Step 18: Light fixture installation continued

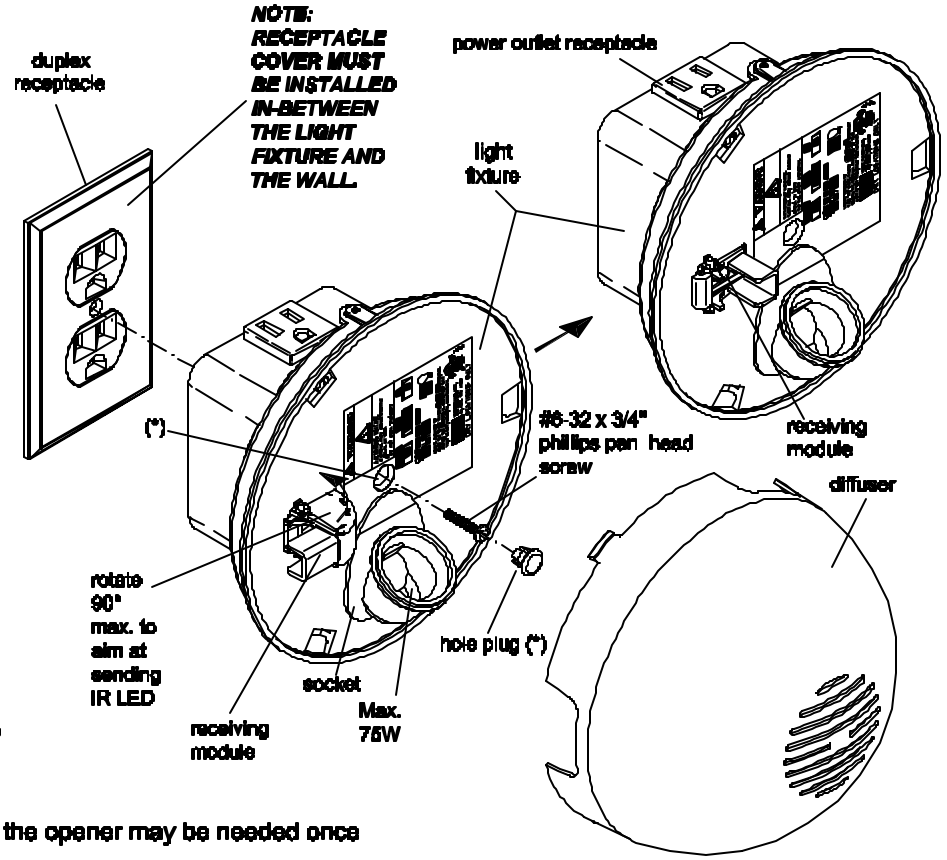
Wall mounting

Depending on location, the light fixture may need to be adjusted from its packaged position.

When mounting on a wall parallel to the opener, rotate the receiver module inward to a maximum of 90° until to best align the receiver module with the sending LED. Mount light to a receptacle and align the receiving module per previous instructions.

To mount the light fixture on a wall perpendicular to the opener, leave receiving module in the factory position. Mount the fixture to a receptacle and align receiving module per previous instructions (page 15). Insert hole plug into the screw hole. **NOTE: For temperature protection, the hole plug* must be in place prior to using the light fixture.**

Screw in a 75W maximum light bulb into light socket and snap diffuser into light fixture. Turn receptacle power back on at fuse box.



Final alignment of the light fixture and the opener may be needed once the opener is electrically connected.

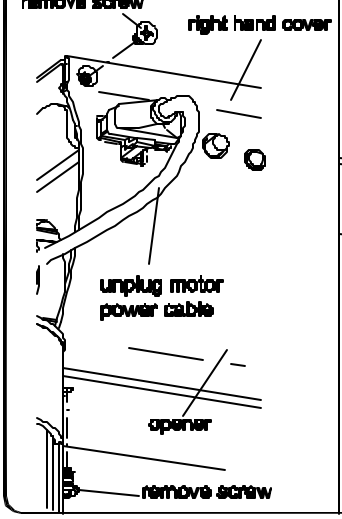
Step 19: Power connection: Permanent wiring option

Where required by local codes, the opener can be permanently wired. Services of a licensed electrician can be obtained to perform the following permanent wiring procedure.

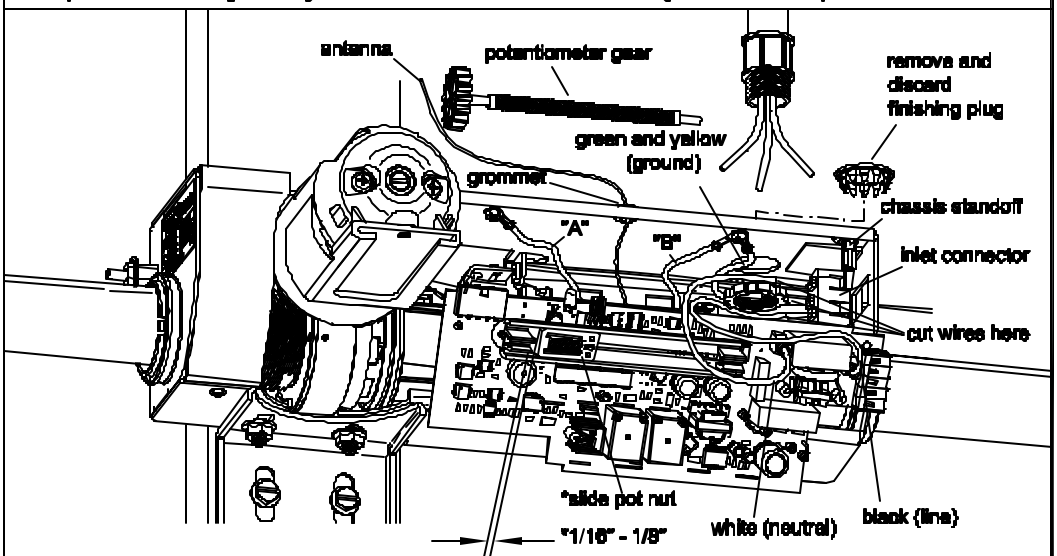
⚠ WARNING

Disconnect power at fuse/breaker box before proceeding.

Using a phillips head screwdriver, remove the two screws from the right hand cover and unplug motor power cable. Remove right hand cover from the opener to expose electronics and wiring.



Remove potentiometer gear and finishing plug. Unsnap the circuit board from the chassis stand-offs and remove the circuit board as shown. NOTE: Do not to disconnect the two ground wires (A & B) from the circuit board or the chassis. Cut three wires, leading to the inlet connector, at the base of the connector. Route wires inside of conduit through the top hole in the opener. Using wire nuts, splice each conduit wire with the corresponding wire inside the opener as follows: opener black (line), opener white (neutral), and opener yellow and green (ground). Reinstall the circuit board back into the opener chassis and snap the board back into the chassis stand-offs. NOTE: Make sure antenna wire is routed through the chassis grommet when board is installed. Confirm pot position* shown below. Reinstall the potentiometer gear, right hand cover, and screws. Plug in the motor power cable.



Note: Reinstall potentiometer gear, cover, cover screws, and motor cable upon completion. Turn on power at fuse box.

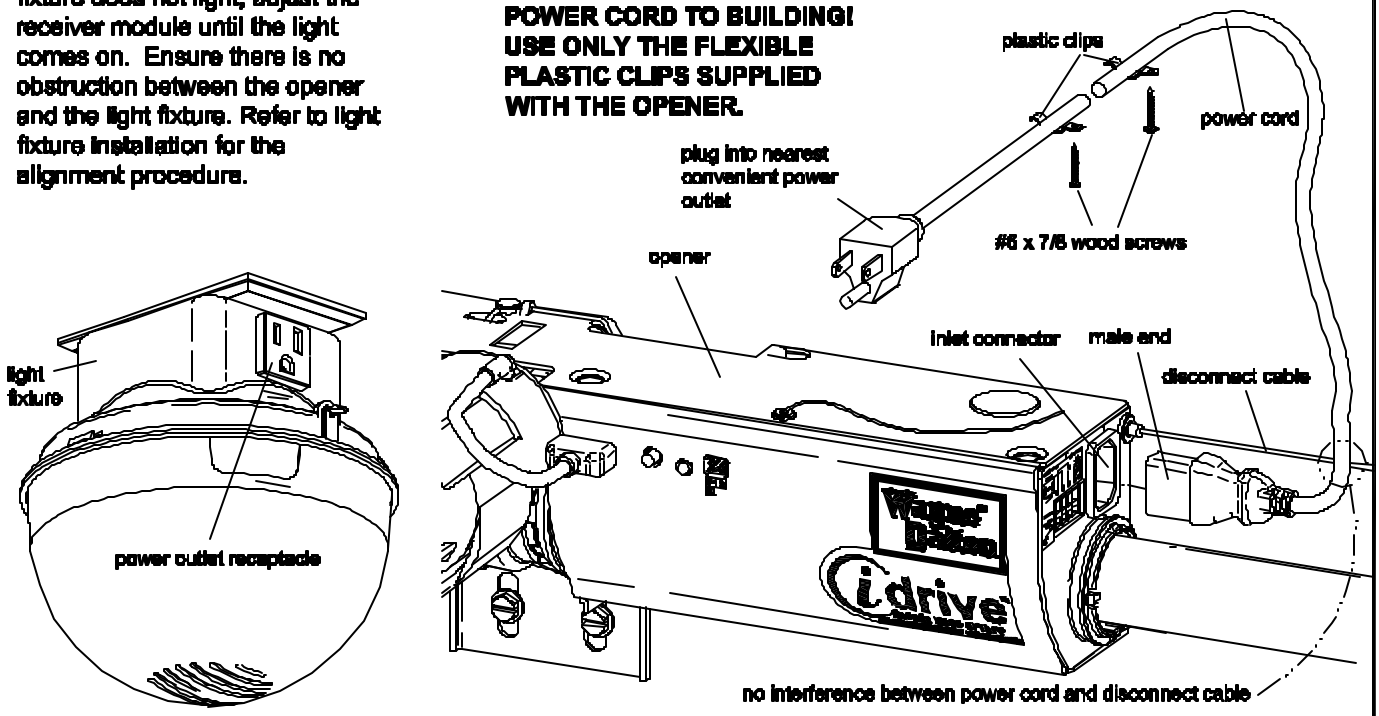
Step 19: Power connection: Standard wiring

Plug shielded male end of power cord into the inlet connector on the right side of opener. Plug remaining end of the opener power cord into the nearest convenient power outlet. (If the power cord is not long enough to reach the closest outlet, contact a service person for further options.) As soon as power is applied to the opener, the light fixture should light up. If the light fixture does not light, adjust the receiver module until the light comes on. Ensure there is no obstruction between the opener and the light fixture. Refer to light fixture installation for the alignment procedure.

Excess power cord length must be routed and contained safely away from any moving members. **IMPORTANT! Position power cord so it will not interfere with disconnect cable operation.**

⚠ WARNING **To reduce the risk of electrical shock, this equipment has a grounding type plug, that has a third (grounding) pin. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.**

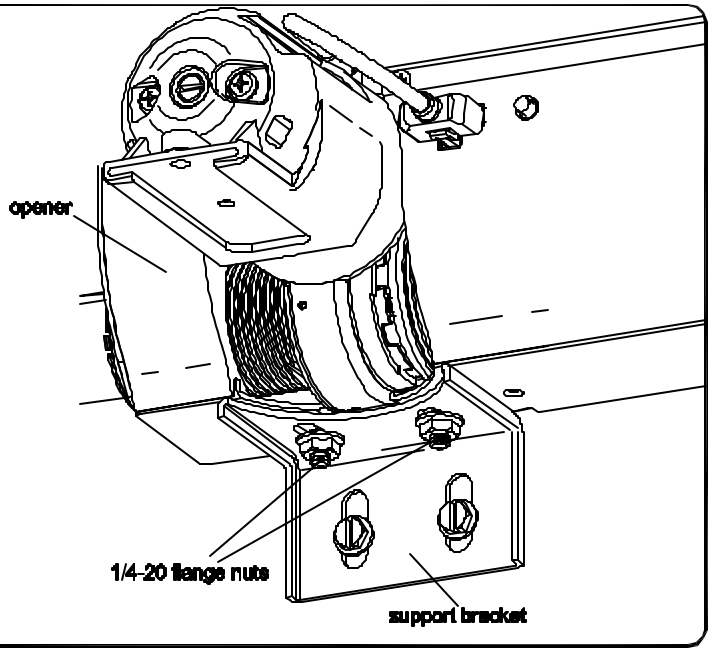
NOTE: DO NOT PERMANENTLY ATTACH POWER CORD TO BUILDING! USE ONLY THE FLEXIBLE PLASTIC CLIPS SUPPLIED WITH THE OPENER.



Step 20: Securing the opener.

With the emergency disconnect still in the manual door operated position: Manually raise the door to the full upward position. Then, manually lower the door to the full closed position verifying freedom of movement and good door balance.

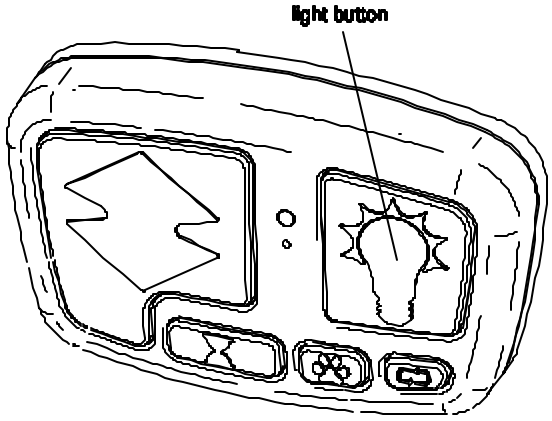
Tighten both 1/4-20 flange nuts, securing the opener to the support bracket.



NOTE: The user must change the wall station's security code before using the wall station.

This code setting sequence is only required the first time the wall station is used.

Overview: When changing the wall station's security code, the user will have to hold the light button down for approximately 10 seconds, then release the button momentarily, and finally holding the button down again for approximately 5 seconds.



Changing the wall station's security code:

1. Press and hold the wall station's light button for approximately 10 seconds until the wall station's LED begins to blink rapidly. Once the LED starts blinking release the wall station's light button; the LED will turn off.
2. Press and hold the wall station's light button again (LED will light) for approximately 5 seconds. After approximately 5 seconds the LED will begin to blink on and off. Release the light button. The wall station's LED will blink on and off three times indicating a successful security code change.

The wall station is now ready to be programmed to the opener.

Wall Station Programming

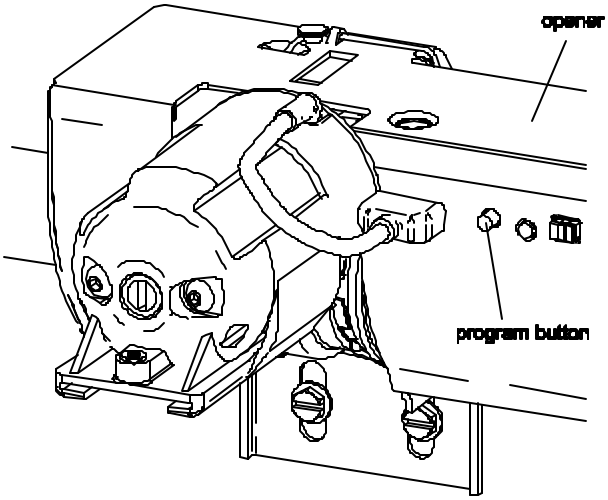
To program wall station:

1. Verify the emergency disconnect handle in the manual door operated position This is for safety reasons.
2. On the front cover of the opener, press and release the program button; the opener will beep once, indicating activation of the program mode. The opener will remain in program mode for 30 seconds.
3. Press and release the wall station up/down button; the opener will beep once. The wall station is now programmed.
4. Return the emergency disconnect to the motor door operated position.

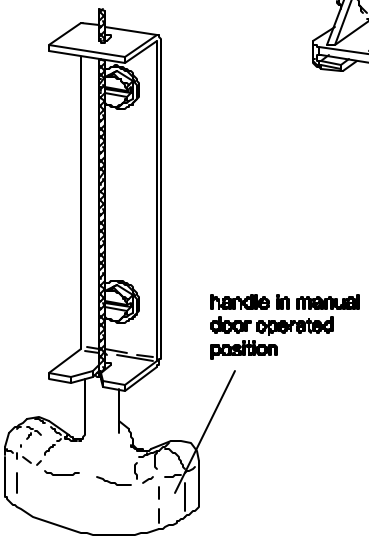
No beeping response of the opener during the wall station programming indicates a programming failure. Repeat programming steps 1-4. **NOTE:** Programming failure can occur during the wall station programming if the remote control is too close to the opener during the programming sequence. Perform the programming with a minimum of six feet between the remote control and the opener.

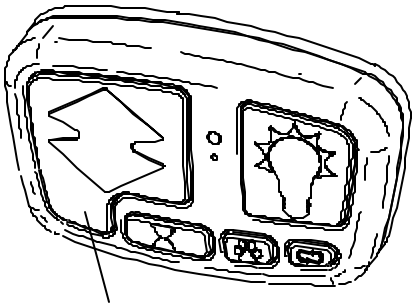
NOTE: The first wall station command, after programming, will only move the door through a three-inch up/down cycle. Normal door operation will occur on the second usage of the wall station.

NOTE: The opener can be activated by up to six remote control devices (including wall station, transmitter, and keyless entry devices.) If a seventh control is programmed, one of the programmed controls will be overwritten and will no longer activate the opener.



CAUTION: For safety reasons, manually disconnect using the emergency disconnect handle prior to erasing remote controls. To clear programming of all remote control devices, press and hold the opener's program button for approximately ten seconds. When the opener beeps three times, all remote controls are erased.





Step 21: Wall station security code change and programming.

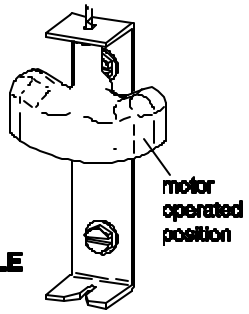
Step 22: Install routine

During *Install routine*, the door will move up and down twice. Always keep a moving door in sight and away from people and objects until it is completely closed..

NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR!

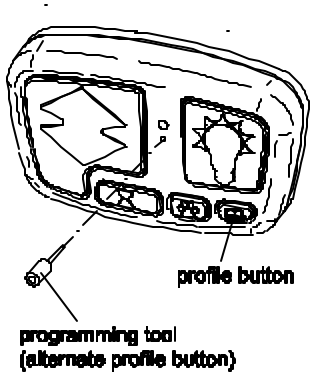
NOTE: If no obstructions interfere with the door when manually opened and closed back in Step 20, proceed to Step 22a. However, if an object such as a ceiling beam obstructed the door from opening completely, set a custom upper limit setting during the install routine, Step 22b.

NOTE: THE DOOR MUST BE IN ITS FULLY CLOSED POSITION AND THE DISCONNECT HANDLE MUST BE IN THE MOTOR OPERATED POSITION, TO INITIATE THE INSTALL ROUTINE.



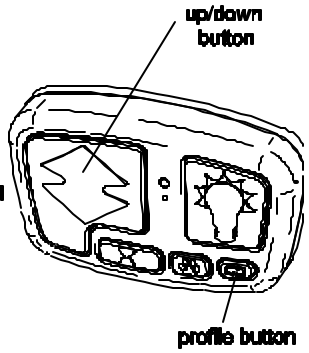
Step 22a: Install routine with standard upper limit

Press and hold the profile button for five (5) seconds, or insert programming tool into the center hole as shown, then press and release the internal button. The opener will beep twice, indicating the activation of the install routine. The door will now move to the full open position and stop. Then, the door will close completely. Next, the door will go through one more up/down cycle. Once this is complete, the door limits are set and the installation is complete.



Step 22b. Install routine with custom upper limit:

Press and hold the profile button for five (5) seconds. The opener will beep twice, indicating the activation of the install routine. When the door moves to the desired height, at least four feet off the ground, press the up/down button on the wall station. The door stop and then close completely. Next, the door will go through one more up/down cycle. Once this is complete, the door limits are set and the installation is complete.

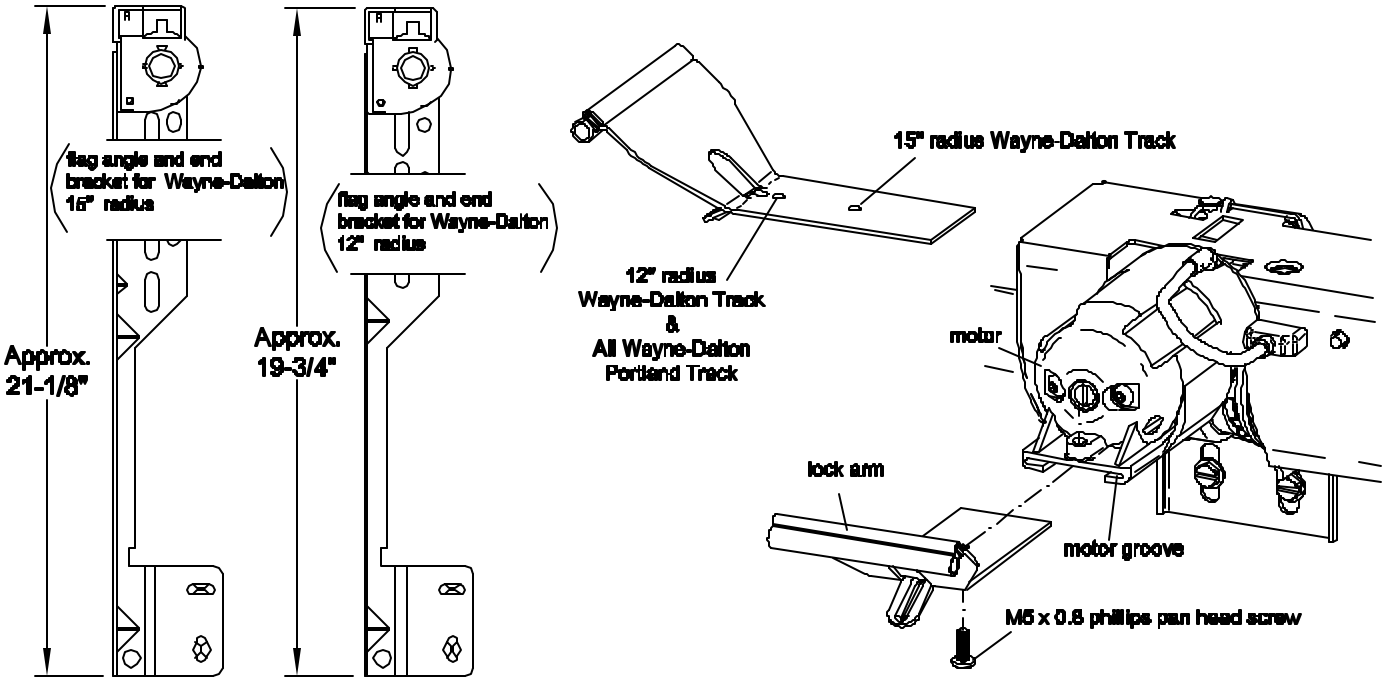


Alternately: After an install routine has been completed, the door can be disconnected and manually moved to the desired upper limit Reconnect door and initiate a new install routine from that position.

Step 23: Lock arm Installation

Place the emergency disconnect in the manual operated position, motor will pivot to the up position. Insert the lock arm into the motor groove and align the proper hole depending on your track radius. To recognize the Wayne-Dalton track radius being used, measure the length of the flag angle and TorqueMaster™ end bracket and compare to the diagram. For Wayne-Dalton track from Portland, the radius is stamped on the side of the track. Once track radius has been identified, secure the lock arm to the motor with (1) M5 x 0.8 phillips pan head screw.

After assembly of the lock arm, manually raise and lower the door and verify that the lock arm does not interfere with the door. If there is interference between the door and the lock arm proceed, to Page 27 for lock arm troubleshooting. **NOTE: Do not operate the door if there is interference between the lock arm and the door.** Reconnect the door to the motor operated position. Activate a motor operated up/down cycle to confirm clearance.



IMPORTANT- FOR SYSTEM SECURITY: The motor is designed to pivot down after the door closes completely. If the motor does not pivot or pivot partially, or the motor pivots completely, but the motor still runs, trying to close the door after the motor has pivoted down, the detent will need to be adjusted in order for the door lock feature to work properly. Proceed to next step: Detent adjustment.

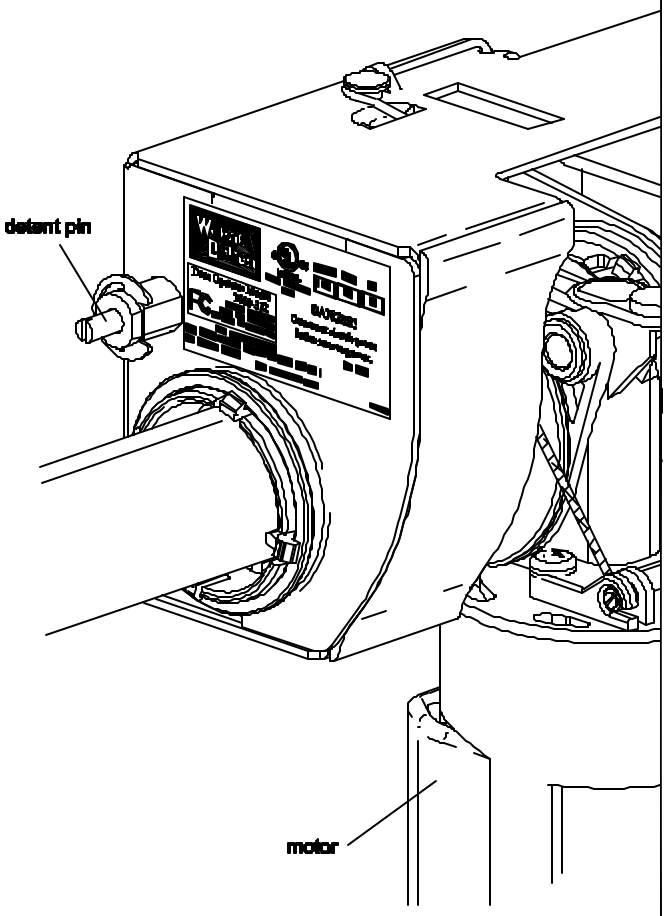
Step 24: Detent adjustment (If required)

The amount of pressure the opener uses to pivot the motor downward is preset at the factory via the detent pin adjustment screw. Since all door counterbalances are different, the factory detent position is preset for an optimal balanced door. If the door is out of balance slightly, a detent pin adjustment will need to be made with a flat head screwdriver in order for proper pivoting of the motor.

A.) If the motor does not pivot down or pivots down partially, the detent pin is set too hard. Using a flat head screwdriver, turn the detent pin COUNTER CLOCKWISE in 1/4 turn increments until the motor pivots to the full down position when the door is completely closed.

B.) If the motor pivots down prematurely (before the door is completely closed) or if the motor is "slapping" too aggressively against the top of the door, the detent pin is set too soft.

Using a flat head screwdriver, turn the detent pin CLOCKWISE in 1/4 turn increments until the motor pivots to the full down position once the door closes and the opener motor immediately shuts off.



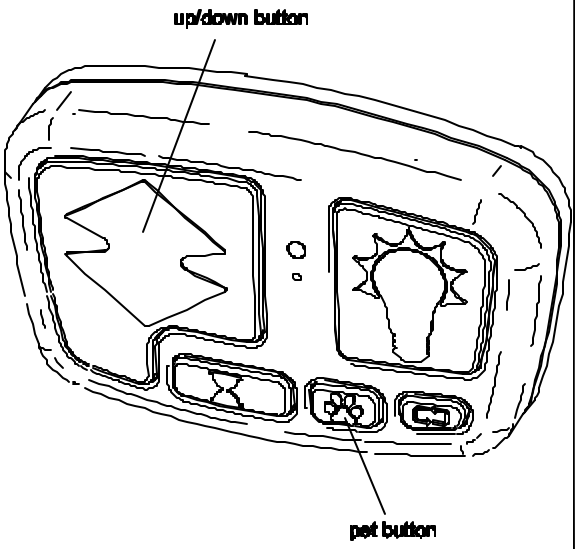
Step 25: Custom settings

Custom pet position: Normal install routine sets the pet position to approximately eight inches above the ground. The pet opening height may be changed to open anywhere between eight and thirty inches above the ground. To change the automatic pet opening height refer to the following procedure:

1. After completion of the normal install routine, with the door in the closed position, place the disconnect handle in the manual operated position. Manually raise the door to a height more than one foot above the floor.

Manually lower the door to the desired pet position opening height (minimum eight inches) and return disconnect handle to the motor operated position.

2. Simultaneously depress the pet and up/down buttons on the wall station. The opener will beep once. The pet button is now programmed to automatically open the door to this custom height. NOTE: Activation of the normal install routine will reset the pet position to the default eight inch target height . **For usage of the pet button see Operation section.**



Step 26: Contact obstruction test

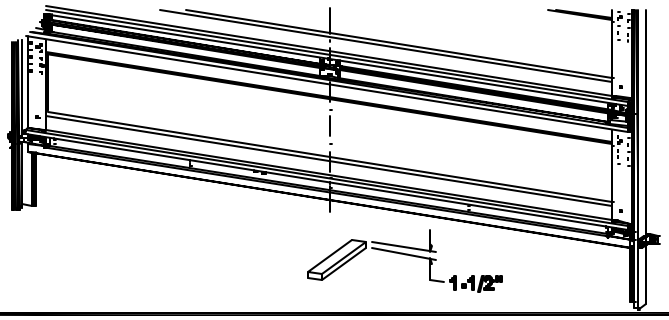
After installing the opener, the door must reverse when it contacts a 1-1/2" high object (or a 2 x 4 board laid flat) on the floor. To verify proper operation:

1. Using the wall station, activate the door to the fully open position .
2. Place a 2 x 4 board laid flat on the garage floor under the door path.
3. Activate the door to the closed position with a remote control; upon contacting a solid object, the door will stop, then reverse direction within two seconds and travel to the full open position.

If the door does not respond to the required tests, repeat install routine making sure the door is in the fully closed position prior to activation.

If problem persists contact Wayne Dalton Customer Service (888) 827-3667

⚠ WARNING **If opener does not respond properly and fails either of these two tests, door may cause a serious or fatal injury. Have a qualified service person make necessary repairs.**



Step 27: Transmitter security code change and programming.

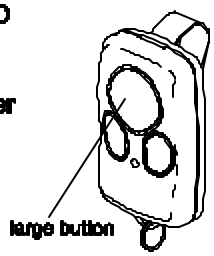
NOTE: The user must change the transmitter's security code before using the transmitter.

This code sequence is only necessary the first time that transmitter is used.

Overview: When changing the transmitter's security code, the user will have to hold the large button down for approximately 10 seconds, then release the button momentarily, and finally hold the button down again for approximately 5 seconds.

Changing the transmitter's security code:

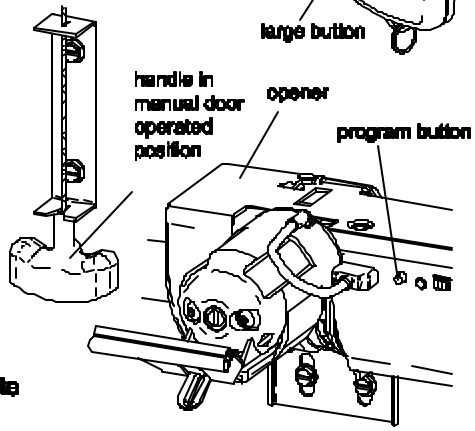
1. Press and hold the large transmitter button for approximately 10 seconds until the transmitter's LED begins to blink rapidly. Once the LED starts blinking, release the large transmitter button; the LED will turn off.
2. Press and hold the large transmitter button again (LED will light) for approximately 5 seconds. After approximately 5 seconds the LED will begin to blink on and off. Release the large button. The transmitter's LED will blink on and off three times indicating a successful security code change. The transmitter is now ready to be programmed to the opener.



Transmitter Programming:

To program transmitter:

1. Place the emergency disconnect handle in the manual door operated position This is for safety reasons.
2. On the front cover of the opener, press and release the program button; the opener will beep once, indicating activation of the program mode. The opener will remain in program mode for 30 seconds.
3. Press and release the desired transmitter button; the opener will beep once. The transmitter is now programmed.



No beeping response of the opener during the transmitter programming indicates a programming failure. Repeat programming 1-3. **NOTE:** Programming failure can occur during the transmitter programming if the remote control is too close to the opener during the programming sequence. Perform the programming with a minimum distance of six feet between the remote control and the opener.

NOTE: The first transmitter command, after programming, will only move the door through a three-inch up/down cycle. Normal door operation will occur on the second usage of the transmitter.

NOTE: The opener can be activated by up to six remote control devices (including wall station, transmitter, and keyless entry devices.) If a seventh control is programmed, one of the programmed controls will be overwritten and will no longer activate the opener.

CAUTION: For safety reasons, manually disconnect using the emergency disconnect handle prior to erasing remote controls. To clear programming of all remote control devices, press and hold the opener's program button for approximately ten seconds. When the opener beeps three times, all remote controls are erased.

IMPORTANT SAFETY INSTRUCTIONS

WARNING - to reduce the risk of severe or fatal injury:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Never let children operate or play with the door controls. Keep remote controls away from children.
3. Always keep a moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR.
4. Test the door opener monthly. The garage door MUST reverse on contact with a 1-1/2 inch high object (or a 2 x 4 board laid flat) on the floor. After adjusting the limit of travel, retest the door. Failure to adjust the opener properly may cause severe or fatal injury.
5. When possible, use the emergency disconnect only when the door is in the closed position. Use caution when using the emergency disconnect when the door is open. Weak or broken spring(s) may allow the door to fall rapidly, causing a severe or fatal injury.
6. KEEP THE GARAGE DOOR PROPERLY BALANCED. See the owner's manual included with the door. An improperly balanced door could cause a severe or fatal injury. Have a qualified service person make repairs to the cables, spring assemblies, and other hardware.
7. SAVE THESE INSTRUCTIONS.

Door activation: Upon activation by either the wall station or transmitter, the door will move in the following manner:

1. If closed, the door will open. If open, the door will close.
2. If closing, the door will stop, reverse, and return to the open position. Next activation will close the door.
3. If opening, the door will stop. Next activation will close the door.
4. If an obstruction is encountered or an out-of-balance condition is detected while the door is closing, the door will reverse, return to the open position, and the opener will beep three times. The next activation will close the door.
5. If an obstruction is encountered or an out-of-balance condition is detected while opening the door, the door will stop, and the opener will beep three or four times. The next activation will close the door.

Never let children operate or play with the door controls. Keep remote controls away from children. Fatal injury could result should a child become trapped between the door and the floor.

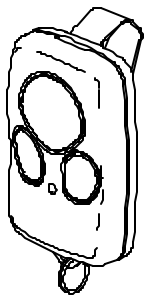
Always keep a moving door in sight and away from people and objects until it is completely closed. To prevent a serious or fatal injury, avoid standing in a open door way or walking through the doorway while the door is moving.

Step 28: Transmitter Operation

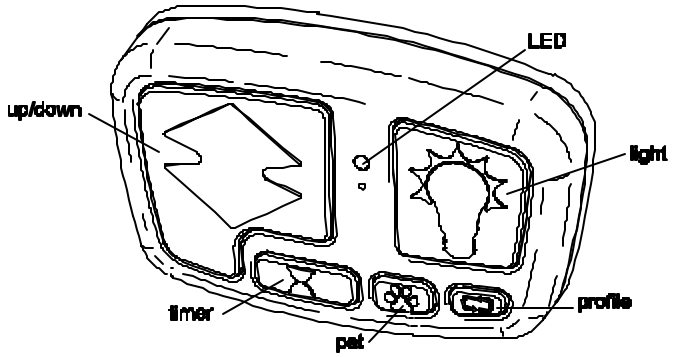
Momentarily pressing the large transmitter button or the button programmed in the transmitter programming step activates the door. Other buttons can also be programmed to activate a door, or multi-door installations, each door or a combination of two buttons pressed simultaneously can be programmed to activate a different door.

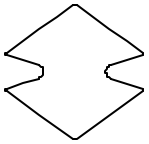
The transmitter LED will light while any transmitter button remains pressed. Rapid LED flashing while any transmitter button is pressed indicates a weak battery. See Maintenance section for battery replacement.

NOTE: Refer to Step 27 for transmitter programming instructions.



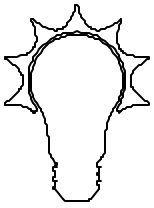
Step 29: Wall Station Operation



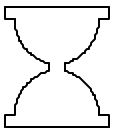


Momentarily pressing the **up/down** button activates the door. If an out-of-balance condition causes the door to stop while opening or reverses the door while closing, applying constant pressure to the up/down button until the door is fully open or closed will allow the opener to move the door in this condition until the problem is corrected. See Troubleshooting.

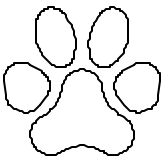
If a severe out-of-balance condition causes the door to stop while closing, the door can ONLY be lowered by the following procedure: Multiple activations of the up/down button will lower the door incrementally. Continue this process until the door is completely closed. **WARNING!: Do not use the emergency disconnect to lower the door. The door could fall rapidly causing a severe or fatal injury.** The severe out-of-balance condition must be corrected before the door can be reactivated: **Contact a qualified service person immediately.**



Momentarily pressing the **light** button turns on the light fixture. The light fixture will remain on until either the light button is pressed again or the door is activated. The light fixture automatically turns on with a door activation and remains on for five minutes thereafter. Pressing the light fixture button before the five minutes has elapsed will turn off the light fixture.

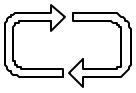


Momentarily pressing the timer button causes a delayed activation of a stationary fully open door. The opener will signal seven beeps (approx. 8 seconds) then beep constantly for two seconds prior to activating the door. Allow enough time to exit the garage when the opener is in the timer mode. Pressing any button, except for the program button while the opener is beeping cancels the timer mode. **NOTE:** The timer feature will only function with the door in the full open position. Pressing the timer button with a stationary door in any other position will cause the opener to beep four times and the door will not be activated. While the door is in motion, the timer button functions identically as the up/down button, stopping the door immediately.



Pressing the **pet** button activates a closed door and causes it to open to a pre-set position between eight and thirty inches above the floor, allowing pets to enter and exit the garage without the door being fully open. The door must be fully closed to activate the pet open feature. Pressing the pet button with a stationary door in the pet open position will cause the door to close. Pressing the up/down button while the door is in the pet position will cause the door to open. While the door is in motion, the pet button functions identically to the up/down button, stopping or reversing the door immediately. The pet feature allows for custom setting of the pet position door height. See Install routine.

NOTICE: A door in the "pet position" (open 8-30 inches) is not locked and should not be used as a secured door position.



Pressing and holding the **profile** button for five (5) seconds will initiate the "Install Routine". Refer back to Step 22 on Page 19 for complete Install Routine instructions and functions.

The wall station LED will light while any wall station button remains pressed. Rapid LED flashing while any wall station button indicates a weak battery. See Maintenance section for battery replacement.

NOTE: Refer to Step 21 for wall station programming instructions.

KEEP THE GARAGE DOOR PROPERLY BALANCED. An improperly balanced door could cause a serious injury. Have a qualified service person make repairs to cables, spring assemblies, and other hardware.

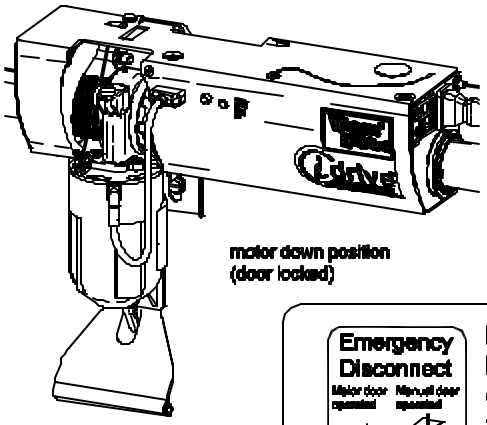
The emergency disconnect should only be used when the door is closed. USE EXTREME CAUTION if operating the emergency disconnect on an open door. Weak or broken spring(s) may allow the door to fall rapidly, causing a severe or fatal injury.

The opener is equipped with an emergency disconnect that allows the door to be moved manually and independent from the opener.

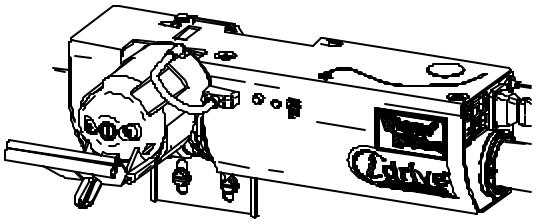
With the door closed, pull down on the disconnect handle and place the handle under the lower fork section of the handle bracket. This motion causes the motor on the opener to pivot upwards and the opener to disconnect form the torque tube.

Releasing the disconnect handle from the lower fork on the handle bracket and returning the handle to its original position will reconnect the opener to the torque tube.

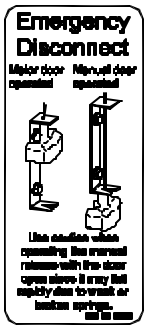
NOTE: The motor will not pivot down when the handle is released. After one motorized up/down door cycle, the motor will once again pivot down, and all cable slack will be taken up. The garage door is not locked, secure from forced entry, until the motor is back in the down position.



motor down position
(door locked)



disconnected, motor up position



Disconnect Label: The label is located next to the disconnect handle. The adjacent view shows the handle in both the motor operated and manual operated positions. View on the left side of the label shows the handle position when the opener is engaged to the torque tube. The view on the right side of the label shows the handle when the opener is disconnected from the torque tube.

NOTE: Use extreme caution if disconnecting. The emergency disconnect should not be used when the door is in the open position. Weak or broken spring(s) may allow the door to fall rapidly causing a severe or fatal injury.

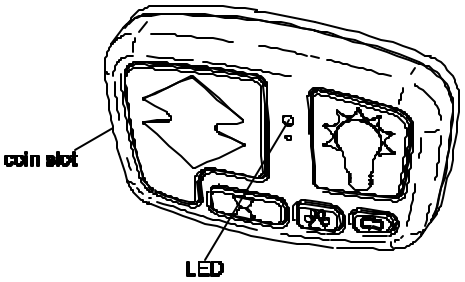
Maintenance:

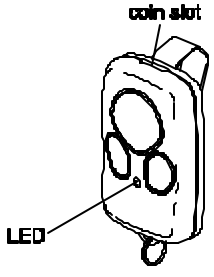
Monthly maintenance

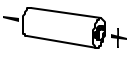
1. With door fully closed, manually operate the door with the emergency disconnect in the manual door operated position. If the door feels unbalanced or binds, have a qualified service person repair or make adjustments to the door.
2. Perform the contact obstruction test. See Step 26 on Page 21 for the contact obstruction test instructions.

Inability to activate a door using the transmitter or wall station may be caused by a weak or dead battery. Press and hold the activation button on either the transmitter or the wall station. Rapid LED blinking or no signal from the transmitter or wall station LED indicates a weak or dead battery. NOTE: Dispose of dead batteries properly.

Battery replacement: Insert a coin in the coin slot of the transmitter or wall station and twist coin to access the dead battery. Replace the battery, being careful to match the positive (+) symbols on the circuit boards with the battery.





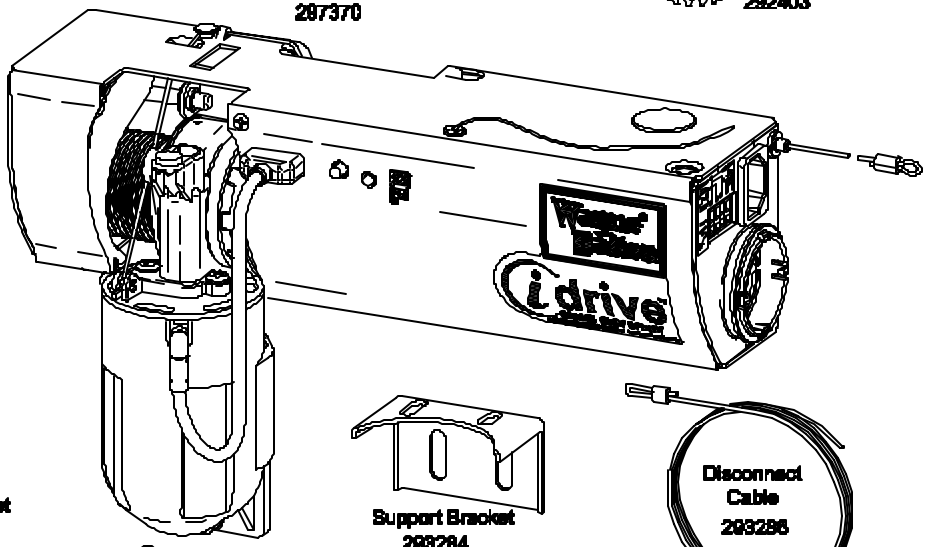


NOTE: Use only MN21 or equivalent 12-volt batteries.

Service parts

Potentiometer Gearscrew
292379

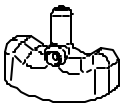
Thrust Bearing
293285



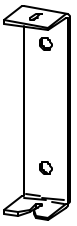
Opener Assembly
297370

Finishing Plug
292403

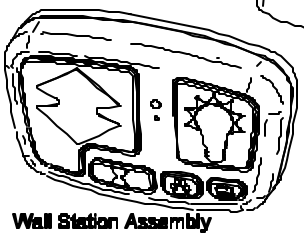
Disconnect Handle
292382



Jumper
296142



Handle Bracket
292357

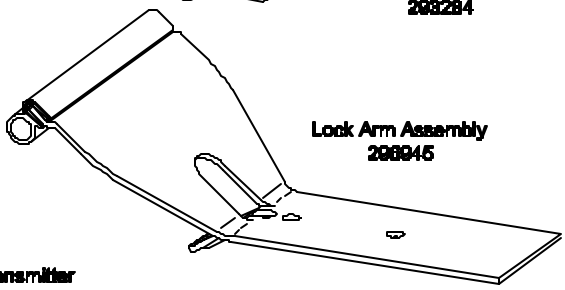


Wall Station Assembly
300644

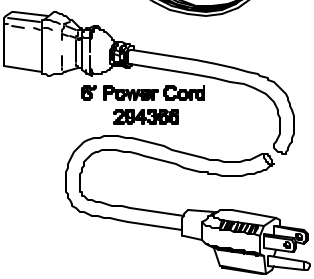
Program Tool
279994

Support Bracket
293284

Disconnect Cable
293286

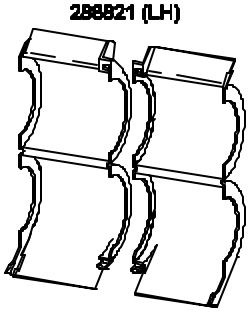


Lock Arm Assembly
298945

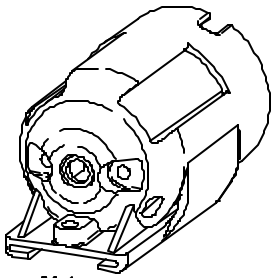


6' Power Cord
294366

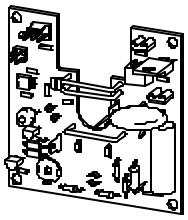
Cable Snubber Set
288820 (RH)
288821 (LH)



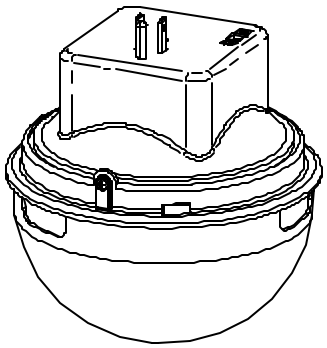
Three-button Transmitter
300643



Motorcover
292371

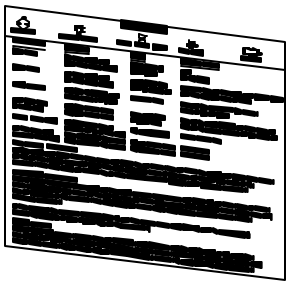


PCB, Light Fixture
PN: 292396

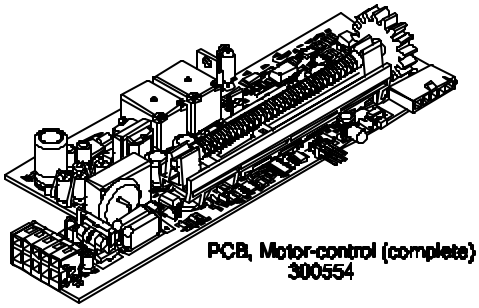


Light Fixture Assembly
293523

Bumper
292358



Reference Label, Wall Station
296218

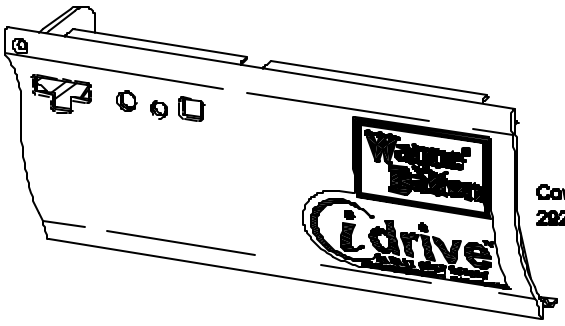


PCB, Motor-control (complete)
300554

12 Volt Battery
270802

Finishing Kit,
Power Cord
EX-01272

Cover, Left
292370



Cover, Right
292375

Troubleshooting

Symptom	Probable cause	Corrective action
Opener does not respond to the wall station or transmitter?	No power to the opener.	Check the opener power cord to outlet connection.
	Controls are not programmed.	See Control programming section.
Opener works from the wall station but not from the transmitter?	Transmitter is not programmed.	See Control programming section.
	Weak or dead transmitter battery.	See Maintenance section for battery replacement.
Opener works from the transmitter but not from the wall station?	Wall station is not programmed.	See Control programming section.
	Weak or dead wall station battery	See Maintenance section for battery replacement.
Door does not move and the opener beeps two times?	The install routine has not been performed.	Perform the install routine.
Door does not move with a remote control command and no beeps come from the opener?. Door does not move with a remote control command and opener beeps one time?	Blown fuse or tripped circuit breaker. No power to the opener.	Reset the circuit breaker or Contact a qualified service person for fuse information.
	Possible damaged motor wiring.	Call a qualified service person.
Door stops or reverses, and the opener beeps three or four times?	Obstruction encountered.	Clear the door path.
	Out-of-balance condition detected.	Contact a qualified service person.
Door does not close properly?	Counterbalance cables are not on the drum properly.	Apply constant pressure to the wall station's up/down button to close the door.
Door will not close?	Thermal delay: The door has cycled eight times in a five-minute period.	Door will operate after a one-minute waiting period.
	Contact obstruction test failure.	Repeat the install routine or contact a qualified service person.
Door does not travel to the full open or full close position?	Door is out of balance.	Adjust the springs to correct the door balance or call a qualified service person.
	Door limits are set improperly.	Repeat the install routine.
Door is not sealing to the floor?	Bottom door limit is set too high.	Disconnect the opener and force the door to the floor by rotating the torque tube. Reconnect the opener and activate the install routine.
Door is reversing at or near the floor?. Motor does not pivot up fully when door is opening? (lock arm interferes with door)	Counterbalance springs have too much tension (torsion).	Unwind spring tension (torsion) in 1/2 turn increments. Install routine may have to be rerun.
Door is reversing at or near the floor?. :	Outside door seal is too tight against the face of the door.	Reinstall the door seal so as to be not so tight against the face of the door.
	Vertical track is spaced to close to the bottom door section, causing the door to bind.	Contact a qualified service person.
Light fixture will not light during the door operation or by pressing the wall station light button?	Misalignment of the light fixture to the opener..	Adjust light fixture alignment of the receiver module with the sending LED on the opener..
	Obstruction between light & opener.	Remove obstruction.
Motor does not pull fully up when using the emergency disconnect?	Disconnect cable has slipped inside of handle	Re-install handle per instructions in Step 12.
Motor starts but the door will not move?	Opener is disconnected from the torque tube.	Ensure disconnect handle is in the "motor operated" position.
		Re-install disconnect handle bracket per Step 12.
Motor does not pivot down?. Motor pivots partially after the door closes?	Detent pin is set too hard.	Using a screwdriver, rotate the detent pin counterclockwise in 1/4 turn increments until the motor fully pivots down after the door closes.
Motor pivots down prematurely (before the door closes completely)?	Detent pin is set too soft.	Using screwdriver, rotate detent pin clockwise in 1/4 turn increments; until motor fully pivots down after door closes, and opener immediately shuts off.
Emergency disconnect won't disconnect?	Internal cable lock sleeve not aligned with the hole in opener chassis.	Route disconnect cable through correct hole in end bracket and pull cable by handle only.. Reposition power cord not to interfere with disconnect cable.

Lock arm troubleshooting

Symptom	Probable cause	Corrective action
The door interferes with the lock arm when manually verifying clearance.	Lock arm is mounted to the opener incorrectly.	Ensure the lock arm is mounted using the correct hole location stated in Step 23 of this manual.
	The torque tube is not level.	Remount the opener per steps 11 and 20 of this manual, ensuring the opener and torque tube are level prior to fastening.
	The door top brackets and/or track configurations are not set correctly.	For new door and opener installations, refer back to the instructions included with the door for top bracket and/or track configurations. For retro-fit installations on current doors, refer back to the insert sheet, included with this manual titled: Retro fit installation for idrive, for top bracket and/or track configurations.
	Motor not fully rotated up to detent pin engaged position.	Remount the disconnect handle and bracket per Step 12 of this manual, ensuring proper cable tension between the opener and the handle.

idrive™
GARAGE DOOR OPENER

Models: 3660-372, 3760-372, 3760N-372

LIFETIME LIMITED WARRANTY

The Manufacturer warrants that the idrive™ garage door opener will be free from defects in materials and workmanship including electronic components for a period of **FIVE YEARS** from the date of installation, provided it is properly maintained and cared for under normal use and service. The motor has an extended **LIFETIME** warranty against defects in materials and workmanship.

This Warranty extends to the original homeowner, providing the garage door opener is installed in his/her place of primary residence. It is not transferable. The warranty applies to residential property only and is not valid on commercial or rental property.

NO EMPLOYEE, DISTRIBUTOR, OR REPRESENTATIVE IS AUTHORIZED TO CHANGE THE FOREGOING WARRANTIES IN ANY WAY OR GRANT ANY OTHER WARRANTY ON BEHALF OF MANUFACTURER.

The Manufacturer shall not be responsible for any damage resulting to or caused by its products by reason of installation, improper storage, unauthorized service, alteration of products, neglect or abuse, any acts of nature beyond Manufacturer's control (such as, but not limited to, lightning, power surges, water damage, etc.), or attempt to use the products for other than the customary usage or for their intended purposes. The above warranty does not cover normal wear or any damage beyond Manufacturer's control or replacement labor.

THIS WARRANTY COVERS A CONSUMER PRODUCT AS DEFINED BY THE MAGNUSON-MOSS WARRANTY ACT. NO WARRANTIES, EXPRESSED OR IMPLIED, (INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), SHALL EXTEND BEYOND THE APPLICABLE TIME PERIOD STATED IN BOLD FACE TYPE ABOVE.

Claims for defects in material and workmanship covered by this warranty shall be made in writing to the dealer from whom the product was purchased within the warranty period. Manufacturer may either send a service representative or have the product returned to the Manufacturer at Buyer's expense for inspection. If judged by Manufacturer to be defective in material or workmanship, the product will be replaced or repaired at the option of the Manufacturer, free from all charges except authorized transportation and replacement labor.

THE REMEDIES OF BUYER SET FORTH HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER REMEDIES, THE LIABILITY OF MANUFACTURER, WHETHER IN CONTACT, TORT, UNDER ANY WARRANTY OR OTHERWISE, SHALL NOT EXTEND BEYOND ITS OBLIGATION TO REPAIR OR REPLACE, AT ITS OPTION, ANY PRODUCT OR PART FOUND BY MANUFACTURER TO BE DEFECTIVE IN MATERIAL OR WORK SHALL NOT BE RESPONSIBLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

This Warranty gives you specific legal rights, and you may have other rights, which may vary from state to state. However, some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

Questions??
For quick answers and helpful advise, call
Wayne-Dalton Customer Service
(888) 827-3667

Part no: 297368

Retro Fit Installation for idrive : Door model(s): 9200 / 9100 Foamcore™

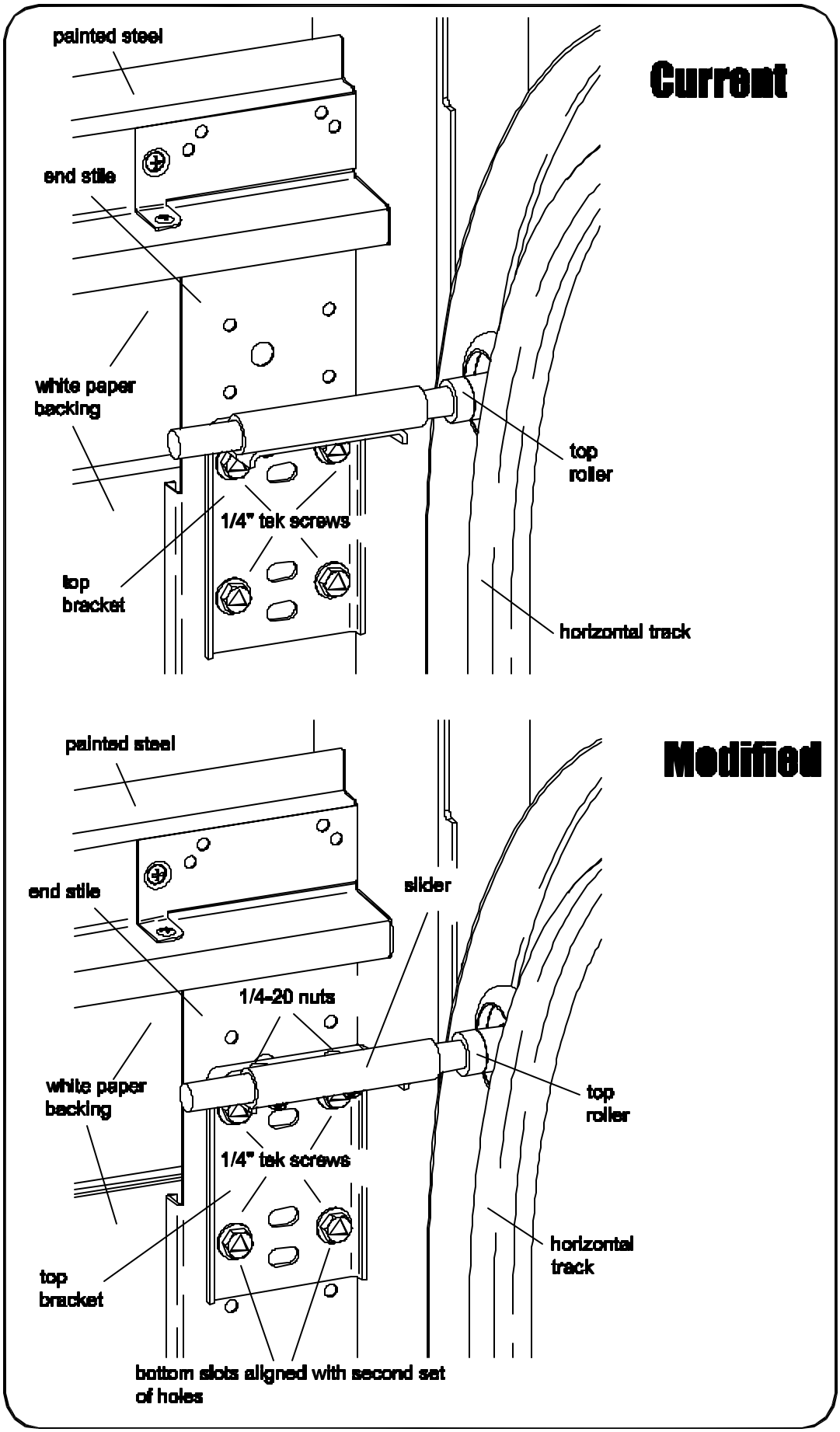
If installing an idrive opener on a Wayne-Dalton model 9100 / 9200 door that is all ready installed, the top roller location will have to be adjusted for the opener to work properly.

NOTE: 9100 / 9200 doors have a painted steel face with a white paper backing. If your door has both a steel face and a steel backer, ignore this retro fit installation sheet.

Perform the following step, then return to the Idrive™ installation instructions to complete the installation.

CAUTION! To avoid the top panel from falling, only do one side at a time when relocating the top brackets.

Remove the (4) 1/4" tek screws from the right hand top bracket. Align the bottom slots of the top bracket with the second set of holes in the end stile. Reattach top bracket to the end stile with the (4) 1/4" tek screws. Realign the top roller in the horizontal track by loosening the two 1/4-20 nuts, adjusting the top roller by moving the slider bracket out to force the door section against the weather seal. Tighten (2) 1/4-20 nuts. Repeat for the opposite side.



Updated: 7/22/02

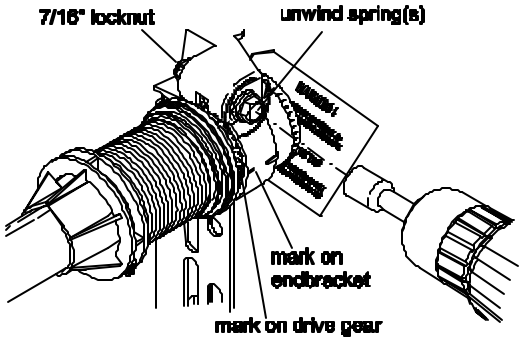
part no: EX-02384

Retro Fit Installation for iDrive : Door model(s): 8200 / 8100 / 8000

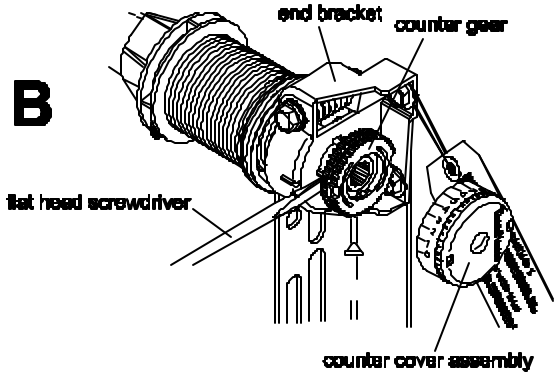
If installing an iDrive opener on a Wayne-Dalton, model 8000 / 8100 / 8200 door, the top roller location and track height will have to be modified for the opener to work properly. Perform the following steps, in order, then return to the iDrive™ installation instructions to complete the installation.

WARNING! Counterbalance spring tension must be relieved before removing any hardware. A powerful spring releasing it's energy suddenly can cause serious, even fatal injury.

A



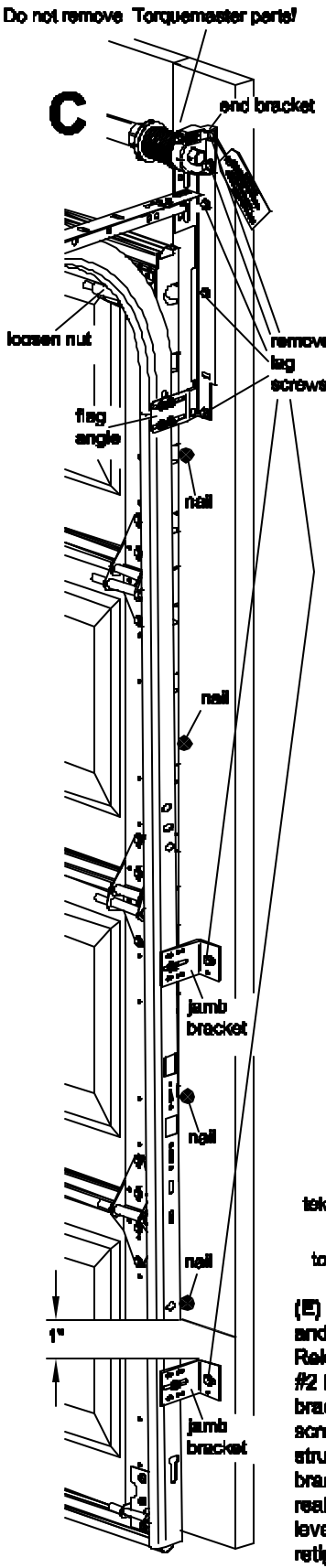
B



(A) Place a mark on a drive gear tooth and an adjacent mark on the right hand end bracket. Using a 7/16" wrench, loosen lock nut on the back of the end bracket. Using an electric drill (high torque/gear reduced to 1300 RPM preferred), with a 7/16" hex head driver, unwind the right hand winding bolt counter clockwise and count the number of times (turns) the mark on the drive gear passes the adjacent mark on the end bracket. Referencing the chart below, unwind the spring the number of turns corresponding to your door height. If the door has two springs, repeat this process for the left side. NOTE: Do not use the counter assembly as a means of counting the winds during the unwinding process.

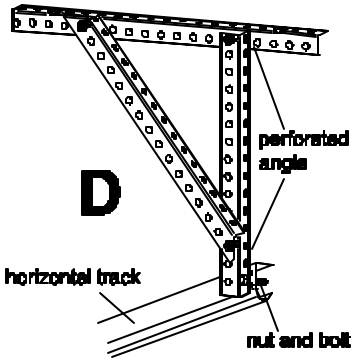
6'-0" Door height = 14-1/2 turns	**DO NOT USE AN IMPACT GUN TO UNWIND THE SPRINGS!**
6'-5" Door height = 15-1/2 turns	
6'-6" Door height = 15-1/2 turns	
6'-8" Door height = 16 turns	
7'-0" Door height = 16-1/2 turns	
7'-3" Door height = 17 turns	
7'-6" Door height = 17-1/2 turns	
7'-9" Door height = 18 turns	
8'-0" Door height = 18-1/2 turns	

(B) Remove the counter cover assembly. Slide a flat head screwdriver between the end bracket and the counter gear. Gently pry the counter gear away from the end bracket. If the door has two springs, repeat this process for the opposite side.



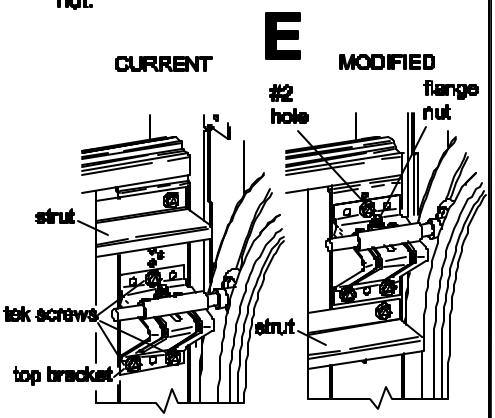
(C) In the door jamb, fasten a nail between the door and the track and bend the nail over the section to hold in place. Remove the lag screws from the flag angle, TorqueMaster™ end bracket, and each jamb bracket. Using a 7/16" wrench, loosen the flange nut on the top bracket slider. Place a mark 1" up from one of the tops of one of the jamb brackets. Raise the track up and align the jamb bracket with this line. With the track relocated, reattach the flagangle, end bracket, and jamb brackets to the header and/or door jamb. **NOTE: Do not remove TorqueMaster™ parts (torque tube, drum, and end bracket assembly) from the flag angle. This will act as a spacer when resecuring the track.**

D



(D) Remove bolt securing back of horizontal track to the perforated angle and relevel the horizontal track with the new 1" raised location. Reattach the horizontal track to the perforated angle with the same bolt and nut.

E



(E) Remove the one tek screw from the top leg and the two tek screws from the bottom leg. Relocate the top hole of the top bracket with the #2 hole in the end stile and reattach the top bracket to the endstile with the same three screws. (It may be required to relocate the top strut (if installed) to correctly place the top bracket in its new location.) Once secure, realign the top roller in the horizontal track by leveling the top panel vertically. Once leveled, retighten the flange nut. .

Repeat steps C-E for the opposite side.

Updated: 7/22/02

part no: EX-02384