CHAMBERLAIN®
Smart Garage Opener

Installation Manual

CRITICAL INFORMATION PLEASE READ BEFORE ASSEMBLY AND INSTALLATION

Chain Drive Garage Door Opener

Models C253 C253C C273 C450 C450C C870

Go to chamberlain.com/chain-install to see installation videos.

- 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.
- DO NOT INSTALL on one-piece door if using devices or features providing unattended close. Unattended devices and features are to be used ONLY with sectional doors.

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.

LEGEND

- myQ® App Control
- Assembly
- How to Install and Replace Light Bulbs
- Adjustments
- Two people recommended to complete step
- Pre-Installation
- Installation
- Electrical and Wiring
- Refer to Installation Manual

SAFETY SYMBOL REVIEW 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.

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.

⚠ WARNING

Mechanical

⚠ WARNING

Electrical

⚠ 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*

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.

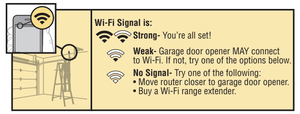
myQ® APP CONTROL

Open and close your garage door from your smartphone. Get alerted any time your garage opens, closes or is left open. Set a schedule for your garage to close at a certain time. Connected smart garage door openers also receive software updates to ensure the opener has the latest operational features.

TEST WI-FI® SIGNAL

You will need a router with Wi-Fi and a smartphone or other mobile device. 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.

HOW STRONG IS YOUR WI-FI SIGNAL?



- **Strong** - Continue to **Check Door**.
- **Weak** - If garage door opener does not connect, try options for no signal.
- **No Signal** - Move router or install a Wi-Fi range extender.

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.

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

When you have completed the installation in this quickstart, add your garage door opener in the myQ® App.

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

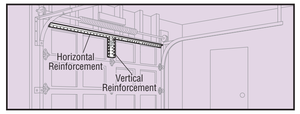
PRE-INSTALLATION CHECKLIST

CHECK DOOR

Lift the door halfway up. Release the door. If balanced, it should stay in place. Raise and lower the door to check for binding or sticking. Is your door balanced and is it free from binding or sticking?

- **Yes** - Continue to **Door Reinforcement**.
- **No** - Contact a trained door systems technician.

DOOR REINFORCEMENT

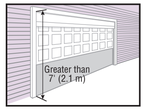


Verify the door has adequate support. Horizontal and vertical reinforcements (not provided) are needed for lightweight garage doors (fiberglass, aluminum, steel, doors with glass panel, etc.). A horizontal reinforcement brace should be long enough to be secured to two or three vertical supports. A vertical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

Is the garage door reinforced?

- **Yes** - Continue to **Door Height**.
- **No** - Lightweight garage doors REQUIRE reinforcement. Contact the garage door manufacturer or installing dealer for opener reinforcement instructions or reinforcement kit.

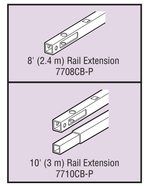
DOOR HEIGHT



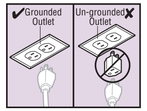
Is door taller than 7' (2.1 m)?

- **Yes** - You will need a rail extension kit.
- **No** - Continue to **Power Connections**

Rail Extension Kits (sold separately)



POWER CONNECTIONS



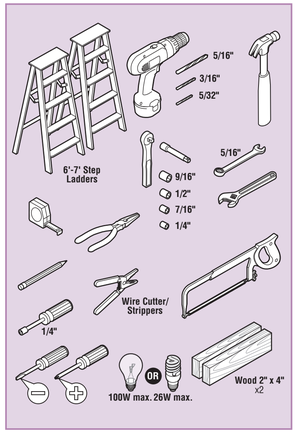
Do you have a grounded outlet?

- **Yes** - Continue to **ASSEMBLY**.
- **No** - Call an electrician. **DO NOT** use an extension cord.

If the plug doesn't fit into the outlet you have, contact a qualified electrician to install the proper outlet.

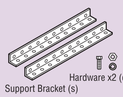
If permanent wiring is required by your local code, see the Installation Options in the Owner's Manual.

TOOLS REQUIRED



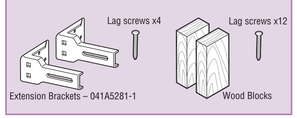
ITEMS THAT MAY BE NEEDED

Installation Mounting



Support Bracket (s)

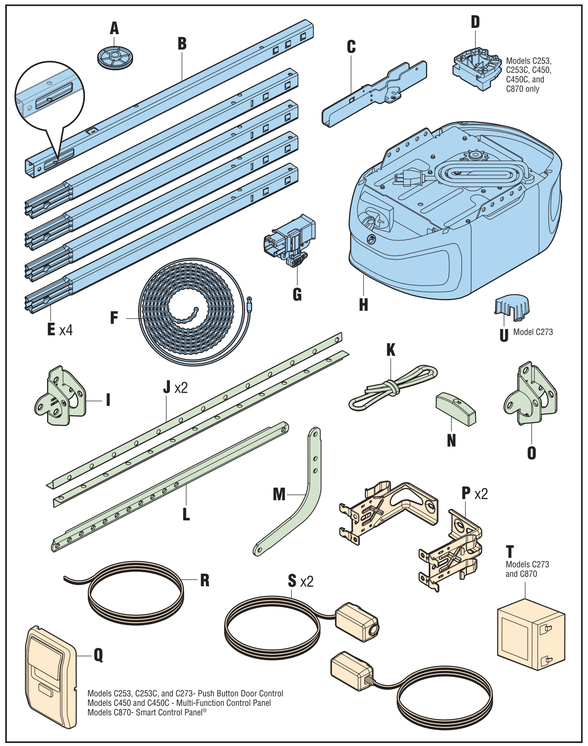
Safety Sensor Extension



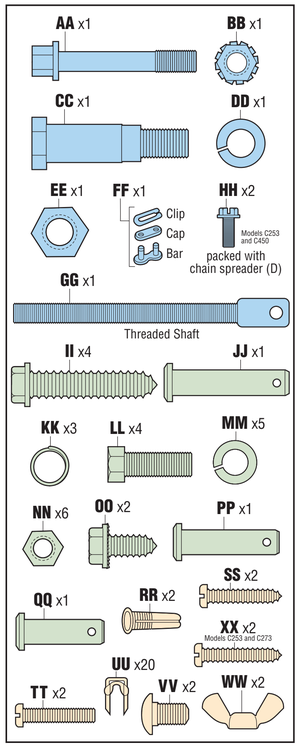
Extension Brackets – 041A5281-1

Wood Blocks

PACKAGE CONTENTS



HARDWARE



ASSEMBLY

After completion of the following steps, unit should look like this.

⚠ 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.

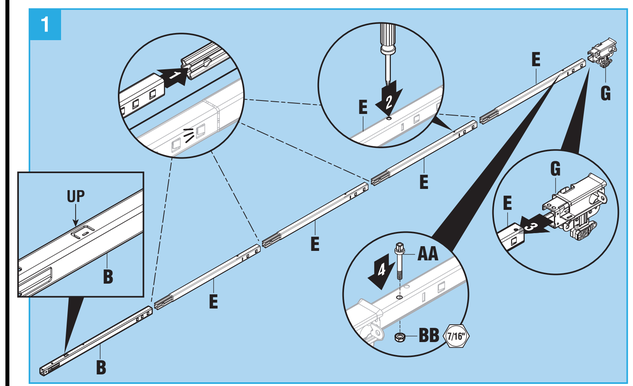
NOTE: *To avoid installation difficulties,* ***DO NOT*** *run the garage door opener until instructed to do so.*

NOTE: *The front rail has a cut out "window" at the door end. The rail tab* ***MUST*** *be on top of the rail when assembled.*

⚠ CAUTION

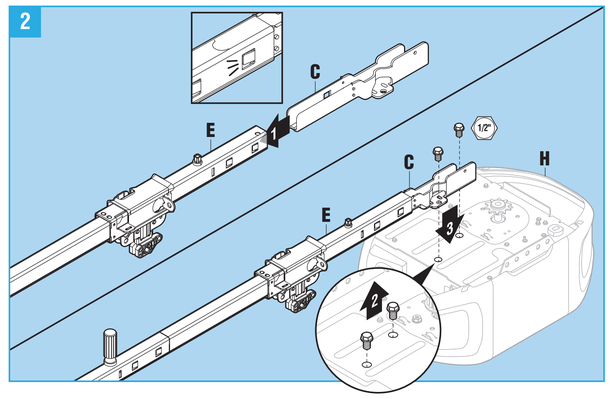
To avoid SERIOUS damage to garage door opener, use ONLY those bolts/fasteners mounted in the top of the opener.

1



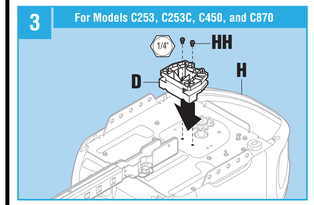
1. Assemble the front rail (B) to center rail (E). Assemble three remaining center rails to railing assembly. It may require some effort (such as rubber mallet) to snap rails into place. **2.** Insert a screwdriver into the hole on second to last center rail (E). This will provide a temporary stop for the trolley (G). **3.** Slide the trolley (G) onto the last center rail (E). **4.** Insert bolt (AA) into the hole on the last center rail. Using a 7/16" wrench or socket, secure with lock nut (BB).

2



1. Slide "U" bracket (C) into the last center rail (E). "U" bracket will snap into place. **2.** Remove the two bolts from the opener (H). Use the opener carton to hold the opener in place. **3.** Using a 1/2" wrench or socket, attach "U" bracket (C) with previously removed bolts.

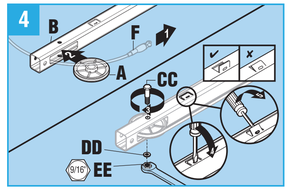
3 For Models C253, C253C, C450, and C870



NOTE: *Skip this step for model C273.*

Using a 1/4" socket or nut driver, attach chain spreader (D) to the opener (H) using two screws (HH).

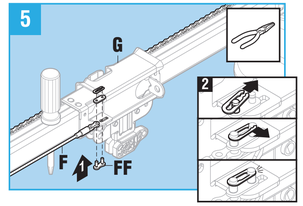
4



1. Insert trolley connector end of chain (F) through front rail (B) then **2.** insert idler pulley (A).

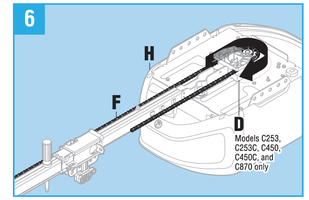
3. Using a 9/16" wrench or socket, secure idler pulley (A) with bolt (CC), lock washer (DD), and nut (EE). **4.** Insert a flathead screwdriver in the rail tab. **5.** Lift the rail tab 90°.

5



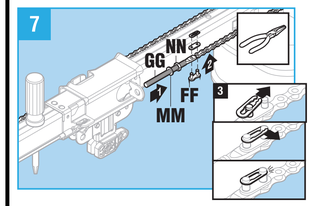
1. Attach trolley connector of chain (F) to the trolley (G) with master link (FF) bar. **2.** Secure bar with master link cap and clip. **TIP:** Use needle nose pliers to secure the clip onto the bar.

6



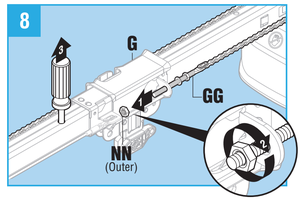
Feed the other end of the chain (F) through the chain spreader (D) and around the sprocket on opener (H), ensure chain is not twisted and engaging the sprocket teeth.

7



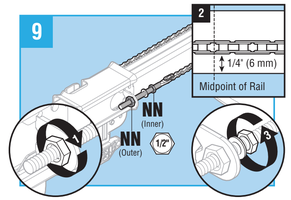
1. Install a nut (NN) and washer (MM) onto threaded shaft (GG). **2.** Attach remaining end of chain (F) to the threaded shaft (GG) with master link (FF) bar. **3.** Secure bar with master link cap and clip. **TIP:** Use needle nose pliers to secure the clip onto the bar.

8



1. Insert threaded shaft (GG) through the hole in trolley (G). **2.** Hand tighten outer nut (NN). **3.** Remove screwdriver. **Note:** Make sure inner nut and washer are away from trolley.

9



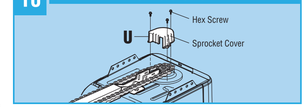
1. Using a 1/2" wrench, tighten the outer nut (NN) until the chain on the opposite side of the rail **2.** is 1/4" (6 mm) above bottom of the rail at its midpoint. **3.** Fully tighten the inner nut (NN) until washer and nut are flush against trolley to secure the adjustment.

⚠ 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.

10 For Model C273



1. Position the sprocket cover over the sprocket as shown and fasten to the mounting plate with #8x3/8" hex screws provided.

INSTALLATION

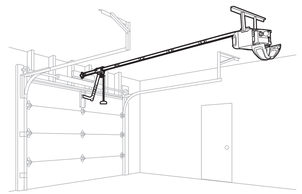
IMPORTANT INSTALLATION INSTRUCTIONS

⚠ ⚠ WARNING

To reduce the risk of SEVERE INJURY or DEATH:

1. READ AND FOLLOW ALL INSTALLATION WARNINGS AND INSTRUCTIONS.
2. Install garage door opener ONLY on properly balanced and lubricated garage door. An improperly balanced door may NOT reverse when required and could result in SEVERE INJURY or DEATH.
3. ALL repairs to cables, spring assemblies and other hardware MUST be made by a trained door systems technician BEFORE installing opener.
4. Disable ALL locks and remove ALL ropes connected to garage door BEFORE installing opener to avoid entanglement.
5. 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.

14. SAVE THESE INSTRUCTIONS.



After completion of the following, steps unit should look like this.

⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH:

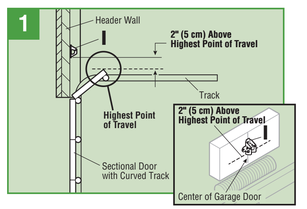
- Header bracket MUST be RIGIDLY fastened to structural support on header wall or ceiling, otherwise garage door might NOT reverse when required. DO NOT install header bracket over drywall.
- Concrete anchors MUST be used if mounting header bracket or 2x4 into masonry.
- NEVER try to loosen, move or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

If you are replacing a LiftMaster®, Chamberlain®, or Craftsman® garage door opener you may use the existing header bracket (I). Verify the bracket is in the correct location:

1. The bracket is securely fastened to a structural support.
2. The bracket is centered to the door.
3. The bottom edge of the bracket is 2" above the highest point of door travel.

To install the provided header bracket, see Installation step 1 in the User's Guide.

1



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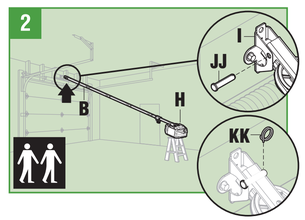
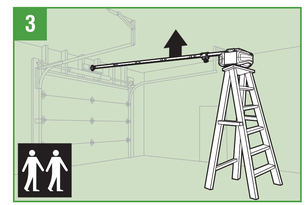


Place opener (H) on a protective base (i.e. cardboard, stool, etc.) and lift front rail (B) up towards header bracket. Attach front rail to header bracket (I) with 1-1/2" clevis pin (JJ). Secure with ring fastener (KK).

3



Lift garage door opener onto a ladder.

INSTALLATION (CONTINUED)

⚠ CAUTION

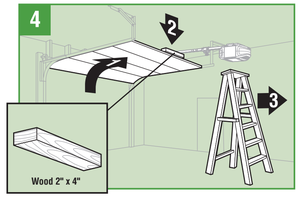
To prevent damage to garage door, rest garage door opener rail on 2x4 placed on top section of door.

NOTE: *A 2" x 4" is ideal for setting the distance between the rail and the door. Rail will slope slightly. It should* ***NOT*** *be level.*

NOTE: *If the ladder is not tall enough, a second person will be required.*

NOTE: *If the door hits the trolley (G) 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.*

4

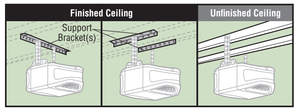


1. Open garage door. **2.** Place a 2" x 4" on top of garage door, under the rail **3.** then remove ladder. This will set the proper height of the garage door opener.

NOTE: *Before proceeding, make sure garage door opener is aligned perpendicular with header bracket.*

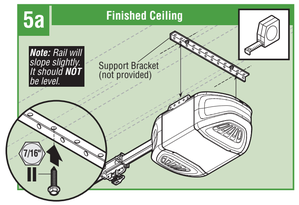
⚠ WARNING

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.



If you are replacing an existing garage opener, the current support bracket should be accurate and you may already have hanging brackets installed. Ensure any reused structural supports are positioned accurately. Fasten the garage door opener to your existing hanging brackets, the rail should slope slightly, it should not be level. Reference steps 5 through 7 for further assistance.

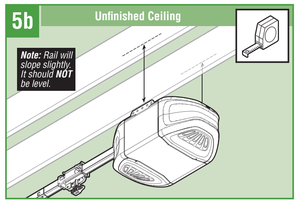
5a



Using a drill and 7/16" wrench or socket, attach support bracket (not provided) to structural supports with screws (II). Measure distance from each side of garage door opener to support bracket.

NOTE: *Rail will slope slightly. It should NOT be level.*

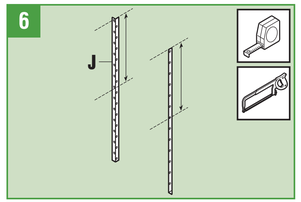
5b



Measure distance from each side of garage door opener to structural support.

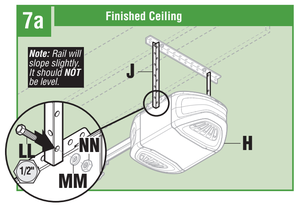
NOTE: *Rail will slope slightly. It should NOT be level.*

6



Cut both hanging brackets (J) to required lengths only if needed.

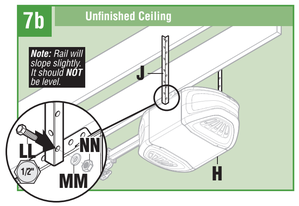
7a



Using a 1/2" wrench or socket, attach each side of hanging brackets to opener (H) with provided bolts (LL), lockwashers (MM) and nuts (NN).

NOTE: *Rail will slope slightly. It should NOT be level.*

7b



Using a 1/2" wrench or socket, attach each side of hanging brackets to opener (H) with provided bolts (LL), lockwashers (MM) and nuts (NN).

NOTE: *Rail will slope slightly. It should NOT be level.*

⚠ WARNING

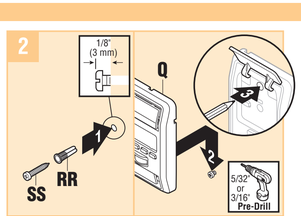
To prevent possible SERIOUS INJURY or DEATH from a falling garage door opener:

- 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.

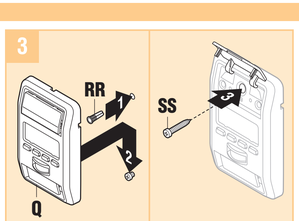
Insert one end of emergency release rope (K) to handle (N). Make sure "NOTICE" is right side up. Secure with an overhand knot at least 1" (2.5 cm) from end. Insert other end of rope through hole in trolley (G) release arm. Mount emergency release handle within reach, but at least 6' (1.83 m) above floor, avoiding contact with vehicles to prevent accidental release. 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.*

8



9



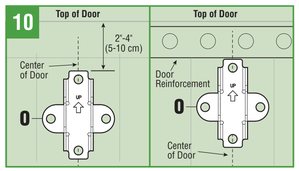
Close the door. Using emergency release rope handle (N), pull trolley (G) release arm down to disconnect the trolley.

⚠ 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.

Verify the door has adequate support, see Pre-Installation Checklist.

10

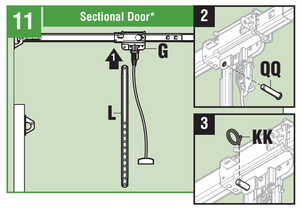


If you are replacing a LiftMaster®, Chamberlain®, or Craftsman® garage door opener you may use the existing door bracket (O). Verify the bracket is in the correct location:

- The bracket is centered on the door.
- The top edge of the bracket is 2"-4" (5-10 cm) below the top edge of the door, **OR** directly below any structural support across the top of the door.

To install the provided door bracket, see Installation step 10 in the User's Guide.

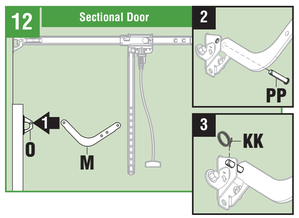
11



1. Attach straight door arm (L) to trolley (G) with **2.** 1" devis pin (QQ). **3.** Secure with ring fastener (KK).

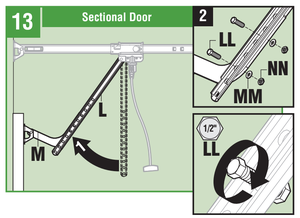
**For one-piece door installations see Installation step 11 in the User's Guide.*

12



1. Attach curved door arm (M) to door bracket (O) **2.** with 1-1/4" devis pin (PP). **3.** Secure with ring fastener (KK).

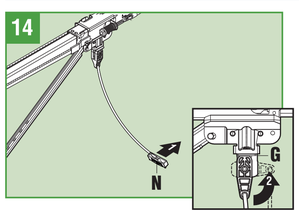
13



1. Using a 1/2" wrench or socket, attach straight door arm (L) to curved door arm (M) with **2.** two bolts (LL), lock washers (MM), and nuts (NN).

NOTE: *Groove on straight door arm MUST face away from curved door arm.*

14



1. Pull the emergency release handle (N) toward the garage door opener until **2.** the trolley release arm (G) is horizontal. The trolley will re-engage automatically when the garage door opener is activated.

HOW TO INSTALL AND REPLACE LIGHT BULBS

⚠ CAUTION

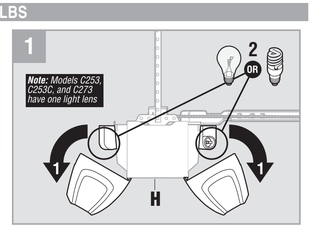
To prevent possible OVERHEATING of the end panel or light socket:

- 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.
- DO NOT use LED bulbs

1. Pull light lens down. **2.** Insert incandescent light bulb (100W max.) or compact fluorescent (26W max.) Close light lens.

NOTE: *DO NOT use halogen, short neck, or specialty light bulbs. LED bulbs may reduce remote range. Visit chamberlain.com/bulb to learn more.*

1



ELECTRICAL AND WIRING

⚠ ⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution:

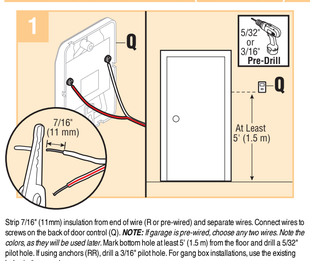
- Be sure power is NOT connected BEFORE installing door control.
- Connect door control ONLY to 12 VOLT low voltage wires.

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.

ELECTRICAL AND WIRING (CONTINUED)

1



Strip 7/16" (11mm) insulation from end of wire (R or pre-wired) and separate wires. Connect wires to screws on the back of door control (Q). ***NOTE:*** *If garage is pre-wired, choose any two wires. Note the colors, as they will be used later.* Mark bottom hole at least 5' (1.5 m) from the floor and drill a 5/32" pilot hole. If using anchors (RR), drill a 3/16" pilot hole. For gang box installations, use the existing holes in the gang box.

2

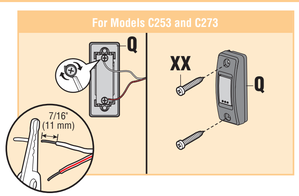
1. Insert anchor (RR) (if needed) and screw (SS), leaving 1/8" (0.3 cm) protruding from wall. **2.** Attach door control (Q) to screw. **3.** Lift cover and mark top hole. Remove door control and drill 5/32" pilot hole. If using anchors (RR), drill a 3/16" pilot hole.

NOTE: *The images are for reference only and your product may look different.*

3

1. Insert anchor (RR) (if needed) and **2.** attach door control (Q) on bottom screw. **3.** Secure top with screw (SS).

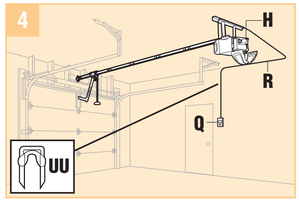
For Models C253 and C273



Strip 7/16" (11mm) insulation from end of wire (R or pre-wired) and separate wires. Connect wires to screws on the back of door control (Q). ***NOTE:*** *If garage is pre-wired, choose any two wires. Note the colors, as they will be used later.* Mark bottom hole at least 5' (1.5 m) from the floor and drill a 5/32" pilot hole. If using anchors (RR), drill a 3/16" pilot hole. Connect one wire to each of the two screws on the back of the door control. The wires can be connected to either screw. Mount the door control with the hardware provided.

ELECTRICAL AND WIRING (CONTINUED)

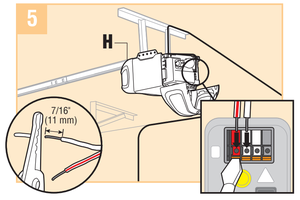
4



If not using gang box or pre-wired installations, run wire (R) from door control (Q) to opener (H) and secure with staples (UU).

NOTE: *DO NOT pierce wire with staples. This can cause a short or an open circuit.*

5



Strip 7/16" (11mm) insulation from end of wire (R or pre-wired) and separate wires. Push the tab on the terminal with a screwdriver. Insert the wires to the red and white terminals.

NOTE: *If garage is pre-wired, use the same wires connected to door control (Q).*

⚠ WARNING

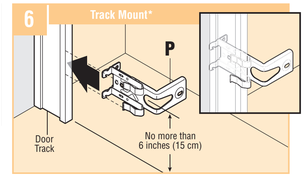
Be sure power is NOT connected to the garage door opener BEFORE installing the safety reversing sensor.

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.

After completion of the previous steps, unit should look like this.

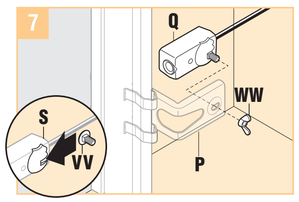
6



Slide the curved arms of sensor brackets (P) around edge of door track. Snap into place. Make sure safety reversing sensors (S) are no more than 6 inches (15 cm) above the floor and the light beam is unobstructed.

**For alternate mounting options, see Electrical and Wiring step 8 in the User's Guide.*

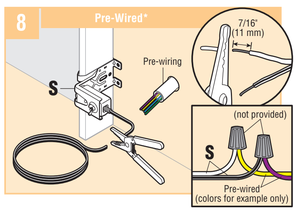
7



NOTE: *If one side of garage door is in direct sunlight, install sending safety reversing sensor (amber light) on that side.*

Slide one carriage bolt (VV) into the slot on each safety reversing sensor (Q). Secure each safety reversing sensor to sensor brackets (P) with one wing nut (WW). Make sure safety reversing sensors (S) are no more than 6 inches (15 cm) above the floor and the light beam is unobstructed.

8

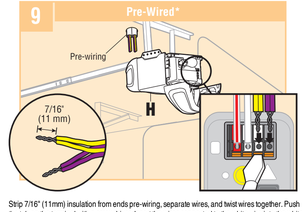


If garage is pre-wired, cut wires on safety reversing sensors (S). Strip 7/16" (11mm) insulation from ends of safety reversing sensor wires and pre-wiring, and separate wires. Connect wires with wire nuts (not provided)

NOTE: *Choose same color pre-wiring for each safety reversing sensor.*

**For installation without pre-wiring, see Electrical and Wiring step 8 in the User's Guide.*

9



Strip 7/16" (11mm) insulation from ends pre-wiring, separate wires, and twist wires together. Push the tab on the terminal with a screwdriver. Insert the wires connected to the white wire into the white terminal. Insert the wires connected to the white/black wire to the gray terminal.

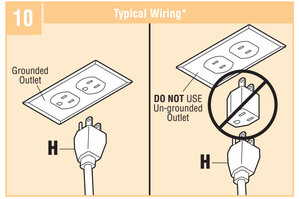
⚠ WARNING

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 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 the outlet you have, contact a qualified electrician to install the proper outlet.

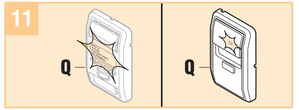
10



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

**If permanent wiring is required by your local code, see Electrical and Wiring step 10 in the User's Guide.*

11



If door control (Q) has been installed and wired correctly, a message will appear on the LCD screen, if equipped, or the LED will flash. Press push bar to sync door control.

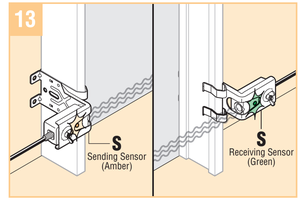
NOTE: *Door control (Q) may look different than illustration.*

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

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

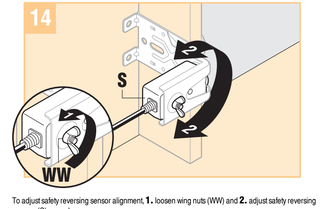
For more information on connecting your garage door opener, visit support.chamberlaingroup.com.

13



If safety reversing sensors (S) are aligned and wired correctly, both LEDs will glow steadily. If LEDs are flashing or not glowing, go to Step 14.

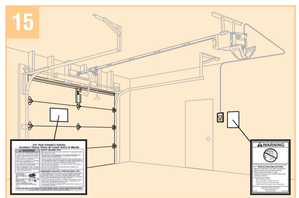
14



To adjust safety reversing sensor alignment, **1.** loosen wing nuts (WW) and **2.** adjust safety reversing sensors (S) up or down.

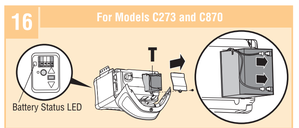
If LEDs are still flashing or not glowing see Electrical and Wiring step 14 in the User's Guide.

15



Attach manual/release safety reverse test label in a visible location on garage door. Attach entrapment warning label on wall near door control (Q).

16



For Battery Backup Models:

Unplug the garage door opener. Remove the battery cover and partially insert the battery with the terminals facing out. Connect red (+) and black (-) wires from the garage door opener to the battery terminals. Replace the battery cover and plug in the garage door opener. The battery status LED will flash green to indicate battery is charging.

For more information about battery backup see Operation in the User's Guide.

ADJUSTMENTS

⚠ WARNING

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

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

⚠ CAUTION

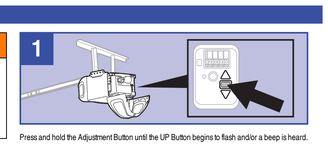
To prevent damage to vehicles, be sure fully open door provides adequate clearance.

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.*

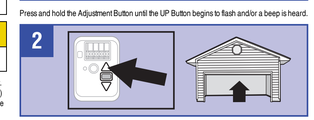
For one-piece door installations see Adjustments in the User's Guide.

1



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

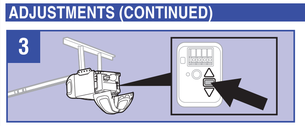
2



Press and hold the UP Button until the door is in the desired UP position.

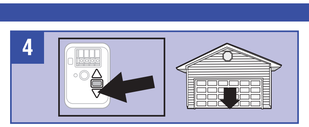
ADJUSTMENTS (CONTINUED)

3



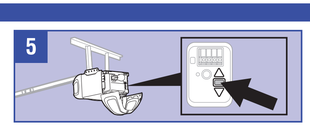
Once the door is in the desired UP position press and release the Adjustment Button. The garage door opener lights will flash twice and the DOWN Button will begin to flash.

4



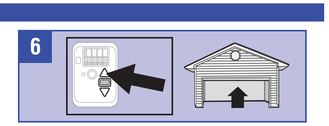
Press and hold the DOWN button until the door is in the desired DOWN position.

5



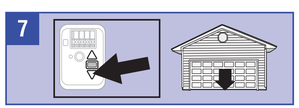
Once the door is in the desired DOWN position press and release the Adjustment Button. The garage door opener lights will flash twice and the UP Button will begin to flash.

6



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

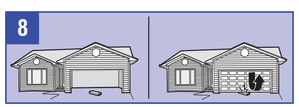
7



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. 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.*

8



Test the Safety Reversal System

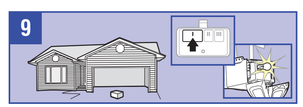
1. With the door fully open, place a 1-1/2 inch (3.8 cm) board (or a 2x4 laid flat) on the floor, centered under the garage door.
2. Press the remote control push button to close the door. The door MUST reverse when it makes contact with the board.

If the door stops but does not reverse:

1. Review the installation instructions provided to insure all steps were followed;
2. Repeat Program the Travel (see Adjustment Step 1);
3. Repeat the Safety Reversal test.

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

9



Test the Protector System

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), 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" [15 cm] above the floor), call for a trained door systems technician.

114-5460-000
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The Chamberlain Group, Inc.
300 Windsor Drive
Oak Brook, IL 60523