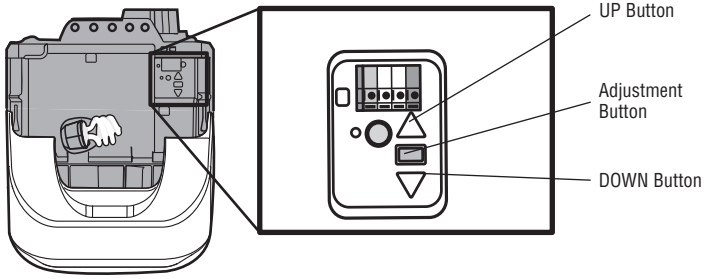
NOTE: *If anything interferes with the door's upward travel it will stop. If anything interferes with the door's downward travel, it will reverse.*



PROGRAMMING BUTTONS

The programming buttons are located on the left side panel of the garage door opener and are used to program the travel. While programming, the UP and DOWN buttons can be used to move the door as needed.

PROGRAMMING BUTTONS



To watch a short instructional video on programming your new garage door opener use your smartphone to read the QR Code below.

Adjustments

1 Program the Travel

⚠ WARNING

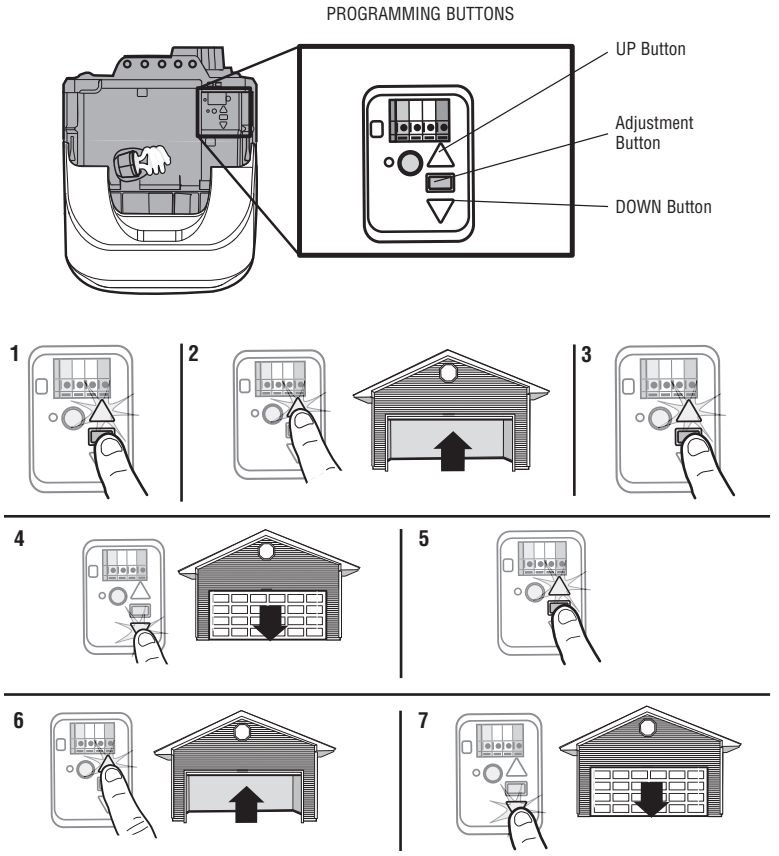
Without a properly installed safety reversal system, persons (particularly small children) could be SERIOUSLY INJURED or KILLED by a closing garage door.

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

While programming, the UP and DOWN buttons can be used to move the door as needed.

1. Press and hold the Adjustment Button until the UP Button begins to flash and/or a beep is heard.
2. Press and hold the UP Button until the door is in the desired UP position.
3. Once the door is in the desired UP position press and release the Adjustment Button. The garage door opener lights will flash twice and the DOWN Button will begin to flash.
4. Press and hold the DOWN Button until the door is in the desired DOWN position.
5. Once the door is in the desired DOWN position press and release the Adjustment Button. The garage door opener lights will flash twice and the UP Button will begin to flash.
6. Press and release the UP Button. When the door travels to the programmed UP position, the DOWN Button will begin to flash.
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 24). 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

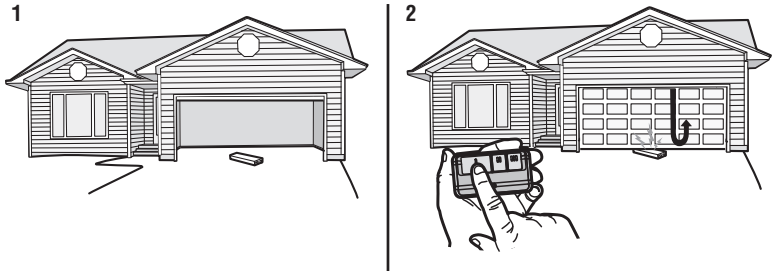
⚠ WARNING

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" (3.8 cm) high object (or 2x4 laid flat) on the floor.

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. 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, increase the down travel (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 garage door opener continues to fail the safety reversal test, call a trained door systems technician.



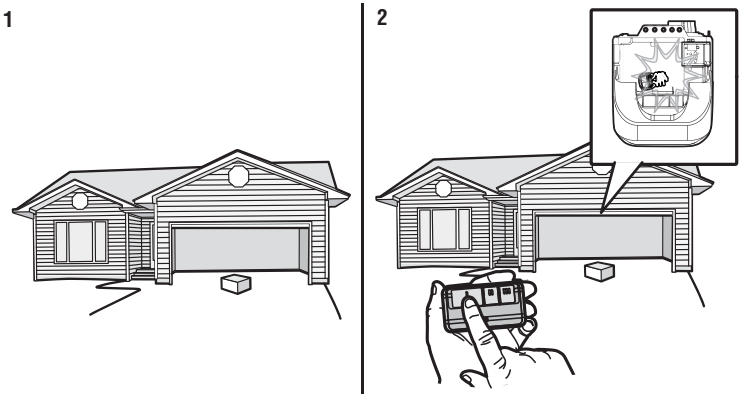
3 Test the Protector System®

⚠ WARNING

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

1. Open the door. Place the garage door opener carton in the path of the door.
2. Press the remote control push button to close the door. The door will not move more than an inch (2.5 cm), 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.



IMPORTANT SAFETY 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 and away from people and objects until completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
5. 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. Use caution when using this release with the door open. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly and increasing the risk of SEVERE INJURY or DEATH.
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" (3.8 cm) high object (or a 2x4 laid flat) on the floor. Failure to adjust the garage door opener properly increases the risk of SEVERE INJURY or DEATH.
11. ALWAYS KEEP GARAGE DOOR PROPERLY BALANCED (see page 4). 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. To avoid SERIOUS PERSONAL INJURY or DEATH from electrocution, disconnect ALL electric power BEFORE performing ANY service or maintenance.
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 install on a one-piece door if using devices or features providing unattended close. Unattended devices and features are to be used ONLY with sectional doors.

16. SAVE THESE INSTRUCTIONS.

Operation

Features

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

Alert2Close

The Alert2Close feature provides a visual and an audible alert that an unattended door is closing.

TIMER-TO-CLOSE (TTC)

The TTC feature automatically closes the door after a specified time period that can be adjusted using a TTC enabled door control (Models 881LMW or 880LMW). Prior to and during the door closing the garage door opener lights will flash and the garage door opener will beep.

MyQ®

MyQ allows you to control your garage door opener from your mobile device or computer from anywhere. MyQ technology uses a 900Mhz signal to provide two way communication between the garage door opener and MyQ enabled accessories.
The garage door opener has an internal gateway that allows the garage door opener to communicate directly with a home Wi-Fi® network and access your MyQ account.

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 not affect the opening cycle. For more information see page 19.

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.

Light 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 page 32.

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 not affect the opening cycle. The safety reversing sensor must be connected and aligned correctly before the garage door opener will move in the down direction.

Operation

Connect With Your Smartphone

The Wi-Fi® Garage Door Opener is compatible with up to 16 MyQ enabled accssories. Up to 10 devices can be paired to the Wi-Fi garage door opener's internal gateway. These devices can be controlled with the MyQ app. These devices include any combination of MyQ garage door openers, WiFi garage door openers, MyQ light controls, MyQ gate operators or MyQ commercial door operators. A LiftMaster Internet Gateway (828LM) can be added if you need to control more than 10 devices using the MyQ app. Up to 6 devices can be paired to garage door opener itself (controlled by garage door opener through 900MHz). These devices include any combination of MyQ light controls or a garage door and gate monitor.

You will need:

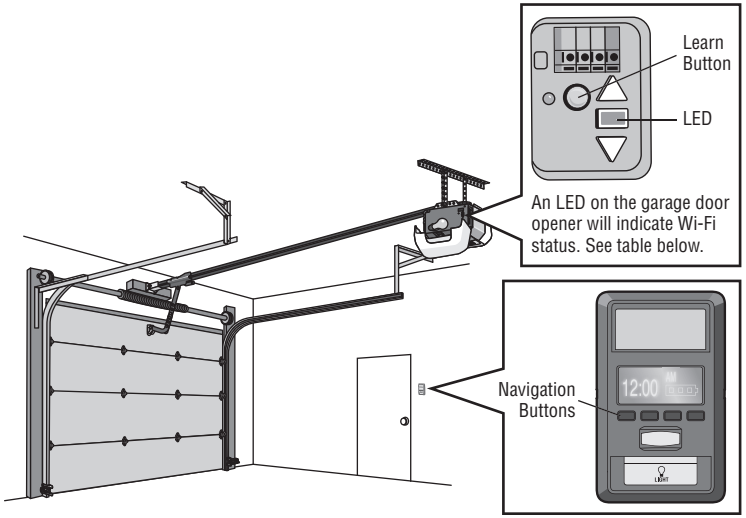
- Wi-Fi enabled smartphone, tablet or laptop
- Broadband Internet Connection
- Wi-Fi signal in the garage **(2.4Ghz required)**, see page 4
- Password for your home network (router's main account, not guest network)
- MyQ® serial number located on the garage door opener

Connect Your Garage Door Opener to Your Home Wi-Fi Network

1. Use the Smart Control Panel®, go to Menu > Program > Wi-Fi Setup **OR** press and release the yellow LEARN button on the garage door opener 3 times. The garage door opener will beep once. You have 20 minutes to complete the connection process.
2. On your mobile device, go to Settings > Wi-Fi and select the network with the "MyQ-" prefix.
3. Launch the web browser on your smartphone or tablet. Enter **setup.myqdevice.com** into the browser address bar. Follow the on screen prompts to connect the garage door opener to your Wi-Fi network. The MyQ serial number will display on screen.
   Write the serial number in the space below.

4. Download the MyQ app from the App Store® or Google Play™ store. Sign up for your MyQ account and add the MyQ serial number to your account.

To add a second Wi-Fi garage door opener, repeat steps 1-3. Add the second MyQ serial number to your account in the MyQ app.



LED	Definition
Blue	**Off** - Wi-Fi is not turned on. **Blinking** - Garage door opener is in Wi-Fi learn mode. **Solid** - Mobile device connected to the garage door opener.
Blue and Green	**Blinking** - Attempting to connect to router.
Green	**Blinking** - Attempting to connect to the Internet server. **Solid** - Wi-Fi has been set up and garage door opener is connected to the internet.

NOTES:

To erase the Wi-Fi settings, see page 33.

If you need help adding devices to your MyQ account, or to learn more go to WiFiHelp.LiftMaster.com.

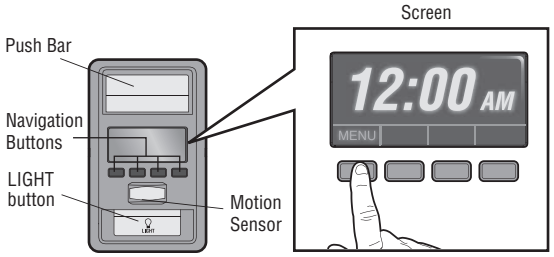
Operation

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.

Up to 2 Smart Control Panels® or 4 of any other Security+ 2.0® door controls can be connected to the garage door opener.



PUSH BAR

Press the push bar to open or close the door.

NAVIGATION BUTTONS

Use the navigation buttons to make selections and program features.

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.

SCREEN

The screen will display the time and temperature until the menu button is pressed, and then it will display the menu options. If there is a problem with the garage door opener the screen will display the Diagnostic Code. Refer to the Troubleshooting section.

The following features are accessible through the screen using the navigation buttons:

LEARN A DEVICE

Any compatible remote controls, wireless keyless entry, Wi-Fi garage door openers, or MyQ® accessories can be programmed to the garage door opener by accessing the menu and using the navigation buttons.

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)

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 or a custom setting up to 99 minutes). The garage door opener will *Beep* and the lights will *Flash* 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 automatically turns on the garage door opener lights when motion is sensed. The lights will come on for the set period of time, then shut off. If using the garage door opener light as a work light disable the motion sensor, otherwise the light will turn off automatically if you are beyond the range of the sensor.

Light Feature

The lights will turn on when someone enters through the open garage door and the safety reversing sensor infrared beam is broken.

MAINTENANCE ALERT (MAS)

This feature assists the homeowner in ensuring the garage door opener system stays in good working condition. When the garage door opener needs to be serviced (approximately 4500 garage door opener cycles) the command (yellow) and service (red) LEDs will begin to alternately flash back and forth. The factory setting for the MAS feature is off and can be activated at time of installation. Contact your installing dealer for service.

Operation

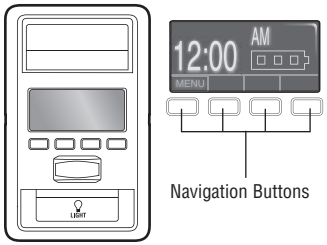
Using the Door Control

Setup

The features on the door control can be programmed through a series of menus on the screen and the navigation buttons. Refer to the descriptions below.

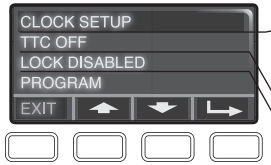
SCREEN

The main screen displays the time, temperature, and current battery charge (if applicable)



FEATURES

Press the navigation button below "MENU" to view the Features menu.



Set the time, choose 12 or 24 hour clock and show/hide clock.

For sectional doors ONLY. Set the Timer-to-Close feature off/on and set the time interval before door closes. ***NOTE:*** *DO NOT enable TTC if operating a one-piece door. TTC is to be used ONLY with sectional doors.*

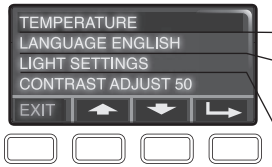
Enable/disable lock.

Set up Wi-Fi*, add remote controls, MyQ® devices, an extra remote button to control your garage door opener lights, or a keyless entry.

* The garage door opener must run through a complete cycle before it will activate Wi-Fi® programming. For help related to Wi-Fi, visit WiFiHelp.LiftMaster.com.

SETTINGS

Press the navigation button below the down arrow till you see TEMPERATURE to view the Settings menu.



Display the temperature in Fahrenheit or Celsius and show/hide the temperature.

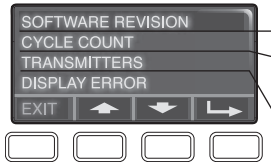
Select a language.

Set duration for garage door opener light to stay on after operation, selectable range of 1-1/2 to 4-1/2 minutes. Turn the Motion sensor off/on, and turn the entry light feature off/on.

Adjust the contrast of the screen.

SERVICE

Press and hold the second navigation button, then press the LIGHT button to view the Service menu.



Displays software version information.

Turn the Maintenance Alert (MAS) on/off.

Displays the number of remote controls, MyQ® devices, door controls and keyless entries currently programmed to operate the garage door opener.

Displays any errors that have occurred.

To program a remote control or keyless entry to the garage door opener using the door control, see page 33.

Operation

Remote Control

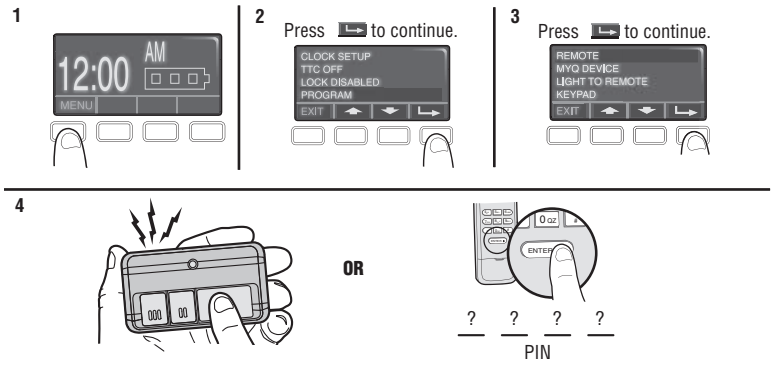
Your remote control has been programmed at the factory to operate with your garage door opener.

Up to 40 Security+ 2.0® remote controls can be programmed to the garage door opener. Older LiftMaster remote controls are NOT compatible, see page 38 for compatible accessories. Programming can be done through the door control or the learn button on the garage door opener. To program additional accessories refer to the instructions provided with the accessory or visit LiftMaster.com. If your vehicle is equipped with a Homelink®, you may require an external adapter depending on the make, model, and year of your vehicle. Visit www.homelink.com for additional information.

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

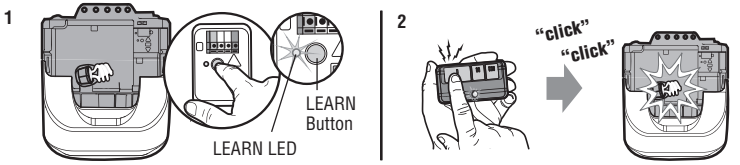
1. Press the navigation button below "MENU" to view the Features menu.
2. Use the navigation buttons to scroll to "PROGRAM".
3. Select "REMOTE" or "KEYPAD" to program from the program menu.
4. **Remote Control:** Press the button on the remote control that you wish to operate your garage door.
   Keyless 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.



PROGRAM USING THE LEARN BUTTON ON THE GARAGE DOOR OPENER

1. Press and release the LEARN Button on the garage door opener.
2. Press and hold the button on the remote control that you wish to use. Release the button when the garage door opener lights blink or two clicks are heard.



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 (Including MyQ® enabled accessories)

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.

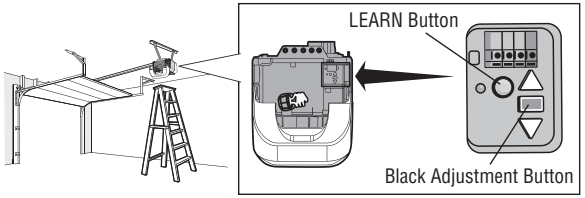
Reprogram any accessory you wish to use.

ERASE THE Wi-Fi NETWORK FROM THE GARAGE DOOR OPENER

Press and hold the black adjustment button until 3 beeps are heard (approximately 6 seconds).

ERASE A MyQ® ACCOUNT

Go to myLiftMaster.com to delete your MyQ account.



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.

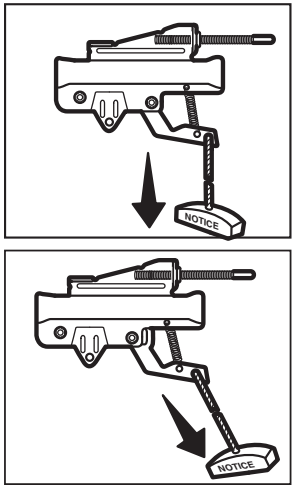
DISCONNECT THE TROLLEY

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

Maintenance Schedule

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, see page 26.
- Test the safety reversal system. Adjust if necessary, see page 27.

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.

The Remote Control Battery

⚠ WARNING

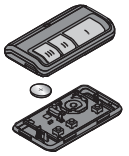
To prevent possible SERIOUS INJURY or DEATH:

- 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 3V CR2032 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 3V CR2032 coin cell batteries. Dispose of old batteries properly.



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.

This Class B digital apparatus complies with Canadian ICES-003.

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.

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

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		SYMPTOM	SOLUTION
Up Arrow Flash(es)	Down Arrow Flash(es)		
1	1	The garage door opener will not close and the light bulbs flash.	Safety sensors are not installed, connected or wires may be cut. Inspect sensor wires for a disconnected or cut wire.
1	2	The garage door opener will not close and the light bulbs flash.	There is a short or reversed wire for the safety sensors. Inspect safety sensor wire at all staple points and connection points and replace wire or correct as needed.
1	3	The door control will not function.	The wires for the door control are shorted or the door control is faulty. Inspect safety sensor wire at all staple points and connection points and replace wire or correct as needed.
1	4	The garage door opener will not close and the light bulbs flash.	Safety sensors are misaligned or were momentarily obstructed. Realign both sensors to ensure both LEDs are steady and not flickering. Make sure nothing is hanging or mounted on the door that would interrupt the sensors path while closing.
1	5	Door moves 6-8" (15-20 cm) stops or reverses.	Manually open and close the door. Check for binding or obstructions, such as a broken spring or door lock, correct as needed. Check wiring connections at travel module and at the logic board. Replace travel module if necessary.
		No movement, only a single click.	Manually open and close the door. Check for binding or obstructions, such as a broken spring or door lock, correct as needed. Replace logic board if necessary.
		Opener hums for 1-2 seconds no movement.	Manually open and close the door. Check for binding or obstructions, such as a broken spring or door lock, correct as needed. Replace motor if necessary.
1	6	Door coast after it has come to a complete stop.	Program travel to coasting position or have door balanced by a trained technician.
2	1-5	No movement or sound.	Replace logic board.
3	2	Unable to set the travel or retain position.	Check travel module for proper assembly, replace if necessary.

Troubleshooting

DIAGNOSTIC CODE		SYMPTOM	SOLUTION
Up Arrow Flash(es)	Down Arrow Flash(es)		
4	1-4	Door is moving stops and or reverses.	Manually open and close the door. Check for binding or obstructions, such as a broken spring or door lock, correct as needed. If the door is binding or sticking contact a trained door systems technician. If door is not binding or sticking attempt to reprogram travel (refer to page 26).
4	5	Opener runs approximately 6-8" (15-20 cm), stops and reverses.	Communication error to travel module. Check travel module connections, replace module if necessary.
4	6	The garage door opener will not close and the light bulbs flash.	Safety sensors are misaligned or were momentarily obstructed. Realign both sensors to ensure both LEDs are steady and not flickering. Make sure nothing is hanging or mounted on the door that would interrupt the sensor's path while closing.

The garage door opener will NOT enter Wi-Fi LEARN mode:

- After the initial installation of the garage door opener, the garage door opener must complete a full cycle (open and closed) before the Wi-Fi LEARN mode can be activated.
- If there has been a recent power outage, the garage door opener must complete a full cycle before the Wi-Fi LEARN mode can be activated.

See page 30 to activate Wi-Fi LEARN mode.

Cannot connect garage door opener to home Wi-Fi network:

- Ensure the MyQ Serial number was entered correctly and try again. The MyQ characters are between A-F and 0-9 only.
- Weak Wi-Fi signal in the garage. Ensure the Wi-Fi signal is reaching the garage, see page 4 or visit WiFiHelp.LiftMaster.com for more information.

My door will not close and the light bulbs blink on my motor unit:

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

- Verify the safety sensors are properly installed, aligned and free of any obstructions.

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. This feature can be disabled using the door control, see page 32.

My neighbor's remote control opens my garage door:

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

My vehicle's Homelink® is not programming to my garage door opener:

Depending on the make, model, and year of your vehicle an external adapter may be required. Visit www.homelink.com for additional information.

Accessories

823LM **Remote Light Switch:**



Automatically control your lights using your garage door opener, a Security+ 2.0® remote control or a LiftMaster® 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 LiftMaster® Internet Gateway. Plugs into any interior outlet.

975LM **Laser Garage Parking Assist:**



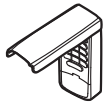
Laser enables homeowners to precisely park vehicles in the garage.

829LM **Garage and Gate Monitor:**



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

877MAX **MAX Wireless 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.

893MAX **3-Button MAX Remote Control:**



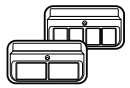
Compatible with LiftMaster® garage door openers manufactured since 1993. Includes visor clip.

890MAX **Mini 3-Button MAX Remote Control:**



Compatible with LiftMaster® garage door openers manufactured since 1993.

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



Compatible with LiftMaster® garage door openers manufactured since 1997. Also compatible with Encrypted DIP for gate applications.

880LMW **Smart Control Panel®:**



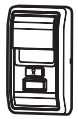
Displays temperature, time and system diagnostics; includes a push bar to open and close the door and a lock feature for extra security. Security+ 2.0® and Wi-Fi® compatible.

881LMW **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. Security+ 2.0® and Wi-Fi® compatible.

886LMW **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. Security+ 2.0® and Wi-Fi® compatible.

Warranty

LIFTMASTER® LIMITED WARRANTY

LiftMaster® ("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 defects in materials and/or workmanship for a specific period of time as defined below (the "Warranty Period"). The warranty period commences from the date of purchase.

WARRANTY PERIOD		
Parts	**Motor**	**Accessories**
5 years	Lifetime	1 year

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. You will be advised of disassembly and shipping instructions when you call. Then send the product or component, pre-paid and insured, as directed to our service center for warranty repair. 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. [You are responsible for any costs incurred in removing and/or reinstalling the product or any component].

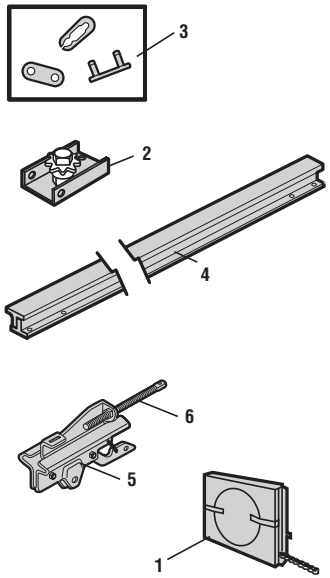
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Some states and provinces do not allow the exclusion or limitation of consequential, incidental or special damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state and province to province.

Repair Parts

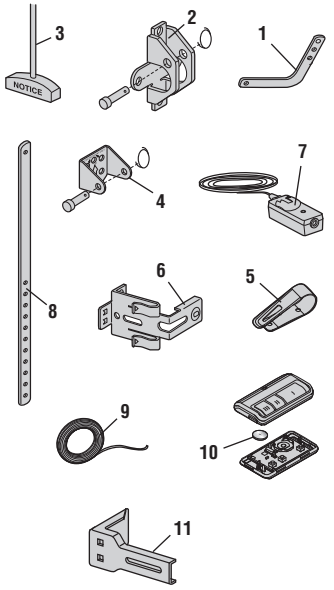
Rail Assembly Parts

	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	41A2780
3	Master Link	4A1008
4	One-Piece Rail 7 feet (2.1 m)	3707CH
	One-Piece Rail 8 feet (2.4 m)	3708CH
	One-Piece Rail 10 feet (3 m)	3710CH
5	Trolley Assembly	41A3489
6	Trolley Threaded Shaft	109B48
	Not Shown	
	Rail Grease	83A11-2



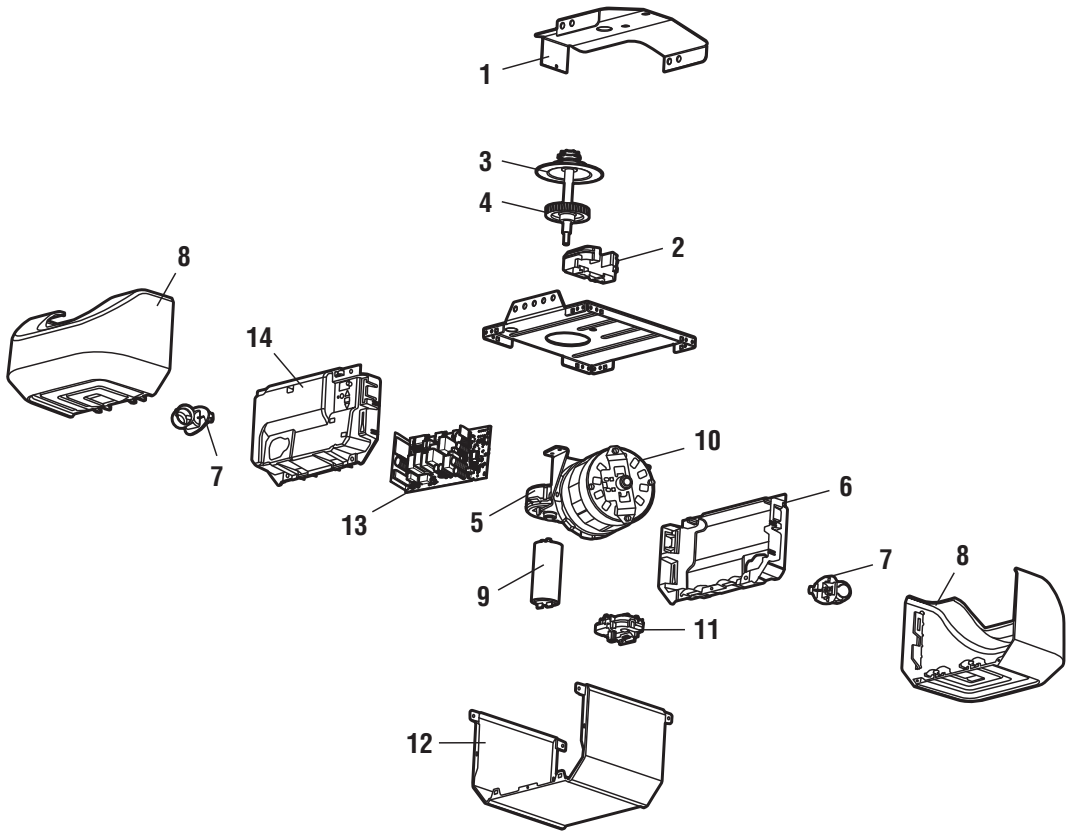
Installation Parts

	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	41A4353-1
5	Remote Control Visor Clip	29C151
6	Safety Sensor Bracket	41A5266-1
7	Safety Sensor Kit with receiving and sending sensors with 3 feet (.9 m) 2-conductor wire	041A5034
8	Straight Door Arm	178B34
9	White and Red/White Wire	41B4494-1
10	3V CR2032 Lithium Battery	10A20
11	Extension Brackets	041A5281-1
	Not Shown	
	User's Guide	114A4761



Repair Parts

Garage Door Opener Parts



	DESCRIPTION	Part Number
1	Chassis Support Bracket	041A5069
2	Chain spreader	041A4208-2
3	Gear and Sprocket	041A5658-1
4	Drive and Worm Gear	041A2817
5	Gear Case	041A5532
6	Front End Panel	041A7756-1
7	Light Socket	041C0279
8	Light Lens	041A7562
9	Capacitor	030B0652
10	Motor with Travel Module	041A7667
11	Travel Module	041D7742-5
12	Cover	041D8258
13	Logic Board	050ACTWF
14	Logic Board End Panel	041D8198

Contact Information

Address repair parts order to:
LiftMaster
6050 S. Country Club Rd.
Tucson, AZ 85706

For installation and service information call:
1-800-528-9131
Or visit us online at:
LiftMaster.com
or
myLiftMaster.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.

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