RAYNOR
GARAGE DOORS

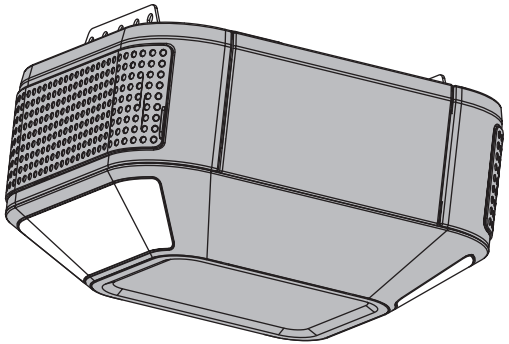
RAYNOR
VOYAGER™

Wi-Fi® Garage Door Opener

Model 84501RGD

DC Belt Drive

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.**
- **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.**

CONTENTS

c UL us

Register online at: http://blog.raynor.com/warranty-registration

www.raynor.com

Raynor Garage Doors
1101 E. River Road
Dixon, Illinois 61021

Preparation

myQ® Serial Number

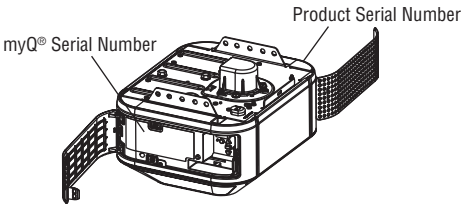
Write down the following information for future reference:

myQ® Serial Number:

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

⚠ **WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to *www.P65Warnings.ca.gov*

Unattended Operation

The Timer-to-Close (TTC) feature, the myQ® 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® App, and any other myQ® devices are to be used ONLY with sectional doors.

Preparation

Before You Connect with Your Smartphone

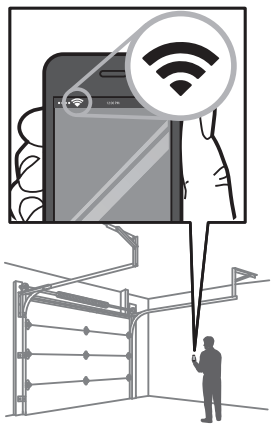
Monitor and control your garage door from anywhere using the myQ® App.

You will need:

- Wi-Fi® enabled smartphone, tablet or laptop
- Broadband Internet Connection
- Wi-Fi® signal in the garage **(2.4 GHz, 802.11b/g/n 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

See page 29 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.

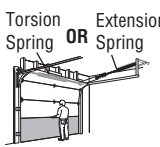
⚠ CAUTION

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.

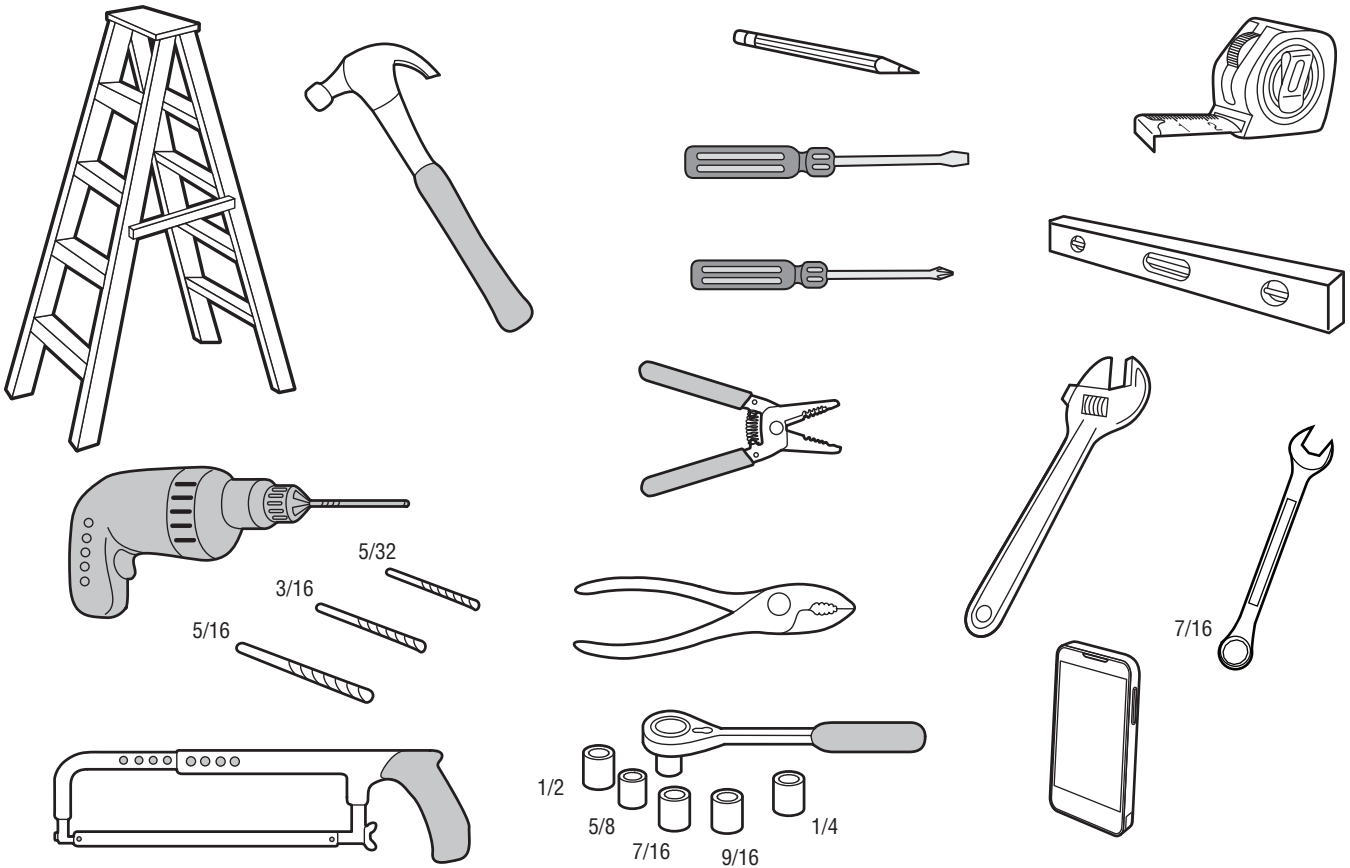
Before you begin:

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" (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 9.



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.***

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 with hex screws
K. Belt
L. Multi-function control panel
M. White and red/white wire
N. The Protector System®
Safety reversing sensors with white and white/black wire attached: Sending senor (1), receiving sensor (1), and safety sensor brackets (2)
O. Safety labels and literature
P. Rail grease
Q. Remote control

Go to page 37 for replacement or additional accessories.

ASSEMBLY HARDWARE

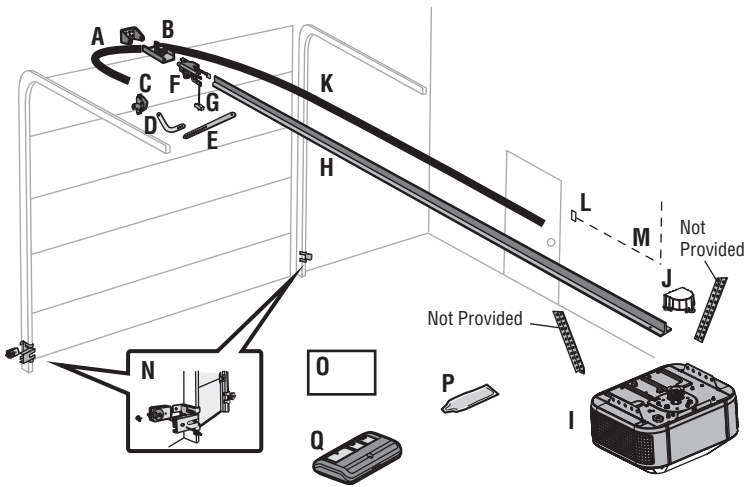
Washered Bolt 5/16"-18 x 1/2" (2) [mounted in the top of the garage door opener]

INSTALLATION HARDWARE

Hex Bolt 5/16"-18 x 7/8" (4)
Lag Screw 5/16"-9 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)
Self-Threading Screw 1/4"-14 x 5/8" (2)
Ring Fastener (3)
Hex Screw 10-24 (2)
Wing Nut (2)

DOOR CONTROL HARDWARE

Screw 6AB x 1-1/4" (2)
Screw 6-32 x 1" (2)
Drywall Anchors (2)



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.

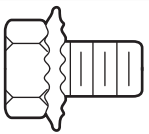
⚠ CAUTION

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.*

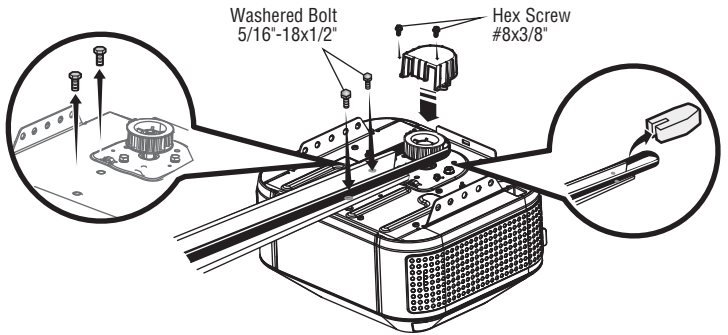
1. Remove the two bolts from the top of the garage door opener.
2. Align the rail and the styrofoam over the sprocket. Cut the tape from the rail, belt, and styrofoam.
3. Fasten the rail with the previously removed bolts.
4. Position the belt around the garage door opener sprocket.
5. Attach the sprocket cover over the garage door opener sprocket and attach with hex screws.

HARDWARE



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

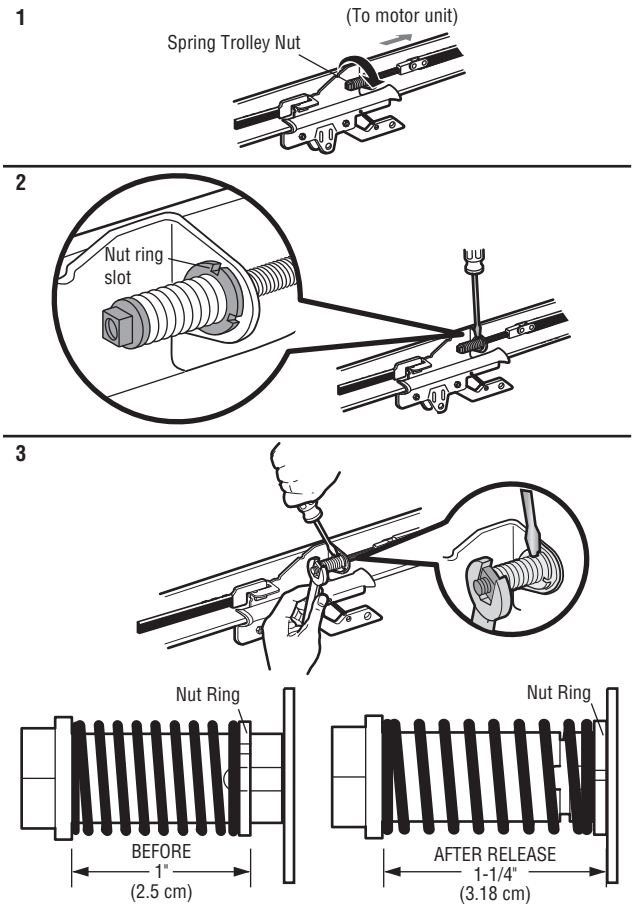
Hex Screw #8x3/8"
(Packed with the sprocket cover)



Assembly

2 Tighten the Belt

1. By hand, thread the spring trolley nut on the threaded shaft until it is finger tight against the trolley. Do not use any tools.
2. Insert a flathead screwdriver tip into one of the nut ring slots and brace it firmly against the trolley.
3. Tighten the spring trolley nut with an adjustable wrench or a 7/16" open end wrench about a quarter turn until the spring releases and snaps the nut ring against the trolley. This sets the spring to optimum belt tension.



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. Where possible, install the door opener 7 feet (2.13 m) or more above the 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 small children at a minimum height of 5 feet (1.5 m) above floors, landings, steps or any other adjacent walking surface.
   - away from ALL moving parts of the door.
10. Place entrapment warning label on wall next to garage door control in a prominent location.
11. Place emergency 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. 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:

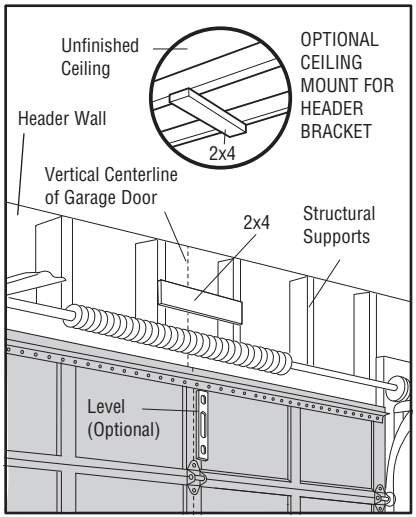
- Header bracket MUST be RIGIDLY fastened to structural support on header wall or ceiling, otherwise garage door might NOT reverse when required. DO NOT install header bracket over drywall.
- Concrete anchors MUST be used if mounting header bracket or 2x4 into masonry.
- NEVER try to loosen, move or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

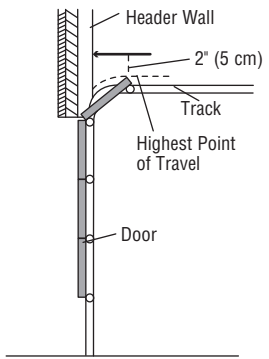
Close the door and mark the inside vertical centerline of the garage door.

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 10 for ceiling installation.*



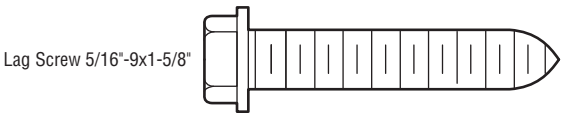


Sectional door with curved track

2 Install the Header Bracket

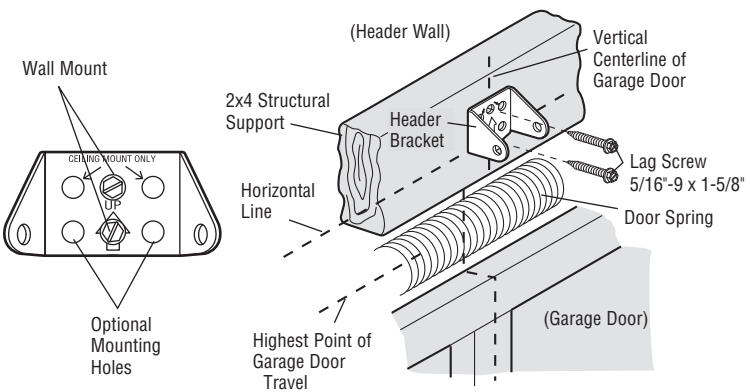
You can attach the header bracket either to the wall above the garage door, or to the ceiling. Follow the instructions which will work best for your particular requirements. **Do not install the header bracket over drywall. If installing into masonry, use concrete anchors (not provided).**

HARDWARE



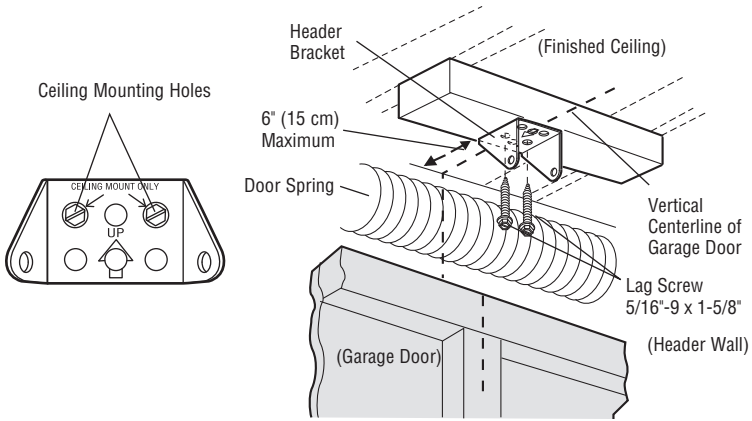
OPTION A - WALL INSTALLATION

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 the hardware provided.

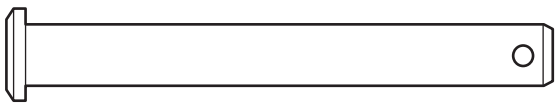


3 Attach the Rail to the Header Bracket

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.

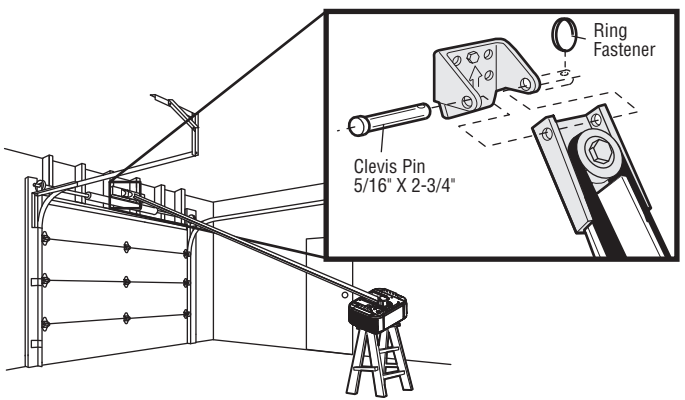
NOTE: *Use the packing material as a protective base for the garage door opener.*

HARDWARE



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

Ring Fastener



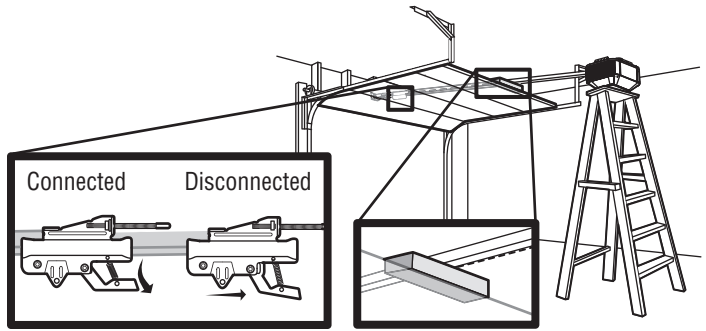
4 Position the Garage Door Opener

⚠ 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"-18 x 1-7/8" lag screws (not provided).
5. Fasten the opener to the hanging brackets with 5/16"-18 x 7/8" 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" | Hex Bolt 5/16"- 18x7/8" | Nut 5/16"-18

FIGURE 1

Unfinished Ceiling

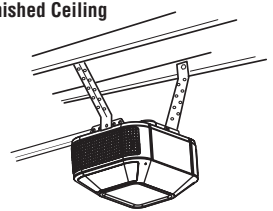


FIGURE 2

Finished Ceiling

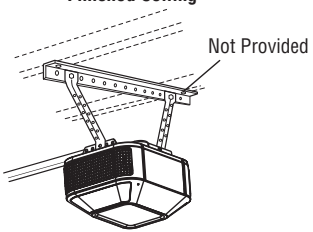
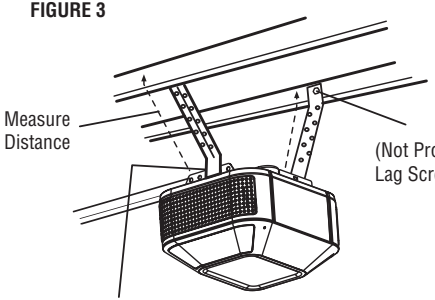


FIGURE 3



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

6 Attach the Emergency Release Rope and Handle

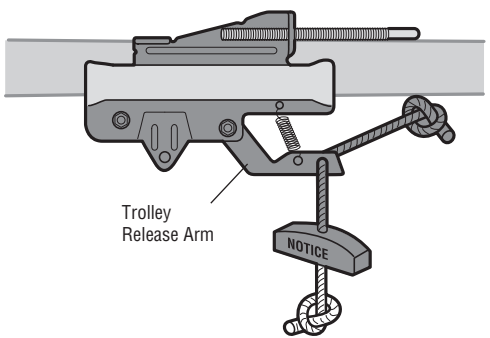
⚠ WARNING

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. Secure with an overhand knot at least 1" (2.5 cm) from the end of the rope to prevent slipping.
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 floor, avoiding contact with vehicles to prevent accidental release and secure with an overhand 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.*

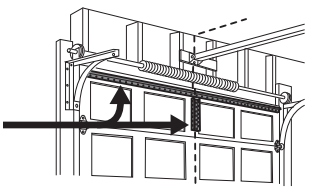


7 Install the Door Bracket

⚠ 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"-18x2" bolts, lock washers and nuts (not provided). (Figure 2)

Metal, insulated or light weight factory reinforced doors:

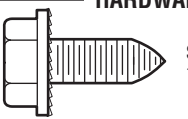
- Drill 3/16" fastening holes. Secure the door bracket using the self-threading screws. (Figure 3)

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"-18 x 2" carriage bolts, lock washers and nuts (not provided). (Figure 4)

NOTE: *The 1/4"-14 x 5/8" self-threading screws are not intended for use on wood doors.*

HARDWARE



Self-Threading Screw
1/4"-14 x 5/8"

FIGURE 1

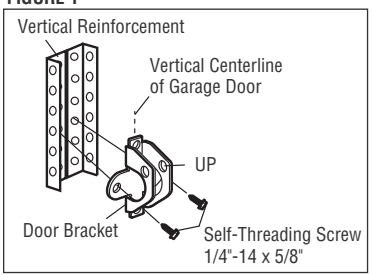


FIGURE 2

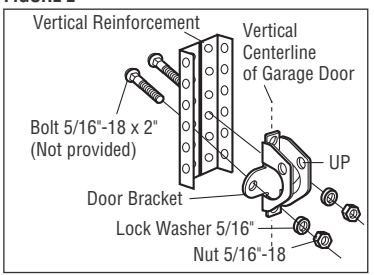


FIGURE 3

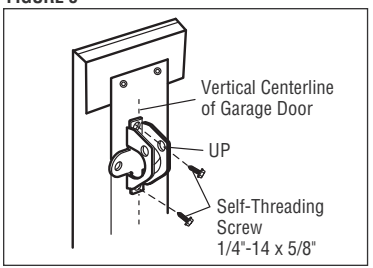
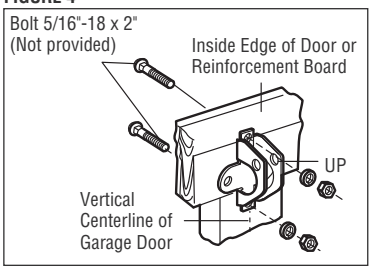


FIGURE 4

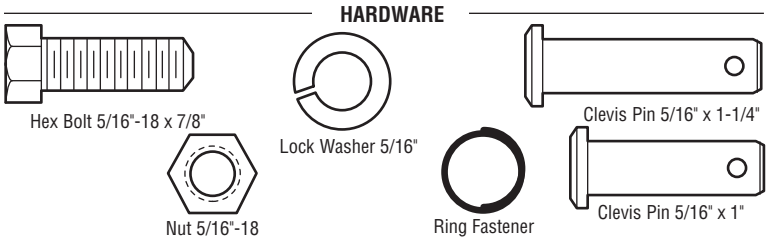


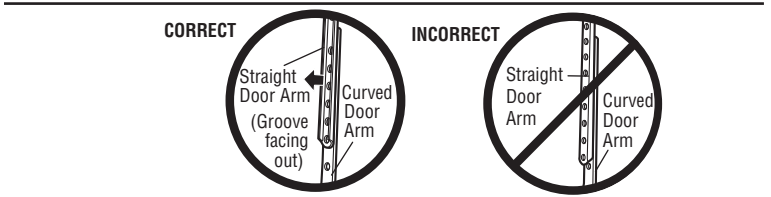
8 Connect the Door Arm to the Trolley

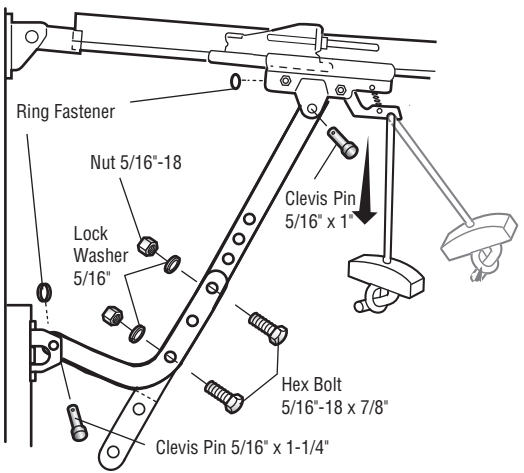
IMPORTANT: *The groove on the straight door arm MUST face away from the curved door arm.*

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.







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 small children at a minimum height of 5 feet (1.5 m) above floors, landings, steps or any other adjacent walking surface, 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.

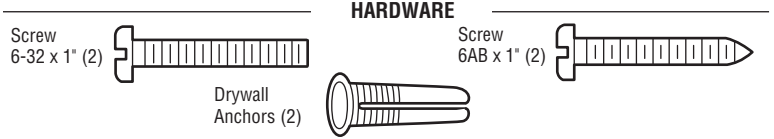
INTRODUCTION

Compatible with myQ® and Security+ 2.0 accessories, see page 37. 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 Raynor door controls and third party products are not compatible.*

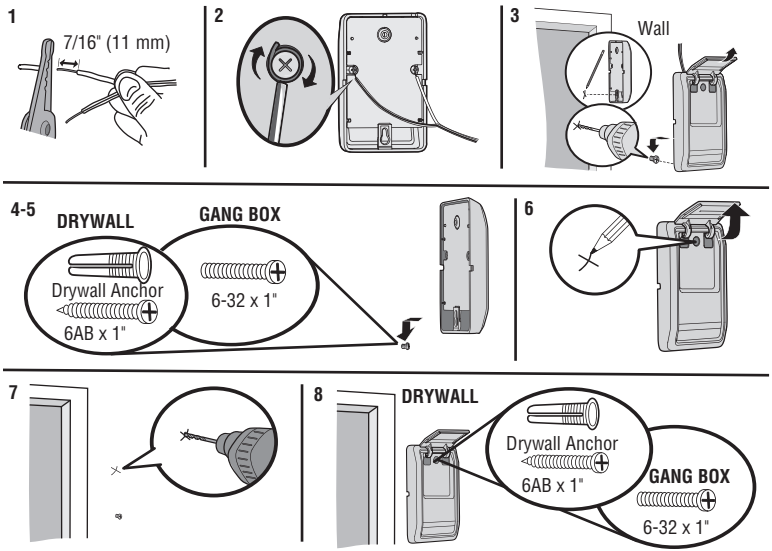
Install door control within sight of garage door, out of reach of small children at a minimum height of 5 feet (1.5 m) above floors, landings, steps or any other adjacent walking surface, and away from ALL moving parts of door. For gang box installations it is not necessary to drill holes or install the drywall anchors. Use the existing holes in the gang box.

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

HARDWARE



1. Strip 7/16" (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" hole.
4. Install the bottom screw, allowing 1/8" (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" 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.

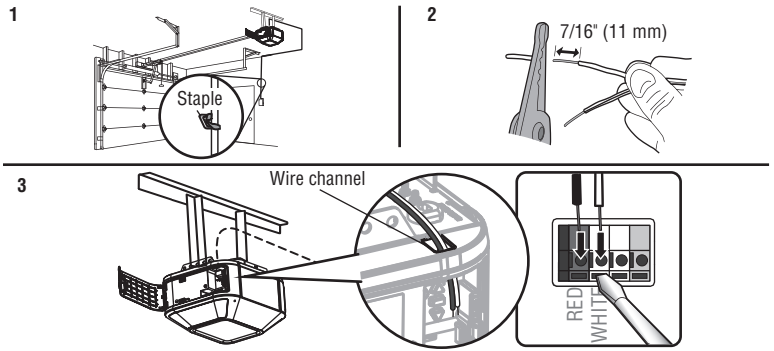


Door Control

2 Wire the Door Control to the Garage Door Opener

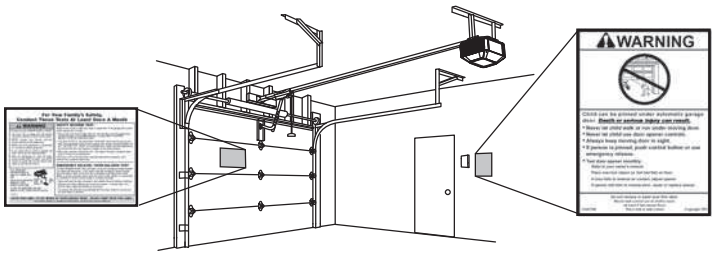
PRE-WIRED INSTALLATIONS: When wiring the door control to the garage door opener make sure you use the same wires that are connected to the door control.

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 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" (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:

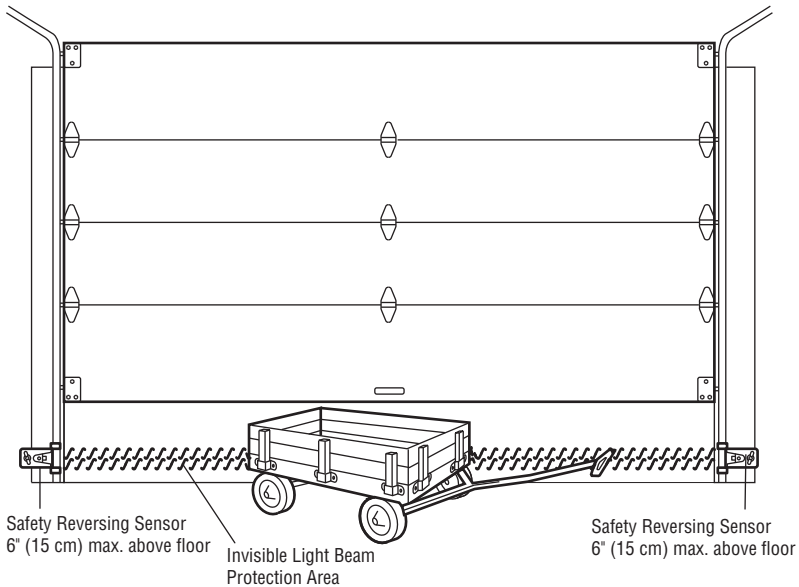
- Correctly connect and align the safety reversing sensor. This required safety device MUST NOT be disabled.
- Install the safety reversing sensor so beam is NO HIGHER than 6" (15 cm) above garage floor.

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

The Protector System® includes two safety reversing sensors which use a light beam to prevent the garage door from closing. The sending sensor (amber LED) transmits the beam to the receiving sensor (green LED) when both are powered and aligned. 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.

When installing the safety reversing sensors, check:

- Sensors are installed INSIDE the garage.
- Sensor lenses are facing each other. ***IMPORTANT****: Do not allow direct sunlight to the receiving sensor (green LED).*
- Sensor beam is NO HIGHER than 6" (15 cm) above the floor and the light beam is unobstructed.



Install the Protector System®

1 Install the Safety Reversing Sensors

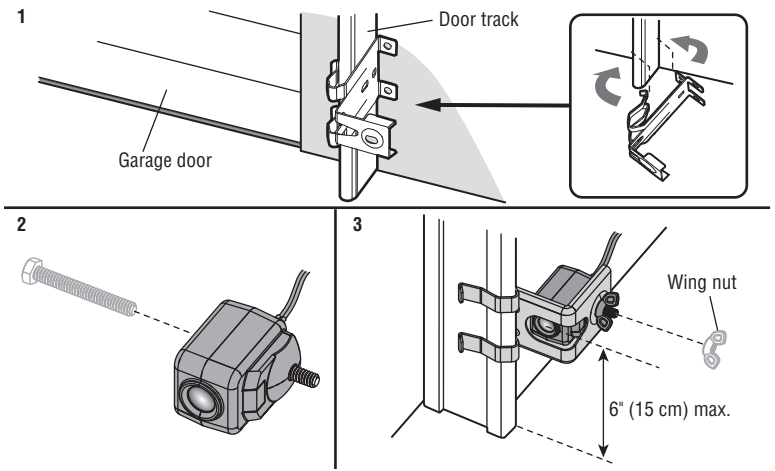
HARDWARE

The safety reversing sensors are designed to clip onto the door track with the provided sensor brackets. If the door track will not support the sensor bracket a wall installation is recommended. The sensor beam should be NO HIGHER than 6" (15 cm) above the floor.

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 hex screw through the sensor.
3. Attach the sensor to the bracket with the wing nut. Make sure the lens is not obstructed by the bracket.

Repeat the steps with the other sensor on the opposite door track. Both lenses must face each other.

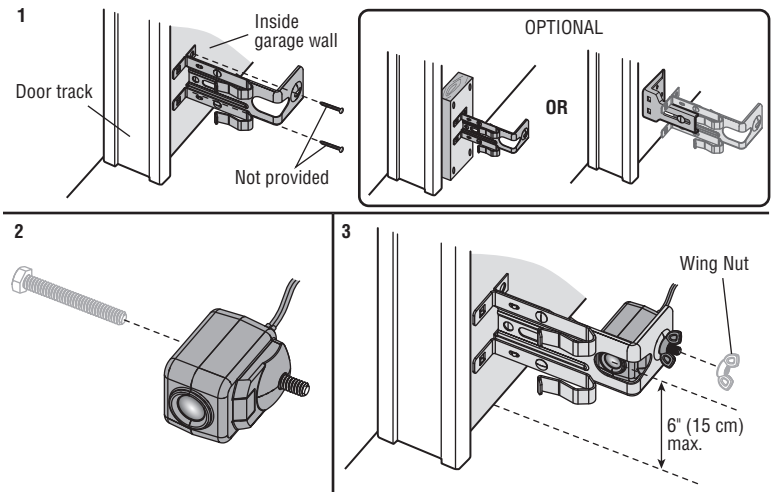


WALL INSTALLATION

Make sure the brackets on each side are clear of the door track and have the same amount of clearance so the sensors will align correctly. If additional clearance is needed, use extension brackets 041A5281-1 (not provided) or wood blocks.

1. Attach the sensor bracket against the wall with two lag screws (not provided).
2. Slide the hex screw through the sensor.
3. Attach the sensor to the bracket with the wing nut. Make sure the lens is not obstructed by the bracket.

Repeat the steps with the other sensor on the opposite side of the garage door. Both lenses must face each other.

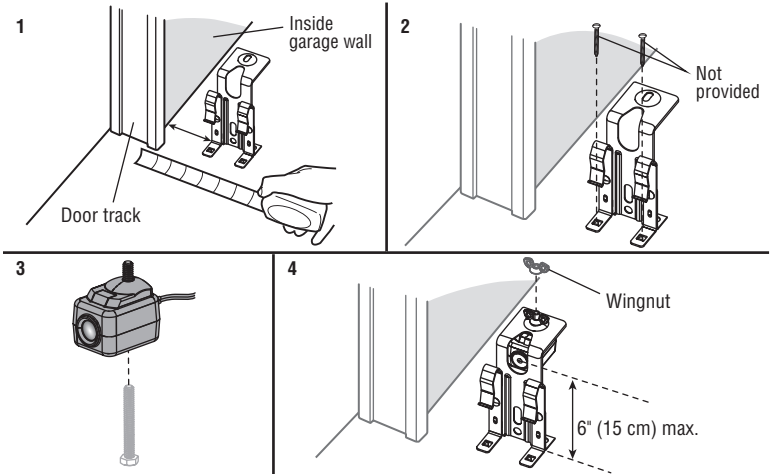


Install the Protector System®

FLOOR INSTALLATION

1. Measure the position of both sensor brackets so they will be the same distance from the wall and unobstructed.
2. Attach the bracket to the floor with concrete anchors (not provided).
3. Slide the hex screw through the sensor.
4. Attach the sensor to the bracket with the wing nut. Make sure the lens is not obstructed by the bracket.

Repeat the steps with the other sensor on the opposite side of the garage door. Both lenses must face each other.

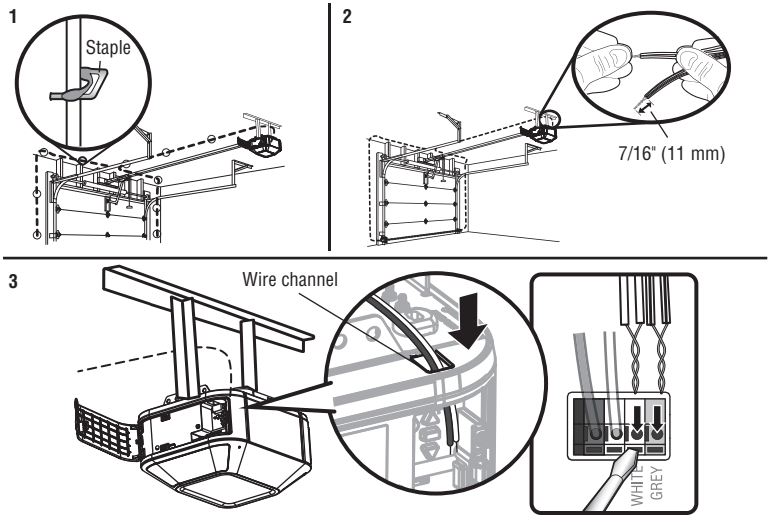


2 Wire the Safety Reversing Sensors

PRE-WIRED INSTALLATIONS: If your garage already has wires installed for the safety reversing sensors, see page 21.

OPTION A - INSTALLATION WITHOUT PRE-WIRING

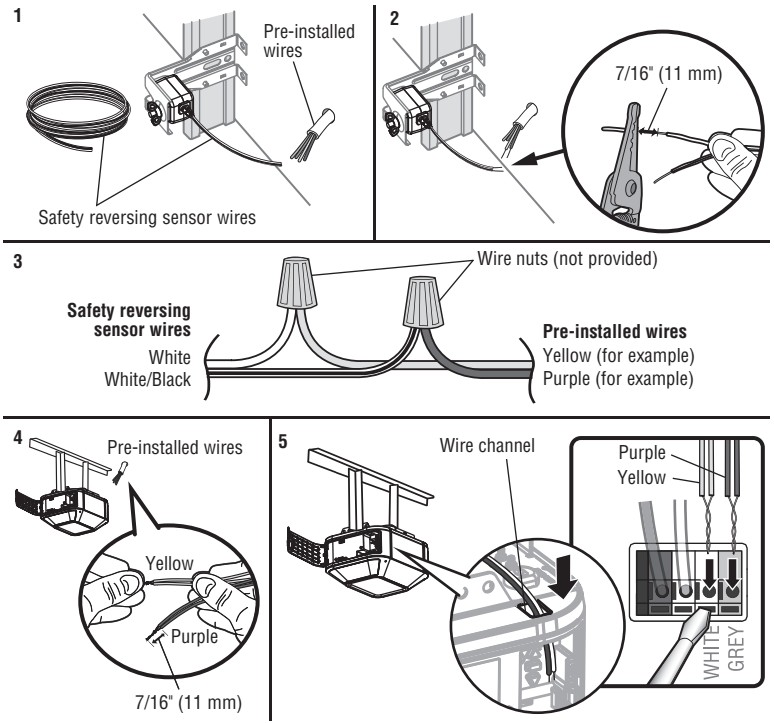
1. Run the wire from both sensors to the garage door opener. Attach with staples, but DO NOT puncture the wire.
2. Separate the sensor wires and strip insulation from each end. Twist the two white wires together. Then twist the two white/black wires together.
3. Using a screwdriver, push in the terminal tabs, and insert the white wires into the white terminal. Insert the white/black wires into the grey terminal.



Install the Protector System®

OPTION B - PRE-WIRED INSTALLATION

1. Cut the sensor wires, making sure there is enough wire to reach the pre-installed wires from the wall.
2. Separate the sensor wires and strip insulation from each end. Choose two of the pre-installed wires and strip insulation from each end. 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.
4. At the garage door opener, strip the end of the wires previously connected to the sensors. Twist the like-colored wires together.
5. Using a screwdriver, push in the terminal tabs, and insert the wire color connected to the sensor's white wire into the white terminal. Insert the other wire color connected to the sensor's white/black wire into the grey terminal.



Power

1 Connect Power

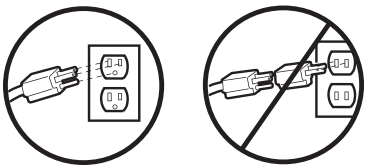
⚠ WARNING

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.

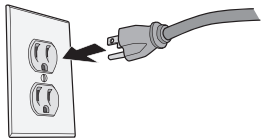


THERE ARE TWO OPTIONS FOR CONNECTING POWER:

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

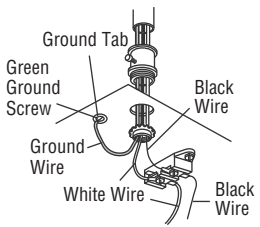


OPTION B - PERMANENT WIRING

If permanent wiring is required by your local code, refer to the following procedure. To make a permanent connection through the 7/8" 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.

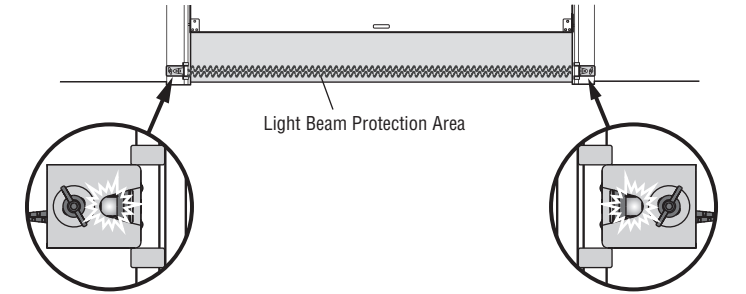
PERMANENT WIRING



2 Align the Safety Reversing Sensors

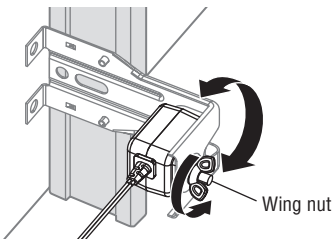
IMPORTANT: The safety reversing sensors MUST be connected and aligned correctly before the garage door opener will move in the down direction.

When the garage door opener has power, check the safety reversing sensors. If the sensors are aligned and wired correctly, both LEDs will glow steadily.



To align the safety reversing sensors:

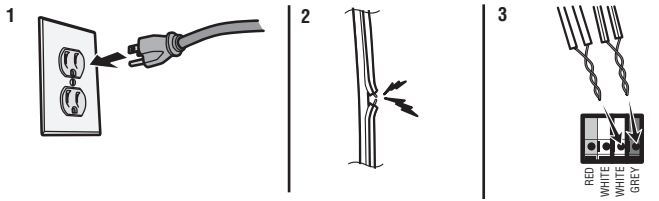
1. Loosen the wing nuts.
2. Adjust the sensors up or down until both LEDs glow steady indicating alignment.
3. Tighten the wing nut to secure the sensor.



SAFETY SENSOR TROUBLESHOOTING

If both sensor LEDs are off, there is no power to the sensors:

1. Check that you have power to the garage door opener.
2. Check the sending sensor (amber LED) wire is not shorted or broken.
3. Check that the sensors are wired correctly; white wires to white terminal and white/black wires to grey terminal.



If the amber sending sensor LED is on, but the green receiving sensor LED is off:

1. Check the receiving sensor (green LED) wire is not shorted or broken.
2. Check that the receiving sensor is wired correctly; white wire to white terminal and white/black wire to grey terminal.

If the amber sending sensor LED is on the green receiving sensor LED is blinking, the sensors are obstructed or misaligned:

1. Check for obstructions in the sensor light beam.
2. Align the sensors.
3. If the receiving sensor (green LED) faces direct sunlight, switch the receiving sensor with the sending sensor and repeat 1 Install the Safety Reversing Sensors page 19 to assure proper operation.

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

Introduction

⚠ WARNING

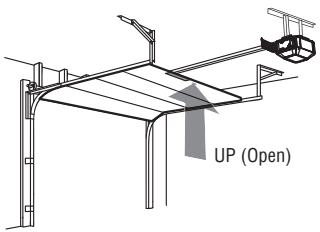
Without a properly installed safety reversal system, persons (particularly small children) could be SERIOUSLY INJURED or KILLED by a closing garage door.

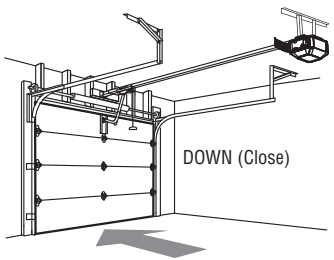
- Incorrect adjustment of garage door travel limits will interfere with proper operation of safety reversal system.
- After ANY adjustments are made, the safety reversal system MUST be tested. Door MUST reverse on contact with 1-1/2" (3.8 cm) high object (or 2x4 laid flat) on floor.

⚠ CAUTION

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

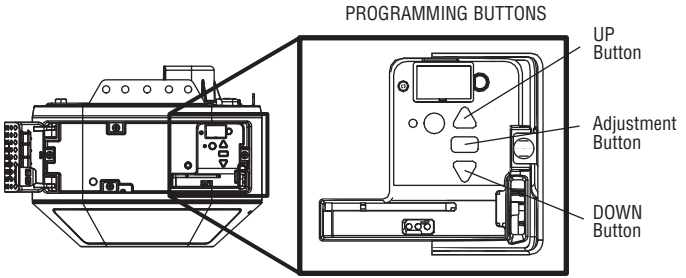
Your garage door opener is designed with electronic controls to make setup and adjustments easy. The adjustments allow you to program where the door will stop in the open (UP) and close (DOWN) position. The electronic controls sense the amount of force required to open and close the door. The force is adjusted automatically when you program the travel.





PROGRAMMING BUTTONS

The programming buttons are located on the 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.



Adjustments

1 Program the Travel

⚠ WARNING

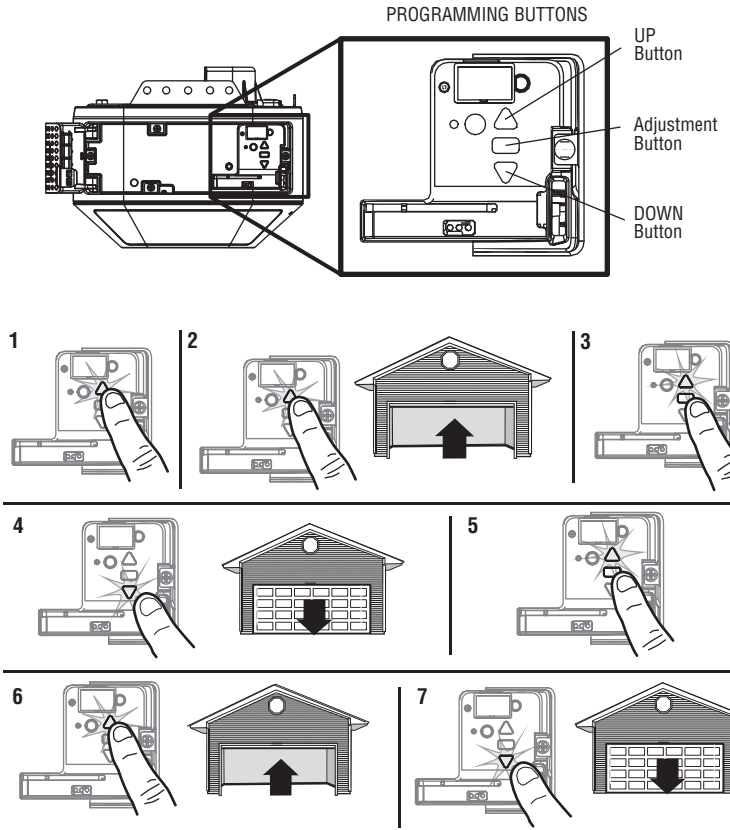
Without a properly installed safety reversal system, persons (particularly small children) could be SERIOUSLY INJURED or KILLED by a closing garage door.

- 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 23). 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 or wall-mounted door control to close the door. The door should stop and reverse when it makes contact with the board. The door returns to the previous open position. Opener beeps and lights flash 5 times.
3. If the door reverses, remove the board. The test is complete.

If the door stops but does not reverse:

1. Review the installation instructions provided to ensure all steps were followed;
2. Refer to Adjustment Step 1 and and set the down limit closer to the garage floor. ***NOTE:*** *On a sectional door, make sure adjustments do not force the door arm beyond a straight up and down position.*
3. Repeat the Safety Reversal test.

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

1

2

3 Test the Protector System®

⚠ WARNING

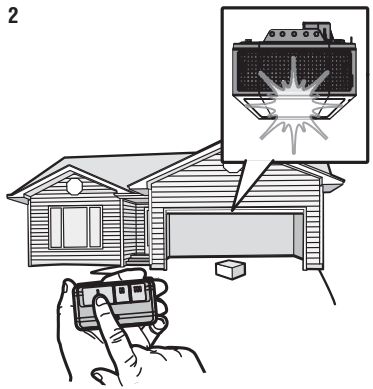
Without a properly installed safety reversing sensor, persons (particularly small children) could be SERIOUSLY INJURED or KILLED by a closing garage door.

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 1" (2.5 cm), the garage door opener lights will flash 10 times, the green LED on the receiving sensor will blink.

The garage door opener will not close from a remote control if the sensor light beam 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" [15 cm] above the floor), call for a trained door systems technician.

1

2



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 3). 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 interference with the proper operation of the garage door opener when using a welder in the garage, unplug garage door opener before operating welder.
14. To avoid SERIOUS PERSONAL INJURY or DEATH from electrocution, disconnect ALL electric power BEFORE performing ANY service or maintenance.
15. 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.
16. 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.

17. 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 (Model 880RGD). 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 18.

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 lights; as the lights turn 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 lights 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.

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 lights on your garage door opener, see page 31.

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® App.

When the door is closed and the garage door opener is activated the door will open. If the door makes contact with an obstruction while opening, the door will stop, opener beeps and lights flash 5 times. 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 makes contact with an obstruction while closing, the door will reverse, opener beeps and lights flash 5 times. 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 accessories. 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, Wi-Fi garage door openers, myQ® light controls, myQ® gate operators or myQ® commercial door operators. A myQ® Internet Gateway (828LG) 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 **(2.4 GHz, 802.11b/g/n required)**, see page 3
- Password for your home network (router's main account, not guest network)
- myQ® serial number located on the garage door opener

DOWNLOAD THE myQ® APP TO SET UP AN ACCOUNT AND CONNECT

Open and close your door, get alerts and set schedules from anywhere. Connected smart garage door openers also receive software updates to ensure the opener has the latest operational features.

The garage door opener must run through a complete cycle before it will activate Wi-Fi® programming.

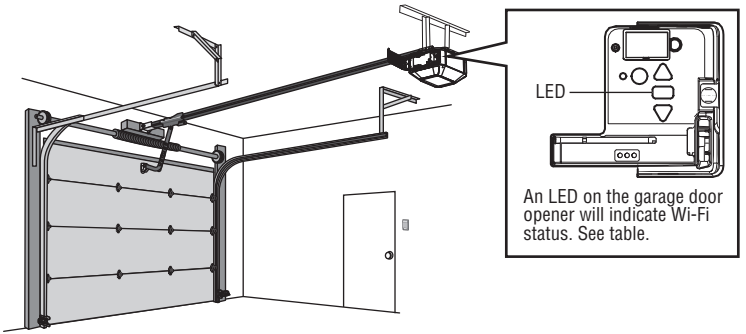
1. Download the myQ® App.
2. Set up an account and connect.

If you already have the myQ® App installed:

1. Check that your mobile device has the latest software.
2. Download the latest version of the myQ® App.

GET IT ON Google Play Download on the App Store

For more information on connecting your garage door opener, visit support.chamberlaingroup.com.



An LED on the garage door opener will indicate Wi-Fi status. See table.

Wi-Fi Status	
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.

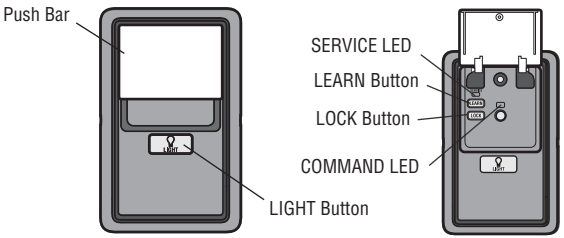
Operation

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.

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.

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

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 pressing the LEARN button on the door control.

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).

AUTOMATIC LIGHT

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

LOCK

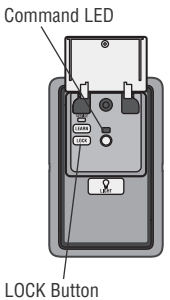
Your remote controls will NOT work when LOCK mode is active however your keyless entry will still allow access to your garage.

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 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	Time 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 intervals repeat the step above.

* Approximately 10 seconds

LIGHT FEATURE (Default is Active)

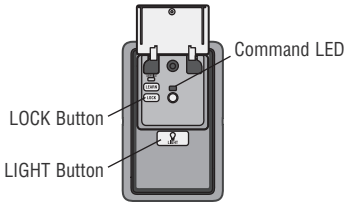
Deactivate:

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.*

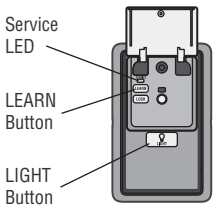
If the command LED is continuously blinking, the LOCK feature needs to be deactivated.



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.



Operation

Remote Control

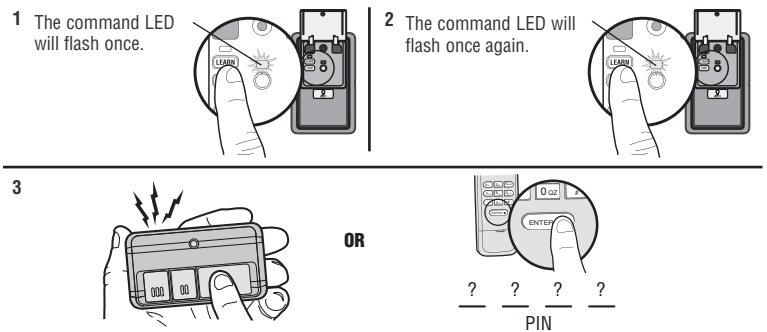
Your remote control has been programmed at the factory to operate with your garage door opener.

Up to 12 Security+ 2.0® remote controls can be programmed to the garage door opener. Older remote controls are NOT compatible, see page 37 for compatible accessories. To program additional accessories refer to the instructions provided with the accessory. 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

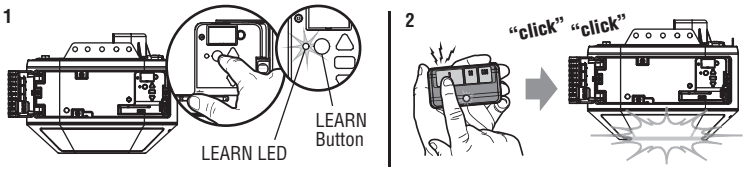
1. Press the LEARN button on the door control to enter Programming Mode.
2. Press the LEARN button again, the LED will flash once.
3. **Remote Control:** Press the button on the remote control that you wish to operate your garage door.
   Keyless Entry: Enter a 4-digit personal identification number (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 for programming additional remote controls or keyless entry devices.



TO ADD, REPROGRAM, OR CHANGE A REMOTE CONTROL USING THE LEARN BUTTON

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

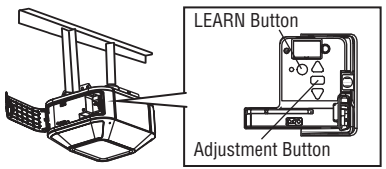
1. Press and hold the LEARN button on garage door opener until the learn LED goes out (approximately 6 seconds). All remote control and keyless entry codes are now erased. Reprogram any accessory you wish to use.

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

1. Press and hold the black adjustment button on the garage door opener until 3 beeps are heard (Approximately 6 seconds).



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.

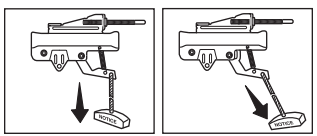
DISCONNECT THE TROLLEY

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 25.
- Test the safety reversal system. Adjust if necessary, see page 26.

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

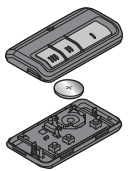
To prevent possible SERIOUS INJURY or DEATH:

- 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: This device complies with part 15 of the FCC rules and Innovation, Science and Economic Development Canada license-exempt RSSs. 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed to ensure a minimum 20 cm (8 in.) distance is maintained between users/bystanders and device.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules and Industry Canada ICES standard. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 lights flash.	Safety reversing 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 lights flash.	There is a short or reversed wire for the safety reversing sensors. Inspect safety sensor wire at all staple and connection points, 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 door control wires at all staple and connection points, replace wire or correct as needed.
1	4	The garage door opener will not close and the lights flash.	Safety reversing sensors are misaligned or were momentarily obstructed. Realign both sensors until both LEDs are glowing steady. Make sure nothing is hanging or mounted on the door that would interrupt the sensor's 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 coasts after it has come to a complete stop.	Program travel to coasting position or have door balanced by a trained door systems 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 or reverses. Opener beeps and lights flash.	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 25).
4	5	Opener runs approximately 6-8" (15-20 cm), stops and reverses.	Communication error to travel module. Check travel module connections, replace travel module if necessary.
4	6	The garage door opener will not close and the lights flash.	Safety reversing 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 29 to activate Wi-Fi® learn mode.

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

- Weak Wi-Fi® signal in the garage. Ensure the Wi-Fi® signal is reaching the garage, see 3 or visitsupport.chamberlaingroup.com for more information.

My door will not close and the lights blink on my opener:

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

- Check for binding or obstructions anywhere along the track to garage floor.
- The safety reversing sensor must be connected and aligned correctly before the garage door opener will move in the down direction.
  - Verify the safety reversing sensors are properly installed, aligned and free of any obstructions.
  - If the receiving sensor (green LED) faces direct sunlight, switch the receiving sensor with the sending sensor so the receiving sensor is not in direct sunlight.

LEDs are not working:

Unplug the garage door opener. Remove the cover and make sure the LED wiring is connected.

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:

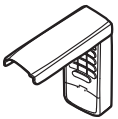
Replace an existing wall switch to control home lighting using your smartphone or garage door opener remote control. Smartphone control requires a connected myQ® account.

825LM

Remote Light Control:

Plug into any interior lamp to control home lighting using your smartphone or garage door opener remote control. Smartphone control requires a connected myQ® account.

877MGX



MAX Wireless Keyless Entry:

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

819LMB

myQ® Home Bridge:

Add Apple® HomeKit™ compatibility to your myQ® enabled garage door opener. Use Siri® to open, close and check the status of your door.

Apple is a trademark of Apple Inc., registered in the U.S. and other countries. HomeKit is a trademark of Apple Inc.

975LM

Laser Garage Parking Assist:

Laser enables homeowners to precisely park vehicles in the garage.

893RGX

3-Button MAX Remote Control:

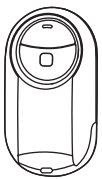
Compatible with Raynor garage door openers manufactured since 1993. Includes visor clip.

891RGD

1-Button Premium MAX Remote Control:

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

374UT



Mini Universal Remote Control:

The Mini Universal Remote Control can be programmed to activate up to two products, such as a garage door opener, myQ® light controls, gate operator, or commercial door operator.

880RGD

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.

882RGDW

Multi-Function Control Panel:

Security+ 2.0 and Wi-Fi compatible.

375UT

Universal Remote Control:

The Universal Remote Control can be programmed to activate up to two products, such as a garage door opener, gate operator, or commercial door operator.

Warranty

RAYNOR® LIMITED WARRANTY

Raynor® ("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					
Model	**Parts**	**Motor**	**Accessories**	**Belt**	**Integrated LED Light Module**
84501RGD	1 year	Lifetime	1 year	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.

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 APPLICABLE LIMITED WARRANTY PERIOD SET FORTH ABOVE FOR THE RELATED COMPONENT(S), AND NO IMPLIED WARRANTIES WILL EXIST OR APPLY AFTER SUCH PERIOD. Some States and Provinces 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 CONSUMABLE ITEMS (E.G., BATTERIES IN REMOTE CONTROL TRANSMITTERS), 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. 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.

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.

Automatic Garage Door Opener Safety & Maintenance Guide

Garage Door Opener Safety – An Automatic Decision

A garage door is the largest moving object in the home. An improperly adjusted garage door and opener can exert deadly force when the door closes – which could lead to entrapment of children or adults and subsequent injury or death.

Proper installation, operation, maintenance, and testing of the garage door and automatic opener are necessary to provide a safe, trouble-free system. Careless operation or allowing children to play with or use garage door opener controls are also dangerous situations that can lead to tragic results. A few simple precautions can protect your family and friends from potential harm. Please review the safety and maintenance tips in this guide carefully and keep it for reference. Check the operation of your garage door and opener to ensure they function in a safe and trouble-free manner. Be sure to read all Important Safety Information found in your garage door opener's manual as it provides more details and safety considerations than can be supplied with this guide.

Garage Door Openers are Not Toys

Discuss garage door and opener safety with your children. Explain the danger of being trapped under the door.

Stay away from a moving door.

The wall-mounted push button should be out of reach of children, at least 5 feet from the nearest standing surface and away from all moving parts. Mount and use the button where you can clearly see the closing garage door.

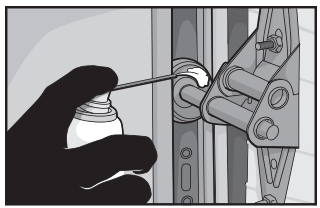
Keep transmitters and remote controls out of reach of children. Do not let children play with or use transmitters or other remote control devices.

Keep the door in sight until it completely closes when using the wall-mounted push button or transmitter.

Routine Maintenance Can Prevent Tragedies

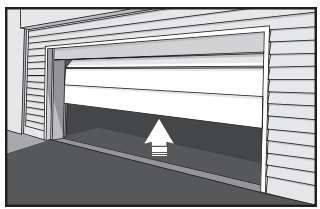
Make monthly inspection and testing of your garage door and opener system a part of your regular routine. Review your owner's manual for both the door and door opener. If you don't have the owner's manuals, contact the manufacturer(s) and request a copy for your specific model(s). Look for the opener model number on the back of the power unit.

WARNING – SPRINGS ARE UNDER HIGH TENSION. ONLY QUALIFIED INDIVIDUALS SHOULD ADJUST THEM.



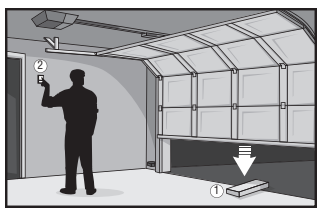
Visually check the door and installation:

- Starting with the door in the closed position, use the manual disconnect on the opener to disconnect the door.
- Look for signs of wear or damage on hinges, rollers, springs, and door panels.
- These parts may require periodic lubrication. Check the owner's manual for suggested maintenance.
- If any signs of damage are evident, contact a trained door systems technician for assistance.
- Verify the photoeye height is no higher than 6" from the garage floor.



Test the door for proper operation:

- Open and close the door manually using handles or suitable gripping points.
- The door should move freely and without difficulty.
- **The door should balance and stay partially open 3–4 feet above the floor.**
- If you detect any signs of improper operation, contact a trained door systems technician for assistance.



Test the opener safety features:

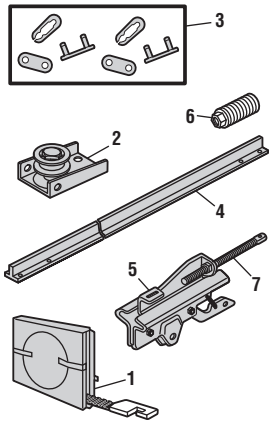
- Reconnect the opener to the door using the manual disconnect and open the door.
- Place a 2x4 board flat in the path of the door (1) and try to close it (2). The door should stop when it comes in contact with the 2x4 and then reverse direction.
- Block the photoelectric sensor by waving an object in front of the sensor and attempt to close the door. The door should not close unless the wall-mounted push button is manually held during operation.
- If the opener does not perform as described, contact a trained door systems technician for assistance.

DASMA®
Door & Access Systems Manufacturers Association International

Repair Parts

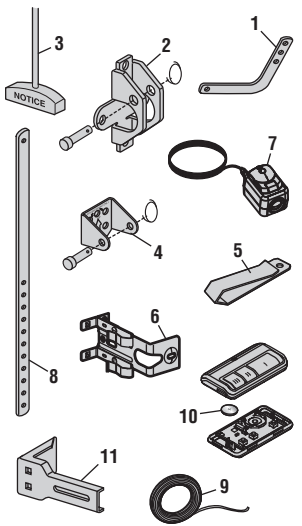
Rail Assembly Parts

	Description	Part Number
1	Belt - for 7 foot door	041A5434-11A
	Belt - for 8 foot door	041A5434-13A
	Belt - for 10 foot door	041A5434-14A
2	Belt Pulley Bracket	041B5424
3	Master link	004A1008
4	One-Piece Rail 7 feet (2.1 m)	2777BD
	One-Piece Rail 8 feet (2.4 m)	2778BD
	One-Piece Rail 10 feet (3 m)	2770BD
5	Trolley Assembly Includes: Master Link (2), Clevis Pin (1), Ring (1), Belt Clip (1), Threaded Shaft (1), and Tensioner Assembly (1)	041B3869-3A
6	Tensioner Assembly	041B4103
7	Trolley Threaded Shaft	041A6689



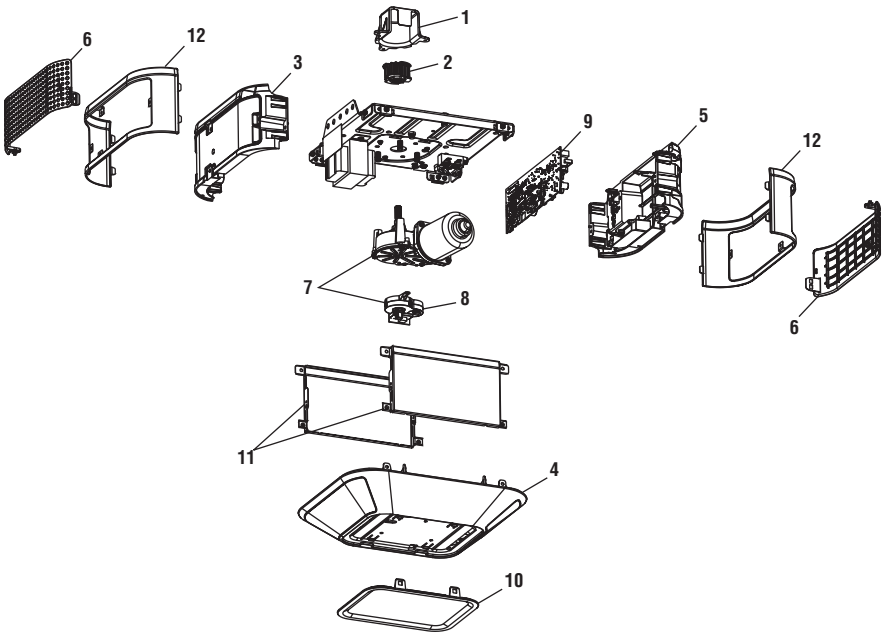
Installation Parts

	Description	Part Number
1	Curved door arm	041B0035B
2	Door bracket with clevis pin and fastener	041A5047-1
3	Emergency release rope and handle	041A2828
4	Header bracket with clevis pin and fastener	041A4353-1
5	Remote control visor clip	K029B0137
6	Safety sensor bracket	041-0155-000
7	Safety sensor kit with receiving and sending sensors with 3 feet (.9 m) 2-conductor wire	041-0136-000
8	Straight door arm	4178B0034B
9	White and red/white wire	041B4494-1
10	3V CR2032 lithium battery	K010A0020
11	Extension bracket (optional)	041A5281-1
	Not Shown	
	Installation hardware bag	041A2770-6
	Owner's Manual	114-5523-000



Repair Parts

Garage Door Opener Parts



	Description	Part Number
1	Sprocket cover	041A4371
2	Gear and sprocket	041A4885-5
3	End panel	041-0184-000
4	Integrated LED Light Module	041-0189-000
5	Logic board end panel	041-0183-000
6	Control door panel	041-0192-000
7	Motor with travel module	041-0236-000
8	Travel module	041D7742-7
9	Logic board	050DCTB
10	Badge	041-0196-000
11	Cover	041-0207-000
12	End panel cladding	041-0208-000
	Not Shown	
	Wire harness	041-0180-000

CONTACT INFORMATION

Address repair parts order to:
Raynor Garage Doors
1101 E. River Rd.
Dixon, Illinois 61021

For installation and service information call:
1-800-472-9667
Or visit us online at:
www.raynor.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.

Notes

114-5523-000