



# NORTH SHORE

COMMERCIAL DOOR.COM

## YOU MUST USE THIS WALL CONSOLE WITH THIS CIRCUIT BOARD

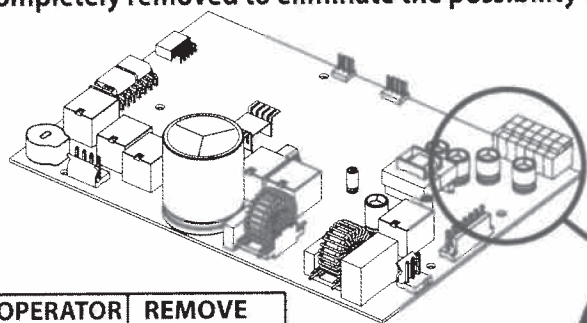
The circuit board contained in this box is compatible with series II wall consoles.

The wall console contained in this box with this circuit board is a series II wall

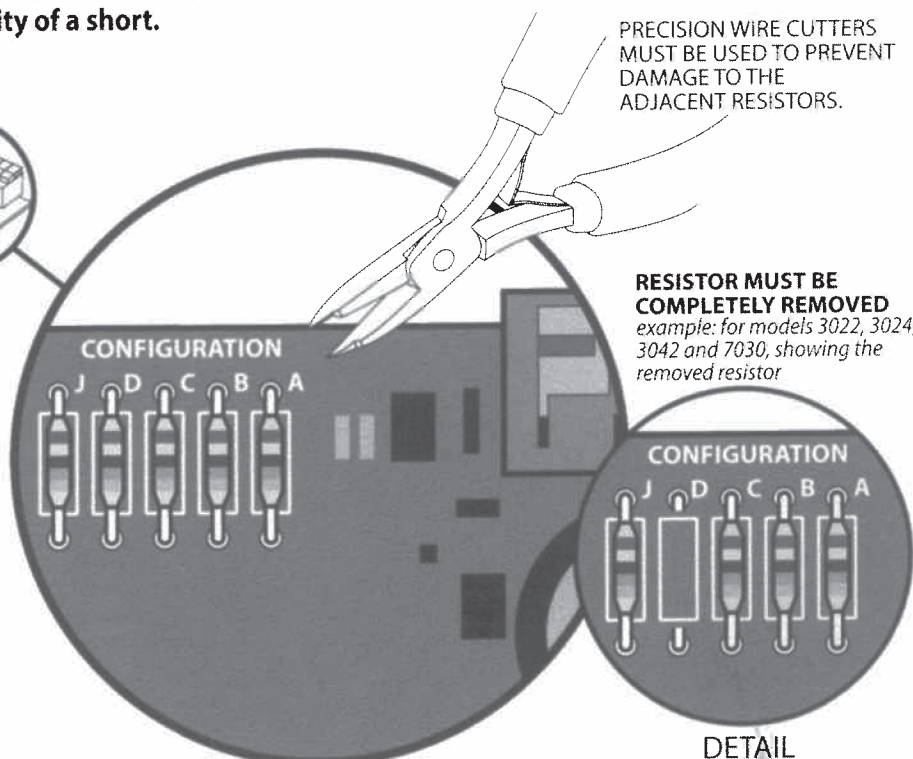
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### CONFIGURING THE CONTROL BOARD TO THE OPERATOR

One of the resistors shown must be eliminated in order to match the Control Board to the system of your operator (SEE CHART) **PRIOR TO INSTALLATION**—The resistor must be cut on both ends and completely removed to eliminate the possibility of a short.



OPERATOR MODEL	REMOVE RESISTOR			
	D	C	B	A
3022	X			
3024	X			
3042	X			
7030	X			
4022		X		
4024		X		
4042		X		
8030		X		
3062			X	
3064			X	
7060			X	
4062				X
4064				X
8060				X



# DC Control Board Replacement

These instructions are written assuming that you will have ample room around Opener to perform this repair. Some rare instances will require removal of the unit from its mounting hardware and repair made on a bench or floor. Refer to your Owners Manual for proper assembly and carefully read and understand all warnings and cautions pertaining to your unit.

## ⚠ WARNING

BE SURE ELECTRICAL POWER HAS BEEN DISCONNECTED FROM THE INPUT POWER LINES PRIOR TO REMOVING THE MOTOR COVER.

## ⚠ WARNING

ANY AND ALL REPAIRS MADE TO THIS UNIT MUST BE PERFORMED WITH THE DOOR DISCONNECTED FROM THE OPENER AND IN THE CLOSED POSITION.

1. Pull emergency release cord on carriage to disengage opener to close door if necessary. (If unable to lower door using opener, use extreme caution manually closing door. Before pulling emergency release cord, make certain people and objects are clear of door opening.)
2. Unplug opener power cord from power receptacle.
3. Open lens cover by pressing middle tab inward and remove light bulbs. FIG. 1.
4. Remove wall control and Safe-T-Beam wires from terminal block located on side of opener FIG. 1. Use small common screwdriver to press in on orange tabs while gently pulling wires from block. Mark wires to help facilitate replacement.
5. Unplug any optional accessories such as the battery backup and/or networking adapter.
6. Remove two 5/16" screws securing powerhead cover to chassis. FIG. 2.
7. Allow the motor cover to swing down to access control board and wire harnesses.

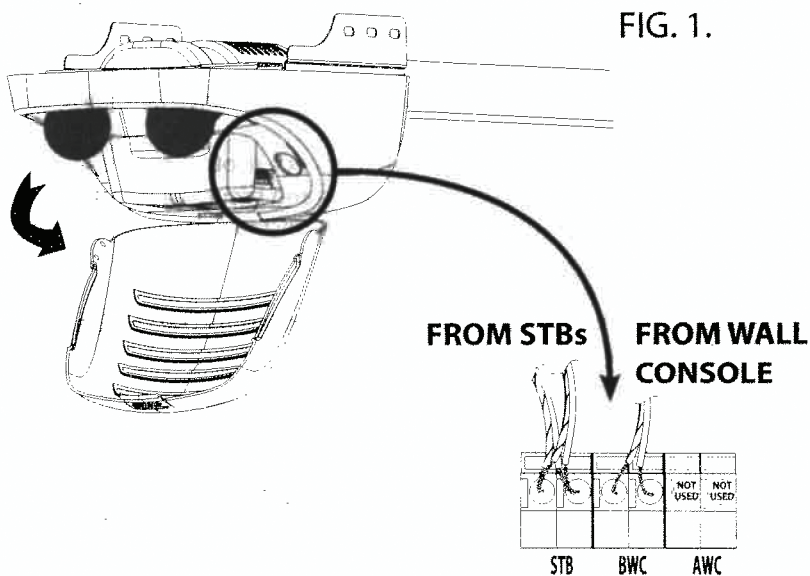


FIG. 1.

FIG. 3.

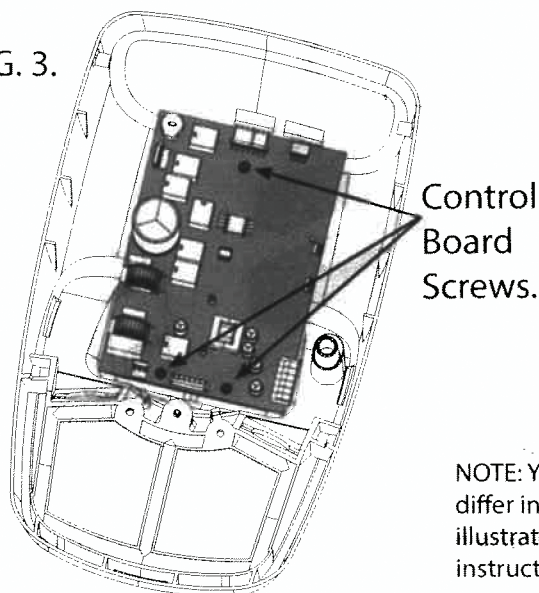
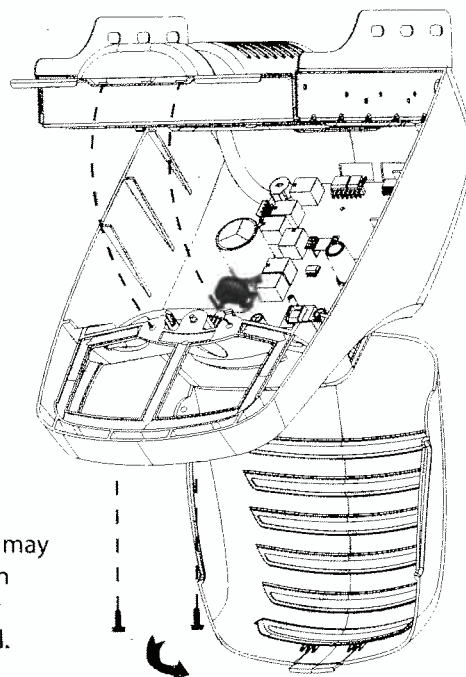


FIG. 2.



★  
NOTE: Your Motor Cover may differ in appearance than illustrated. Replacement instructions are identical.



8. Unplug the following harnesses from control board. FIG. 4.
  - Light harness
  - Motor harness
  - Opto harness (see step 12-13)
  - AC IN harness
  - Motion Detector harness (if equipped)
  - Green ground wire to chassis (if equipped)
9. Powerhead cover can now be removed from opener chassis for repair. Special care should be taken to prevent damage to motion detector bulb located on bottom of motor cover. (If equipped).
10. Remove control board mounting screws and control board. FIG 3.
11. Feed antenna wire through hole in cover. Mount replacement control board to cover and secure with screws removed in step 10.

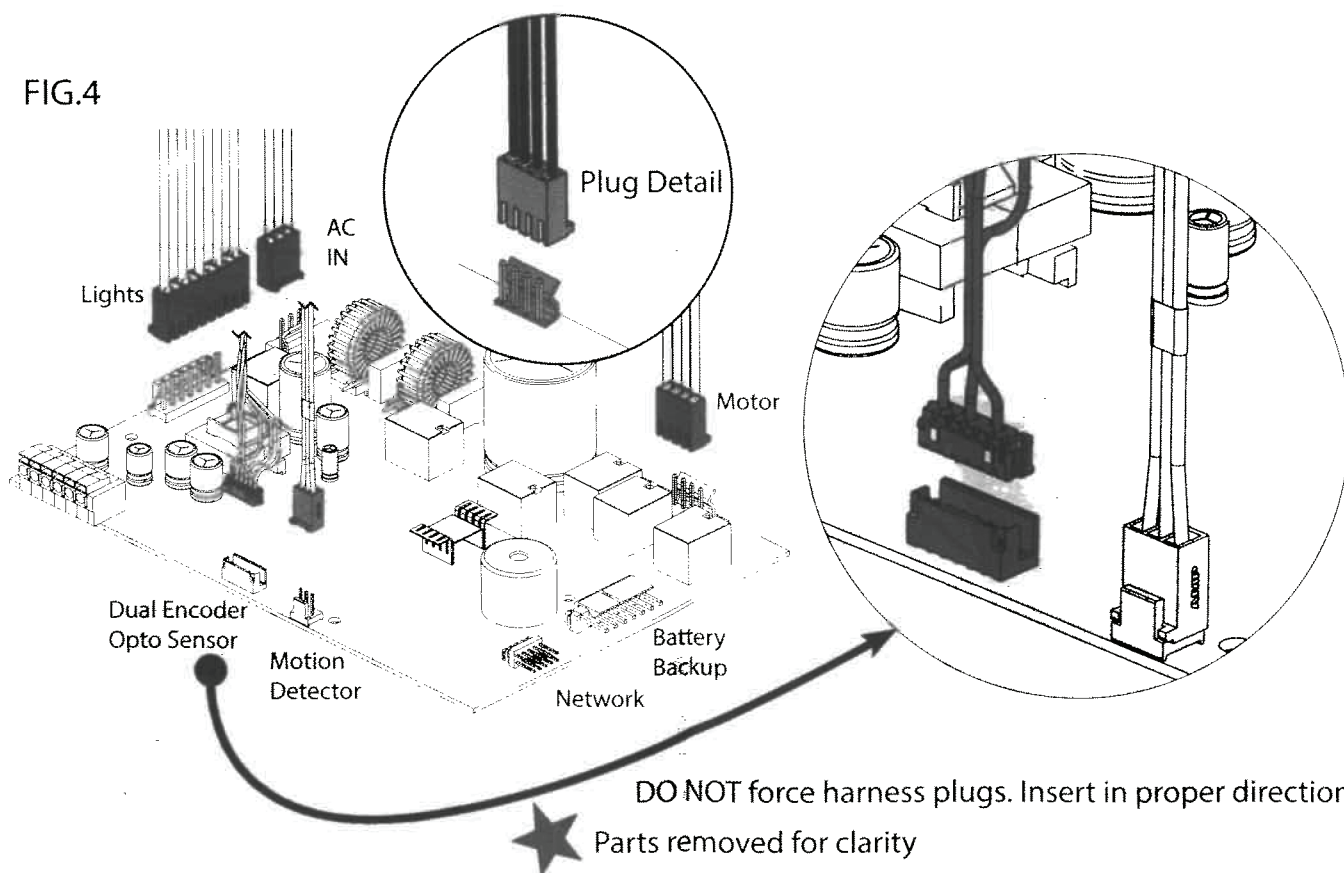
--- SEE NEXT PAGE FOR MOTOR TYPES ---

12. **If your motor compares to MOTOR TYPE 1. Remove existing harness from motor and plug pre installed OPTO SENSOR harness from new control board directly into motor.**
13. **If your motor compares to MOTOR TYPE 2. Remove pre installed OPTO SENSOR harness from control board and plug existing OPTO harness from motor into DUAL ENCODER OPTO SENSOR plug on replacement control board. (Or use new harness packed with control board).**

**Note:** Be certain to install all harnesses in the correct position being sure to install with locking tabs facing each other. FIG 4.

14. Hang powerhead cover to chassis to connect all other harnesses removed in step 8.
15. Swing powerhead cover up onto chassis and secure using screws removed in step 6.
16. Install wall control and Safe-T-Beam wires. Install battery backup and/or network harnesses if applicable.
17. Install light bulbs and close lens cover.
18. Reapply power to opener.
19. Limit controls, transmitters and full function test will be required. Refer to owners manual and/or assembly poster for detailed information.

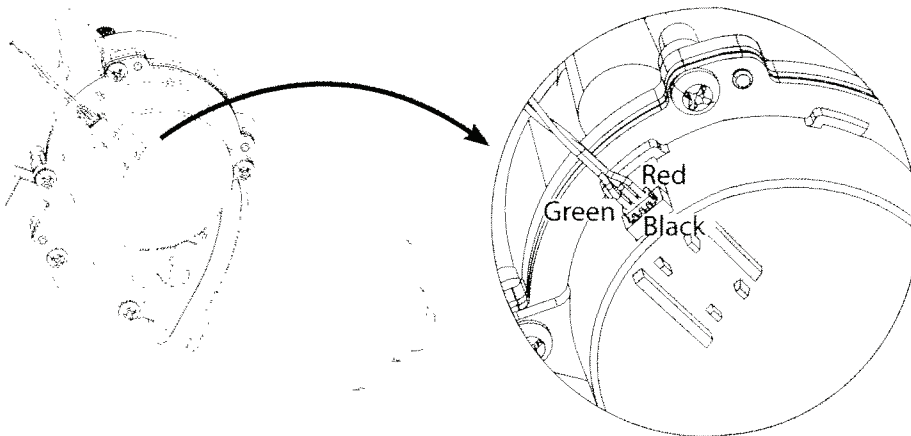
FIG.4



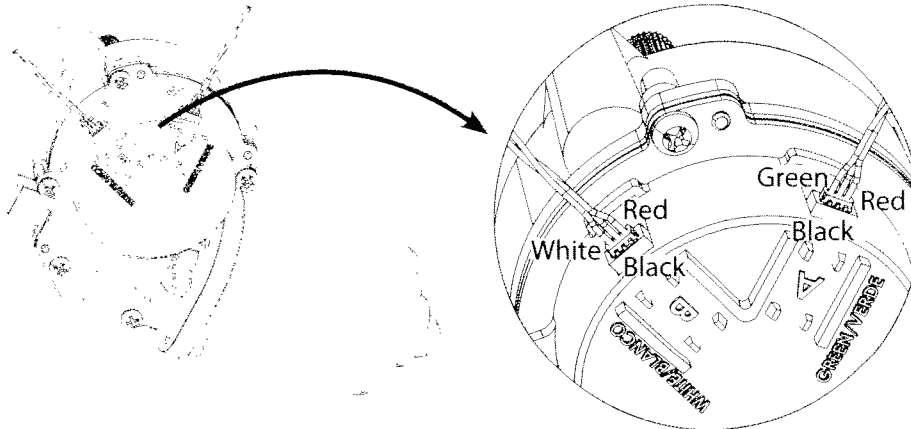
# Motor Types

## Harness Detail

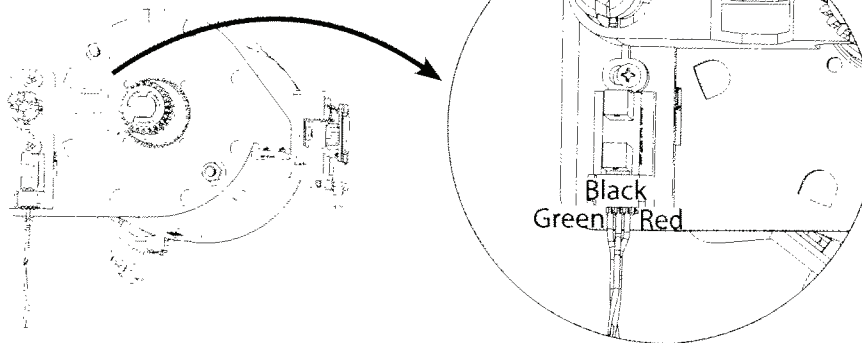
DC Chain/Belt Drive TYPE 1



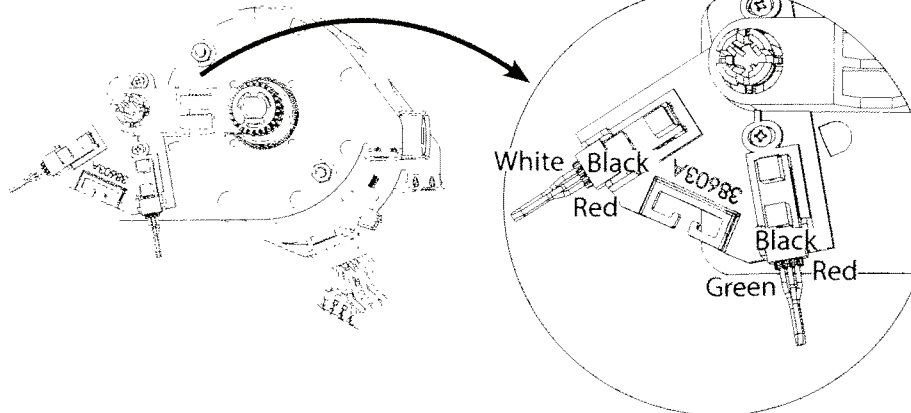
DC Chain/Belt Drive TYPE 2



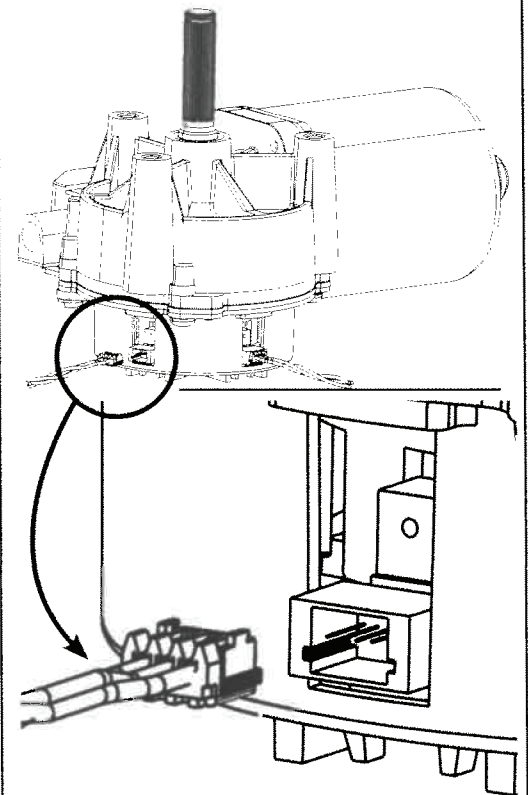
DC Screwdrive TYPE 1



DC Screwdrive TYPE 2



## OPTO Harness Plug Detail



DO NOT force harness plugs. Insert in proper direction



Parts removed for clarity



# PROGRAMMING INSTRUCTIONS

## -Garage Door Opener-

### ⚠ WARNING

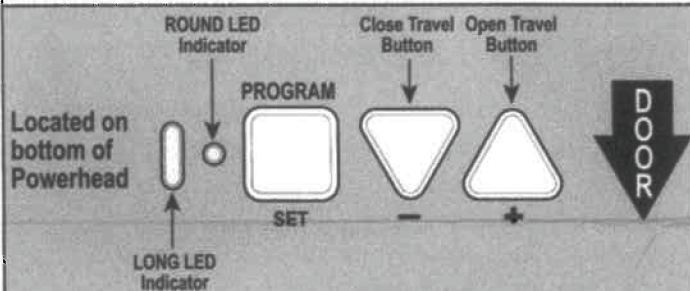
- Make sure doorway is in view and clear of obstacles and people to avoid injury or damage to property.
- DO NOT operate this unit from wall console before LIMITS are set. Severe damage to the opener can occur.
- The shuttle MUST be engaged to carriage BEFORE setting limits.
- DO NOT set limits while in Battery Back-up mode. AC power MUST be connected to the opener, while setting limits for proper operation.

**NOTE: Before setting limits,** confirm wall console's red indicator light (or the back light) is ON and that there are no flashing LEDs on the opener's powerhead. If wall console is illuminated or the opener LEDs are flashing, check for correct wiring or review if the Sure-Lock (vacation lock) has been accidentally activated.

### ORIENTATION

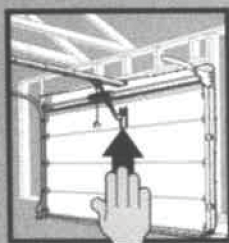
Because lighting conditions in most garages are inherently poor, making it hard to read the programming controls, the illustration below is offered for assistance.

Standing under the opener's powerhead – facing the door – looking up – this is the view you will see of the programming buttons and LEDs



- Just remember—the pointed end of the button (like an arrowhead) points in the direction the carriage will move when that button is pushed.

1. Lift the garage door by hand until the carriage engages the shuttle/bullet on the rail.



SCREW DRIVE



LEVER MUST BE UP

CHAIN or BELT



LEVER MUST BE UP

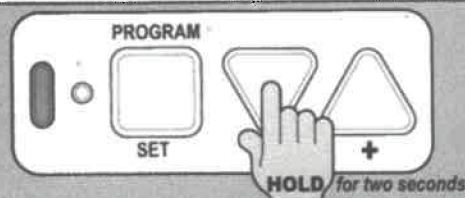
## -Travel Limits-

### Set Closed Position

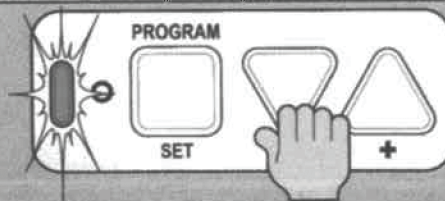
**Read and understand Steps 2–5 before proceeding**

**NOTE:** While setting limits, the powerhead has a 30 second time-out period when none of the three programming buttons have been selected. If you see two solid red flashing LEDs or if the LEDs flash red three times and then go OFF, you have run out of time and must go back to the beginning of the travel limit setting step.

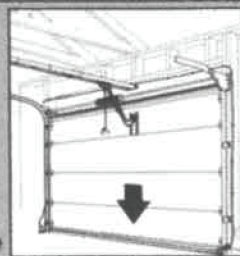
2. Press and hold the down arrow button (–) for two seconds or until the long LED comes on blue. (The round LED stays off.)



3. Release down arrow button (–) and the long LED will begin flashing blue. (Round LED still off.)

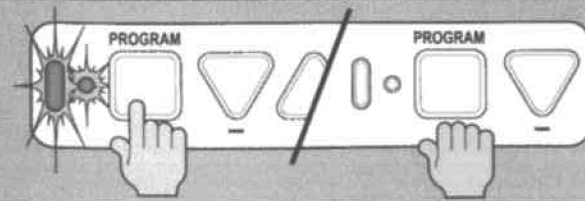


4. Press and hold the down arrow button (–) to begin closing the garage door. When the garage door is fully closed, release the down button (–). If you have gone too far press and release the up button (+) to move the door up slightly. You may jog up or down with the arrow buttons. The door should rest tightly on the floor.



5. Press and release the program/set button—both LEDs flash blue and then go off.

**The DOWN (CLOSED) TRAVEL LIMIT IS NOW PROGRAMMED.**



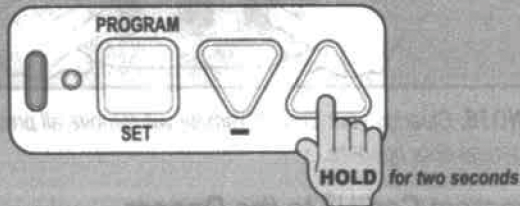
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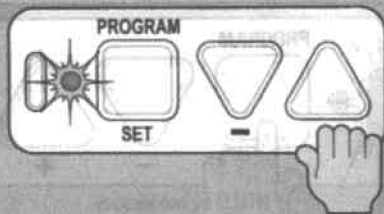
## Set Open Position

**Read and understand Steps 6–9 before proceeding**

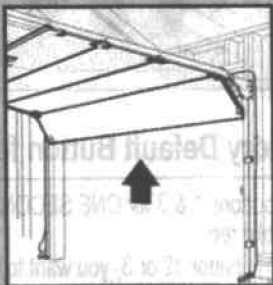
- 6.** Press and hold the up arrow button (+) for two seconds or until the long LED comes on blue. (The round LED stays off.)



- 7.** Release up arrow button (+) and the round LED will begin flashing blue. (The long LED will go off.)

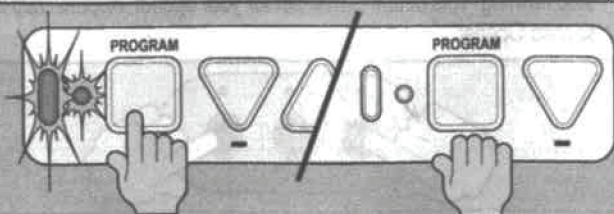


- 8.** Press and hold the up arrow button (+) to begin opening the garage door. When the garage door is fully opened, release the up button (+). If you have gone too far press and release the down button (–) to move the door down slightly. You may jog up or down with the arrow buttons. Stop the shuttle/carriage short of the opener powerhead. It is important for the red cord to be clear of the powerhead to allow for manual door operation.



- 9.** Press and release the program/set button—both LEDs flash blue and then go off.

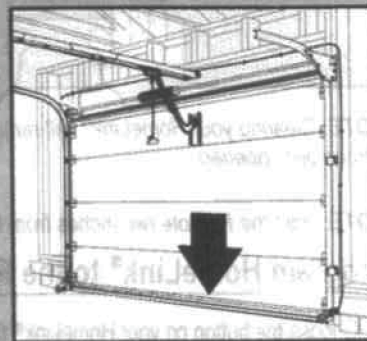
**The UP (OPEN) TRAVEL LIMIT IS NOW PROGRAMMED.**



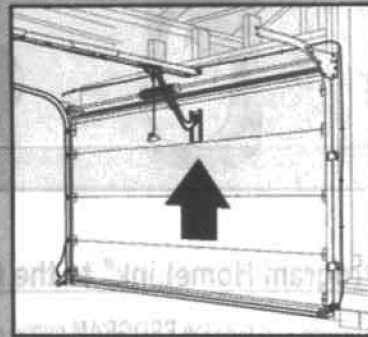
## –Learn Force Limits–

The force and speed controls are automatically set when you use the wall console for the first time with your garage door. The door **MUST** complete one full cycle, from open to close and then, close to open, before the settings are automatically recorded.

- 10.** Press and release the wall console Open/Close button and allow your garage door to travel and stop at the down (closed) limit.



- 11.** Press and release the wall console Open/Close button and allow your garage door to travel and stop at the up (open) limit.



**NOTE:** Force and speed controls **DO NOT** require programming. Force and speed limits are factory set and rarely require adjustments.

**FORCE AND SPEED CONTROLS ARE NOW SET.**

Proceed to Contact Reverse Test on next page



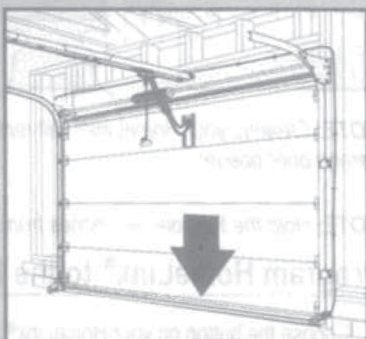
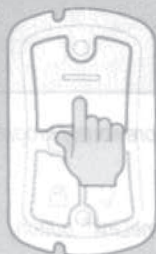
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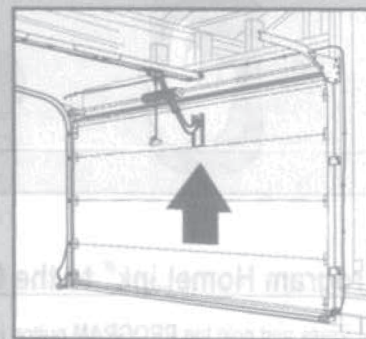
## -Learn Force Limits-

The force and speed controls are automatically set when you use the wall console for the first time with your garage door. The door **MUST** complete one full cycle, from open to close and then, close to open, before the settings are automatically recorded.

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**NOTE:** Force and speed controls **DO NOT** require programming. Force and speed limits are factory set and rarely require adjustments.

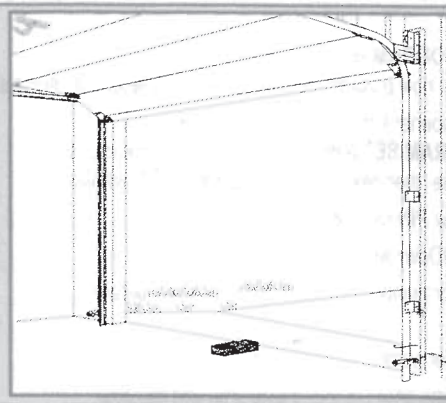
**FORCE AND SPEED CONTROLS ARE NOW SET.**

Proceed to Contact Reverse Test on next page

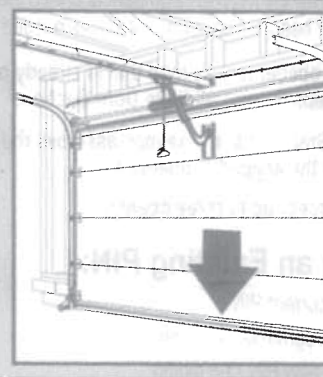
## -Contact Reverse Test-

**NOTE:** The Limit and Force settings **MUST BE COMPLETED** before the Contact Reverse Test.

- 1.** With your garage door open, lay a 2" x 4" board flat on the center of the door opening.



- 2.** Close the garage door using the Open/Close button on the



When the door contacts the board, it should stop and reverse direction seconds to the fully open position. Red LED lights on the powerhead will begin to flash with the reversal of the door. Remove the 2" x 4" board after a successful contact reversal test. The next cycle will clear the flash red LEDs.

## Contact Reverse Adjustment

If the door stops before contacting the board or if it does not reverse direction after contact with the board, it may be due to an improperly set DC. Verify settings by:

1. Repeat the "Down Travel Limit" section (page 1) to make certain the door is closing tight against the floor.
2. Repeat the "Learn Force Limits" section on the left to set force limit.
3. Repeat the "Contact Reverse Test" above.

Repeat this process as needed until the door passes the Contact Reverse Test.

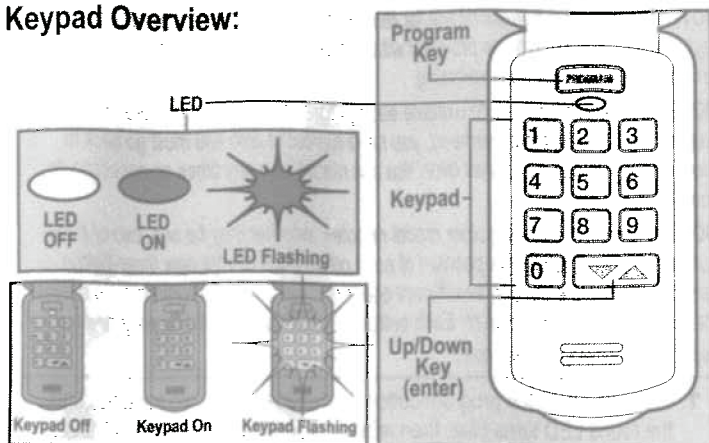


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# -Programming the Wireless Keypad-

## Keypad Overview:



## Setting Your PIN:

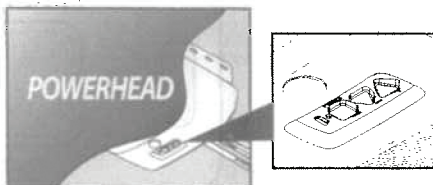
1. Press in order the numbers **3** - **5** - **7**
2. Press the **PROGRAM** key.
3. Type your new PIN (3-8 digits).
4. Press the **PROGRAM** key again.

You are now ready to **program** the keypad to an opener.

For use on a Single Door, continue on below.

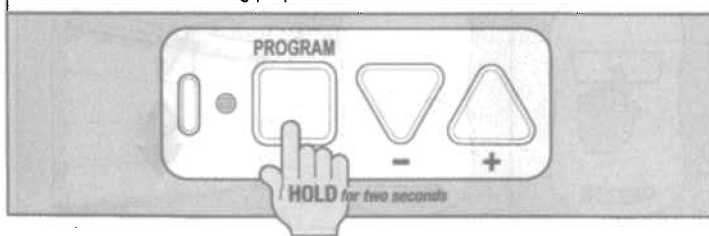
**NOTE:** If the keypad lights do not flash and go OFF after setting your PIN, clear the keypad (see "Resetting Your PIN") and repeat Steps 1-4.

## Locate your Opener's Programming Buttons and LED:



## Synchronizing Keypad to Door

1. Press **PROGRAM SET** button two seconds until the round LED turns blue, then release. The long purple LED will blink.



2. Key in your new PIN on the keypad.
3. Press Up/Down key and opener LEDs will stay on steady.
4. Press Up/Down key again and opener LEDs turn off.
5. Press Up/Down key a third time and opener run.

The process of programming **ONE** keypad to **ONE** opener is complete.

## Multiple Door Section:

1. Key in your new PIN on the keypad. (3-8 digits).
2. Press the **PROGRAM** key two times.
3. Enter how many total doors you want to control with this keypad (press 2 or 3 accordingly).
4. Press the **PROGRAM** key.  
The keypad is now programmed to receive multiple opener signals..
5. Locate your opener's programming buttons and LED.  
Press **PROGRAM SET** button two seconds until the round LED turns blue; then release. The long purple LED will flash.
6. Type your new PIN (3-8 digits).
7. Press the Up/Down key one time.
8. Press the door number you want this opener to operate (1, 2, or 3).
9. Press that door number a second time.
10. Press that same door number a third time and the door will operate.

Wait 30 seconds for the keypad to go dark and then start with step 5 for the additional opener head/keypad combination as needed.

To add **another opener** to a keypad that is already programmed to an opener, follow all the steps in this "Multiple Door Section."

Please note at Step 8, that the keypad assumes the original opener programmed to the keypad is opener #1.

Keypads can accept up to three openers.

## Changing an Existing PIN:

1. Enter your current PIN.
2. Press the Program key one time.
3. Key in your new PIN (3-8 digits).
4. Press the Program key one time.

**NOTE:** Unlike "Resetting PIN," you **DO NOT** need to reprogram your opener after changing your PIN.

## Resetting Your PIN:

Press and hold both the **PROGRAM** key and the Up/Down key for about five seconds.

The LED will slowly blink and then go out. When the LED stops blinking, you have successfully erased the old programming.

To put in a new PIN, start with "Setting Your PIN" instructions above.

## Door Operation:

To open and close the door with the Keyless Entry Pad, enter the PIN number and press Up/Down Key (enter). The Keyless Entry Pad will stay active for 30 seconds and will stop or start the door with each touch of any button on the keypad.

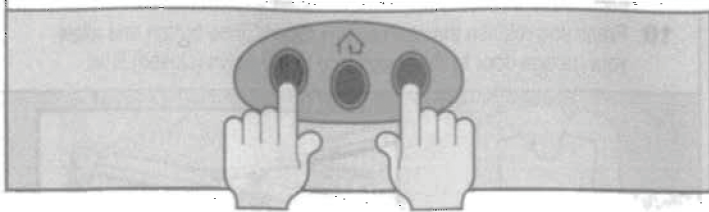
**NOTE:** For multiple doors enter the PIN number, press the UP/Down Key once and enter the door number (1,2 or 3). As above the Keyless Entry Pad will stay active for 30 seconds.



## -Programming Vehicle Remotes-

### HomeLink® System

1. Clear your HomeLink® by pressing and holding down the first and third buttons until the indicator on the HomeLink® blinks slow and then fast for 20 seconds; then release both buttons.

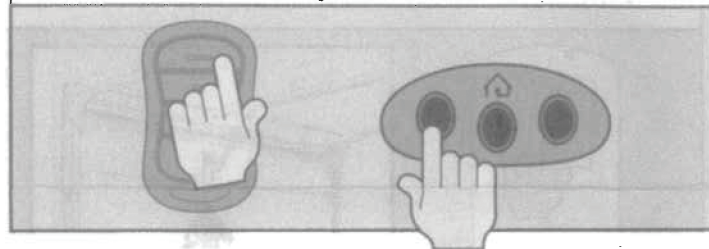


**NOTE:** Clearing your HomeLink® will remove all previously programmed garage door openers.

**NOTE:** Hold the Remote two inches from the HomeLink® button.

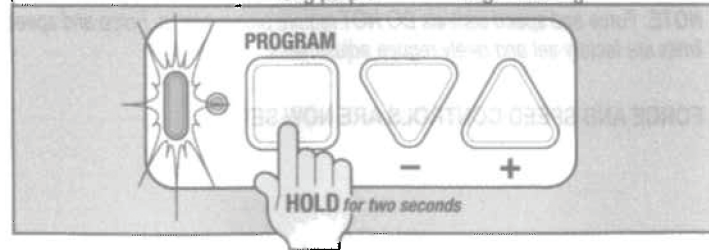
### Program HomeLink® to the Remote

1. Choose the button on your HomeLink® that you want to use to operate your garage door. Hold down the remote button. While holding the button, press and hold your chosen HomeLink® button until the indicator on the HomeLink® blinks slow then fast. Once it goes fast, release both buttons.

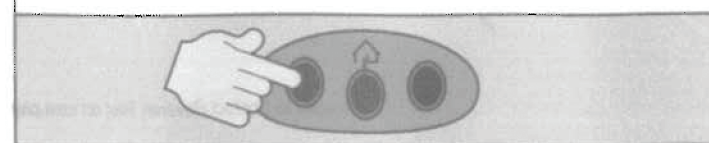


### Program HomeLink® to the Opener

2. Press and hold the PROGRAM button until the round blue LED is ON. Release the button. The long purple LED will begin flashing.



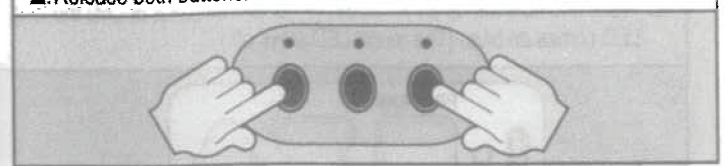
3. Press the chosen HomeLink® button for two seconds and release. Press that same button again for two seconds and release. The long LED will flash blue and then turn off.
4. Press the HomeLink® button a few more times until door moves.



**NOTE:** For additional instructions, see your motor vehicle manual, visit the operator manufacturer's website or go to [www.homelink.com](http://www.homelink.com)

### Programming Car2U® System

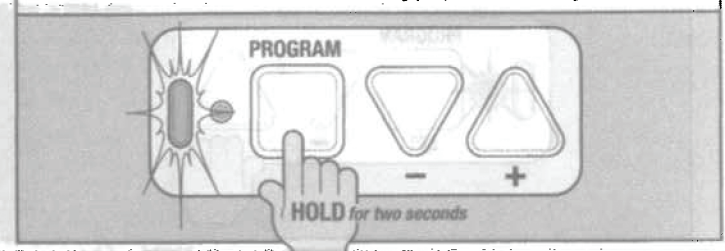
1. Clear the Car2U® default settings by pressing and holding both buttons 1 and 3 for 20 seconds or until all three LEDs begin to flash.
2. Release both buttons.



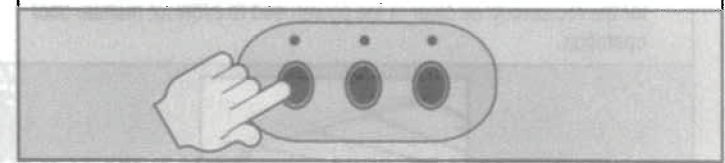
**NOTE:** Clearing your Car2U® remote will remove all previously grammed garage door openers.

### Program Car2U® to the Opener

1. Press and hold the PROGRAM button on the opener until the round blue LED is ON—release the button. The long purple LED will begin flashing.

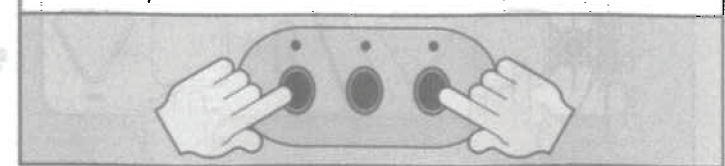


2. Press the Car2U® button for two seconds and release. Press that same button again for two seconds and release. The long LED will flash blue and then turn off.
3. Press the Car2U® button a few times more until door moves.



### Changing Factory Default Button for Opener

1. Press and hold buttons 1 & 3 for ONE SECOND and release—all three LEDs will light solid red.
2. Press and hold the button (2 or 3) you want to change to your opener — the corresponding LED will flash. While continuing to hold the button you want to change, press and release button 1. Press and release button 1 again.
3. Release the button you were holding in step 2 and wait for the LED to stop flashing. This button is now set for your opener. Repeat Step 2 for second Opener.



**NOTE:** For additional instructions see your motor vehicle manual, visit the operator manufacturer's website or go to [www.learcar2u.com](http://www.learcar2u.com)



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