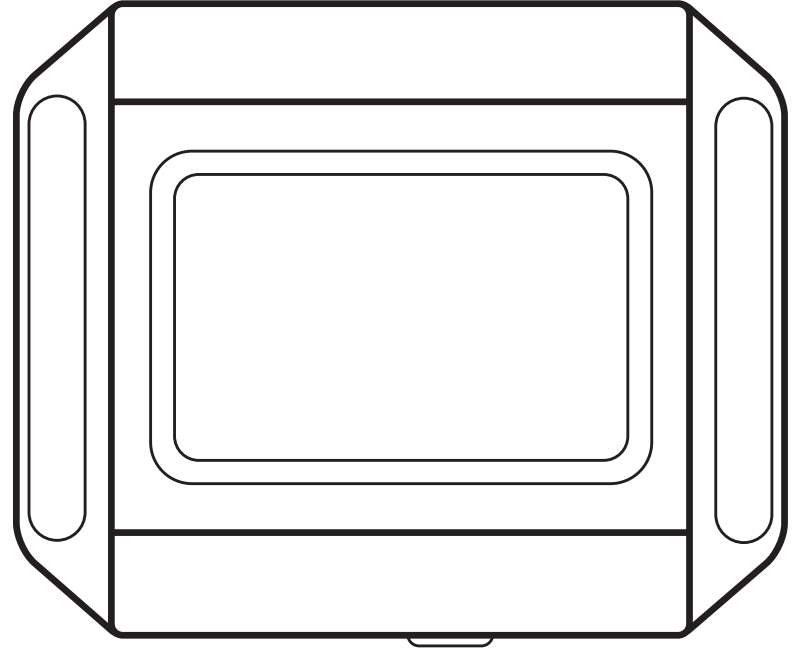


MASTER FORCE™



SMART GARAGE DOOR OPENER USER MANUAL

MODEL #24208
SKU: 425-1674



Customer service: 1.877.436.4402

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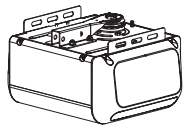
Congratulations on purchasing your Masterforce smart garage door opener. It will provide you with many years of security, safety and convenience. This installation and owner's manual contains complete instructions for installing and operating your garage door opener.

To register your opener, go to:

www.masterforceopeners.com

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CARTON CONTENTS



Power Head

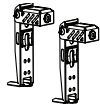


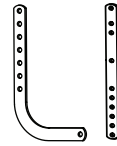
Photo Eye
Safety System



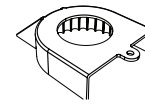
Header Bracket



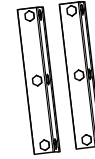
Door Bracket



Door Arms



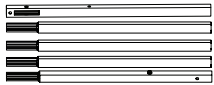
Sprocket Cover



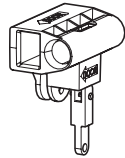
Hanging Bracket



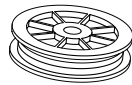
Trolley Shaft/
Belt Assembly



Rail



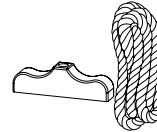
Trolley



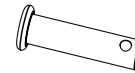
Pulley



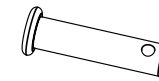
1 x Master Link



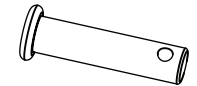
Emergency
Release Handle



2 x Clevis Pins
5/16" x 1"



2x Clevis Pins
5/16" x 1-3/8"



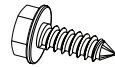
1 x Clevis Pins
3/8" x 1-3/4"



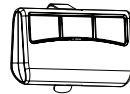
5 x Hitch Pins



7 x Flange Nut



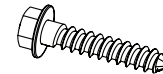
2 x Self-Threading
Screws
1/4" x 5/8"



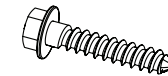
Three Button
Remote



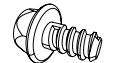
Deluxe
Door Control



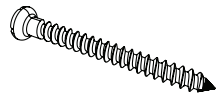
6 x Lag Screws
5/16" - 1/1/2"



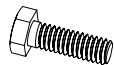
4 x Screws
#12 x 1-1/4"



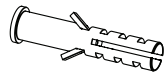
1 x Self-Threading
Screw
#8-18 x 5/16"



2x Screws
#6 x 1-3/8"



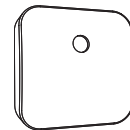
6 x Bolts
5/16" - 18 x 1"



2x Anchors



Insulated Staples



Controller



Wireless Door
Sensor

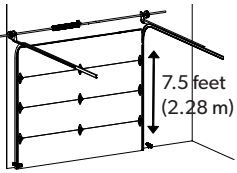


Wireless Keypad

Note: hardware shown is not to scale.

BEFORE YOU BEGIN

Measure door height.



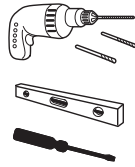
If over 7.5 feet (2.28 m), rail extension kit will be needed. (8 ft. or 10 ft. extension kits available if needed.)

Check mounting locations. Are additional reinforcement materials needed?



See page 3

Check your toolbox. Do you have all the tools needed?



See page 3

Entrapment
Warning Label

! WARNING

Child can be pinned under automatic garage door.
Death or serious injury can result.

- Never let child walk or run under moving door.
- Never let child use door opener controls.
- Always keep moving door in sight.
- If person is pinned, push control button or use emergency release.
- Test door opener monthly:
Refer to your owner's manual.
Place a 1 1/2" / 50mm object (or 2 x 4" / 100 x 50mm laid flat) on floor.
If door fails to reverse on contact, adjust opener.
If opener still fails to reverse door, repair or replace opener.

Do not remove or paint over this label.
Mount wall control out of child's reach
(at least 5 feet / 1.5m above floor).

Place next to wall control. GUST101A-Z

SAFETY INSTRUCTIONS

! WARNING !

To reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Install only on a properly balanced garage door. An improperly balanced door has the potential to inflict severe injury. Have a qualified garage door service technician make repairs to cables, spring assemblies, and other hardware before installing the opener.
3. Remove all ropes and remove or make inoperative all locks connected to the garage door before installing opener.
4. Where possible, install the opener no more than 12" above the height of the closed door. For products having an emergency release, mount the emergency release within reach, but at least 6 feet above the floor and avoiding contact with vehicles to avoid accidental release.
5. Do not connect the opener to source of power until instructed to do so.
6. Install the door control button: (a) within sight of door, (b) at a minimum height of 5 feet so small children are not able to reach it, and (c) away from all moving parts of the door.
7. Install the Entrapment Warning Label (shown in the *Before You Begin* section) next to the wall-mount control button in a prominent location.
8. After installing the opener, the door must reverse when it contacts a 1-1/2 inch (3.8 cm) high object (or a 2x4 board) laid flat on the floor.
9. NEVER try to remove, loosen, move, or adjust garage door, cables, pulleys, brackets, and door springs. All are under EXTREME tension.
10. To reduce the risk of injuries to persons – use this operator only with residential sectional garage doors. Only enable the unattended operation feature when installed with a sectional door.
11. The Smart Door Controller should be used only on sectional doors and with garage door openers made after 1993 with a photo eye safety system.

PREPARE GARAGE DOOR FOR INSTALLATION TOOLS NEEDED

DO NOT RE-USE PARTS AND WIRING FROM AN OLD OPENER. YOUR NEW MASTERFORCE OPENER WILL NOT WORK IF OLD PARTS AND WIRING ARE USED. THIS WILL ALSO VOID THE WARRANTY.

BEFORE beginning installation:

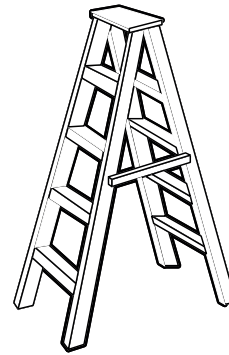
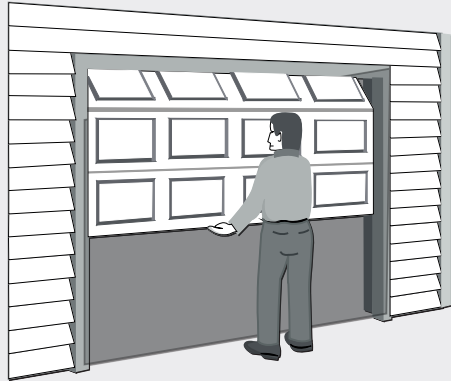
1. Disable locks and disengage trolley from current opener.
2. Perform the following door test to ensure your door is balanced and in good working condition.

Make sure garage door is fully closed before you start the installation

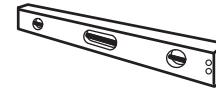
To test your garage door:

1. Raise and lower the door to check if there is any sticking or binding.
2. Check for loose hinges, damaged rollers, frayed cables and damaged or broken springs.
3. Lift the door approximately halfway and release. The door should stay at that point under proper spring tension.

Call a qualified garage door service technician if your door binds, sticks or is unbalanced.



Step Ladder



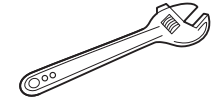
Level



Pencil



Screwdriver



Adjustable Wrench



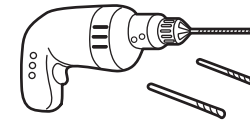
Tape Measure



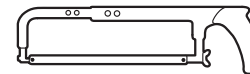
Pliers



Ratchet with
1/4", 7/16" and
1/2" sockets



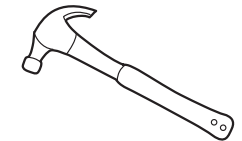
Drill, 3/16" and
5/16" Drill Bits



Hack Saw



Rubber Mallet



Hammer

Note: tools shown are not included.

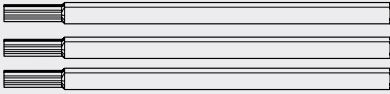
RAIL ASSEMBLY

Look in the box for:

Rail – Header Segment



Rail – Middle Segments x3

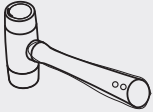


Rail – End Segment



Tools needed:

Rubber Mallet

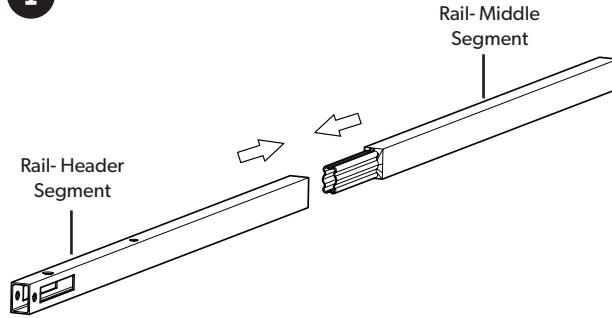


⚠ CAUTION

To prevent INJURY from pinching, keep hands and fingers away from joints when assembling the rail.

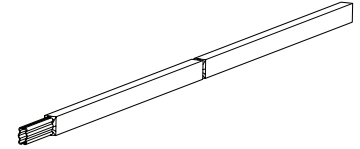
Connect rails starting with the rail header segment. To apply additional force tap gently on the end of the connected rail segments with a rubber mallet or on padded flooring.

1



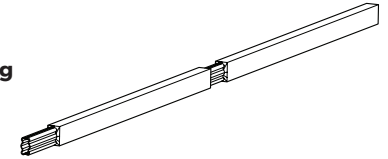
Securely connected by applying force

✓
Right

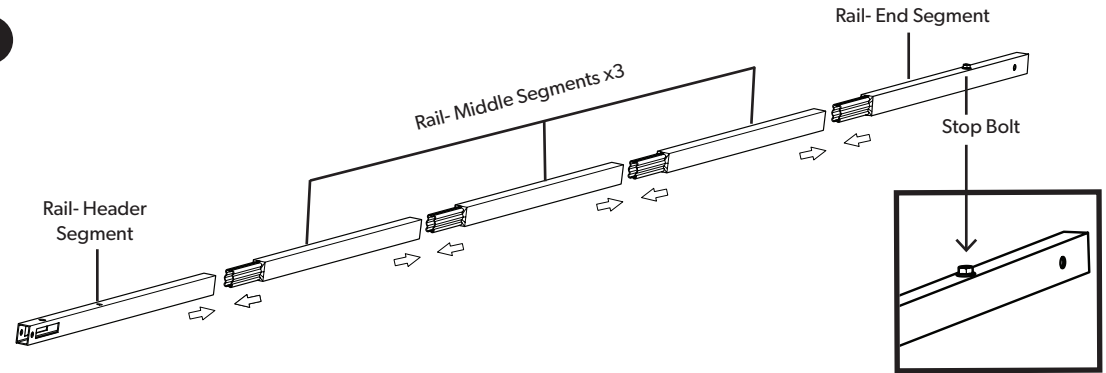


✗
Wrong

Loosely connected



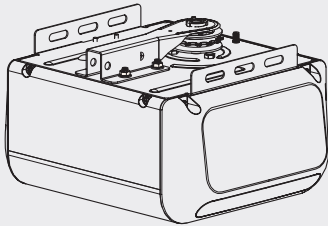
2



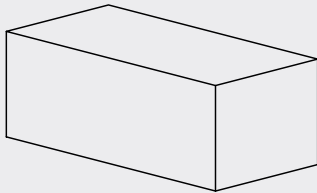
RAIL AND POWER HEAD ASSEMBLY

Look in the box for:

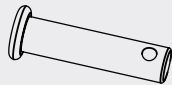
Power Head



Opener Carton



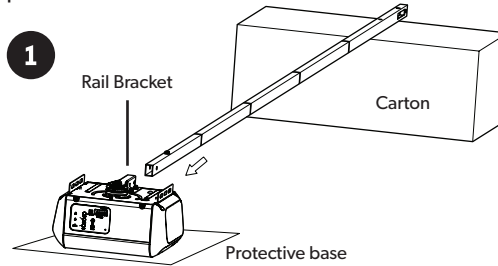
Clevis Pin
5/16" x 1-3/8"



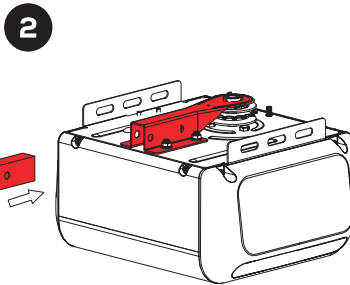
Hitch Pin



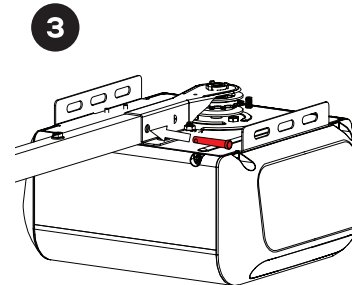
Use garage door opener carton to assemble rail to power head. Use packing material as protective base for power head.



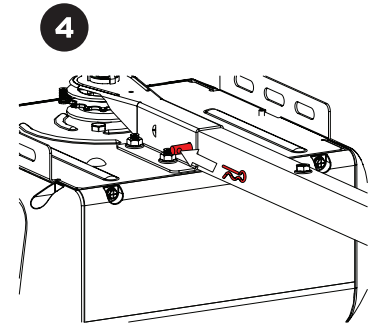
Insert rail-end segment into bracket as shown.



Insert clevis pin into rail bracket as shown.



Insert hitch pin into clevis pin as shown.

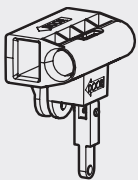


INSTALLING BELT

Look in the box for:

Trolley Shaft/Belt Assembly

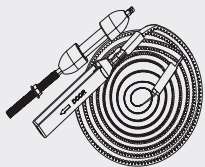
Trolley



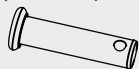
Pulley



Hitch Pin



Clevis Pin
3/8" x 1-3/4"



Master Link



⚠ WARNING

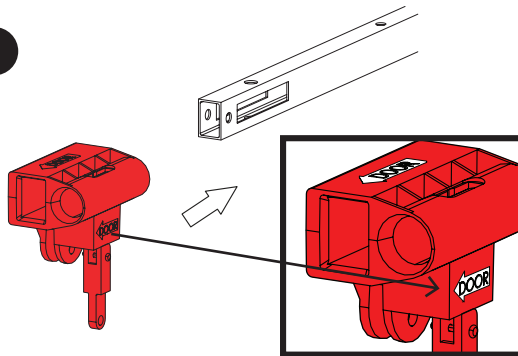


To prevent **SERIOUS INJURY**:

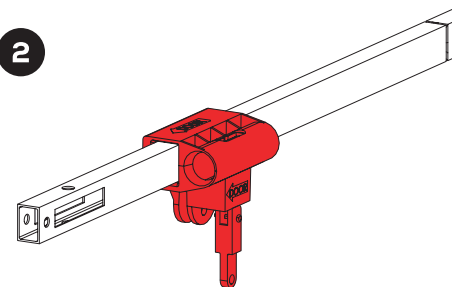
- DO NOT connect power until instructed.
- Keep hands and fingers clear from sprocket during operation.
- Wear gloves when installing chain/belt and cable.
- Keep hands and fingers away from joints and possible sharp edges.

Slide trolley onto the rail. Make sure the arrow on the trolley points toward the door.

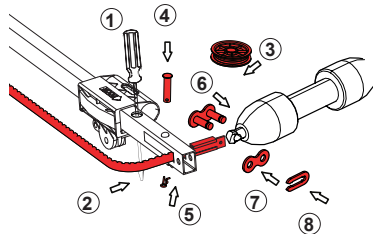
1



2



3



1.1 Insert a temporary screwdriver into the hole approximately 10-1/4" from the end of the Rail - Header Segment. Slide the trolley against this screw driver. The trolley must stay in this position for proper alignment of the belt.

1.2 Grasp the end with Trolley-Shaft Connector and pass through the slot on the Rail - Header Segment.

1.3 Insert the Pulley into the slot while the belt is hanging.

1.4 Secure the Pulley by inserting the 3/8" x 1-3/4" Clevis Pin through the top of the rail, lock the Clevis Pin with a Hitch Pin. Rotate the Pulley to ensure it spins smoothly.

INSTALLING BELT

WARNING

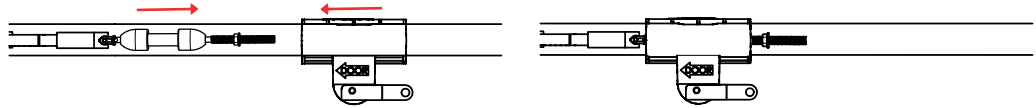
To prevent **SERIOUS INJURY**:

- DO NOT connect power until instructed.
- Keep hands and fingers clear from sprocket during operation.
- Wear gloves when installing chain/belt and cable.
- Keep hands and fingers away from joints and possible sharp edges.



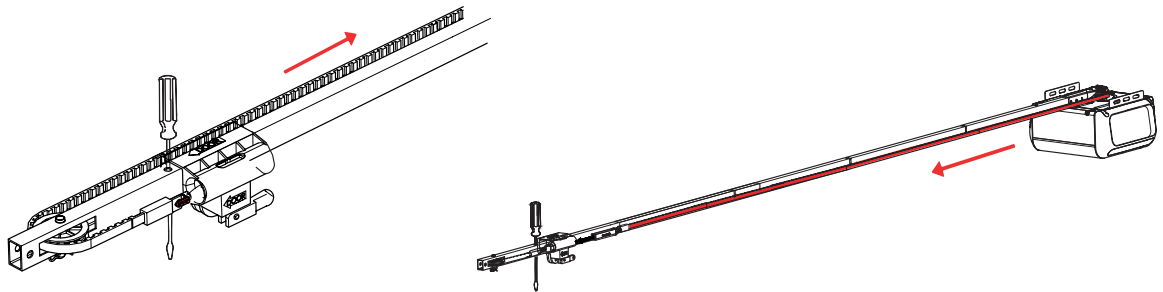
4

Connect the Trolley Shaft to the Trolley Shaft Connector on the belt, using the Master Link Set. Slide the Trolley Shaft into the Trolley until a “click” is heard when they are connected and locked.



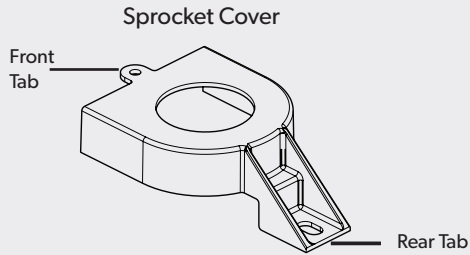
5

With the trolley positioned against the screwdriver, pull the remaining belt straight along the rail and engage belt teeth around the sprocket. (Make sure the belt is not twisted around the rail)

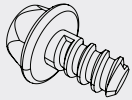


INSTALLING BELT

Look in the box for:



Self-Threading Screw
#8-18 x 5/16



Flange Nut



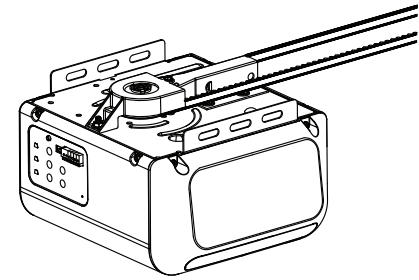
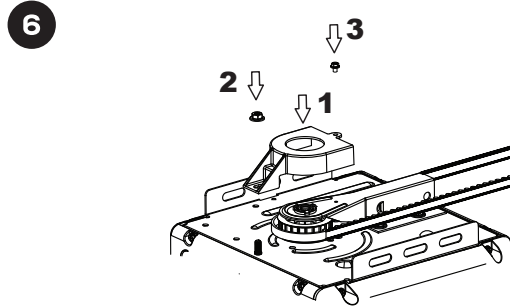
⚠ WARNING



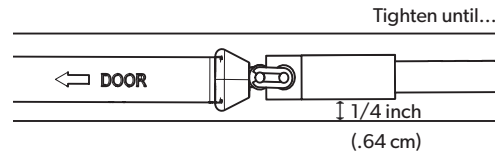
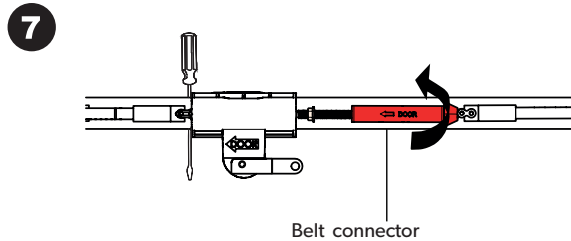
To prevent **SERIOUS INJURY**:

- DO NOT connect power until instructed.
- Keep hands and fingers clear from sprocket during operation.
- Wear gloves when installing chain/belt and cable.
- Keep hands and fingers away from joints and possible sharp edges.

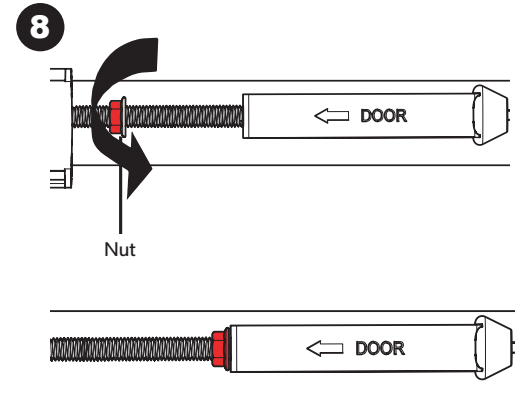
After the belt is connected, attach the Sprocket Cover to the opener with the screw and nut provided.



Rotate the Belt Connector towards the Trolley Shaft until the belt is slightly loose about 1/4" (6mm) above the base of the rail. Refer to the actual-sized illustration below for proper belt tension.



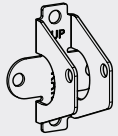
Tighten the Flange Nut on Trolley Shaft against the Belt Connector. Remove the temporary screw driver holding the position of the trolley.



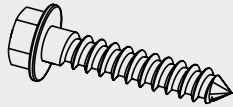
MOUNTING HEADER BRACKET

Look in the box for:

Header Bracket



2 x Lag Screws
5/16" x 1-1/2"



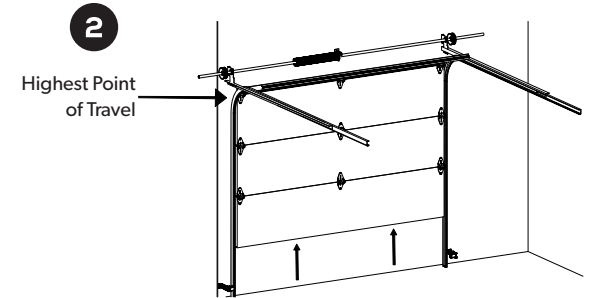
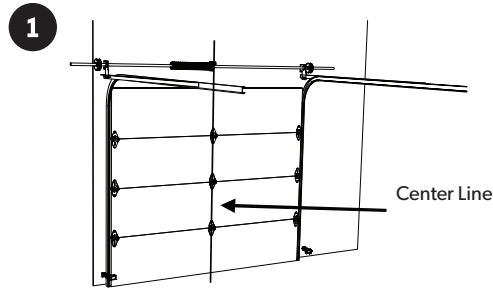
⚠ WARNING



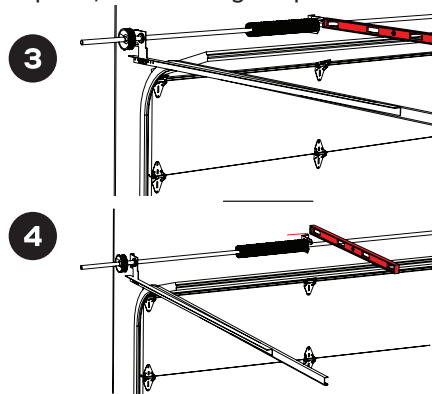
To prevent **SERIOUS INJURY**:

- DO NOT connect power until instructed.
- The header bracket **MUST** be **SECURELY** fastened to the structural support on the mounting wall or ceiling, otherwise garage door opener may not reverse when required. DO NOT install the header bracket into drywall. If installing onto drywall surface either cut out drywall or install board over drywall to secure.
- Concrete anchors **MUST** be used when mounting the header bracket into masonry.
- NEVER try to loosen, move or adjust garage door springs, cables, pulleys, brackets, or hardware.
- Contact a qualified garage door service technician if your door binds, sticks or is unbalanced. An unbalanced door might not reverse when required.

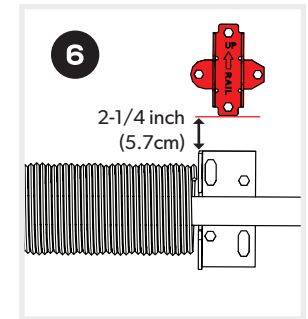
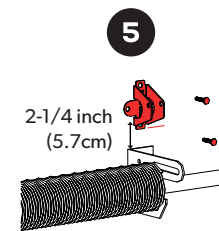
Mark the center line above the door with a pencil. Open door to the highest point of travel.



Take a level, measure and mark highest point of the door on the wall. Raise level to clear torsion bar if required, then mark highest point.



Measure 2-1/4 inch (5.7 cm) above the highest point mark. While placing the bottom of the header bracket on this mark, mark the desired mounting holes in the header bracket. Drill two holes and fasten header bracket using screws.



ATTACHING RAIL AND MOUNTING DOOR BRACKET

Look in the box for:

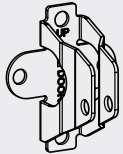
Hitch Pin



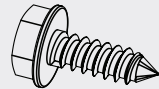
Clevis Pin
5/16" x 1-3/8"



Door Bracket



2 x Self-Threading
Screws - 1/4" x 5/8"



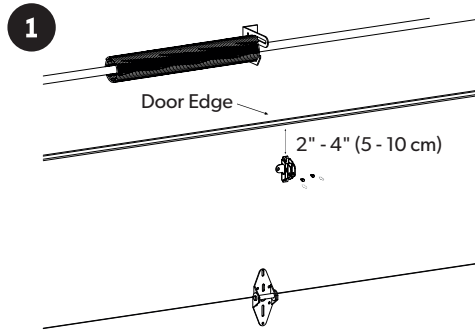
⚠ CAUTION



To prevent **SERIOUS INJURY**:

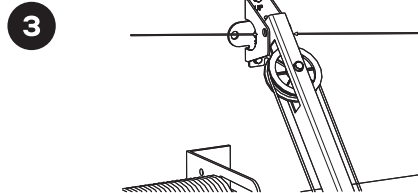
- DO NOT connect power until instructed.
- REINFORCEMENT is recommended for fiberglass, aluminum or lightweight steel garage doors BEFORE installing the door bracket. Contact your door manufacturer for reinforcement options.

Position door bracket on centerline of the top garage door panel. Door bracket should be 2-4 inches (5-10 cm) below the top edge of door panel. Attach door bracket to steel door support using the two self-threading screws.

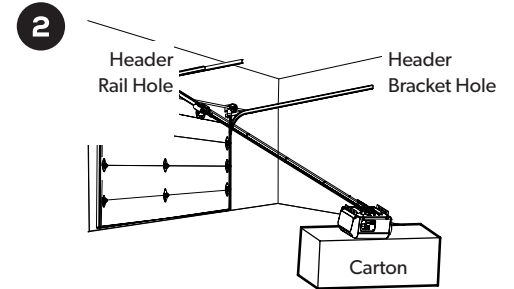


Wood door: mark and drill two 5/16" holes through the garage door. Secure the door bracket using two 5/16" carriage bolts, washers and nuts (not provided). Length of bolts will depend on thickness of your door.

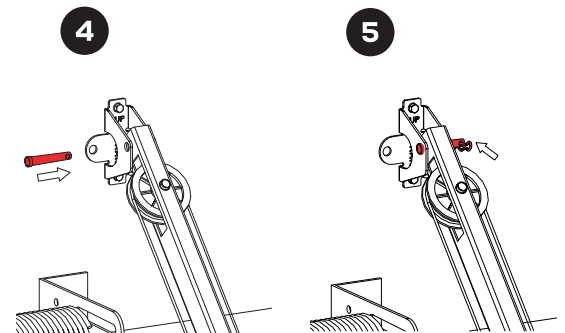
Align header rail hole to header bracket hole.



Use garage door opener carton to support power head. Rail header segment end should be pointing to header bracket.



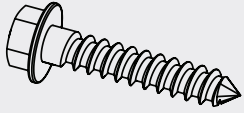
Connect header rail and header bracket with clevis pin and secure with hitch pin.



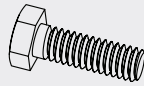
MOUNTING POWER HEAD TO CEILING

Look in the box for:

4 x Lag Screws
5/16" - 1/1/2"



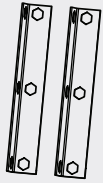
4 x Bolts
5/16" - 18 x 1"



4 x Flange Nut



Hanging Brackets



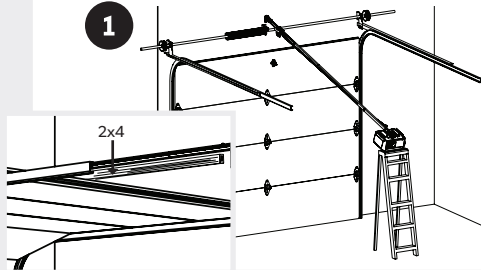
⚠ WARNING



To prevent SERIOUS INJURY:

- DO NOT connect power until instructed.
- Install motor height so the rail is level from the motor head to the wall
- Fasten the opener SECURELY to STRUCTURAL SUPPORT of the garage to prevent falling.
- If installing brackets to masonry, concrete anchors (not provided) MUST be used.
- To prevent damage to garage door surface, rest garage door opener rail on 2x4 placed on top section of door.

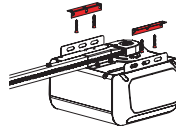
Lift power head onto ladder. Position and align power head with rail assembly to centerline. Fully open door manually and place a 2x4 between the rail and the door.*



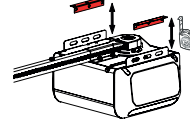
1

Use lag screws to attach angle iron to the structural supports before installing the garage door opener onto a finished ceiling. Measure the distance from each side of the power head to the angle iron.

2



3

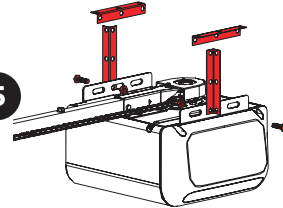


Cut both hanging brackets to appropriate length. Attach the end of each hanging bracket to the angle iron with 5/16" x 1" bolts and flange nuts.

4

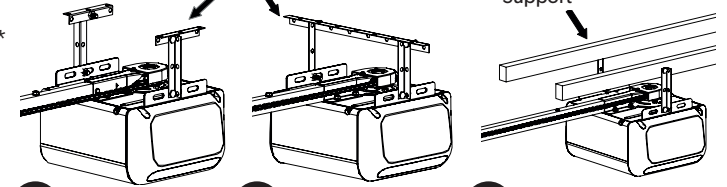


5



Angle Iron
(not included)

Structural
Support



a

Finished Ceiling

b

Finished Ceiling

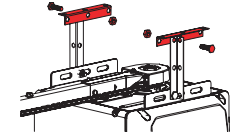
c

Unfinished Ceiling

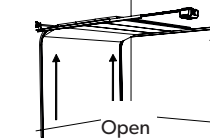
Three most common installation options. Determine the mounting option that works best for you.

Attach power head to hanging brackets with 5/16" x 1" bolts and flange nuts. Place level on rail; opener should be level. Remove 2x4 and manually close the door. If the door hits the rail, either raise the head onto the hanging brackets or if necessary raise the header bracket.

6



7

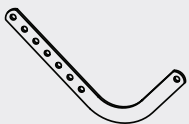


*A 2x4 is ideal for setting the distance between the rail and the door at the highest point of door travel.

ATTACHING DOOR ARMS

Look in the box for:

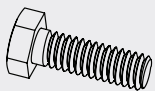
Curved Door Arm



2 x Hitch Pins



2 x Bolts
5/16" - 18 x 1"



Straight Door Arm



2 x Clevis Pins
5/16" x 1"



2 x Flange Nuts



⚠ WARNING

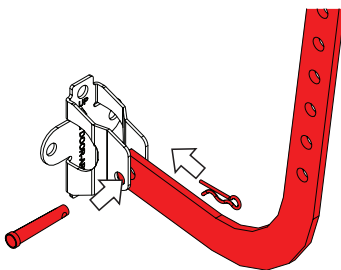


To prevent SERIOUS INJURY:

- DO NOT connect power until instructed.
- Keep hands and fingers away from the sprocket during operation.
- Wear gloves when installing chain/belt and cable.
- Keep hands and fingers away from joints and possible sharp edges.

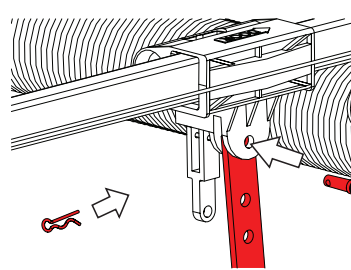
Close your garage door and disengage trolley. Fasten curved door arm to the door bracket with 5/16" x 1" clevis pin and secure with hitch pin.

1



Fasten straight door arm to trolley with a 5/16" x 1" clevis pin and secure with hitch pin.

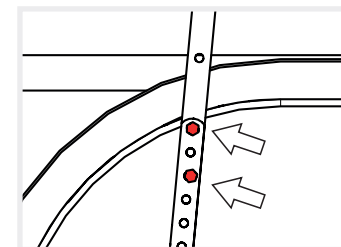
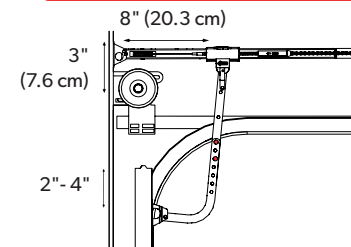
2



Attach door arms with two 5/16" bolts and flange nuts. Bring straight and curved door arm together. Find two pairs of holes that line up and join sections with two 5/16" bolts and flange nuts. Select holes as far apart as possible to increase door arm rigidity.

3

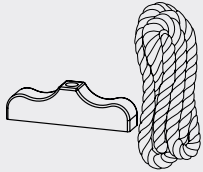
NOTE: The trolley must be a minimum of 8" (20cm) away from the center of the pulley



INSTALLING EMERGENCY RELEASE HANDLE

Look in the box for:

Emergency Release Handle



⚠ WARNING



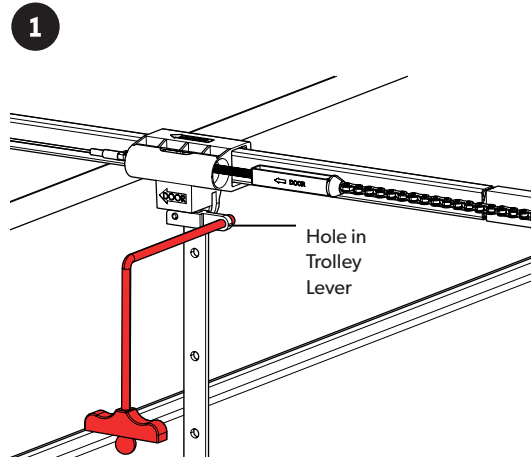
To prevent **SERIOUS INJURY**:

- In case of power outage or door obstruction, **PULL EMERGENCY HANDLE** to release door from opener.
- When trolley is disengaged, (trolley lever pointing down) door can be operated manually.
- To engage, flip the trolley lever up so it is horizontal. Trolley will automatically re-engage when garage door opener is activated.
- **DO NOT** use emergency handle to pull the door open or close.

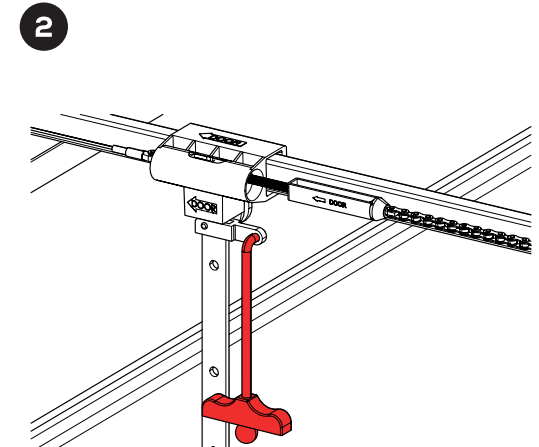
* **VERY IMPORTANT!** *

Emergency release handle must clear all vehicles. An emergency release handle set too low may get caught by the vehicle and cause damage to the opener. Measure from the floor to the top of your vehicle and set the emergency release handle above this measurement.

Thread end of rope through handle and secure with an over hand knot. Thread end of the rope through hole in trolley lever.



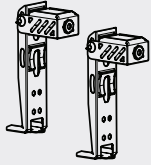
Measure rope length so the handle is 6 feet (183 cm) above the floor and is clear from the top of your vehicle. Secure with an overhand knot.



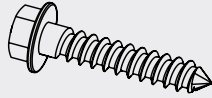
CONNECTING PHOTO EYE SAFETY SYSTEM

Look in the box for:

Photo Eyes



4 x Screws
#12 x 1-1/4"



Insulated Staples



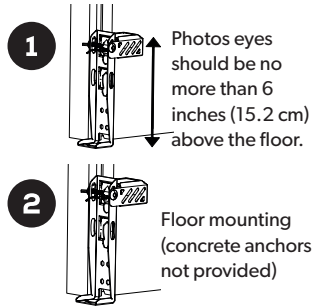
⚠ WARNING



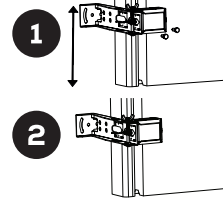
To prevent **SERIOUS INJURY** or **DEATH** from electrocution:

- Power **MUST NOT** be connected until instructed.
- The garage door opener will not operate until the photo eye safety system is properly connected and aligned.
- Install the photo eye safety system **NO** higher than 6 inches (15 cm) above the floor.
- No part of garage door or other objects should obstruct the photo eye safety system during door-closing.

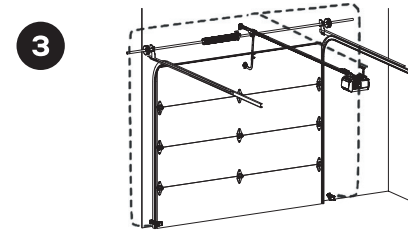
Mount photo eyes using #12 x 1-1/4" screws provided.



Alternative mounting location:
Door track / wall mounting. Photo eyes should be no more than 6 inches (15.2 cm) above the floor.

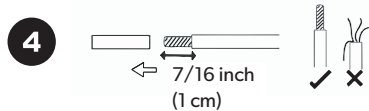


Run wire to power head. Use insulated staples to secure photo eye wires to wall and ceiling. Take care not to puncture the wires while securing staples.

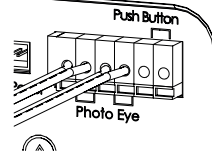


* **VERY IMPORTANT!** *

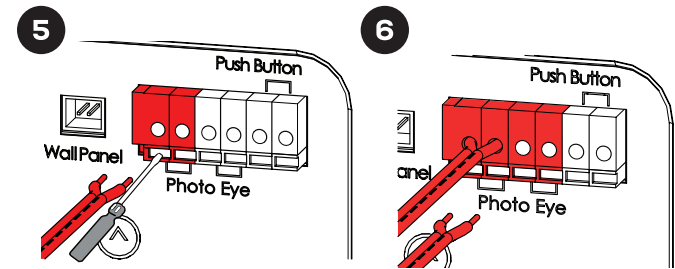
Strip 7/16 inch (1 cm) of insulation from the end of the wire.



Each pair of terminals **MUST** be connected with one white wire and one striped wire (non-polarized) from the **SAME** photo eye.



Cut and discard excess wire. Use small flat head screwdriver to push in orange tab on the terminal block located on the rear panel of the power head. Insert 1/2 inch (1.2 cm) of the wire into the terminal while pushing in the tab. Remove the screwdriver to lock the wire into the terminal block.



CONNECTING POWER AND ALIGNING PHOTO EYE SAFETY SYSTEM

NOTICE:

The garage door opener cannot be programmed and will not close the door until photo eye safety system are installed and aligned.

WARNING

To prevent SERIOUS INJURY or DEATH from electrocution or fire:

- Power MUST be DISCONNECTED BEFORE proceeding with permanent wiring procedures.
- Garage door opener installation and wiring MUST be in compliance with all local electrical and building codes. Make sure the opener is ALWAYS grounded.
- NEVER use an extension cord, 2-wire adapter or modify the power plug in any way to make it fit the outlet.

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

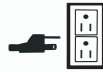
- The photo eye safety system MUST be installed BEFORE connecting power.
- The photo eye safety system MUST be properly connected and aligned BEFORE operating the opener.



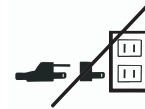
1



Right



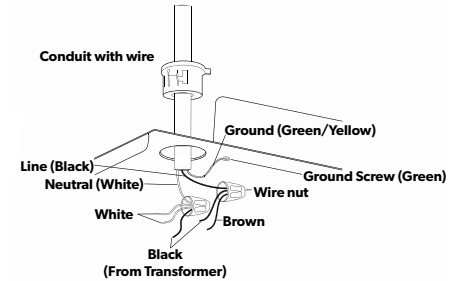
Wrong



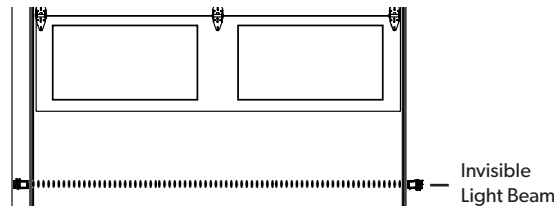
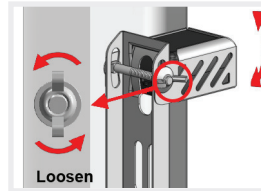
* DO NOT OPERATE OPENER AT THIS TIME *

Plug power head into a grounded outlet ONLY. If there is no grounded outlet present, call a qualified electrician to replace the outlet. Use of a surge protector is highly recommended.

For Permanent Wiring ONLY

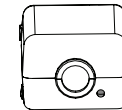


Using the wing nut located on the photo eyes, adjust alignment. When the photo eye safety system is properly aligned the green LED (emitter) will emit a steady green light and the red LED (sensor) will emit a steady red light. The path of the invisible light beam MUST NOT be obstructed. No part of the garage door or any hardware should interfere or block either sensor.



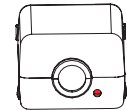
Green LED (emitter) will flash until it is aligned with red LED (sensor). Red LED will not illuminate until it is aligned with green LED.

Emitter
Green LED ON




Aligned
Steady Red &
Green LED

Sensor
Red LED ON

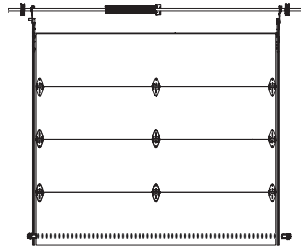


The emitter generates the invisible light beam, and the sensor receives the invisible light beam.

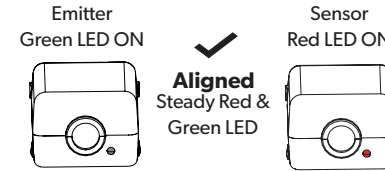
BEFORE WE START PROGRAMMING THE OPENER

Before programming the garage door opener please ensure the following steps are completed:

1. Door is fully closed.

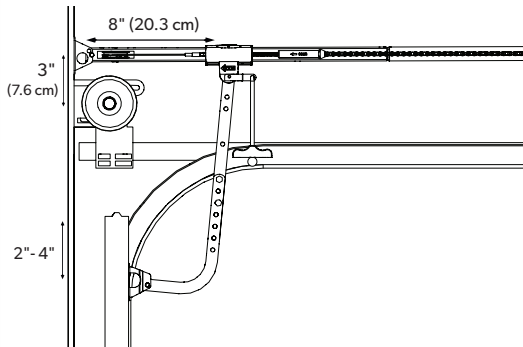


2. Photo eyes are aligned.



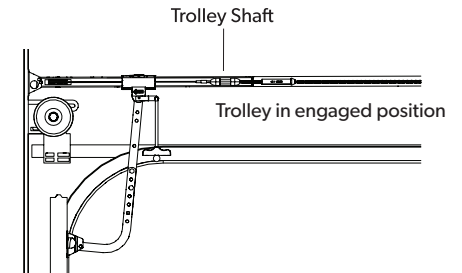
3. Trolley shaft is engaged with trolley.

When the door is closed, the leading edge of the trolley should not be closer than 8" to the center (pin) of the pulley.



To engage trolley shaft with trolley, open or close the garage door by hand until the trolley engages with a click.

Flip lever on trolley so it is in engage position (horizontal and pointing at the opener)

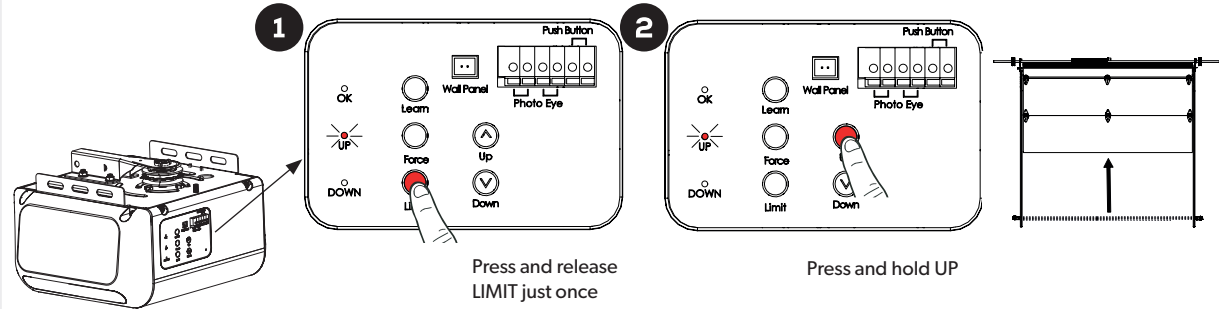


TRAVEL LIMIT ADJUSTMENT - UP LIMIT

NOTICE:

Travel limits and auto force setting must be set for the opener to work. All steps on pages 17-19 must be followed.

With door in the closed position, press and release "Limit" button, the green (UP) LED will illuminate. Press and hold the "Up" button while the "Up" light is illuminated until door reaches desired open position. If needed, press the down or up arrow to micro-adjust.



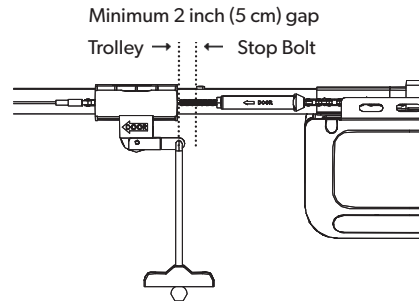
⚠ WARNING

To prevent SERIOUS INJURY or DEATH from improper Force Adjustment:

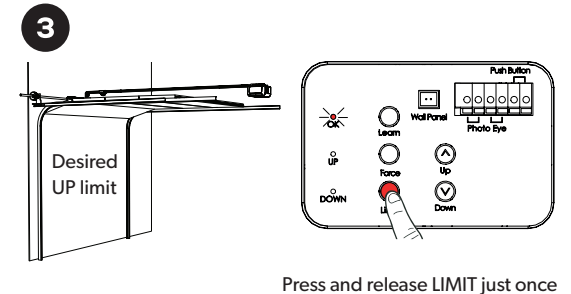
- YOU CANNOT adjust force manually to compensate for binding or sticking of the garage door. Call a qualified garage door service person to make necessary adjustments in case of binding.
- YOU CANNOT manually increase the force required for closing the door.
- After ANY adjustments, Safety Reversal Test MUST be performed to ensure the door reverses on contact with a 1-1/2 inch (3.8 cm) high object (2x4 laid flat).

* DO NOT HIT STOP BOLT *

There should be a minimum 2 inch (5 cm) gap between trolley and stop bolt.



Once the door is at the desired open position, press and release the "Limit" button once. The "OK" LED flashes and turns off. The UP Limit has now been set.



TRAVEL LIMIT ADJUSTMENT - DOWN LIMIT

NOTICE:

Travel limits and auto force setting must be set for the opener to work. All steps on pages 17-19 must be followed.

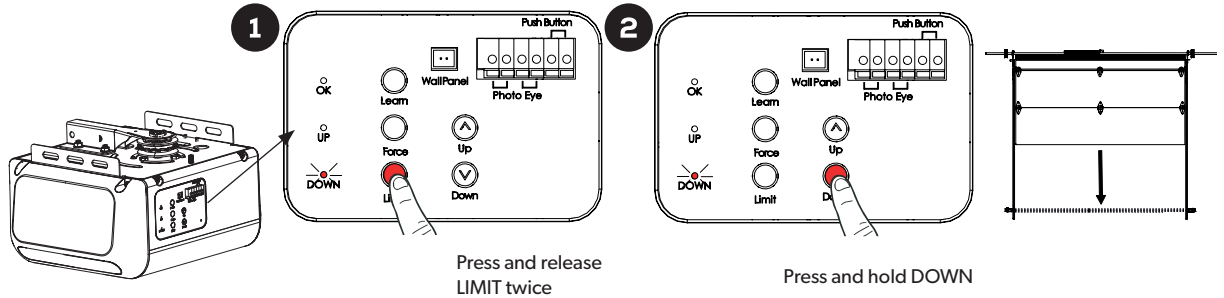
⚠ WARNING



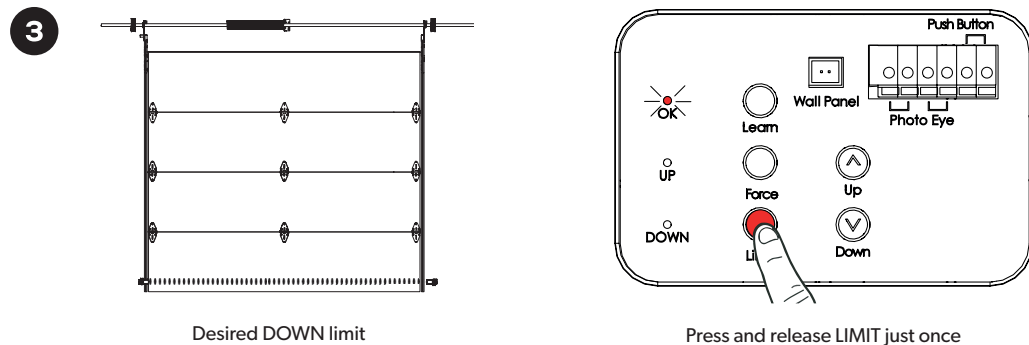
To prevent SERIOUS INJURY or DEATH from improper Force Adjustment:

- YOU CANNOT adjust force manually to compensate for binding or sticking of the garage door. Call a qualified garage door service person to make necessary adjustments in case of binding.
- YOU CANNOT manually increase the force required for closing the door.
- After ANY adjustments, Safety Reversal Test MUST be performed to ensure the door reverses on contact with a 1-1/2 inch (3.8 cm) high object (2x4 laid flat).

With door in the open position, press and release "Limit" button **twice**, the red (DOWN) LED will illuminate. Press and hold the "Down" button while the "Down" light is illuminated until door reaches desired close position. If needed, press the down or up arrow to micro-adjust.



Once the door is at the desired close position, press and release the "Limit" button once. The "OK" LED flashes and turns off. The DOWN Limit has now been set. Once the down limit has been set, both the up (green) and down (red) lights will be illuminated, move on to setting the force on page 19 to complete the programming.



SETTING THE FORCE

NOTICE:

Travel limits and auto force setting must be set for the opener to work. All steps on pages 17-19 must be followed.

⚠ WARNING

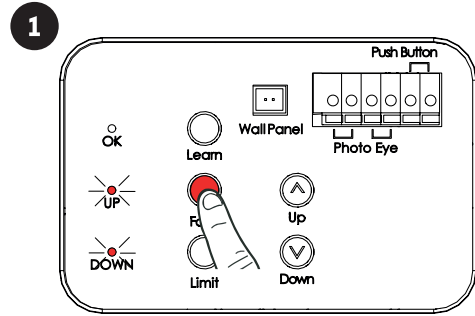
To prevent **SERIOUS INJURY** or **DEATH** from improper Force Adjustment:

- YOU CANNOT adjust force manually to compensate for binding or sticking of the garage door. Call a qualified garage door service person to make necessary adjustments in case of binding.
- YOU CANNOT manually increase the force required for closing the door.
- After ANY adjustments, Safety Reversal Test (see page 21) MUST be performed to ensure the door reverses on contact with a 1-1/2 inch (3.8 cm) high object (2x4 laid flat).

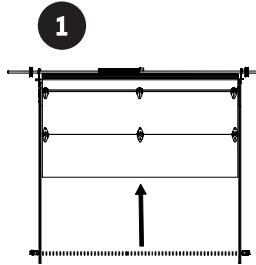


Following limit-setting, the unit is now ready to automatically adjust the forces for opening and closing the door. The door will automatically open and close. The opener is measuring the weight of the door and the force that is required to open and close the garage door. Proceed with the following steps to complete adjustment.

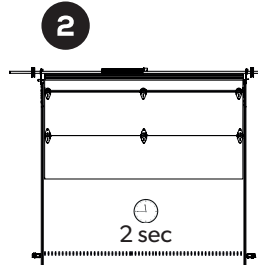
Press and release the "Force" button once. Door will automatically travel one complete cycle followed by flashing of the "OK" LED and 3 beeps. Programming is now complete.



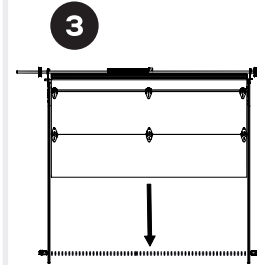
The door will travel UP automatically.



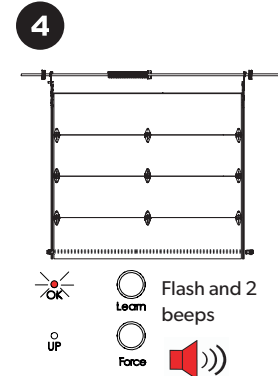
Stop at UP limit for 2 seconds.



Door will then travel DOWN automatically.



OK indicator (orange) will flash with beeps, Auto Force Setting is completed.



FINAL ADJUSTMENTS AND TESTING

⚠ WARNING



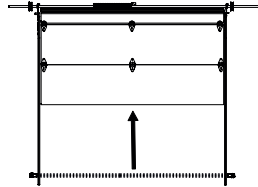
To prevent **SERIOUS INJURY** or **DEATH** from a closing garage door:

- The Safety Reversal Test **MUST** be conducted **ONCE A MONTH**.
- **NO ONE** should cross the path of moving door during operation and/or testing.
- After **ANY** adjustments to the door system, the Safety Reversal Test **MUST** be performed to ensure the door reverses on contact with a 1-1/2 inch (3.8 cm) thick (2x4 laid flat) object.
- The Photo Eye Safety System **MUST** be properly aligned, and tested regularly.

Test the Safety Reversal System

Open door using door control.

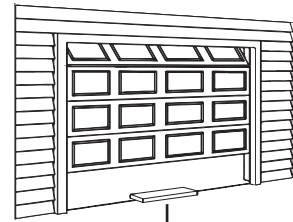
1



2

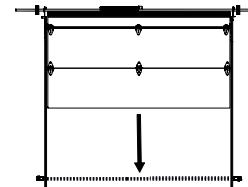
Place a 1-1/2 inch (3.8cm) flat solid object on the floor, centered under the garage door.

For larger and heavier doors, place two wood 2x4s on edge 2 ft apart.



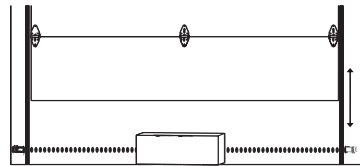
Use door control or remote to close door. Door **MUST** reverse* upon making contact with the object.

3

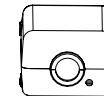


Test the Photo Eye Safety System

1. Open door by using the door control.
 2. Make sure photo eye safety system is aligned with both the red and green LEDs illuminated. If not, refer back to pages 17-18.
 3. Place the garage door opener carton in the path of the door.
 4. Keeping the door in sight press the door control or remote control to close the door
- Door should **NOT** move more than 1 inch (2.5 cm) and the garage door opener will beep and flash 20 times.



Emitter



Green LED
Flashes



20 beeps and
reverses upon
obstruction

Sensor



Red LED
OFF

* If door fails to return, reset the limits and force, referring to pages 17-20.

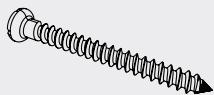
CONNECTING DELUXE DOOR CONTROL * GARAGE DOOR OPENER WILL NOT OPERATE UNTIL PROGRAMMED *

Look in the box for:

Deluxe Door Control*

2 x Lag Screws
#6 x 1-3/8"

2 x Anchors



⚠ WARNING



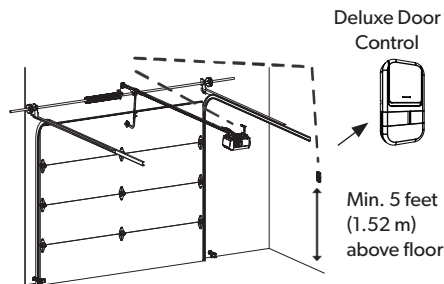
To prevent SERIOUS INJURY or DEATH from electrocution or fire:

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

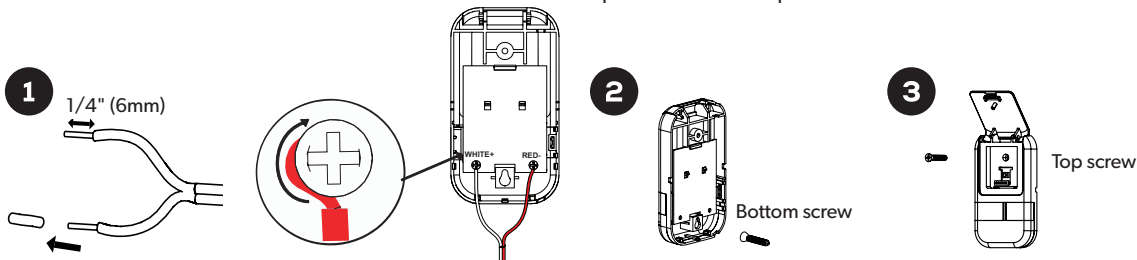
To prevent SERIOUS INJURY or DEATH from a closing garage door:

- Install door control within sight of garage door, at a minimum height of 5 feet (1.5 m) so small children are not able to reach it, and away from ALL moving parts of door.
- NEVER permit children to operate or play with door control or remote controls.
- Activate garage door opener ONLY when door can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
- ALWAYS keep a moving garage door in sight until completely closed. NEVER cross path of moving garage door.

Wire deluxe door control to power head as shown.



1. Strip 7/16 inch (11 mm) of insulation from wire and separate wires.
2. Connect one wire to each of the two screws on the back of the door control. ***DO NOT USE PRE-EXISTING WIRE***
This IS a Polarized device, please make sure to connect the white and red stripe wires to the screws marked "WHITE+" and "RED-" on the door control correspondingly. If they are not connected properly, the DOOR and Vacation Lock buttons will not function properly.
3. Mark the location of bottom mounting hole and drill 5/32 inch hole.
4. Install the bottom screw and allow 1/8 inch (3 mm) to protrude from wall. Note: Use anchors if mounting to drywall.
5. Position bottom hole of door control over the screw and slide down into place.
6. Lift actuation button and mark the top hole. Remove the door control from wall and drill 5/32 inch hole for top screw
7. Position bottom hole of door control over the screw and slide down into place. Fasten the top screw



Connect plug from deluxe door control to wall panel outlet on the back panel of the power head.

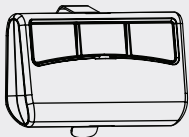


See how to use deluxe door control on page 30.

PROGRAMMING HANDHELD REMOTE CONTROL

Look in the box for:

Three Button Remote



! WARNING



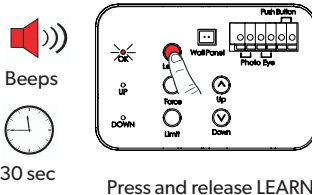
To prevent **SERIOUS INJURY** or **DEATH**:

- Keep remote control and battery out of reach of children.
- NEVER permit children to access door control or remote control.
- Operate the door **ONLY** when it is properly adjusted, and there are no obstructions present.
- ALWAYS keep a moving door in sight until completely closed. NEVER cross the path of a moving door.

To reduce risk of fire, explosion or electric shock:

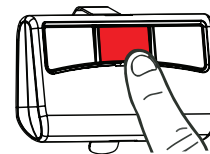
- DO NOT short circuit, recharge, disassemble or heat the battery.
- Replace with a CR2032 3 volt battery **ONLY**.

1. Press and release the "Learn" button (located on back of opener).
2. The "OK" LED will illuminate indicating ready for programming.

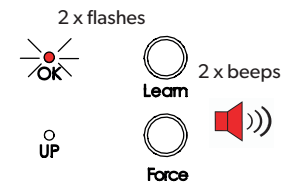


3. Press desired button on remote control within 30 seconds to program.

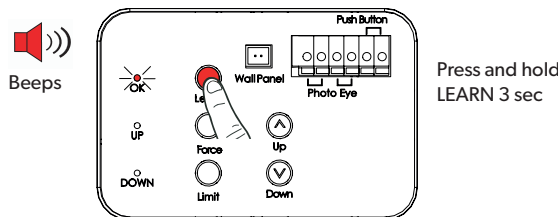
Additional buttons on remote can be used to program multiple separate Masterforce garage door openers



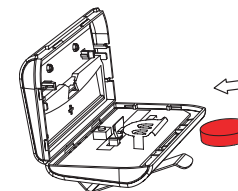
The "OK" LED flashes twice followed by two beeps to confirm remote has been programmed.



Erasing ALL remote controls from memory:
To erase ALL remote controls from memory, press and hold "Learn" button for 3 seconds. "OK" LED will flash and beep three times indicating all remotes have been erased from memory.



When battery of hand held remote control is low, indicator LED will become dim and/or range of remote control will decrease. To replace battery, remove battery cover from remote control. Replace with a CR2032 3 volt battery.



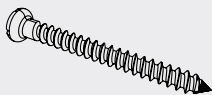
PROGRAMMING WIRELESS KEYPAD

Look in the box for:

Wireless keypad*



2 x Lag Screws
#6 x 1-3/8"



2 x Anchors



WARNING



To prevent SERIOUS INJURY or DEATH:

- Keep remote control and battery out of reach of children.
- Never permit children to access the door control or remote control.
- Operate door ONLY when it is adjusted properly with no obstructions to door travel and is in clear sight.
- ALWAYS keep a moving door in sight until completely closed. NO ONE should cross the path of a moving door.

To reduce risk of fire, explosion or electric shock:

- DO NOT short circuit, recharge, disassemble or heat battery.
- Replace with 2 x AAA batteries ONLY. Dispose of batteries properly.

"It is recommended to program and test the keypad before mounting."

1. Press and release the "Learn" button.
2. The "OK" LED will illuminate indicating ready for programming.
3. Garage door opener is ready to accept PIN within the next 30 seconds.

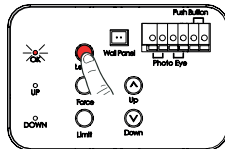
1




Beeps



30 sec



Press and release LEARN

Enter your 2-6 digit PIN within 30 seconds and press the  button.

2



30 sec

"OK" LED will flash and beep twice indicating code is set.

3

2 x flashes



Learn

2 x beeps

UP

Force

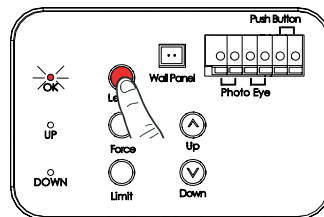


Erasing ALL remote controls from memory:

To erase ALL remote controls from memory, press and hold "Learn" button for 3 seconds. "OK" LED will flash and beep three times indicating all remotes have been erased from memory.



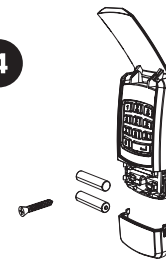
2 x beeps



Press and hold LEARN for 3 seconds

Wireless keypad may be secured on door jamb outside your garage. Install keypad within sight of door at minimum height of 5 feet (1.5 m). Test the range of the keypad before mounting. Find an alternative mounting location if range is insufficient.

4



5



MOTION ACTIVATED SECURITY LIGHTING * GARAGE DOOR OPENER WILL NOT OPERATE UNTIL PROGRAMMED *

Look in the box for:

Deluxe Door Control



Using the Deluxe Door Control
ONLY after Installation is completed



Door-Press and release to open/close the door.



Press and hold to activate/deactivate motion sensing security lighting. Turns the courtesy light on/off.

Vacation Lock

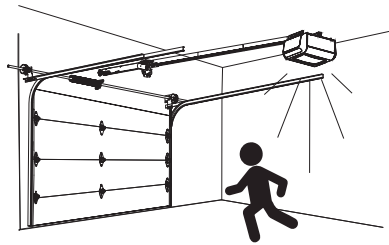


Unlock - Slide lock button to the right to enable all remotes, door control and accessories.

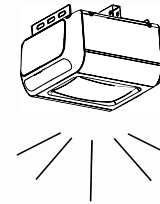


Lock - Slide lock button to the left to disable all remotes, door control and accessories.

Security lighting is activated and remains on for 4.5 minutes when garage door opener is operated.



4.5 Min



Note - if you wish to turn off security lighting when motion sensing is activated press the "LIGHT" button and security lighting will turn off and remain off for 25 seconds. If motion is detected after 25 seconds, security lighting will turn on.

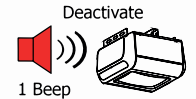
Motion sensing is turned on by default and will activate security lighting when motion is detected within the garage. Security lighting will remain illuminated for 4.5 minutes or for as long as there is motion in the garage.

To deactivate motion sensing: Press and hold "LIGHT" button for 2 seconds. The power head will beep once to indicate motion sensing has been deactivated.

To active motion sensing: Press and hold "LIGHT" button for 2 seconds. The power head will beep 3x to indicate motion sensing has been activated.



2 Sec



1 Beep

Activate



3 Beep

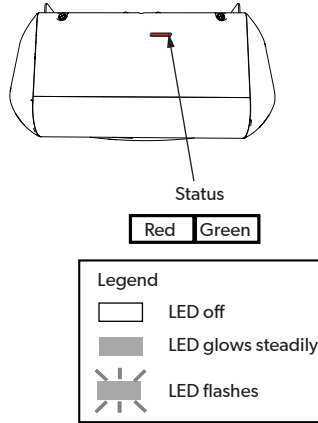
BATTERY BACKUP

⚠ WARNING



- 1. RISK OF EXPLOSIVE GASES:
 - To reduce risk of battery explosion:
 - DO NOT CRUSH
 - DO NOT SHORT
 - DO NOT INCINERATE
 - DO NOT HEAT ABOVE 122°F/50°C
 - DO NOT DISPOSE OF IN FIRE
- 2. DO NOT touch eyes while working near batteries.
- 3. NEVER smoke or allow a spark or flame in the vicinity of battery or engine.
- 4. DO NOT drop ANY metal tools onto the battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
- 5. NEVER wear watches, rings, bracelets, or necklaces when working with car batteries. Batteries can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.

Battery and Status Indicator



Note: The opener will run at a slower speed when powered only by the battery.

Features

- LED indicators showing the battery and status.
- Built-in protection features: over current protection; short circuit protection, overload protection, over-voltage protection, over-charge protection.

Power mode	Status Indicators	Description
AC120V mains	Red Green	Battery is fully charged
	Red Green	Battery is being charged
Power outage (Battery mode)	Red Green	Opener is powered by battery
	Red Green	Opener is operating with battery
	Red Green	Battery is low

Specification

Fully Charge Time	Suggested 24 hours
Cycle life	Approx. 300 cycles
Operation Temperature	14°F - 122°F (-10°C-50°C)

BATTERY BACKUP MAINTENANCE

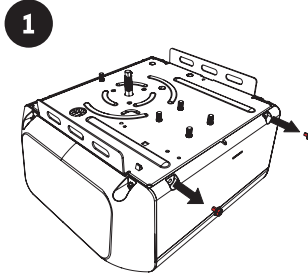
WARNING



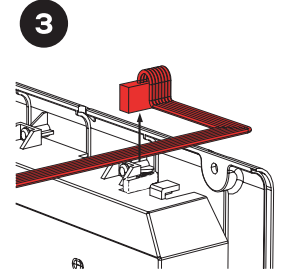
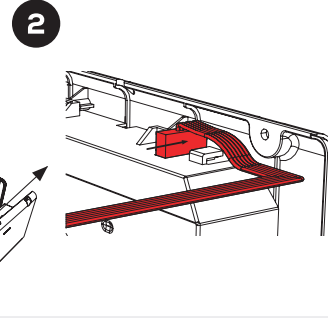
- 1. RISK OF EXPLOSIVE GASES:
 - To reduce risk of battery explosion:
DO NOT CRUSH
DO NOT SHORT
DO NOT INCINERATE
DO NOT HEAT ABOVE 122°F/50°C
DO NOT DISPOSE OF IN FIRE

- 2. DO NOT touch eyes while working near batteries.
- 3. NEVER smoke or allow a spark or flame in the vicinity of battery or engine.
- 4. DO NOT drop ANY metal tools onto the battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
- 5. NEVER wear watches, rings, bracelets, or necklaces when working with car batteries. Batteries can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.

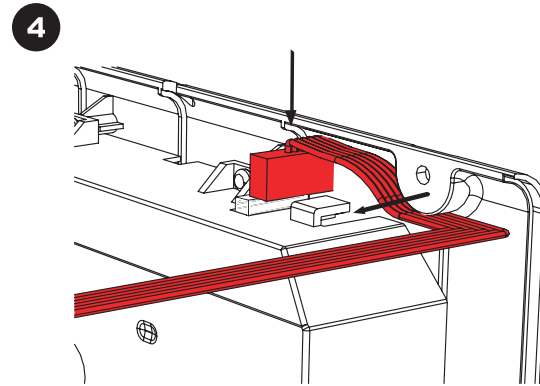
Unscrew the front panel.



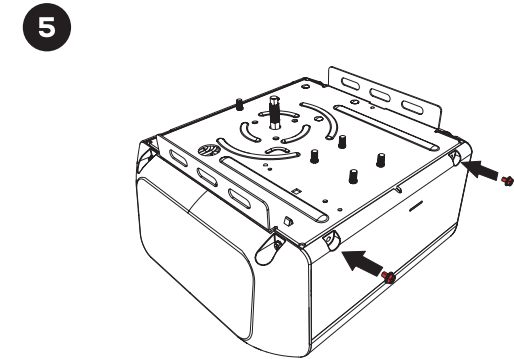
Remove wires of BBU connector from the tab located at the top of the BBU holster. Unplug connector from the BBU .



Plug the new BBU/cover connector. Place the wires under the tab



Screw the front panel to the garage opener.



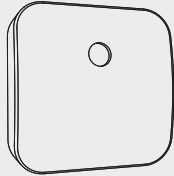
INSTALLING THE SMART GARAGE DOOR CONTROLLER

Look in the box for:

Installation Guide



Controller



Wireless Door Sensor



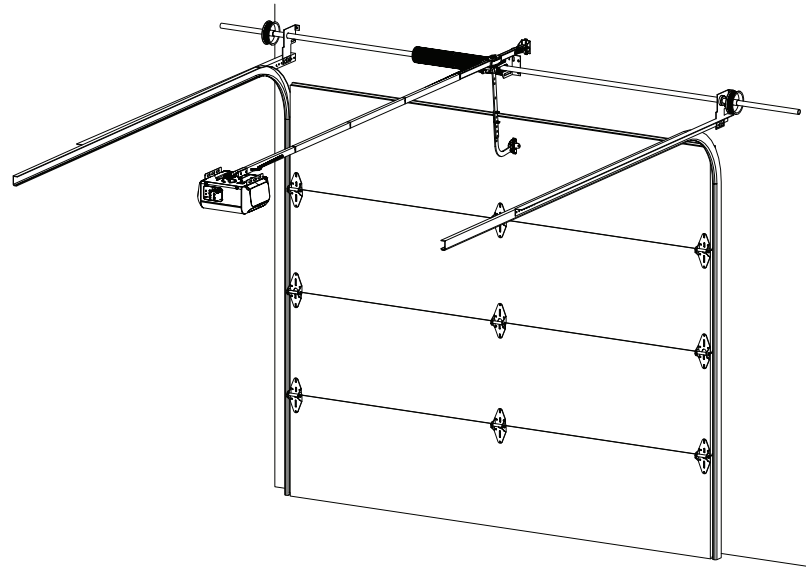
WARNING

To reduce the risk of injury to persons:

- Use this Smart Control Kit only with residential sectional garage doors.
- Do not enable this device on a one-piece or swinging garage door.
- Do not use this device on garage door openers made before 1993 without a working photo eye safety system.

Installation and programming of your Masterforce Smart Garage Door Opener is now complete.

- Locate the Smart Garage Door Controller
- Follow instructions in the Smart Garage Door Controller Installation Guide (separate manual) to add smartphone control to your garage door opener.



USING YOUR GARAGE DOOR OPENER

WARNING

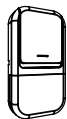
To prevent **SERIOUS INJURY** or **DEATH**:

- READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THE OWNER'S MANUAL AND LABELS
- Keep remote control and batteries out of reach of children.
- NEVER permit children to access door controls or remote controls.
- Operate the door **ONLY** when it is properly adjusted, and there are no obstructions and is in clear sight.
- ALWAYS keep a moving door in sight until completely closed. NEVER cross the path of a moving door.
- After ANY adjustments, the Safety Reversal Test **MUST** be performed to ensure the door reverses on contact with a 1-1/2 inch (3.8 cm) thick object (2x4 laid flat).
- ALWAYS ensure that your door is balanced and in good working condition.

Activating the Opener

Controls

Operation



Door Control

Momentary press large button on the door control, the door starts to move, and controls as follows:

- Open or close the door.
- Stops the door while closing.
- Stops the door while it is opening.
- For safety concerns, the door control **WILL NOT** work if the photo eye safety system is not properly installed and aligned or if vacation lock is activated.



Handheld Remote Control

Remote distance up to 100 feet in open field. For safety concerns, the handheld remote control **WILL NOT** work if the photo eye safety system is not properly installed and aligned or if vacation lock is activated.



Wireless Keypad

Program the wireless keypad accordingly and access the door using the PIN code.

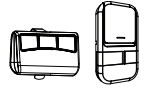
USING YOUR GARAGE DOOR OPENER

WARNING

To prevent **SERIOUS INJURY** or **DEATH**:

- Use emergency release to disconnect trolley **ONLY** when the door is **CLOSED** to prevent unexpected rapid falling in case of a unbalanced / poor-conditioned door.
- Use emergency release **ONLY** when doorway is clear of persons and obstructions.
- **DO NOT** use emergency release to pull the door open or closed.

Door Status vs. Activation



Door Status

Activation Using Door Control / Remote Control

Door at fully open / close position

Door will move to fully close / open position

Door is closing

Door will stop. Upon next activation door will reverse to fully open position.

Door is opening

Door will stop. Upon next activation door will continue to open.

Door is obstructed while closing

Door will reverse and beep x 25

Door is obstructed while opening

Door will stop and beep x 25

Door is fully opened and photo eye safety system is obstructed

Door will not close and beep x 20

USING YOUR GARAGE DOOR OPENER

WARNING

To prevent SERIOUS INJURY or DEATH:

- Use emergency release to disconnect trolley ONLY when the door is CLOSED to prevent unexpected rapid falling in case of a unbalanced / poor-conditioned door.
- Use emergency release ONLY when doorway is clear of persons and obstructions.
- DO NOT use emergency release to pull the door open or closed.

Courtesy Light / Buzzer Responses



Operation / Condition	Courtesy Light / Buzzer Responses
Opener is initially plugged-in (no travel limits stored see pages 20-21):	UP and DOWN indicators blink 5 times
Reconnecting power (with travel limits stored)	Light On for 4.5 minutes
"LEARN" button is pressed	Beep x 1, OK indicator glows
Upon activation	Light on for 4.5 minutes
Upon activation by remote controls	Beep x 1, Light on for 4.5 minutes
Remote control PIN code stored successfully	Beep x 2
Photo eye safety system is obstructed during door-closing	Beep x 20
The door is obstructed during travel	Beep x 25
Door travels with abnormal speed	Beep x 12 (1 beep / second)

USING YOUR GARAGE DOOR OPENER

Manual Operation

In case of a power failure or door obstruction, PULL EMERGENCY HANDLE to release door from opener.

To Disengage Trolley for Manual Operation

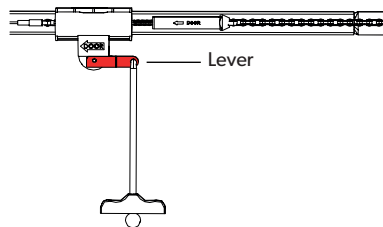
With door closed, pull down emergency handle to disengage position. Door can be raised / lowered manually.

NOTE: Do not yank or pull hard, as this could cause damage to the trolley.

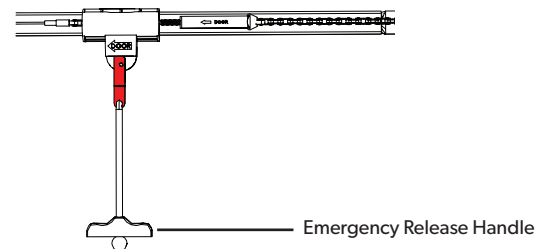
To Engage Trolley

Pull the handle toward opener so that lever will flip up to engage position. Trolley will reconnect itself when opener is activated or when the door is manually opened / closed.

Engage:
Pull to disengage



Disengage:
Flip to engage



USING YOUR GARAGE DOOR OPENER

Using the Deluxe Door Control

(ONLY after programming has been completed)



Large button – Press and release to open/close the door



Light – Turns the courtesy light on/off

Press and hold to activate/deactivate motion sensing security lighting



Vacation Lock

Unlock – Slide lock button to the right to enable all remotes, door control and accessories.



Lock – Slide lock button to the left to disable all remotes, door control and accessories.

TROUBLESHOOTING

NOTICE

Opener will not work until you set the travel limits and the auto force adjustment. You must follow all steps located on pages 17-19.

Soft open / Soft close feature: opener is designed to start slowly, accelerate to full speed, then slowly stop. Soft open/close is designed to reduce strain on openers components and to improve opener longevity.

Problem	Possible Cause / Solution
Opener does not close and beeps x 20	The photo eye may be obstructed, not properly aligned or installed, check connection and alignment by referring to pages 14-15.
Opener does not respond to remote control	<ul style="list-style-type: none">• Refer to page 22 to reprogram remote control.• Check remote control battery and vacation switch if deluxe door control is installed.
Opener stops before reaching full open / close position	Travel Limit is not properly set, check adjustment referring to pages 17-19 . Conduct safety reverse test after ANY adjustment.
Door reverses unintentionally	<ul style="list-style-type: none">• Make sure the photo eye safety system is aligned and clear of obstructions.• Refer to page 3 to check the door balance• Refer to pages 17-19 to reset travel limits and force adjustment.
Door reverses and courtesy light flashes	Refer to pages 17-19 to reset travel limits and force adjustment.
Opener does not close the door, LED on one of photo eyes flashes, and beeps x 20	The photo eye safety system is misaligned or obstructed, refer to page 14-15 for proper alignment.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Opener is working properly but courtesy light does not turn on	Replace LED cluster.
Courtesy light does not turn off	Replace logic board.
Opener hums as trolley hits the trolley stop	<ol style="list-style-type: none">1. Disconnect trolley by using the emergency release.2. Close door manually.3. Relieve Belt connector by loosening both, refer to page 8.4. Operate opener so trolley shaft travels towards door (trolley should be kept disengaged).5. Refer to page 17 to reset UP Limit.6. Refer to page 8 to re-tighten chain-to-cable connector until it is 1/4 inches (.64 cm) above the base of rail (reference the figure shown on page 8).7. Repeat the above steps if trolley still hits the stop bolt.

MAINTENANCE

Schedule	Maintenance
Once a month	Door balance test, refer to page 3.
Twice a year	Safety reversal test, refer to page 20.
Once a year	<p>Belt (refer to page 8 for adjustment if necessary).</p> <ul style="list-style-type: none">• Limit and Force adjustment may be necessary due to weather conditions. Refer to pages 17-19 for adjustment. Conduct Safety Reversal Test after ANY adjustments.• Lubricate door rollers, bearings and hinges. The opener is permanently lubricated, DO NOT lubricate or grease the opener, rail or door tracks.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

NOTICE: This product is not warranted for commercial use.

Decko Products warrants this product, to the original purchaser, for the initial residence in which it is installed (upon verification that it is installed correctly) to be free from defects in materials and or workmanship for a period of 1 YEAR from the date of purchase. The motor is warranted to be free from defects in materials and or workmanship for 10 YEARS from the date of purchase. With the exception that certain components wear out upon normal use are excluded from this warranty. Examples of such components are as follows but not limited to; chain, cable, logic board, wall panel, photo eyes, trolley and trolley system, sprocket, position encoder and brush & gear. As the sole and exclusive remedy for a breach of this limited warranty, if the product is found to be defective by Decko Products, Decko Products, at its option, will repair the product or replace it with an equivalent product.

LABOR, ETC. COSTS: Decko Products shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or affixing any product, part, or component thereof.

PRODUCT IMPROVEMENTS: Decko Products reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such change or improvement.

If this product should fail during the limited warranty period call 1-877-GDO-4402 toll free before removing product from installation. If the product is deemed by Decko Products to contain a manufacturer's defect covered by this limited warranty and if it is determined it cannot be fixed at the original address of installation.

**Call 1-877-GDO-4402 for a RGA # and then send product post paid to:
Decko Products
ATTN: Warranty Dept.
45 Maryland Ave. E,
St. Paul, MN 55117**

Please include a brief description of the problem and a dated proof-of-purchase receipt with any product returned for warranty repair. Defective product will be repaired or replaced with new or factory-rebuilt parts at manufacturer's sole option. Any costs to un-install or re-install the product are not covered by this Limited Warranty, and you are solely responsible for any such costs which you may incur.

In order to **ACTIVATE YOUR WARRANTY**, the original purchaser must register the product using the form on the next page or online at www.gdohelp.com within 30 days of purchase. A copy of the original receipt must accompany warranty registration.

ANY ABUSE, MODIFICATION OR DISSASSEMBLY OF THIS PRODUCT VOIDS THIS LIMITED WARRANTY.

DECKO DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS LIMITED WARRANTY DOES NOT COVER ANY PROBLEMS RELATED TO THE INSTALLATION OF THE GARAGE DOOR OR GARAGE DOOR HARDWARE. THIS INCLUDES BUT IS NOT LIMITED TO THE DOOR SPRINGS, DOOR ROLLERS, DOOR ALIGNMENT OR DOOR HINGES.

DECKO PRODUCTS SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES THAT ARISE IN CONNECTION WITH USE, OR INABILITY TO USE THIS PRODUCT.

This warranty shall not apply to damage due to acts of God, normal wear and tear, normal maintenance services and the parts used in connection with such service, lightning or conditions beyond the control of Decko Products, have been subject to negligence, abuse, accident, misapplication, tampering, alteration; nor due to

WARRANTY

improper installation, operation, maintenance, or storage; nor to excess of recommended maximums as set forth in the instructions.

Any oral statements about the product made by the seller, Decko Products, the representatives, or any other parties do not constitute warranties, shall not be relied upon by the user, and are not part of the contract for sale. Sellers' and Decko Products only obligation, and the buyer's only remedy, shall be the replacement and/or repair by Decko Products of the product as described above. Neither seller nor Decko Products shall be liable for any injury, loss or damage, direct or incidental or consequential (including but not limited to incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss arising out of the use or the inability to use the product, and the user agrees that no other remedy shall be available to it. Before using the user shall determine the suitability of the product for his/her intended use and user assumes all risk and liability whatsoever in connection therewith.

The warranty and remedy in this limited warranty is an exclusive warranty and remedy and is in lieu of any other warranty or remedy, expressed or implied, which other warranties and remedies are hereby expressly excluded, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, to the extent either applies to a product shall be limited in duration to the periods of the expressed warranties given above

Some states do not allow the exclusion or limitation of consequential or incidental 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.

REGISTRATION CARD

CUSTOMER FIRST NAME: _____

CUSTOMER LAST NAME: _____

CUSTOMER ADDRESS: _____

CITY: _____ STATE: _____

ZIP: _____

PHONE NUMBER: _____

EMAIL: _____

ZIP: _____

MODEL NUMBER: _____

SERIAL NUMBER: _____

PLACE OF PURCHASE: _____

DATE OF PURCHASE: _____

COMMERCIAL APPLICATION: YES NO

DID PURCHASER INSTALL THE PRODUCT: YES NO

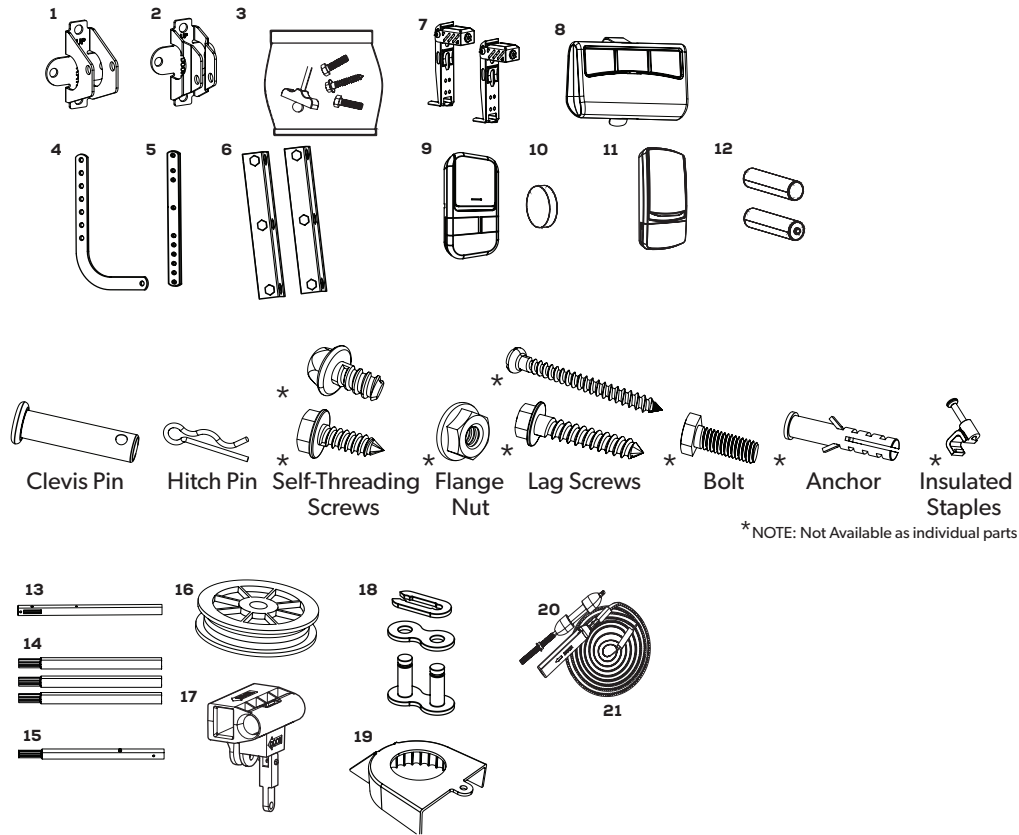
If no, who installed the product: _____

Cut along dotted line and mail card to:

**Decko Products
ATTN: Warranty Dept.
45 Maryland Ave. E,
St. Paul, MN 55117**

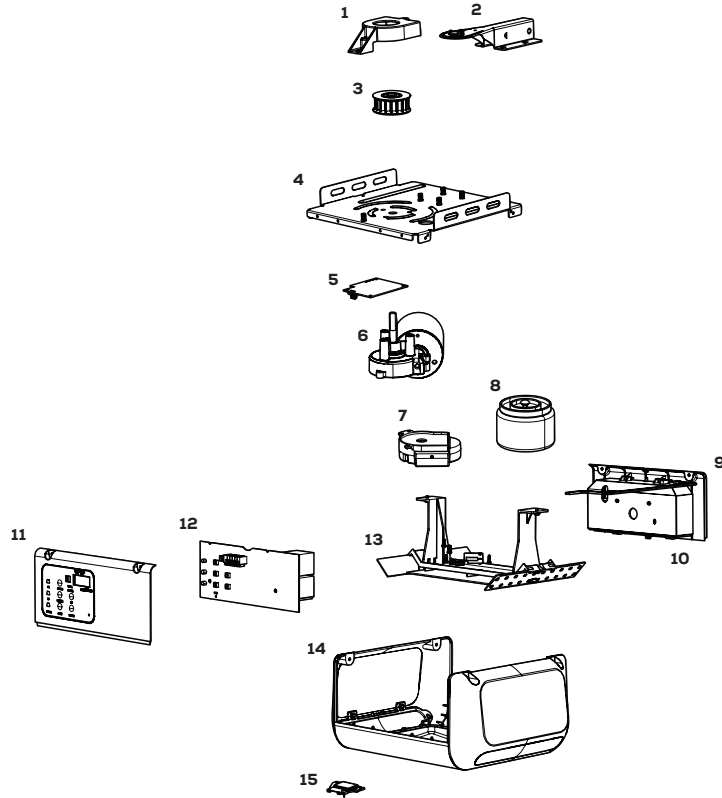
OR register at masterforceopeners.com

SPARE PARTS



#	Name/Description	Part #
INSTALLATION PARTS		
1	Header Bracket	24919
2	Door Bracket	24917
3	Hardware Bag/Emergency Release Handle	24925
4	Curved Door Arm	24923
5	Straight Door Arm	24921
6	Hanging Bracket	24941
ACCESSORIES		
7	Photo Eye Safety System	24913
8	3 Button Handheld Transmitter	25003
9	Deluxe Door Control	25004
10	Remote Control Battery CR2032	24886
11	Wireless Keypad	25005
12	Wireless Keypad Battery	25006
RAIL ASSEMBLY PARTS		
13	Rail-Header Segment	24911
14	Rail-Middle Segment	24982
15	Rail-End Segment	24984
16	Pulley	24929
17	Master Link Set	24907
18	Trolley	24927
19	Sprocket Cover	24961
20	Trolley Shaft	24951
21	Belt w/turnbuckle	24962

OPENER ASSEMBLY PARTS



#	Name/Description	Part #
INSTALLATION PARTS		
1	Sprocket/Pulley Cover	24960-1
2	Rail Bracket	24887
3	Belt Sprocket	24994
4	Chassis	24995
5	Power Module for LED	24889
6	Motor 12VDC	24890
7	Encoder Module	24932-1
8	Transformer 18VAC	24996
9	Cover Plate-Front	24997
10	Battery, Panel and Harness Assembly	24998
11	Cover Plate-Back	24999
12	Logic Board	25000
13	LED Cluster	24896
13.1	LED Cluster, Center	24897
13.2	LED Cluster, Side (2)	24898
14	Main Cover	25001
15	Motion sensor	25002



SMART GARAGE DOOR OPENER USER MANUAL

**MODEL #24208
SKU: 425-1674**