



**TOPENS**



**MultiRuta**  
BY TOPENS

# GARAGE DOOR OPENER

## User's Manual

**Model:**

**CASAR 800**



TOPENS Website

[www.topens.com](http://www.topens.com)

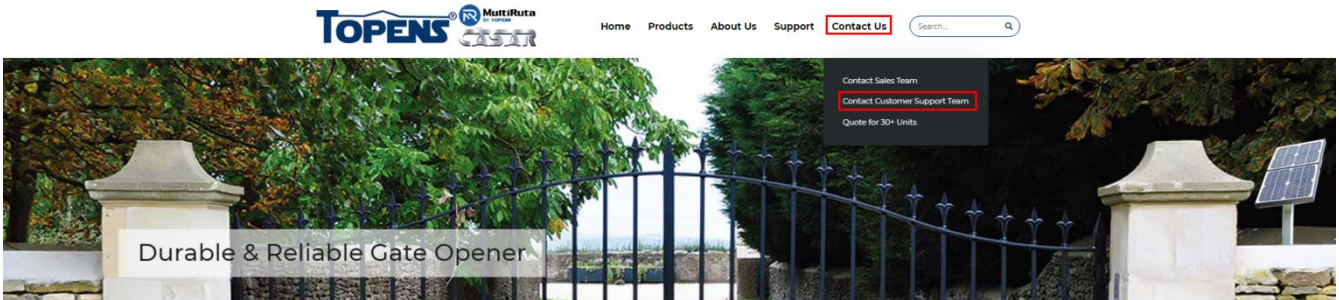
Email: [support@topens.com](mailto:support@topens.com)

- ★ Please read and follow all warnings, precautions and instructions before installation and use.
- ★ Save this manual.



# CONTACT US:

Visit: [www.topens.com](http://www.topens.com)



**Please record the product model, your email address etc.**

**in the spaces provided below. Refer to this list when contacting TOPENS for technical service or assistance with your automatic gate opener.**

**Where did you purchase? (Amazon.com; Amazon.ca: Amazon.co.uk, Amazon.de; Other, Please Specify)**

<b>Order#</b>	<b>Product Model</b>	<b>Purchase Date</b>
<b>Full Name</b>	<b>Phone#</b>	<b>Email Address (VERY IMPORTANT)</b>
<b>Street Address, Apartment /Unit, City, State /Province, Zip Code</b>		<b>Country/Region</b>
		<b>Did you purchase any accessories? (Please list below)</b>
<b>Issue Details</b>		

**Email Us: [support@topens.com](mailto:support@topens.com)**

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# Technical Specifications & Features

Specifications	
Input Voltage:	110 - 120V/60Hz or 220 - 240V/50Hz
Motor Voltage:	24VDC
Light Power:	120V or 230V, 10-15W (subject to consumer area)
Operation Speed:	120mm/s (4.7 in/s)
Frequency:	433.92MHz
Standby Power:	<8W
Rated Force:	300N
Max. Force:	800N
Headroom Required:	30mm (1.2 in)


## Features:

- Stop in case of obstruction during gate opening
- Reverse in case of obstruction during gate closing
- Soft start and soft stop (each soft period can Not be adjusted).

## Optional Accessories Parts List (Available at TOPENS Store)

 <p>M12 Remote Control</p>	 <p>ERM12 External Receiver</p>	 <p>TC186-R WiFi Smartphone Remote Control with Camera</p>	 <p>TC186 WiFi Smartphone Remote Control with Camera</p>
 <p>TKP3 Wireless Keypad</p>	 <p>TC175P Wired Keypad</p>	 <p>HLR01 HomeLink Remote Control Kit</p>	 <p>TC173 Wireless Push Button</p>
 <p>TC147 Wired Push Button</p>	 <p>TRF3 Reflection Photocell Sensor</p>	 <p>TC102 Photo Eye Beam Sensor</p>	

## Replacement Parts

 <p>CKMJ2A Control Board</p>			
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**WARNING:** Changes or modifications not expressly specified by this user manual, TOPENS could void the warranty of this equipment.

# Start by Reading These Important Safety Rules



These safety alert symbols mean WARNING—a personal safety or property damage instruction.

Read these instructions carefully.

This garage door opener is designed and tested to offer reasonable safe service provided it is installed and operated in strict accordance with the following safety rules.

Failure to comply with the following instructions may result in serious personal injury or property damage.

The garage door opener is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for this safety.

**WARNING:** If your garage has no service entrance door, an Outside Quick Release must be installed. This accessory allows manual operation of the garage door from outside in case of power failure.

<p> Keep garage door balanced. Sticking or binding doors must be repaired. Garage doors, door springs, cables, pulleys, brackets and their hardware are under extreme tension and can cause serious personal injury. Do not attempt to loosen, move or adjust them. Call for garage door service.</p> <p> Do not wear rings, watches, or loose clothing while installing or servicing a garage door opener.</p> <p> Before installing the garage door opener, remove all unnecessary ropes or chains and disable any equipment, such as locks, not needed for powered operation. Check that the door is in good mechanical condition, correctly balanced and opens and closes properly. Installation and wiring must be in compliance with your local building and electrical codes. Connect the power supply cord only to properly earthed mains.</p> <p> Lightweight doors of fiberglass, aluminum or steel must be substantially reinforced to avoid door damage. The best solution is to check with your garage door manufacturer for an opener installation reinforcement kit.</p> <p> Important safety instructions. Follow all instructions since incorrect installation can lead to severe injury.</p> <p> This unit should not be installed in a damp or wet space.</p> <p> After installation, ensure that the mechanism is properly adjusted and that the opener reverses when the door contacts a 100mm(4”) high object placed on the floor. Failure to properly adjust the opener may result in serious personal injury from a closing garage door. Each month check that the opener reverses when the door contacts a 100mm (4”) high object placed on the floor for opener incorporating an entrapment protection system depending on contact with the bottom edge of the door. Adjust if necessary and recheck since an incorrect adjustment may present a hazard.</p> <p> After installation, ensure that parts of the door do not extend over public footpaths or roads.</p> <p> The opener must not be used with a door incorporating a wicket door (unless the opener can not be operated with the wicket door open.)</p>	<p> Frequently examine the installation, in particular check cable, springs and mountings for signs of wear, damage or imbalance. Do not use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury.</p> <p> Fasten the child warning label adjacent to the lighted door control button as a reminder of safe operating procedures. Disengage all existing garage door locks to avoid damage to garage door.</p> <p> Install any fixed control at a height of at least 1.5m and within sight of the door but away from moving parts and out of the reach of children. Permanently fix the labels warning against entrapment in a prominent place or near any fixed controls. Children should be supervised to ensure that they do not play with the appliance. Do not allow children to play with door controls. Keep remote controls away from children. Serious personal injury from a closing garage door may result from misuse of the opener.</p> <p> Activate opener ONLY when the door is in full view, free of obstructions and opener is properly adjusted. No one should enter or leave the garage while the door is in motion. Do not allow children to play near the door. Watch the moving door and keep people away until the door is completely opened or closed.</p> <p> Install the actuating member for the manual release at a height less than 1.8m. Use manual release only to disengage the trolley and, if possible, ONLY when the door is closed. Do not use the red handle to pull the door open or closed.</p> <p> Take care when operating the manual release since an open door may fall rapidly due to weak or broken springs or being out of balance.</p> <p> The opener must not be used with a door having opening exceeding 10 mm (0.4”) in diameter or having edges or protruding parts a person could grip or stand on.</p> <p> Disconnect the supply when cleaning or carrying out other maintenance.</p> <p> This product is provided with a transformer and power supply cord of special design which, if damaged, MUST be replaced by a transformer from your local distributor and fitted by a specialist.</p>
<p><b>SAVE THESE INSTRUCTIONS</b></p>	

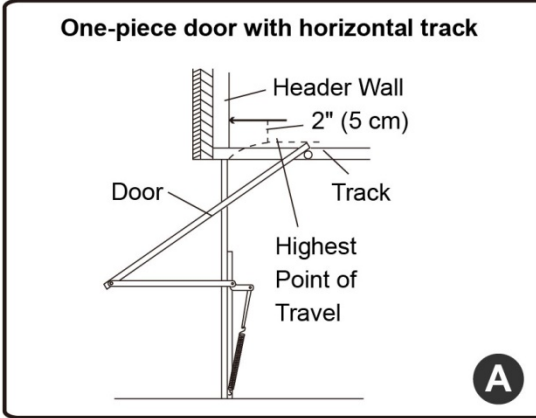
# 1. Before You Begin

- ✦ **Look at the wall or ceiling above the garage door. The header bracket *MUST* be securely fastened to structural supports. It is easier to fit this door opener while the garage door is in the closed position and before you set the control board.**
- ✦ **Do you have a finished ceiling in your garage? If so, a support bracket and additional fastening hardware (not supplied) may be required..**
- ✦ **Do you have an access door in addition to the garage door? If not, an Outside Quick Release Accessory is required.**

## 1.1 Door Types

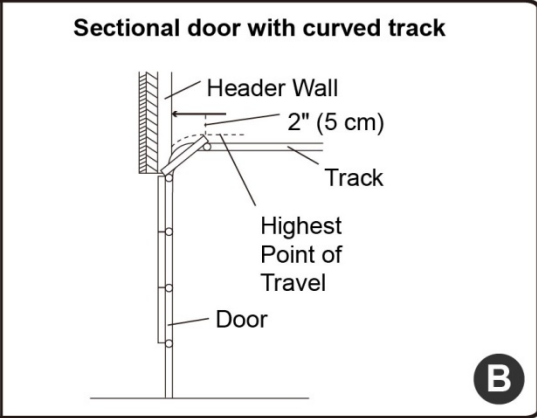
1.1

**One-piece door with horizontal track**



**A**

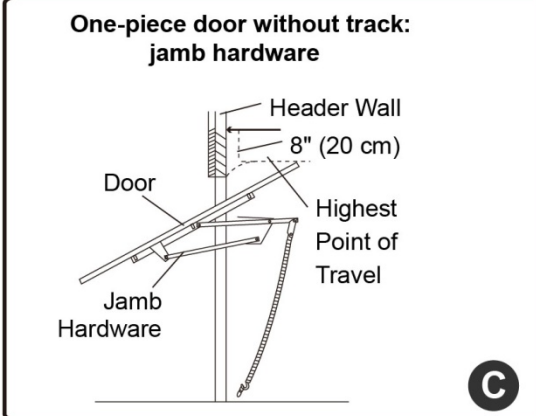
**Sectional door with curved track**



**B**

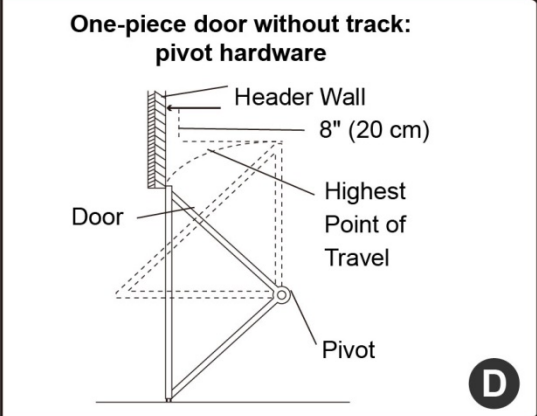
**Our opener can be directly used for A-type and B-type doors.  
For C-type and D-type doors, *Additional Bow Arm* needs to be purchased to function properly.**

**One-piece door without track:  
jamb hardware**



**C**

**One-piece door without track:  
pivot hardware**

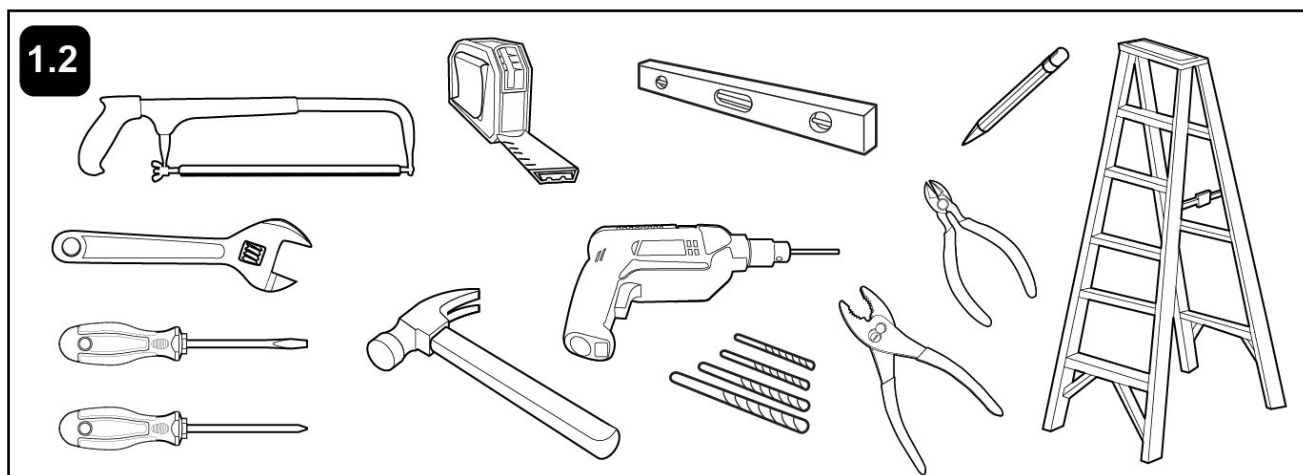


**D**

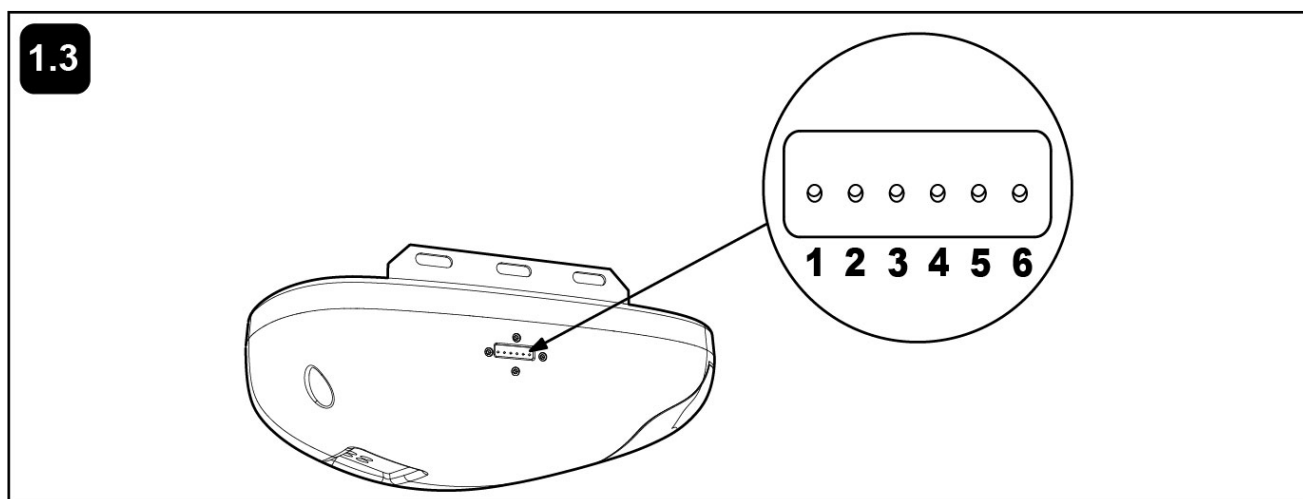
Max. Door Height: 7.5 feet (2.3 m)

Max. Door Area: 129.2 ft<sup>2</sup> (12 m<sup>2</sup>)

## 1.2 Tools Required for Installation



## 1.3 Accessories Connection



There is Connecting Wire Terminal in the unit's side as picture 3, the function is as follows:

Terminal 1 for DOOR CONTROL BUTTON

Terminal 2 for DOOR CONTROL BUTTON

Terminal 3 for SAFETY PHOTOCELL BEAM (SPB)

Terminal 4 for SAFETY PHOTOCELL BEAM (SPB)

Terminal 5 for positive of Additional 24VDC Power Source

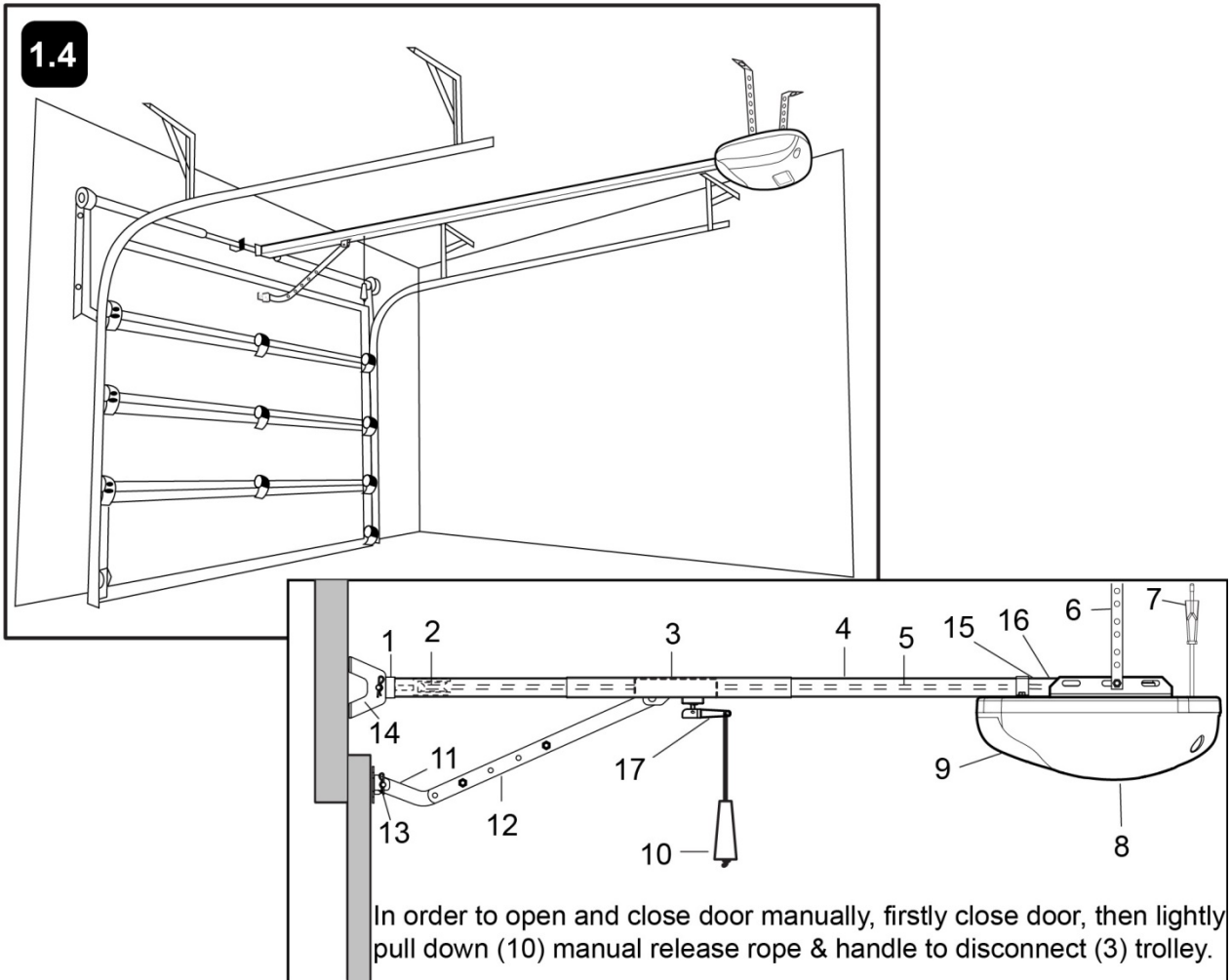
Terminal 6 for negative of Additional 24VDC Power Source

**NOTE:** The output current of port 5 and 6 is less than 100mA.



## 1.4 Completed Installation

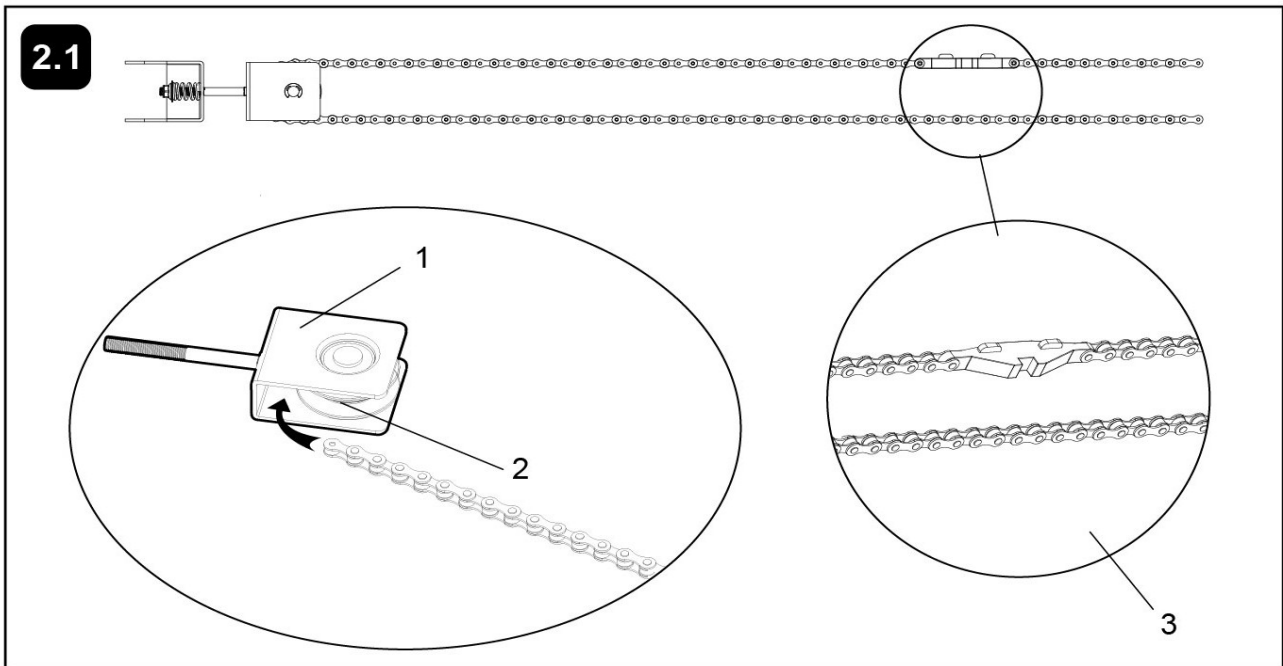
As you proceed with the assembly, installation and adjustment procedures in this manual, you may find it helpful to refer back to this illustration of a completed installation.



NO.	Name	NO.	Name
1	Header Sleeve	10	Manual Release Rope & Handle
2	Idler Pulley Bracket	11	Curved Door Arm
3	Trolley	12	Straight Door Arm
4	Rail	13	Door Bracket & Plate
5	Chain	14	Header Bracket
6	Hanging Bracket	15	Driving Wheel
7	Power Cord	16	Wheel Base
8	Opener	17	Rope's Lever
9	Light Lens		

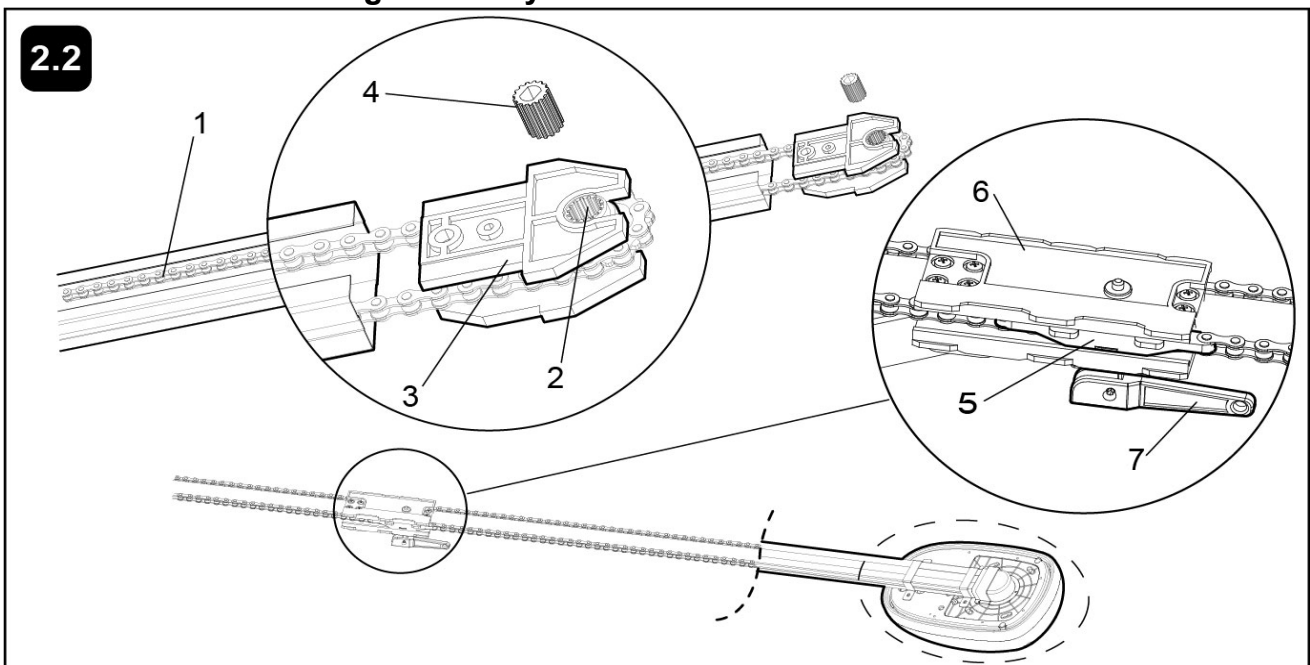
## 2. ASSEMBLY SECTION

### 2.1 Open the Chain Package



Drill the one end of chain through the space between the pulley bracket (1) and Idler pulley (2), wrapping it round the idler pulley (2). Then connect live knots in both ends of the Chain to both ends of the chain connector (3). Finally push Idler pulley bracket (1) into the rail section which is with holes.

### 2.2 Assemble the Driving Assembly

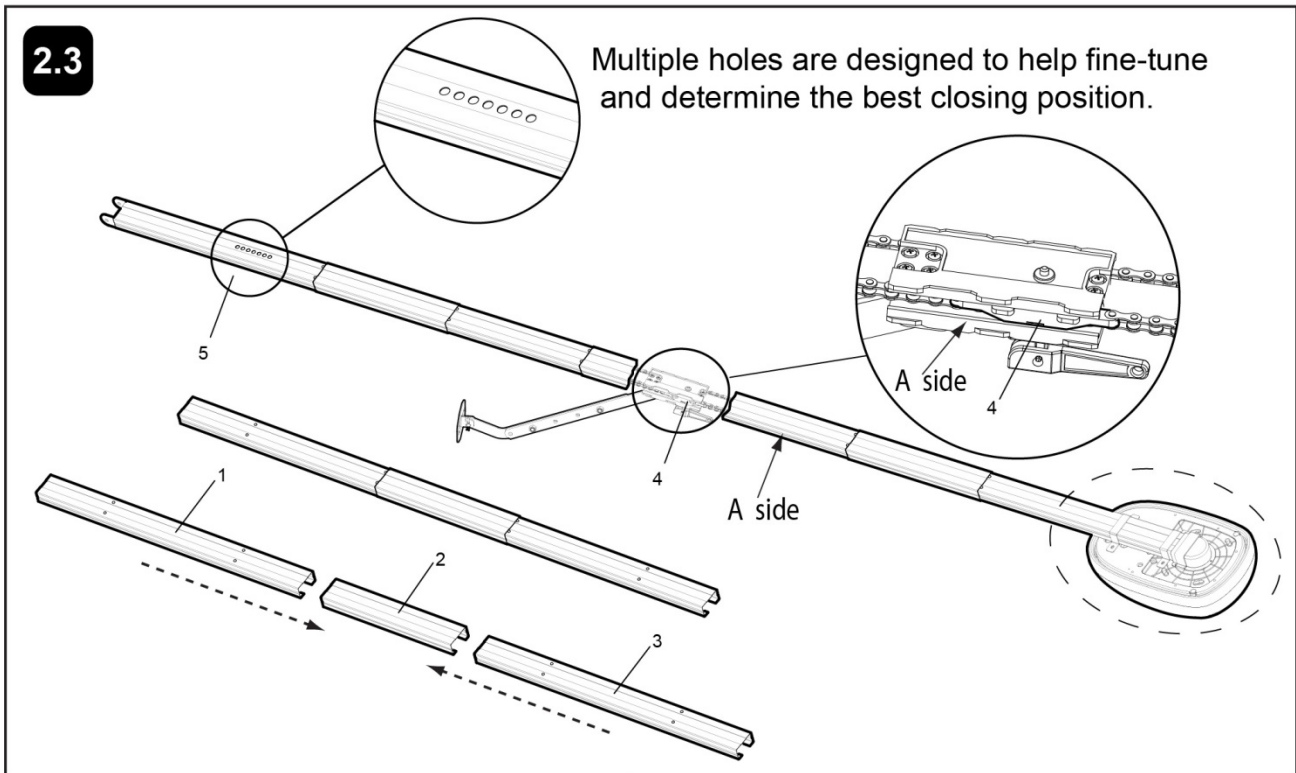


The driving assembly (consisting of driving wheel (2), wheel base (3) and splined sleeve (4)) has been well assembled in the factory. Assemble the Chain in each end of the trolley (6), and then put them in the rail. Trolley (6) and chain connector (5) should lock together.

**NOTE:** Rope's lever (7) should be toward the door opener unit.

Wrap the chain round the driving wheel (2), and push the driving assembly into the rail.

### 2.3 Assemble the Rail

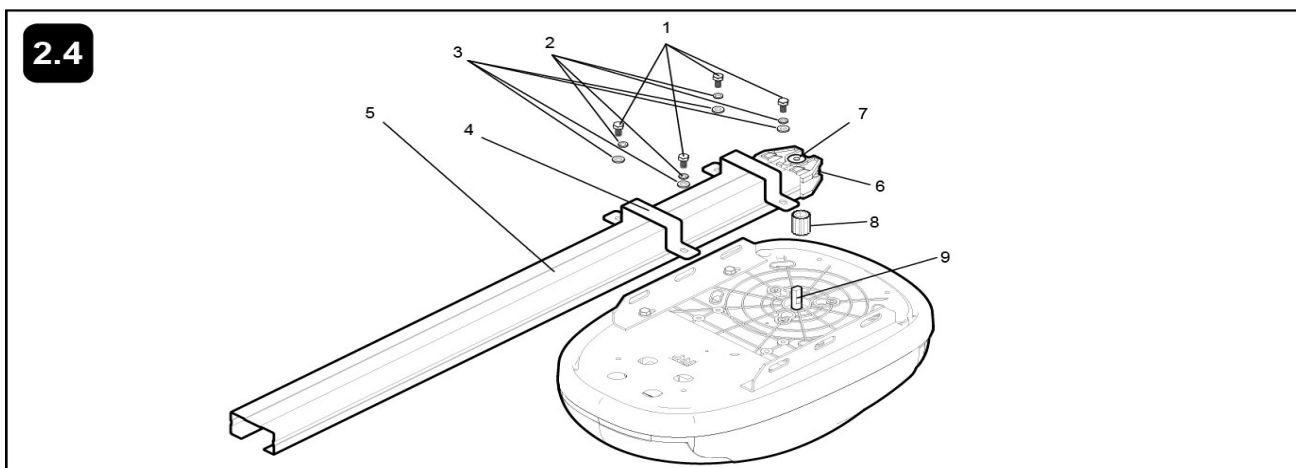


Wear protective gloves when assemble the rail to protect your hands from possible injury from the edge of the rail.

Place rail pieces (1) on flat surface for assembly. All four rail sections are interchangeable. Slide rail brace (2) onto rail section. Connect rail by sliding rail brace onto next rail section. Tap rail assembly on piece of wood until rail sections are flush. Repeat with remaining rail sections. Please check whether the chain connector (4) is on the A side as picture shows.

**NOTE:** Check if the rail section with holes (5) is in the farthest end from the opener.

## 2.4 Fasten Rail to Opener and Install Chain

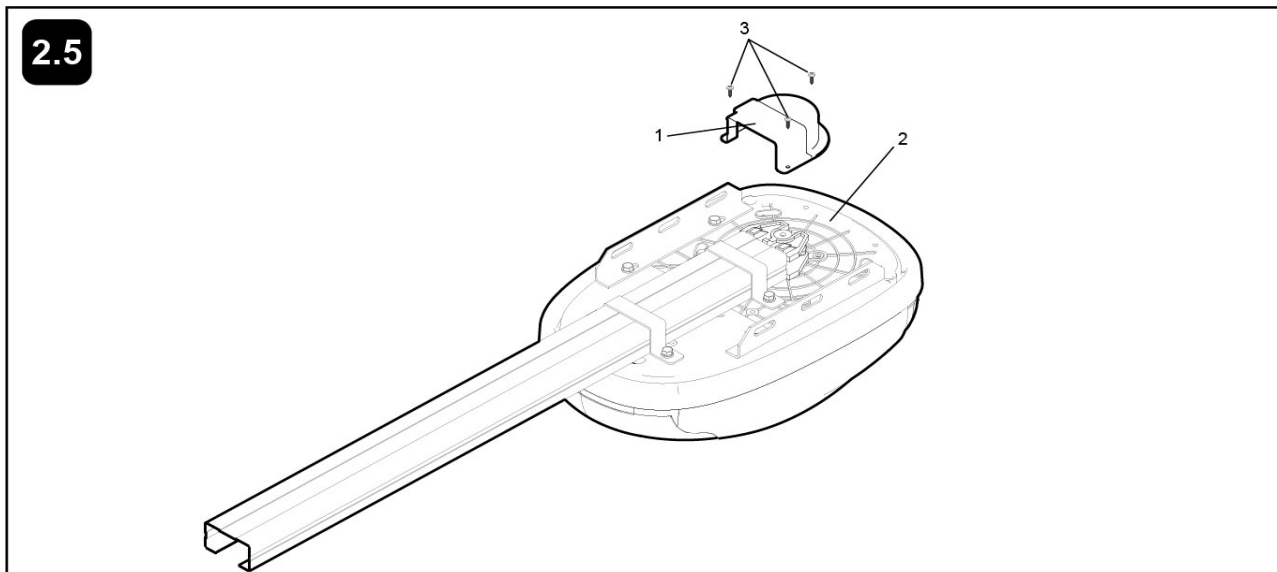


Insert four bolts (1) into the holes of brackets (4), secure with elastic washer (2) and washer (3). Place rail (5) on opener. Wrap chain (6) over sprocket (7). Push idler pulley bracket assembly toward front of the rail to eliminate excess slack in chain. Insert the splined sleeve (8) into sprocket (7). Put the splined sleeve (8) onto the output shaft (9). Align bolt holes on brackets (4) with bolt holes on opener. Secure brackets to opener with previously removed bolts. Tighten bolts securely. The opener sprocket teeth must engage the chain.

**CAUTION:** Use only those bolts mounted in the top of opener. Use of any other bolts will cause serious

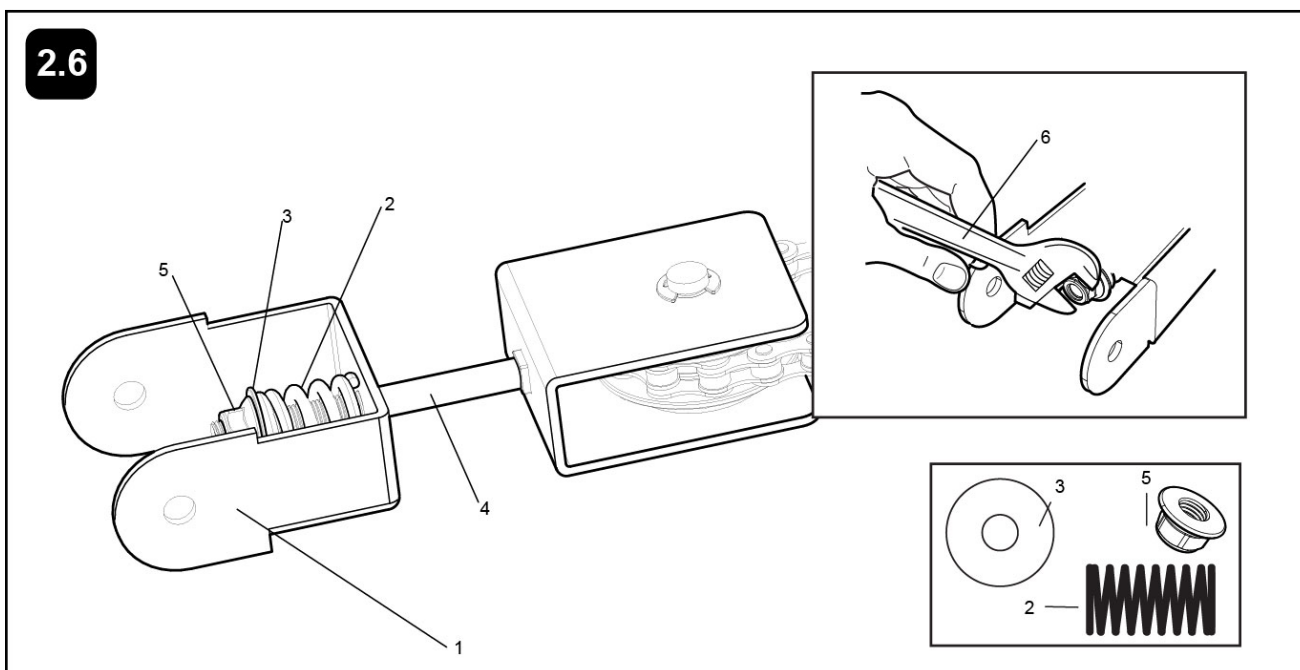
damage to opener.

## 2.5 Attach Sprocket Cover



Place sprocket cover (1) on top of the opener (2), secure with screws (3).

## 2.6 Install Header Sleeve and Tighten Chain



Slide header sleeve (1) onto rail. Slide flat washer (3), spring (2) and washer (3) onto carriage bolt (4). Thread nut (5) onto carriage bolt until finger tight. Use an open end wrench (6) to tighten nut until the chain is not against the inside surface of the rail.

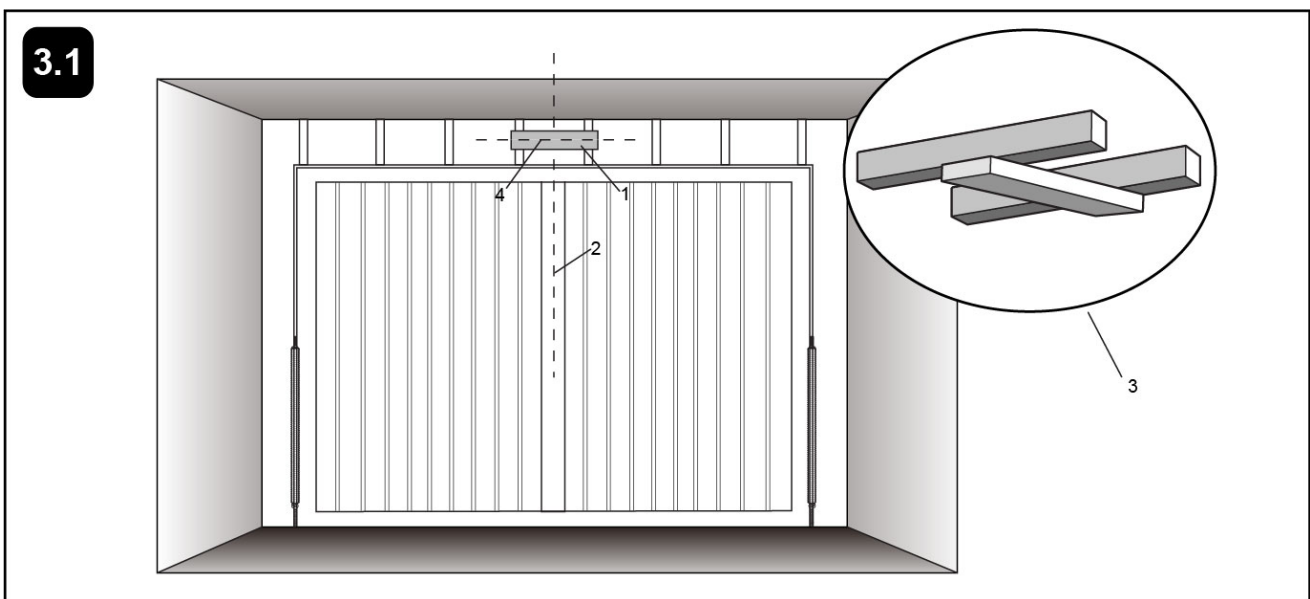
**ASSEMBLY OF YOUR OPENER IS NOW COMPLETE.**

### 3. INSTALLATION SECTION

- ✧ *Wear protective goggles when working overhead to protect your eyes from injury.*
- ✧ *Disengage all existing garage door locks to avoid damage to garage door. To avoid serious personal injury from entanglement, remove all ropes connected to garage door before installing opener.*
- ✧ *Installation of this product shall comply with ZH1/494, VDE 0700 Part 238, and VDE 0700 Part 1. It is recommended that the opener be installed 2.1m (7 feet) or more above the floor where space permits.*

#### 3.1 Position the Header Bracket

*The header bracket must be rigidly fastened to a structural support of the garage. Reinforce the wall or ceiling with a 40 mm (1-1/2") board if necessary. Failure to comply may result in improper operation of safety reverse system.*



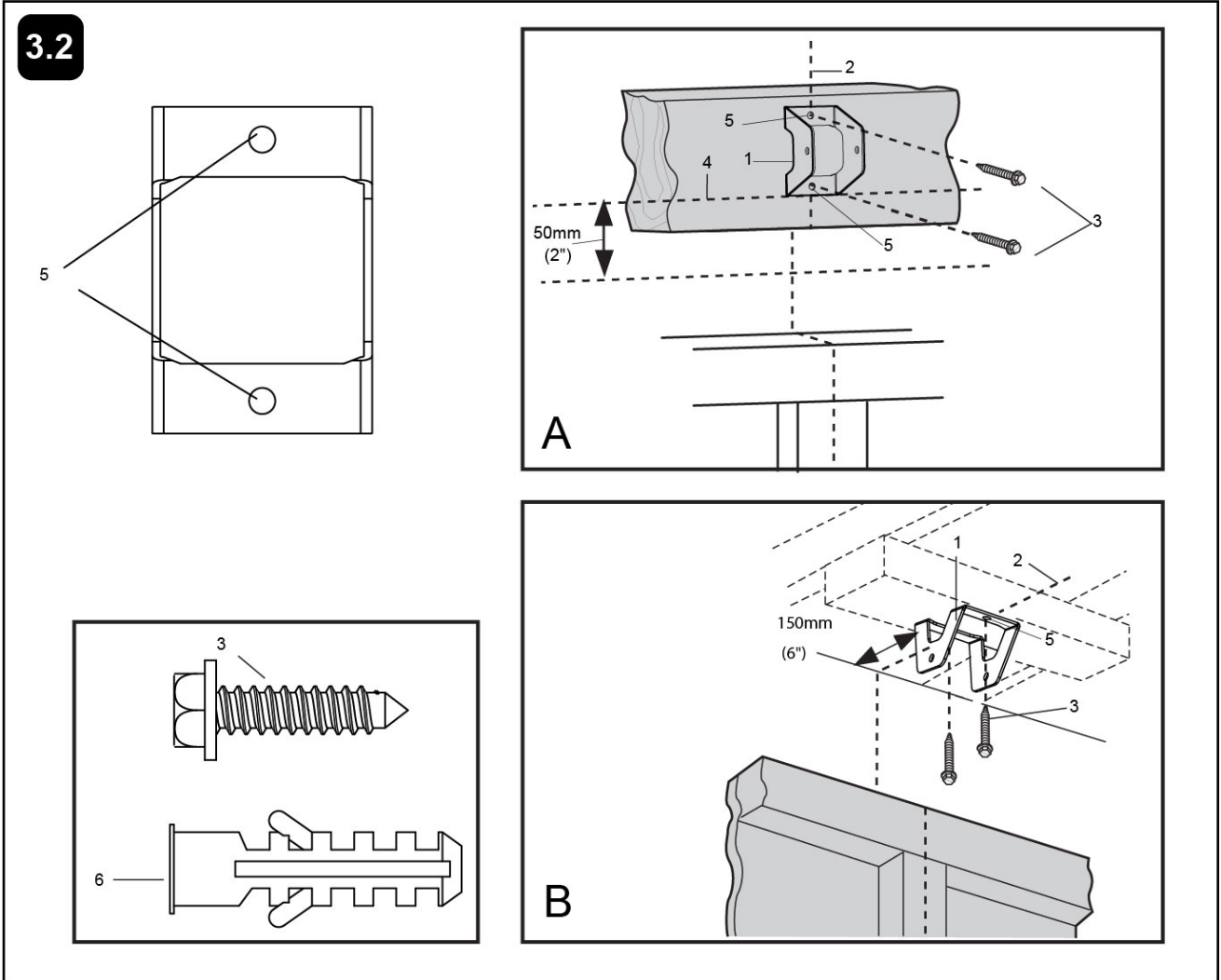
You can attach the header bracket either to the header wall (1) or to the ceiling (3). Follow the instructions which will work best for your particular requirements.

With the door closed, mark the vertical centerline (2) of the garage door. Extend line onto header wall above the door.

Open door to highest point of travel. Draw an intersecting horizontal line (4) on header wall 5 cm (2") above high point to provide travel clearance for top edge of door.

### 3.2 Install the Header Bracket

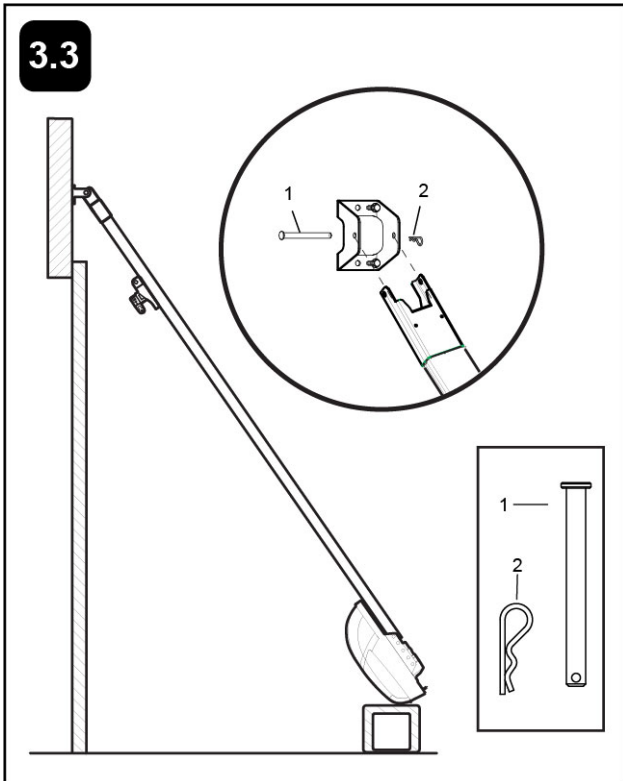
**NOTE:** Refer to vertical center and horizontal lines created in step 10 for proper placement of header bracket.



**A. Wall Mount:** Center the header bracket (1) on the vertical center line (2) with the bottom edge of the header bracket on the horizontal line (4) (with the arrow pointing toward the ceiling). Mark all of the header bracket holes (5). Drill 4.5 mm (3/16") pilot holes and fasten the header bracket with wood screws (3).

**B. Ceiling Mount:** Extend vertical center line (2) onto the ceiling. Center the header bracket (1) on the vertical mark no more than 150 mm (6") from the wall. Make sure the arrow is pointing toward the opener. Mark all of the header bracket holes (5). Drill 4.5 mm (3/16") pilot holes and fasten the header bracket with wood screws (3). For concrete ceiling mount, use concrete anchors (6) provided.

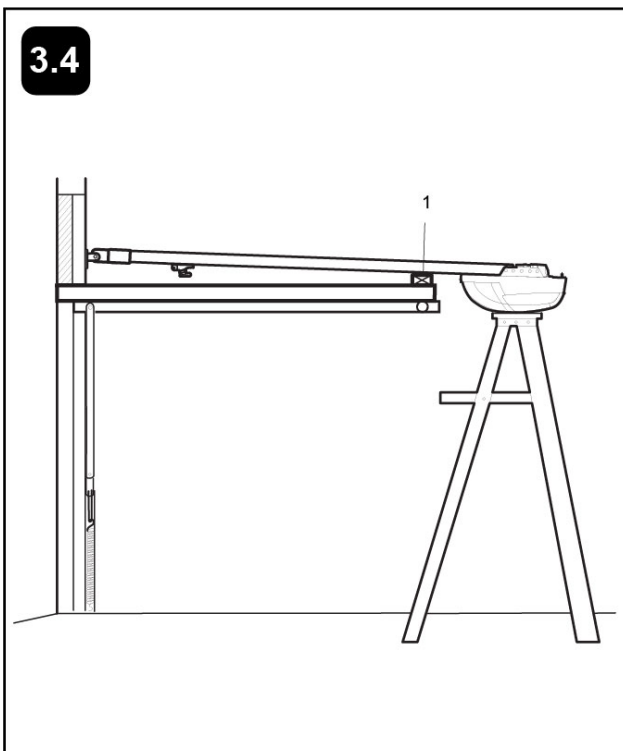
### 3.3 Attach Rail to Header Bracket



Position opener on garage floor below the header bracket. Use packing material to protect the cover. Raise rail until holes in the header sleeve and holes in the header bracket align. Join with clevis pin (1). Insert "R" pin (2) to secure.

**NOTE:** To enable the rail to clear sectional door springs, it may be necessary to lift opener onto a temporary support. The opener must either be secured to a support or held firmly in place by another person.

### 3.4 Position the Opener

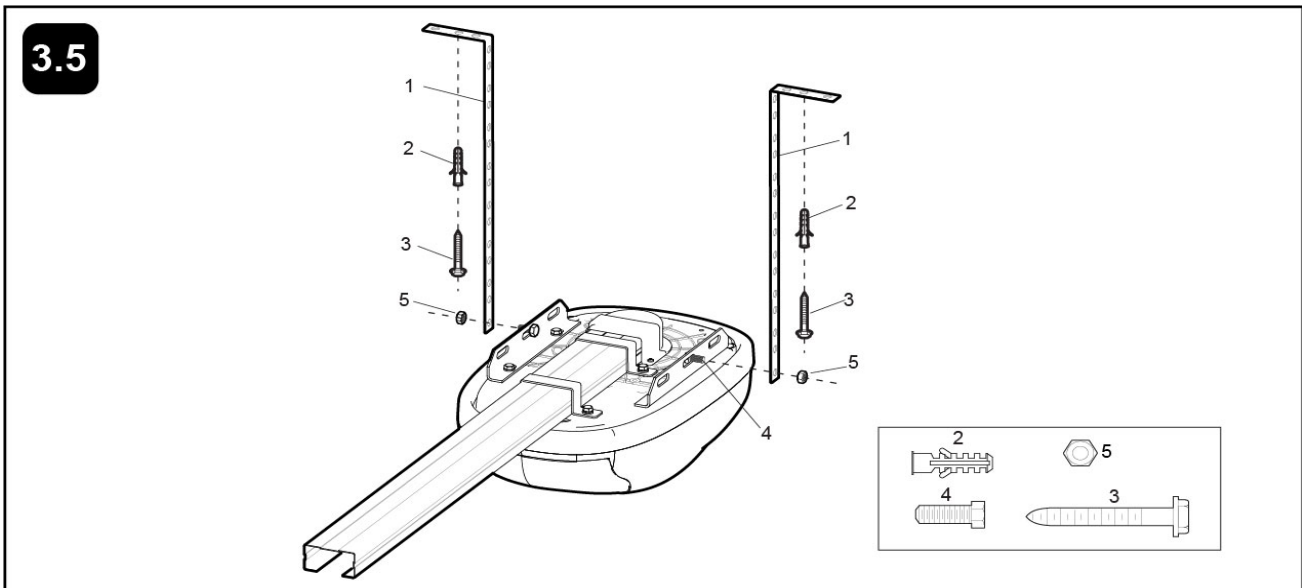


Raise the opener onto a stepladder. Open garage door. Place a 25mm (1") board (1) laid flat on the top section of door near the centerline as shown. Rest the rail on the board.

If the raised door hits the trolley, pull down on the trolley release arm to disconnect the inner and outer trolley sections. The trolley can remain disconnected until connecting door arm to trolley is completed.

**NOTE:** A 25mm (1") board (1) is convenient for setting an ideal door-to-rail distance (unless headroom is not sufficient).

### 3.5 Hang Opener

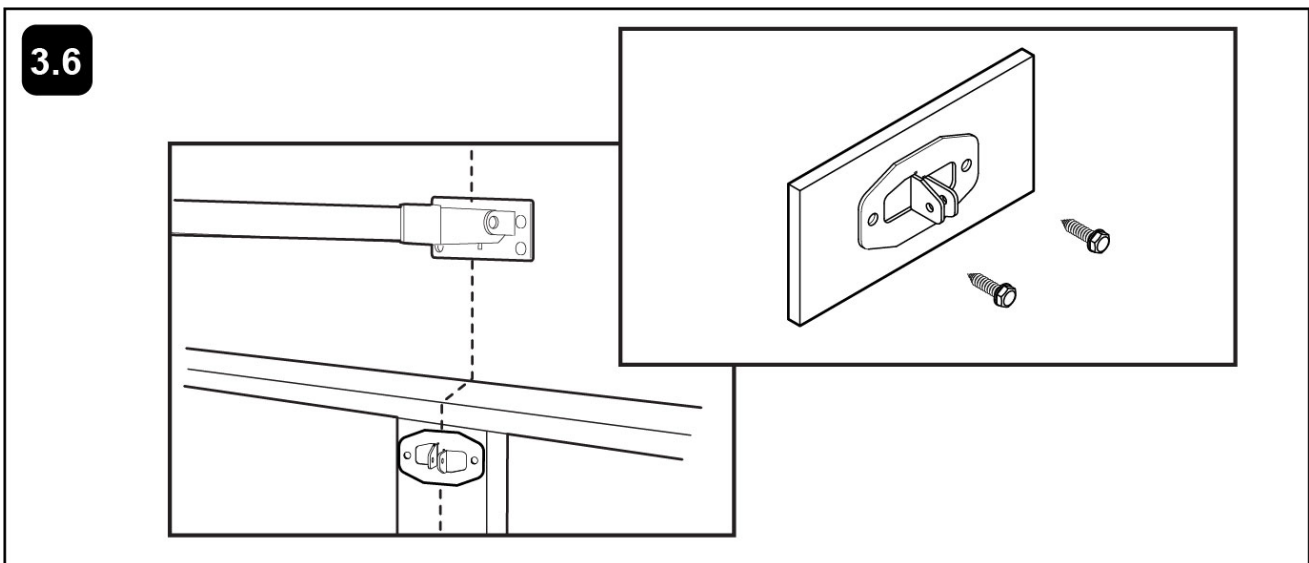


Bend Hanging Brackets (1) so they are flat against ceiling. Measure distance from Header Bracket to Ceiling Mounting Bracket Bolts (4). Mark length on ceiling starting at the Header Wall, along this point is where the unit will be mounted. Lift door to full open position, rest opener on door. Slide Hanging Brackets on to Ceiling Mounting Bracket Bolts (4) on the opener. Secure Brackets with Nut (5). For concrete ceilings, drill 8mm(0.3") pilot holes into ceiling and insert Concrete Anchors (2). Secure Hanging Brackets to ceiling with Lag Screws (3). For wood ceilings, drill 4mm(0.16") pilot holes and secure with Lag Screws (3).

### 3.6 Fasten Door Bracket

*If you have a canopy garage door, a door arm conversion kit is required. Follow the installation instructions included with the replacement door arm. Exercise care in removing and assembling arm conversion kit. Keep fingers away from the sliding parts.*

**NOTE:** Horizontal and vertical reinforcement is needed for lightweight garage doors.



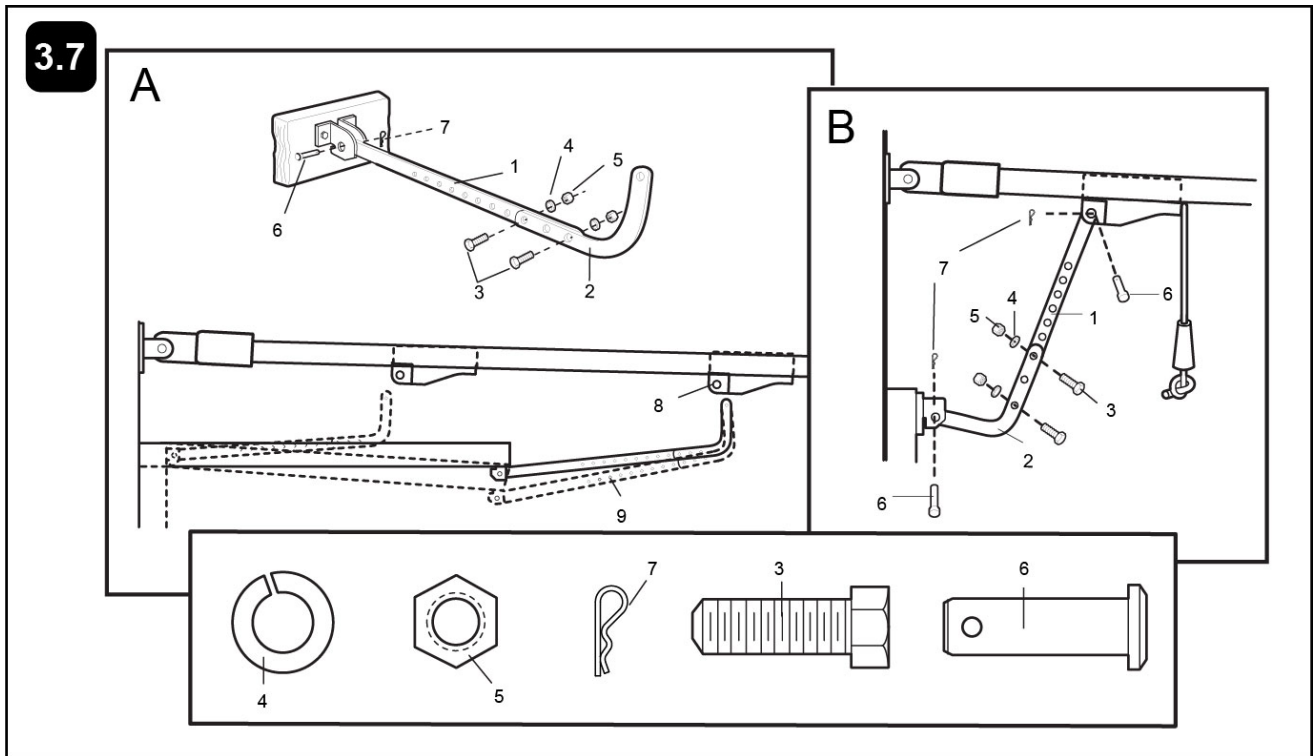


**Sectional and One-Piece Door Installation Procedure:**

Door bracket has left and right side fastening holes. If your installation requires top and bottom fastening holes use both the door bracket and door bracket plate as shown.

Center door bracket (with or without door bracket plate, as required) at the top inside face of door as shown. Mark holes.

**3.7 Assemble Door Arm (NOT Bow Arm)**



**A. ONE-PIECE DOOR INSTALLATION:**

Fasten the straight (1) and curved (2) door arm sections together to the longest possible length (with a 2 or 3 hole overlap) using hardware (3, 4 and 5). With the door closed connect the straight door arm section (1) to the door bracket with clevis pin (6). Secure with "R" pin (7). Disconnect the inner and outer trolley. Slide the outer trolley back toward the opener and join the curved arm (2) to the connector hole in the trolley (8) with clevis pin (6). It may be necessary to lift the door slightly to make the connection. Secure with "R" pin (7).

**NOTE:** When setting the up limit, the door should not have a "backward" slant when fully open. A slight backward slant (9) will cause unnecessary bucking and/or jerking operation as the door is being opened or closed from the fully open position.

**B. SECTIONAL DOOR INSTALLATION:**

Connect according to Figure B, and then proceed to Step A.

### 3.8 Install Door Control (Optional)

Locate door control where the garage door is visible, away from door and door hardware and out of the reach of children. Mount at least 5 feet (1.5 meters) above the floor.

Serious personal injury from a moving garage door may result from misuse of opener. Do not allow children to operate the door control or remote control transmitter.

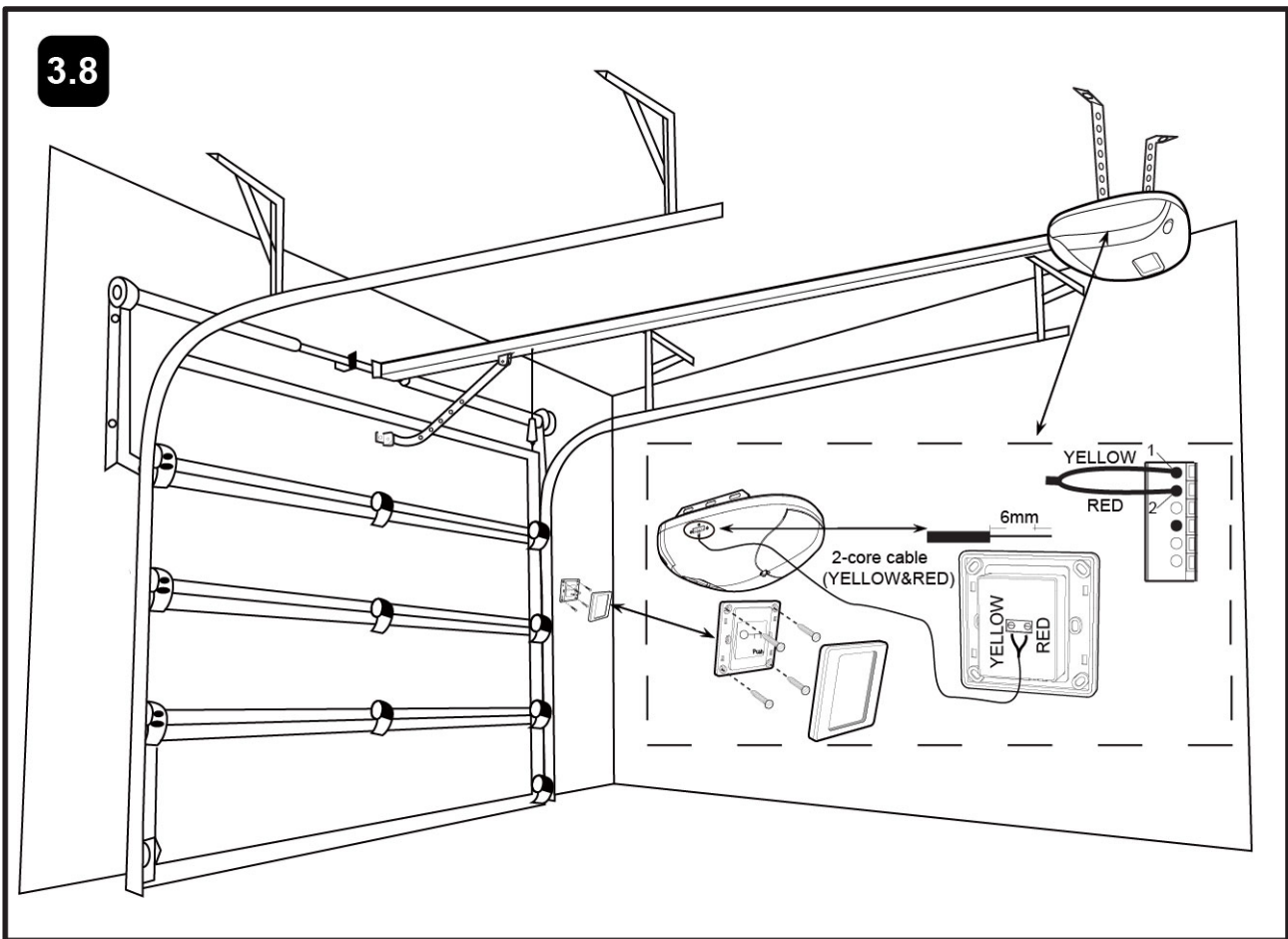
Permanently fasten the caution label permanently to the wall near the door control as a reminder of safe operating procedures.

Fasten the door control to an inside garage wall with sheet metal screws (not provided). A convenient place is beside the service door and out of reach of children.

Use a 2-core cable 2C x 22 AWG (2 x 0.3 mm<sup>2</sup> shielded wire) to connect the push button to the garage door opener regardless of the polarity of terminal 1 & terminal 2.

Run the wire up the wall and across the ceiling to the garage door opener. The receiver quick connect terminals are located on the side of the opener. Connect the wire to the terminals.

Press to open or close the door. Press again to stop the door while moving.

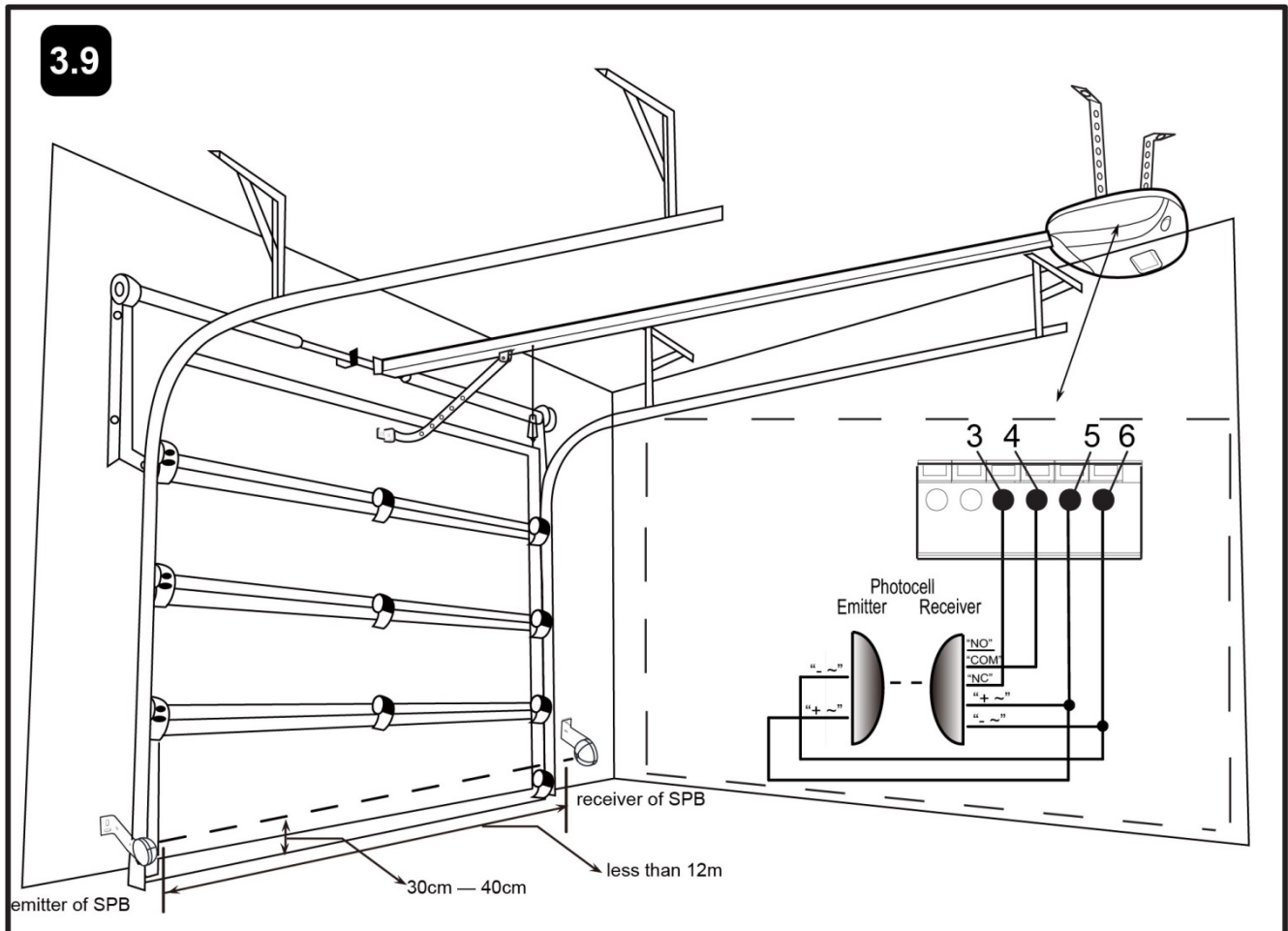


### 3.9 Install the Safety Photocell Beam (SPB) System (Optional)

1. Position the transmitter and receiver at a height of 30-40cm (11.8"-15.7") from the ground. For the best protection, please DON'T exceed the height of 40cm (15.7").

2. If the TC102 photo eye beam sensor is connected, use a 2-core cable to connect the "+ ~" terminal of the photocell's emitter to the terminal 5, the "- ~" terminal to the terminal 6. Also the "+ ~" and "- ~" terminals of the photocell's receiver should be connected to the terminals 5 and 6 in parallel.

Use another 2-core cable to connect the "NC" terminal of the receiver to the terminal 3, the "COM" terminal to the terminal 4.



**NOTE:** The distance between transmitter and receiver should be less than 12m. Or the SPB will fail in function and the door opener wouldn't work normally.

#### IMPORTANT:

If the photocell is not equipped, you must adjust the "0" in LED to ensure the Photocell set is OFF. Otherwise the unit can't work to close at all.

If the photocell is connected, you must adjust the "1" in LED to ensure the photocell set is ON, referring to step 4.6.

## 4. ADJUSTMENT SECTION

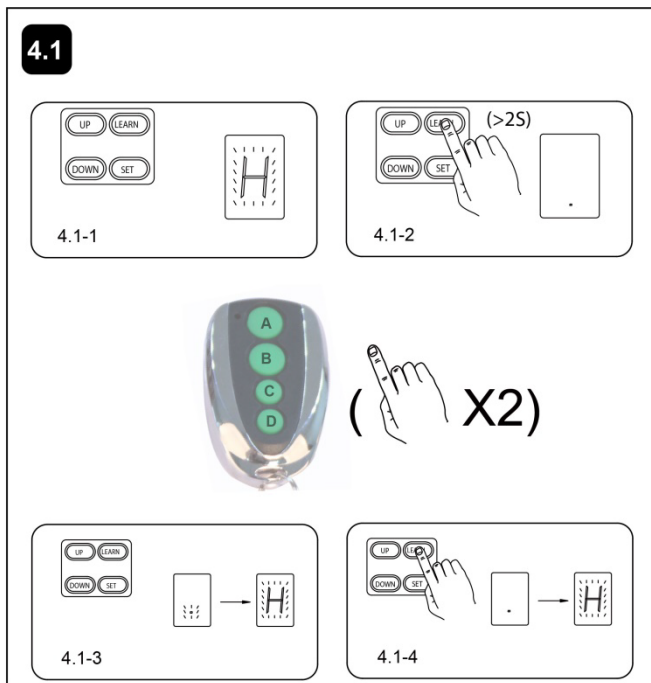
### Program Your Opener & Remote

- ✧ **Activate the opener only when door is in full view, free of obstruction and properly adjusted. No one should enter or leave garage while door is in motion. Do not allow children to operate push button(s) or remote(s). Do not allow children to play near the door.**
- ✧ **Max. 8 remotes can be programmed for the opener. An External Receiver (optional) allows up to 250pcs remotes to be programmed for the opener. TOPENS ERM12 Universal External Receiver is available at TOPENS Store.**
- ✧ **TOPENS ERM12 Universal External Receiver is also compatible with other brand swing gate opener, sliding gate opener and garage door opener.**

Your garage door opener receiver and remote control transmitter are set to a matching code. If you purchase additional remote controls, the garage door opener must be programmed to accept the new remote code.

**NOTE:** Check again for completed and correct assembly of your Opener and Door.

#### 4.1 Learning the code.



1. Connect the Cord Plug to power supply. The Digital Display flashes with “H”, and the Light is ON. The unit is into standby (Pic.4.1-1).

2. Press and hold LEARN button on the Opener for more than 2 seconds, the Digital Display indicates “•” (Pic.4.1-2). Press the key (button) **two times** on the remote control, **between the two times HOLD ON FOR A MOMENT**, and “•” flashes several times before it comes to “H” (Pic. 4.1-3). Now the opener has learned the code.

**NOTE:** If you want the Opener to learn additional remote codes, perform the above steps. The Opener can learn 6 remotes at most.

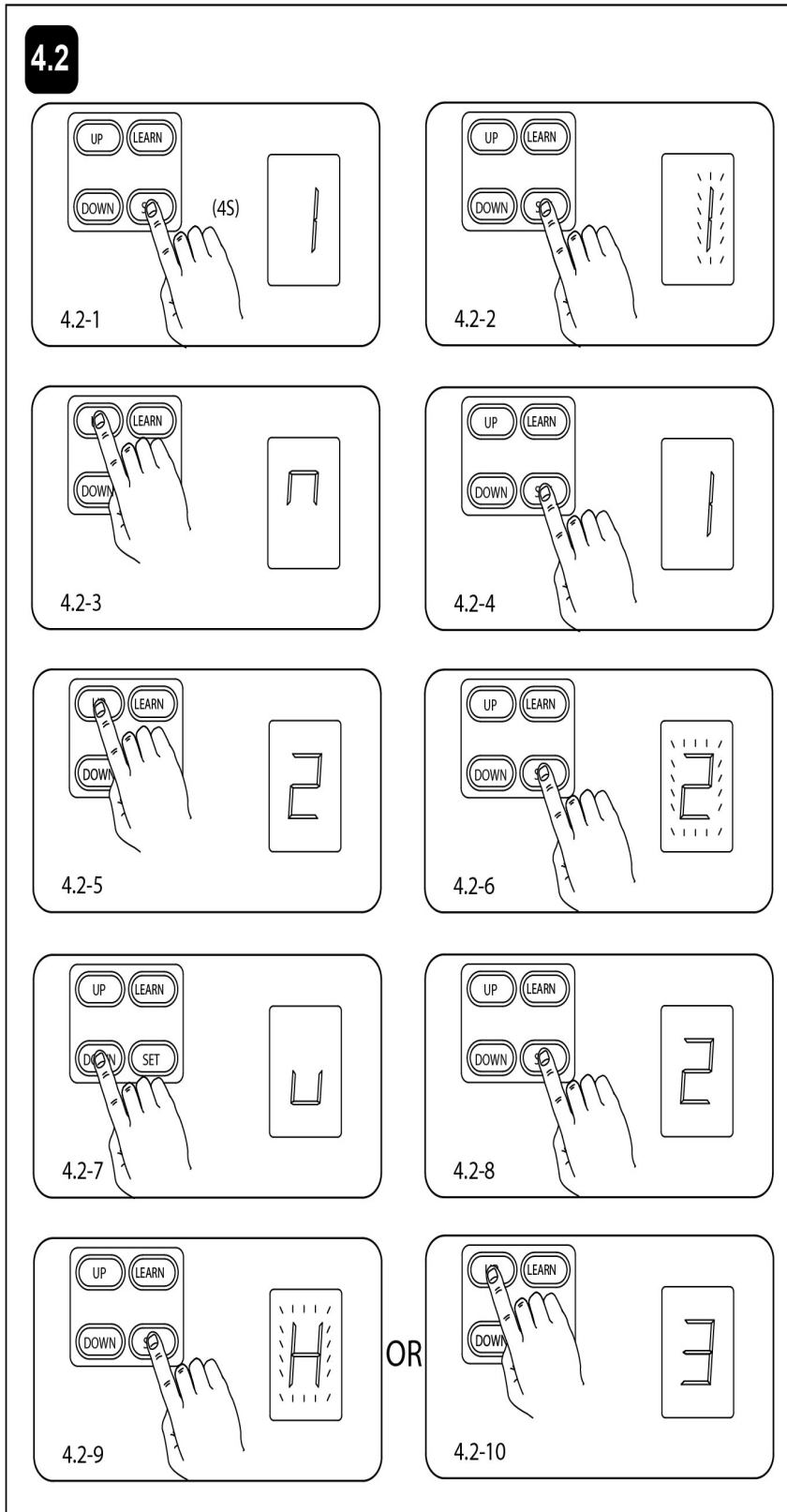
#### To Erase all Remote Control Codes

Press and hold LEARN button on the Opener, the Digital Display indicates “•” before it comes to “H”. The codes are now erased when the Digital Display flashes with “H” (Pic. 4.1-4).

#### How to use the remote to control the opener

Each of the 4 keys in the remote can be programmed to operate the gate opener. The other 3 keys are optional for program to operate another garage door opener, swing/sliding gate opener in our brand. But for sliding gate opener, the Key B is used to achieve the Pedestrian Mode function. When the key has been programmed, you can press it to operate the corresponding opener to work alternately (open-stop-close-stop-open).

## 4.2 Setting the Limits



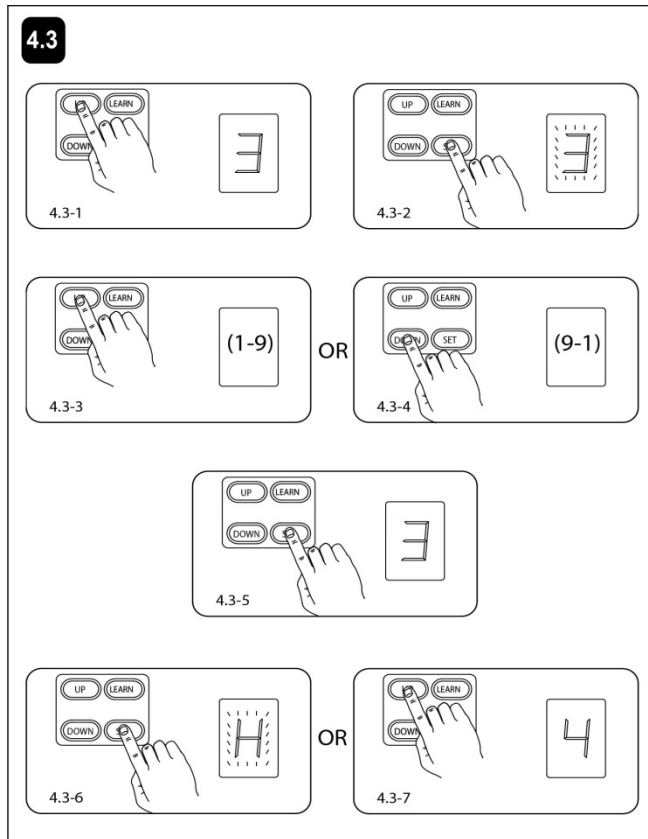
1. Press and hold SET button for more than 4 seconds. The Digital Display indicates “1” (Pic.4.2-1). Press and release SET button again, “1” flashes in the Digital Display (Pic. 4.2-2). Now the unit enters into Limit Setting Mode.

2. Press and hold UP button. The motor travels towards the open position. “n” flashes in the Digital Display indicating the motor moves upward (Pic.4.2-3). Release the button when the desired Open position is set. The motor stops moving. The OPEN position can be adjusted by pressing UP/DOWN button. Press SET button to store the data when the desired OPEN position is set. “1” glows steadily in the Digital Display (Pic.4.2-4). Now setting the OPEN limit is finished.

3. Press UP button and choose figure “2” (Pic.4.2-5). Press and release SET button. The Digital Display indicates “2” with flash (Pic.4.2-6). The unit is ready for setting CLOSE position.

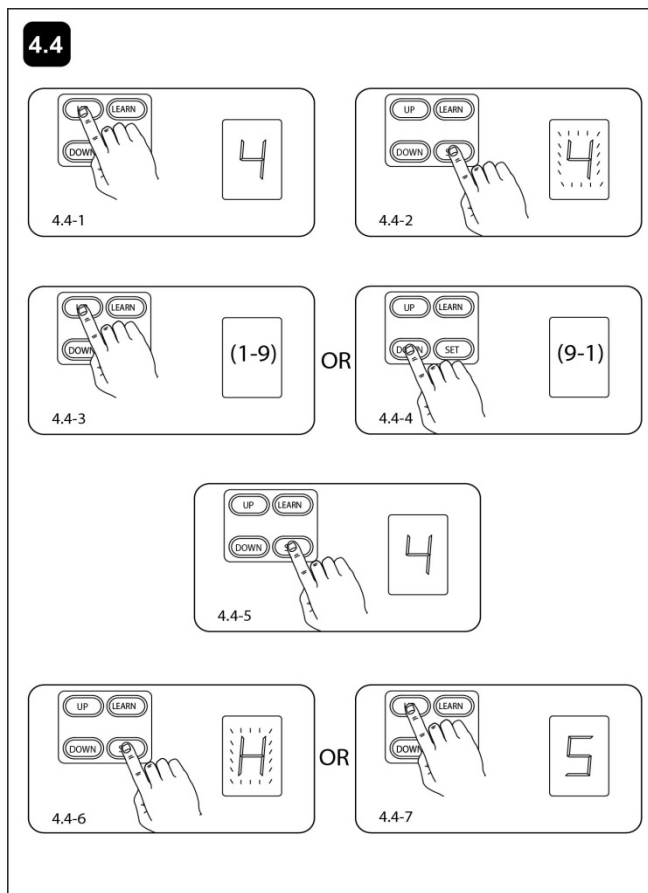
4. Press DOWN button. The motor travels towards the close position. “u” flashes in the Digital Display indicating the motor moves downward (Pic.4.2-7). Release the button when the desired Close position is set. The motor stops moving. The CLOSE position can be adjusted by pressing UP/DOWN button. Press SET button to store the data when the desired CLOSE position is set. “2” glows steadily in the Digital Display (Pic. 4.2-8). The unit is waiting for entering other modes. Press SET button for seconds till “H” appears in Digital Display (Pic.4.2-9). Now Setting the Limits is finished.

### 4.3 Setting the Open Force



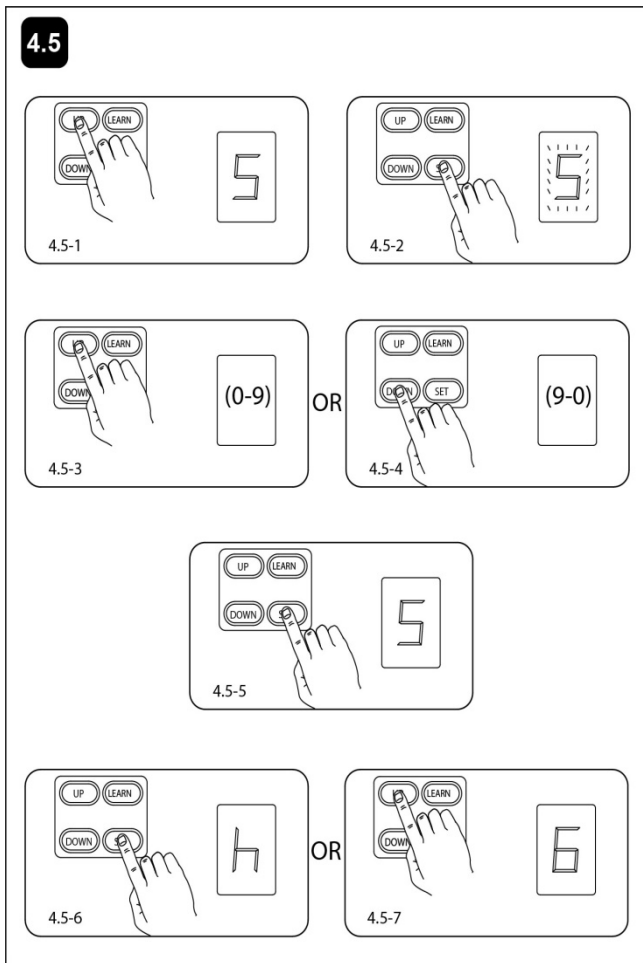
1. Press and hold SET button for more than 4 seconds. The Digital Display indicates “1” (Skip if continuing Open Force Set after the Limits Set is finished).
2. Continually press UP button until the Digital Display indicates “3” (Pic.4.3-1). Press and release SET button. “3” flashes in the Digital Display (Pic.4.3-2). Now the unit enters into Force Adjustment Mode.
3. Press and release UP button. “1” –“9” flashes in the Digital Display (default value is “4”) (Pic.4.3-3) which indicates Open Force level. “1” is the minimum force, and “9” is the maximum force. Each time press and release UP button, the figure is bigger by 1, and the force increases to a higher level. Each time press and release DOWN button, the figure is smaller by 1, and the force decreases to a lower level (Pic.4.3-4).
4. Press SET button to store the data when desired Open Force is set. “3” glows steadily in the Digital Display (Pic. 4.3-5). The unit is ready for setting other parameter. Press SET button for seconds till “H” appears in Digital Display (Pic.4.3-6). Now the Open Force Adjustment is finished.

### 4.4 Setting the Close Force



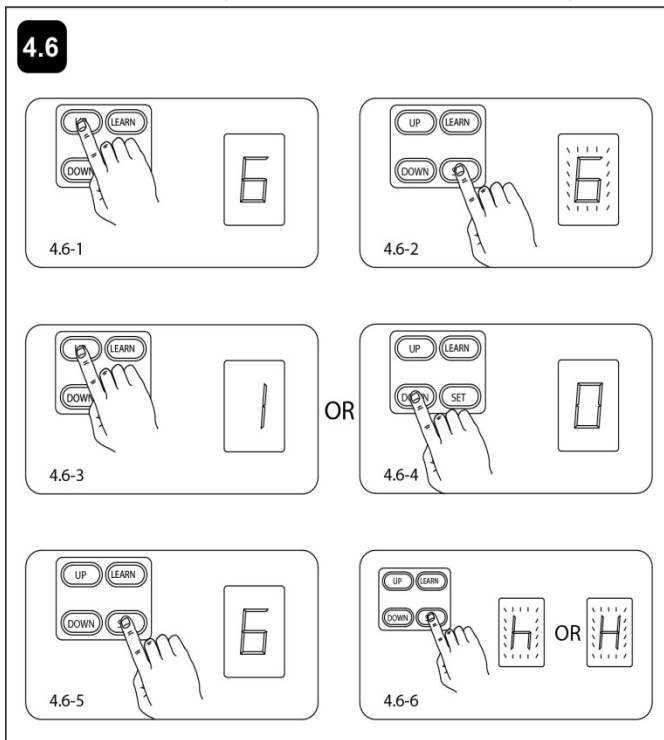
1. Press and hold SET button for more than 4 seconds. The Digital Display indicates “1” (Skip if continuing Close Force Set after the Open Force Set is finished).
2. Continually press UP button until the Digital Display indicates “4” (Pic.4.4-1). Press and release SET button. “4” flashes in the Digital Display (Pic.4.4-2). Now the unit enters into Close Force Setting Mode.
3. Press and release UP button. “1” –“9” flashes in the Digital Display (default value is “4”) (Pic.4.4-3) which indicates Close Force level. “1” is the minimum force, and “9” is the maximum force. Each time press and release UP button, the figure is bigger by 1, and the force increases to a higher level accordingly. Each time press and release DOWN button, the figure is smaller by 1, and the force decreases to a lower level accordingly (Pic.4.4-4).
4. Press SET button to store the data when desired Close Force is set. “4” glows steadily in the Digital Display (Pic.4.4-5). The unit is ready for setting other parameter. Press SET button for seconds till “H” appears in Digital Display (Pic.4.4-6). Now the Close Force Set is finished.

## 4.5 Setting the Automatic Closing Time



**⚠ Important Note:** When the auto close function is enabled, the photocell sensor is highly recommended to be installed with the gate opener for safety.

## 4.6 Set the Safety Photocell Beam (SPB) System (Optional)

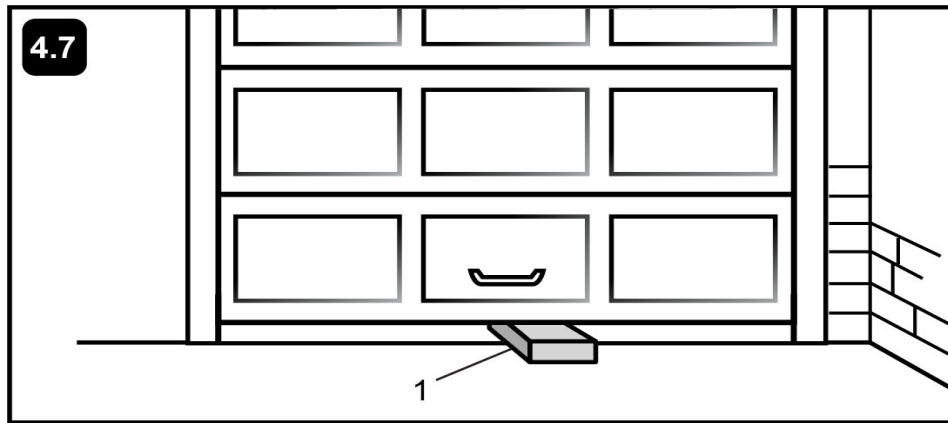


1. Press and hold SET button for more than 4 seconds. The Digital Display indicates "1" (Skip if continuing Closing Time Set after the Close Force Set is finished).
2. Press UP button and choose figure "5" (Pic.4.5-1). Press and release SET button. "5" flashes in the Digital Display (Pic.4.5-2). Now the unit enters into Setting the Automatic Closing Time.
3. Press and release UP button. "0" –"9" flashes in the Digital Display (default value is "0", Automatic Closing function is closed) indicating current automatic closing time (Pic.4.5-3). The minimum time is 1 minute, 9 minutes maximum. Each time press and release UP button, the figure is bigger by 1, and the timing increases by 1 minute accordingly. Each time press and release DOWN button, the figure is smaller by 1, and the timing decreases by 1 minute accordingly (Pic. 4.5-4). When the indication is "0", it means the Automatic Closing function is closed.
4. Press SET button to store the data when desired Automatic Closing Time is set. "5" glows steadily in the Digital Display (Pic.4.5-5). The unit is ready for setting other parameter. Press SET button for seconds till "h" appears in Digital Display (Pic.4.5-6). Now the Automatic Closing Time has been set.

1. Press and hold SET button for more than 4 seconds. The Digital Display indicates "1" (Skip if continuing SPB Set after the Closing Time Set is finished).
2. Press UP button and choose figure "6" (Pic.4.6-1). Press and release SET button. "6" flashes in the Digital Display (Pic.4.6-2). Now the unit enters into Setting the Safety Photocell Beam (SPB) Function.
3. Press and release UP button. The Digital Display indicates "1" (SPB is available).(Pic.4.6-3) Press and release DOWN button. The Digital Display indicates "0" (SPB is null) (Fig.4.6-4).
4. Press SET button to store the data when SPB is set. "6" glows steadily in the Digital Display. (Fig.4.6-5).The unit is ready for setting other parameter. Press SET button for seconds till "H" or "h" appears in Digital Display (Fig.4.6-6). Now Setting the SPB Function is finished.

NOTE: The unit doesn't work until the SPB is equipped and "1" is set in the LED.

## 4.7 Test the Safety Reverse System (Very Important)



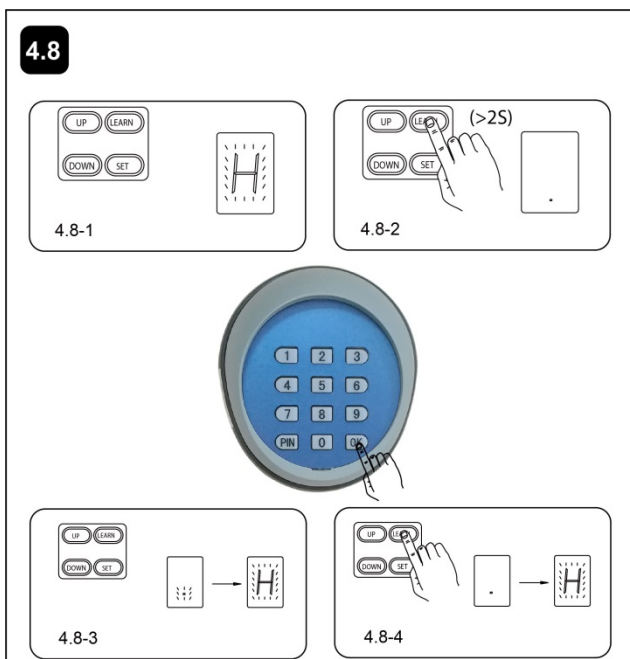
The safety reverse system test is important. Garage door must reverse on contact with a 100mm (4") obstacle laid flat on the floor. Failure to properly adjust opener may result in serious personal injury from a closing garage door. Repeat test once a month and adjust as needed.

Procedure: Place a 100mm (4") obstacle (1) laid flat on the floor under the garage door. Operate the door in the down direction. The door must reverse on the obstruction. If the door stops on the obstruction, remove obstruction and repeat Setting the Limits step 4.2. Repeat test.

When the door reverses on the 100mm (4") obstacle, remove the obstruction and run the opener through a complete travel cycle. Door must not reverse in closed position. If it does, repeat Setting the Limits and Force steps 4.2, 4.3 and 4.4, and repeat safety reverse test.

Place 20 kg (44 lbs) at the center of the door and ensure that the door will not move up more than 500mm (20").

## 4.8 Wireless Keypad Programming (Optional)



You can follow the below steps to program wireless keypad to the opener.

1. Connect the Cord Plug to power supply. The Digital Display flashes with "H", and the Light is ON. The unit is into standby (Pic.4.8-1).

2. Press and hold LEARN button on the Opener for more than 2 seconds, the Digital Display indicates "•" (Pic.4.8-2). press "OK" button on keypad and "•" flashes several times before it comes to "H" (Pic. 4.8-3). Now the opener has learned the keypad.

**NOTE:** If you want the Opener to learn additional keypad, perform the above steps. The Opener can learn 2 keypads at most.

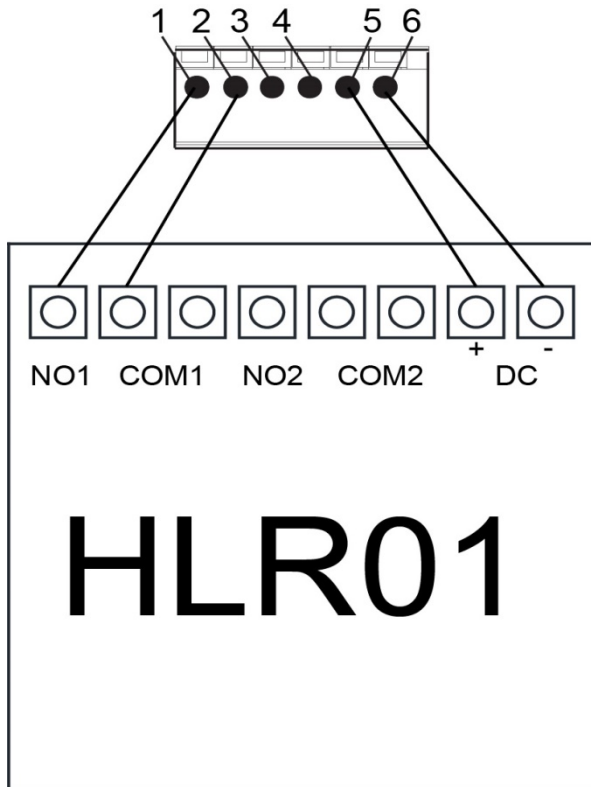
Also you can change the password of the keypad follow the below steps. Press "PIN" and then input the six digits old password and then press "PIN"

again, the Digital Display indicates "•". Input the six digits new password and then press the "PIN" to confirm the new setting, "•" will flash several times before it comes to "H" which indicates the password has been changed successfully. You can press "PIN" "6 digits new password" and then press "OK" to confirm to operate the opener.

**NOTE:** Every step for pressing button during program must be finished within 1 second to ensure successful programming.



#### 4.9 Install HLR01 HomeLink Remote Control Kit (Optional)



Use a 2-core cable to connect the “DC+” terminal of the HLR01 to the terminal 5, the “DC-” terminal to the terminal 6.

Use another 2-core cable to connect the “NO1” terminal of the HLR01 to the terminal 1, the “COM1” terminal to the terminal 2.

#### 4.10 Light Features

The Light is ON automatically when the unit is under operation. The Light will be automatically OFF if no Door Control or Remote is pressed within 3 minutes.

Press the Remote or Wall Switch, the Light is ON. The Light will be also automatically OFF if no Wall Switch or Remote is pressed within 3 minutes.

#### 4.11 Trouble Shooting



**Need help or have questions? DO NOT RETURN to the store.**  
**Visit [www.topens.com](http://www.topens.com) to CONTACT US.**

##### ***Opener doesn't operate from either door control or remote:***

- Does the opener have electric power? Plug lamp into outlet. If it doesn't light, check the fuse box or the circuit breaker. (Some outlets are controlled by a door control.)
- Have you disengaged all door locks? Review installation instruction warnings.
- Is there a build-up of ice or snow under door? The door may be frozen to ground. Remove any obstruction.
- The garage door spring may be broken. Have it replaced.

##### ***Opener operates from remote but not from door control:***

- Is door control button lit? If not, remove the bell wire from the opener terminals. Short the terminals by touching both terminals at the same time with a piece of wire. If the opener runs, check for a faulty wire connection at the door control, a short under the staples, or a broken wire.
- Are wiring connections correct? Review step 3.8.

##### ***Door operates from door control but not from remote:***

- Replace battery if necessary.
- If you have two or more remotes and only one operates, review Program Your Opener and Remote step 4.1.

***Remote has short range:***

- Is battery installed?
- Change the location of the remote control on the car.
- A metal garage door, foil-backed insulation or metal siding will reduce the transmission range.

***Door reverses for no apparent reason and opener light doesn't blink:***

- Is something obstructing the door? Pull manual release handle. Operate door manually. If it is unbalanced or binding, call for professional garage door service.
- Clear any ice or snow from garage floor area where garage door closes.
- Repeat Setting Limits and Force, see adjustment steps 4.2, 4.3 and 4.4. Repeat safety reverse test after adjustment is complete.

***Door reverses for no apparent reason and opener light blinks for 5 seconds after reversing:***

- Check the Safety Photocell Beam (if you have installed this accessory).
- If the light is blinking, correct alignment.

***The garage door opens and closes by itself:***

- Make sure remote push button is not stuck "on".

***Door stops but doesn't close completely:***

- Repeat Setting the Limits, see adjustment step 4.2.
- Repeat safety reverse test after any adjustment of door arm length, close force or close limit.

***Door opens but won't close:***

- Check the Safety Photocell Beam (if you have installed this accessory).  
If the light is blinking, correct alignment.
- If you don't have the "SPB" system, check if the indication in Digital Display is "0" (SPB is null).
- If opener light does not blink and it is a new installation, repeat Setting the Limit and Force steps 4.2, 4.3 and 4.4. Repeat the safety reverse test after the adjustment is complete.

***Opener light does not turn on:***

Replace light bulb (15W maximum). Replace burned out bulbs with rough service light bulbs.

***Opener strains:***

- Door may be unbalanced or springs are broken. **Close door and use manual release rope & handle to disconnect trolley. Open and close door manually.** A properly balanced door will stay in any point of travel while being supported entirely by its springs. If it does not, call for professional garage door service to correct the problem.

***Opener motor hums briefly then won't work:***

- Garage door springs are broken. SEE ABOVE.
- If problem occurs on first operation of opener, door is locked. Disable door lock.

Repeat safety reverse test after adjustment is complete.

**Opener won't activate due to power failure:**

- Pull manual release rope and handle down and back to disconnect trolley. Door can be opened and closed manually. When the power is restored and the opener is activated by remote control, the trolley will reconnect.
- The Outside Quick Release accessory (if fitted) disconnects the trolley from outside the garage in case of power failure.

## 4.12 Care of Your Opener

When properly installed, opener will provide high performance with a minimum of maintenance. It is better to lubricate the chain every six months.

**Limit and Force Settings:** These settings must be checked and properly set when opener is installed. Weather conditions may cause some minor changes in the door operation, requiring some re-adjustments, particularly during the first year of operation.

Refer to *Setting the Limits and Force* on Step 4.2 4.3 and 4.4 . Follow the instructions carefully and **repeat the safety reverse test after any adjustment.**

**Remote Control:** Additional remotes can be purchased at any time for use in all vehicles using garage. Any new remotes must be programmed into the opener.

**Remote Control Battery:** If transmission range lessens, replace battery.

**NOTE:** *If the supply cord is damaged, it must be replaced by qualified persons in order to avoid a hazard.*

**NOTE:** *The power supply cord should be at least 2 x 18 AWG.*

**NOTE:** *Attention shall be drawn to the environmental aspect of batteries disposal. Don't throw your batteries in dustbin.*

## 4.13 Maintenance of Your Opener

**Once a Month:**

- Repeat safety reverse test. Make any necessary adjustments.
- Manually operate door. If it is unbalanced or binding, call for professional garage door service.
- Check to be sure door opens and closes fully. Adjust Limits and/or Force if necessary.

**Twice a Year:**

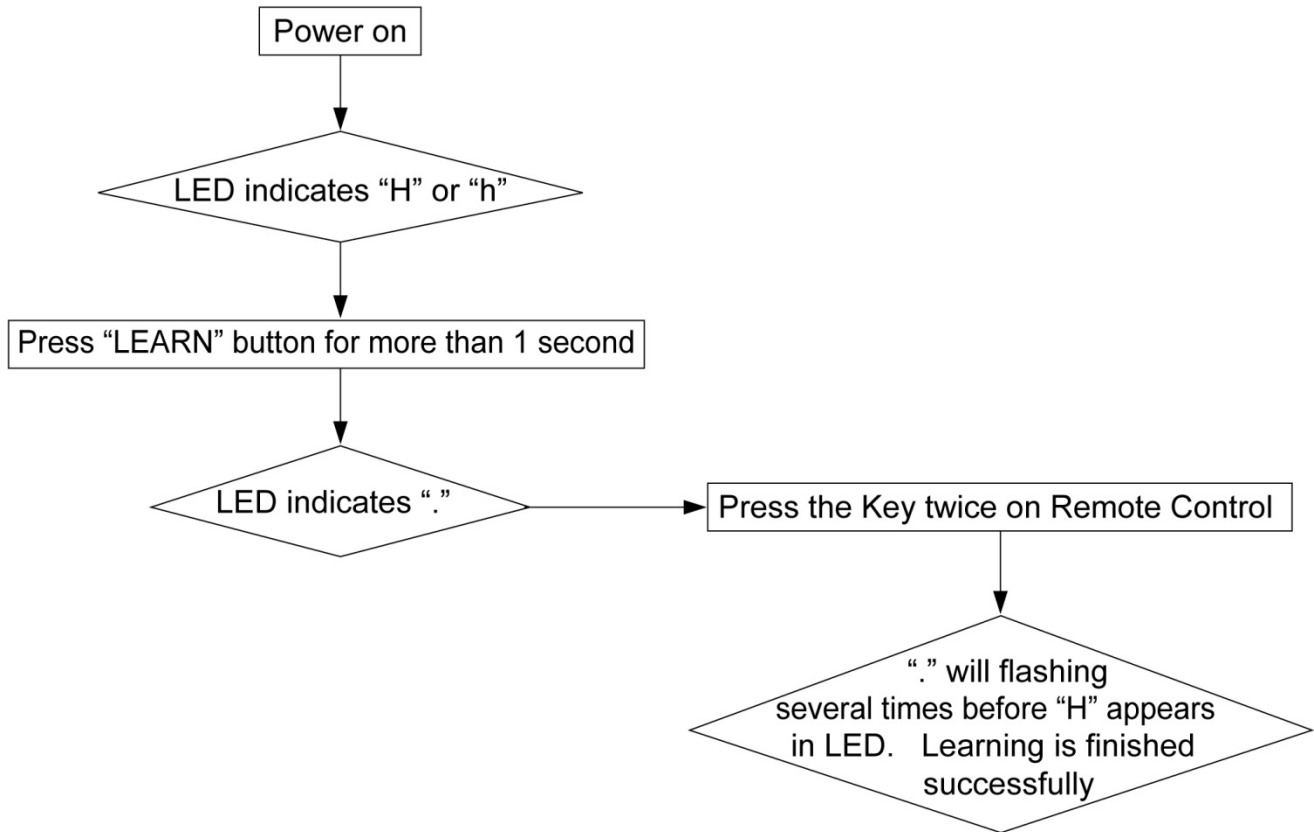
- Check chain tension. Disconnect Trolley first. Adjust if necessary.

**Once a Year:**

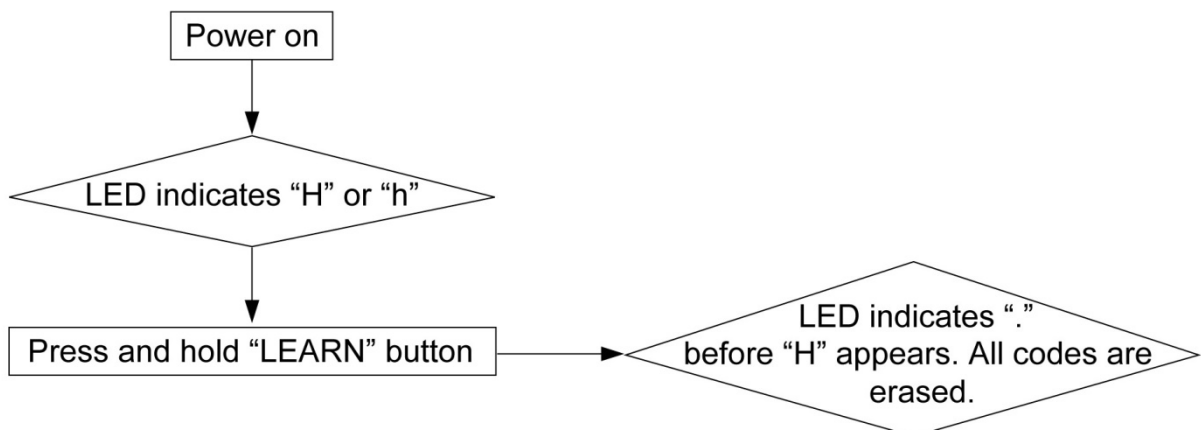
- Oil door roller, bearings and hinges. The opener does not require additional lubrication. Do not grease the door tracks.

## 5. Quick-Setting Guide

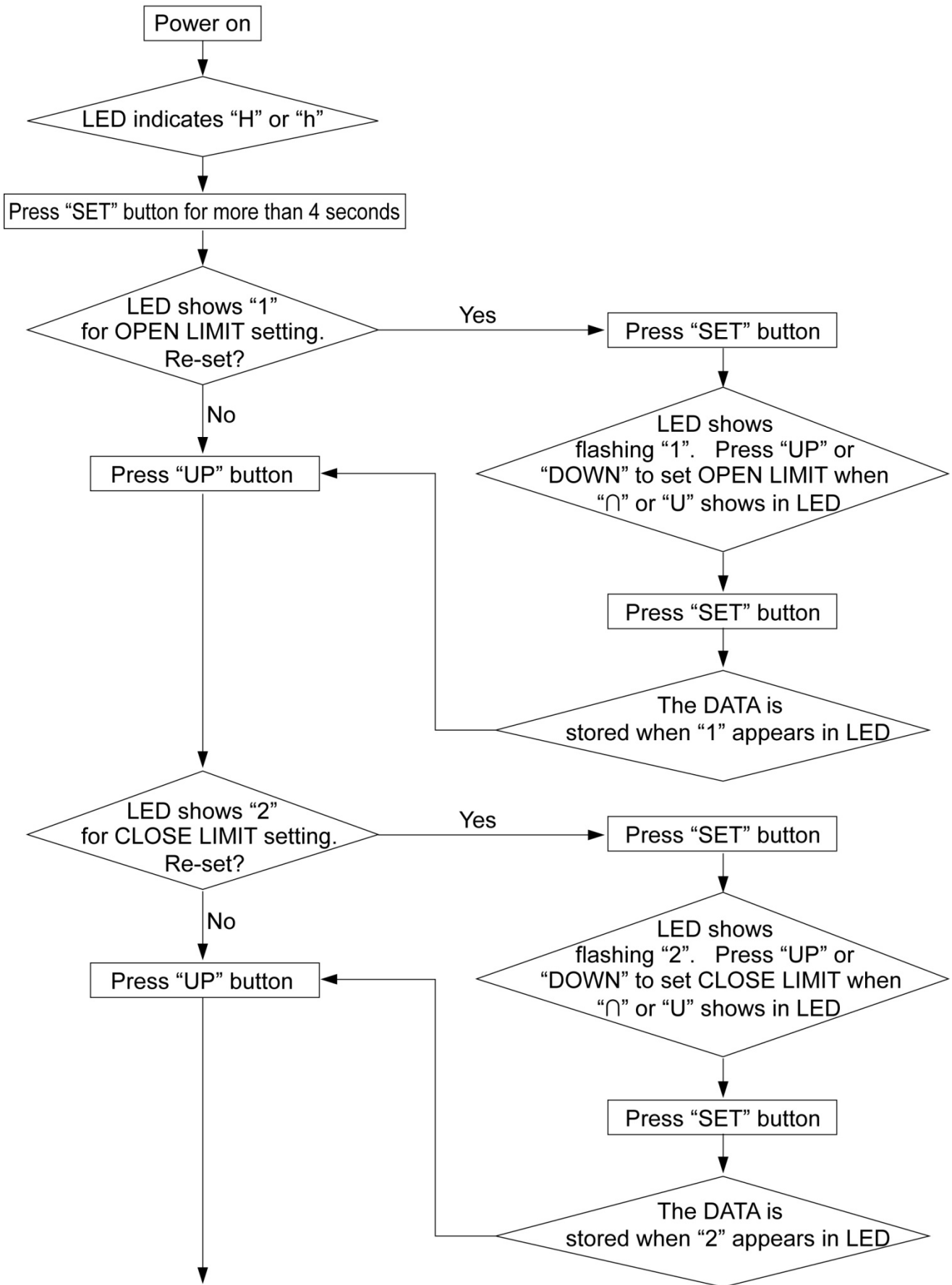
### 5.1 Program your Opener & Remote

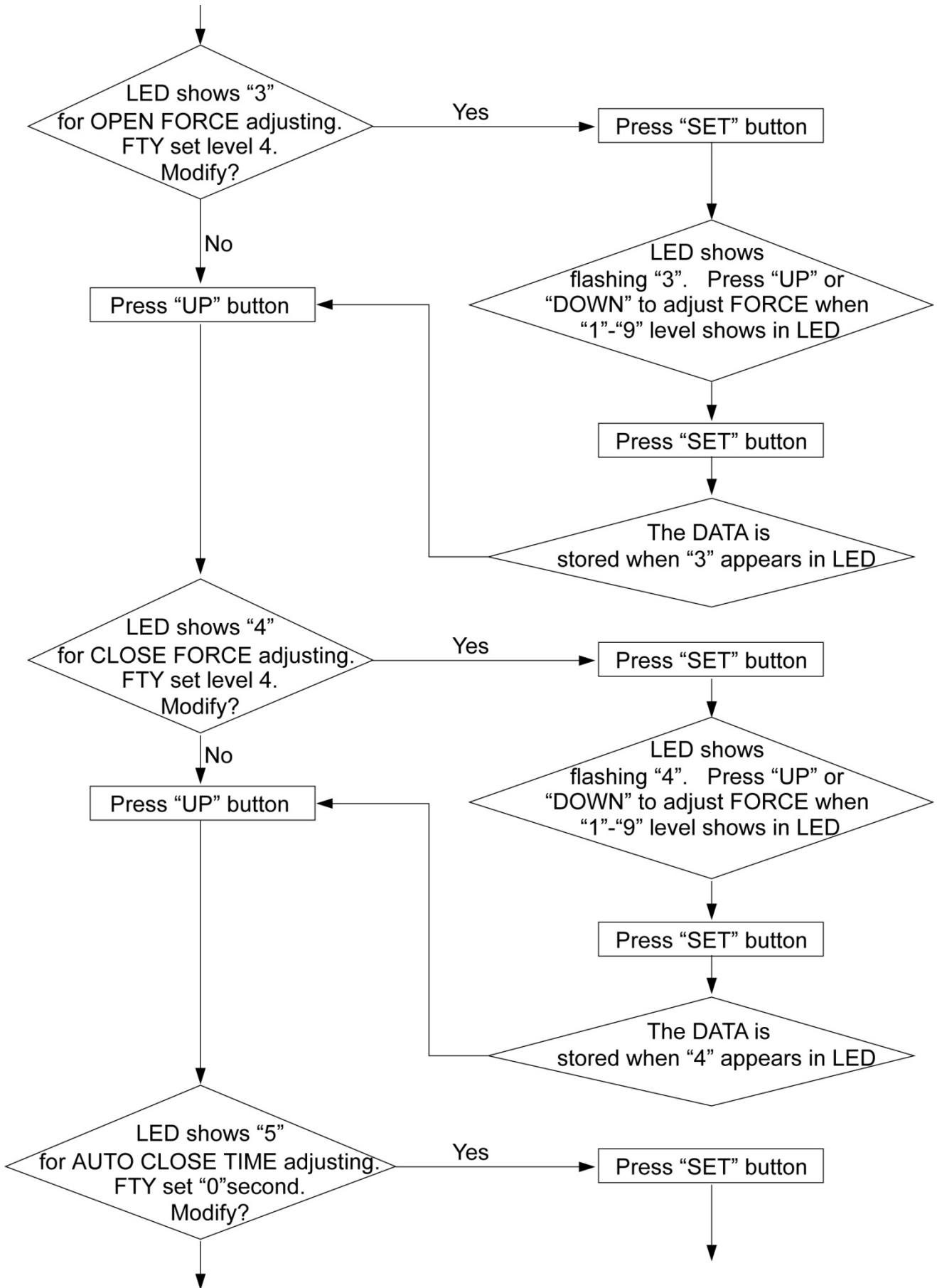


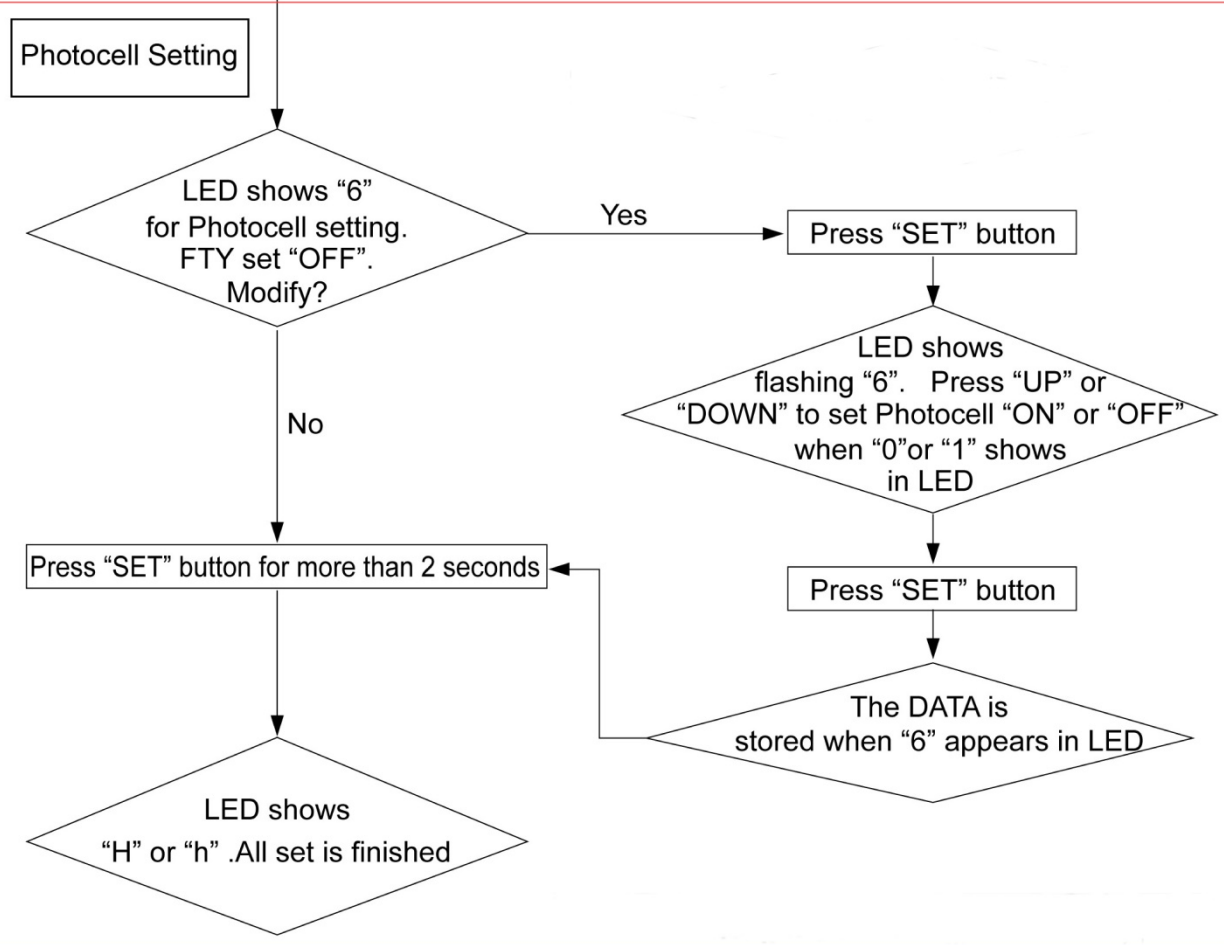
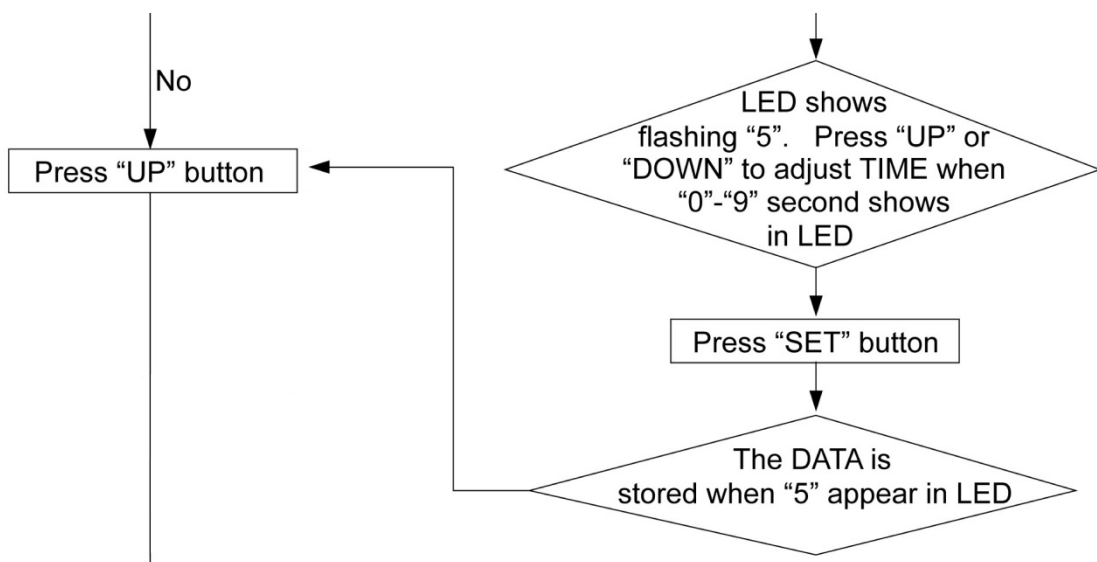
### 5.2 To Erase all remote Control codes



### 5.3 Unit Setting










LCIE

BV LCIE  
CHINA  
Number

N° 1766AS07SFD25359

# ATTESTATION of conformity with European Directives

*Product* : Garage Door Opener  
*Reference* : CASAR 600, CASAR 800  
*Trade mark* :   
*Issued to* : Hangzhou Sanford Tools Co., Ltd.  
*Address* : 8 Sheng Di Road, Yu Hang Town, Hang Zhou 311121, P.R.CHINA  
*Manufacturer* : Hangzhou Sanford Tools Co., Ltd.  
*Technical characteristics* : 220-240V, 50Hz, Class II, CASAR600:90W, CASAR 800:120W

The submitted sample of the above equipment has been tested for **CE** marking according to following European Directive and following standards:

**RED: Directive 2014/53/EU**

Standards	Report number	Report date
EN 60335-2-95:2015;	SFD-14MA0585HTSP	31/03/2014
EN 60335-1:2012+A11:2014;	SFD-14MA0585HTSP-A1	31/03/2016
EN 62233:2008;	SFD-14MA0585HTSP-A2	25/04/2017
EN 62479: 2010	SFD-17JU0675HTSPB-3	13/07/2017
EN 301 489-1 V2.1.1 (2017-02) Final draft EN 301 489-3 V2.2.0 (2017-03) EN 55014-1:2006+A1:2009+A2:2011 EN 55014-2:2015 EN 61000-3-2:2014 EN 61000-3-3:2013	SFD-17JU0675HTSPB-2	13/07/2017
EN 300 220-1 V3.1.1 (2017-02) EN 300 220-2 V3.1.1 (2017-02)	SFD-17JU0675HTSPB-1	13/07/2017

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

The **CE** marking may be affixed if all relevant and effective European Directives with **CE** are applicable

Shanghai (P.R. China), August 3<sup>rd</sup>, 2017.



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E-mail: [support@topens.com](mailto:support@topens.com)

*Kindly include your Product Model, Purchasing Date & Site, Order #,  
and your contact information. All your concerns will be replied within 24 hours.*

Tel: +1 (888) 750 9899 (Toll Free USA & Canada)