

**FCC Part 15
433.92 MHz Transmitter Certification
& 372 MHz Receiver Declaration of Conformity**

Test Report

**FCC ID: KJ8-ID372R2
FCC Rule Part: 15.231**

ACS Report Number: 03-0197-15C231

Manufacturer: Wayne-Dalton Corporation
Equipment Type: RF Controlled Garage Door Opener
Model: Operator 40XR (Torsion *idrive*TM)
Model Variants: 3660-372, 3661-372, 3662-372, 3663-372, 3740-372,
3760-372, 3761-372, 3762-372

Installation and Operators Guide



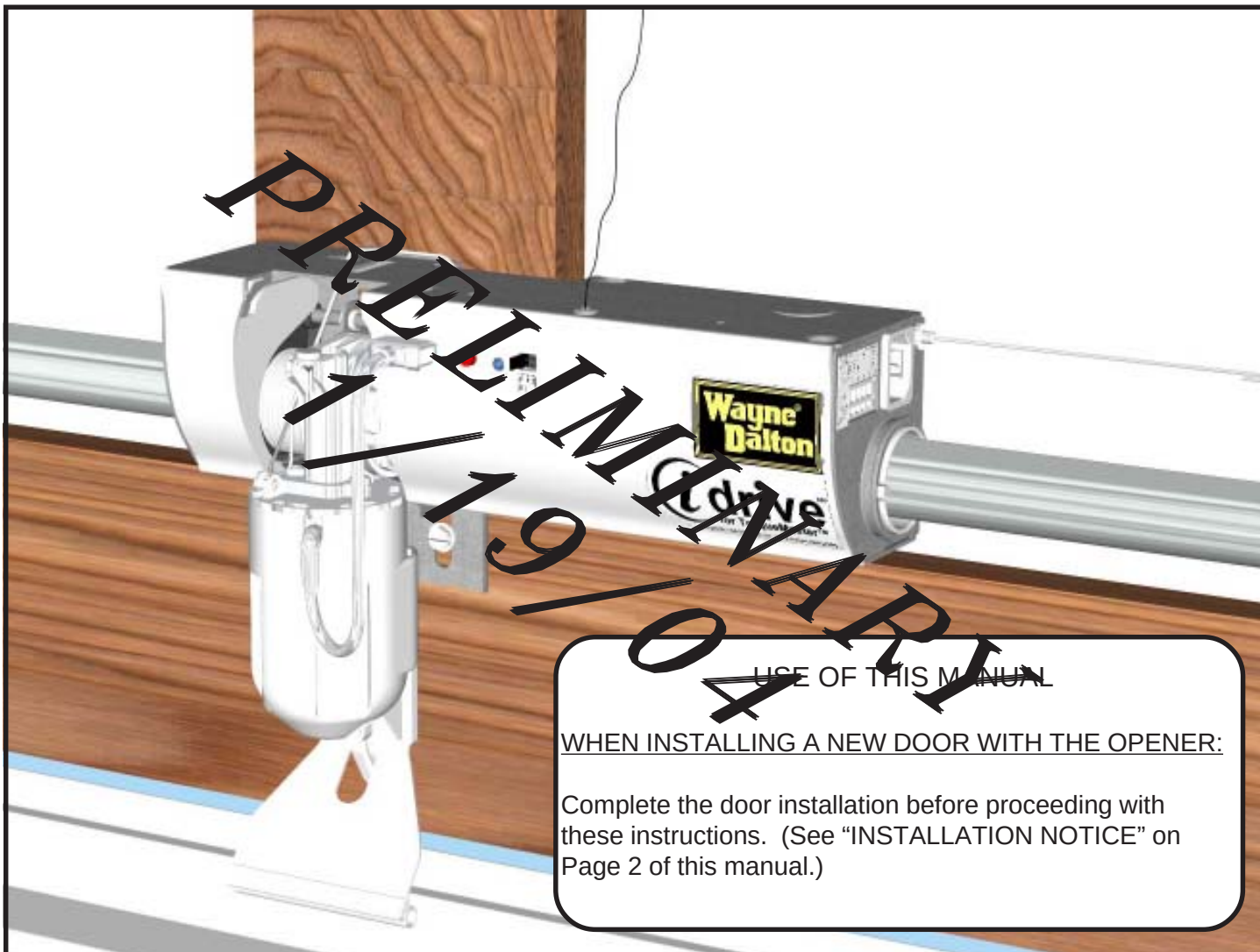
Wayne-Dalton Corp.
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(888) 827-3667
www.wayne-dalton.com



Installation Instructions and Owner's Manual

Models: 3660-372 / 3661-372/3662-372/3760-372

Covered under one or more of the following U.S. patents: 5,929,580/5,931,212/5,419,010/6,561,255/6,561,256/
6,401,792/6,326,751/6,326,754/6,325,134/6,263,947/6,164,014/6,078,249/D157,139/D157,140/D466,141/D413,867/
D413,579/D421,031/D472,568/D472,910/6,605,910 European Patent: 0925417
other U.S. and foreign patents pending



Important Notice!

Read the enclosed instructions carefully before installing/operating this garage door opener. Pay close attention to all warning labels and notes. This manual should be attached to the wall in close proximity to the garage door opener.

INSTALLATION NOTICE: If installing this idrive™ opener on a door currently installed with a TorqueMaster™ counterbalance system, start installation on page 6. If installing this idrive™ opener as part of a new door installation, complete the door installation first (using instructions supplied with the door), then proceed to Step: 16 on page 16, of this manual, for the remaining opener installation procedures.

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After installation is complete, fasten this manual near garage door. Perform monthly maintenance (see Maintenance section page 36) and periodic checks, as recommended.

System Requirements

⚠ WARNING To reduce the risk of injury, use this opener only with the following door systems:

WAYNE-DALTON DOOR MODEL	WAYNE-DALTON SPRING SYSTEM	TRACK (RADIUS)	PHOTOELECTRIC SAFETY SENSORS	LOW HEAD ROOM KIT
9000 SERIES	TorqueMaster™	10",12",14",15"	NOT REQUIRED	NOT REQUIRED
9000 SERIES	TorqueMaster™	6" LOW HEAD ROOM	NOT REQUIRED	P/N 302883 REQ'D
8000 SERIES	TorqueMaster™	10",12",14",15"	P/N's 252118 or 301674 REQUIRED	NOT REQUIRED
8000 SERIES	TorqueMaster™	6" LOW HEAD ROOM	P/N's 252118 or 301674 REQUIRED	P/N 302883 REQ'D

FCC and IC Statement

FCC Regulatory Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Regulatory Information:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION AND USE

**WARNING: INCORRECT
INSTALLATION CAN LEAD
TO SEVERE OR FATAL
INJURY. FOLLOW
INSTRUCTIONS.**

**WARNING: IT IS VITAL FOR
THE SAFETY OF PERSONS
TO FOLLOW ALL
INSTRUCTIONS. SAVE
THESE INSTRUCTIONS.**



**READ AND FOLLOW ALL
INSTALLATION INSTRUCTIONS.**



**Install only on a properly balanced
garage door. An improperly
balanced door could cause severe
injury. Have a qualified service
person make repairs to cables,
spring assemblies, and other
hardware before installing the
opener.**



**Do not connect the opener to a
power source until instructed to do
so.**



**Where possible, install the opener
seven feet or more above the floor.
Mount emergency release six feet
above the floor.**



**Install the entrapment warning label
next to the wall station in a
prominent location. Install the
emergency release marking on or
next to the emergency disconnect.**



**Locate the wall station: (a) within
sight of door, (b) at a minimum
height of five feet, so small children
cannot reach it, and (c) away from
all moving parts of the door.**



**Remove all ropes and remove or
make inoperative all locks
connected to the garage door before
installing the opener.**



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



**Do not wear rings, watches or loose
clothing when installing or servicing
a garage door system.**



**Installation and wiring must comply
with local building and electrical
codes. Connect power cord to a
properly grounded outlet. Do not
remove the ground pin from power
cord.**



**Wear safety glasses for eye
protection when installing or
servicing the opener or door.**

NOTE: This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instruction, may cause harmful interference to radio communication; however, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning equipment off and on, user is encouraged to try to correct interference by one or more of the following measures: Reorient or relocate receiving antenna. Increase separation between equipment and receiver. Connect equipment into an outlet on a circuit different from that which receiver is connected. Consult your dealer or/and experienced radio/television technician for help. **WARNING:** Changes or modifications to this unit not expressly approved by party responsible for compliance could void user's authority to operate this equipment.

Package Contents:



Three-button Transmitter (2)



Support Bracket



Opener



6' Power Cord (1)

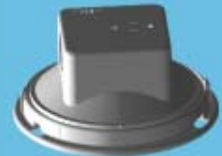
Wall Station Assembly



Wall Station Reference Label



Photoelectric Safety Sensors W/Hardware (Model 3662-372 only)



Light Fixture Assembly w/ Screw & Diffuser???



Lock Arm Assembly



Entrapment Label



Owners Manual



5 Button Wireless Keyless Entry (KEP3) W/ Hardware

Hardware Kit:



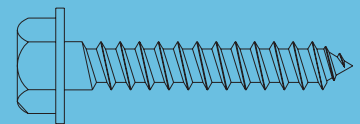
Disconnect Handle (1)



"S" Hook (1)



Disconnect Cable (1)



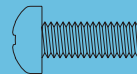
1/4 x 1-1/2" Hex Head Lag Screws (4)



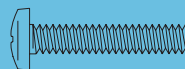
Emergency Disconnect Label (1)



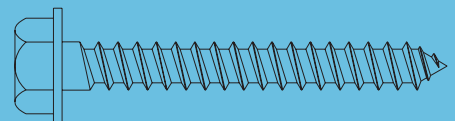
Handle Bracket (1)



M5 x .8 x 12 Phillips Pan Head Screw (1) (For Lock Arm)



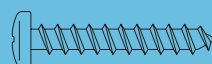
#6-32 x 3/4" Phillips Pan Head Screw (1) (For Light Fixture)



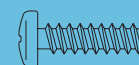
1/4 x 2" Hex Head Lag Screws (2)



Cable Clips (4)



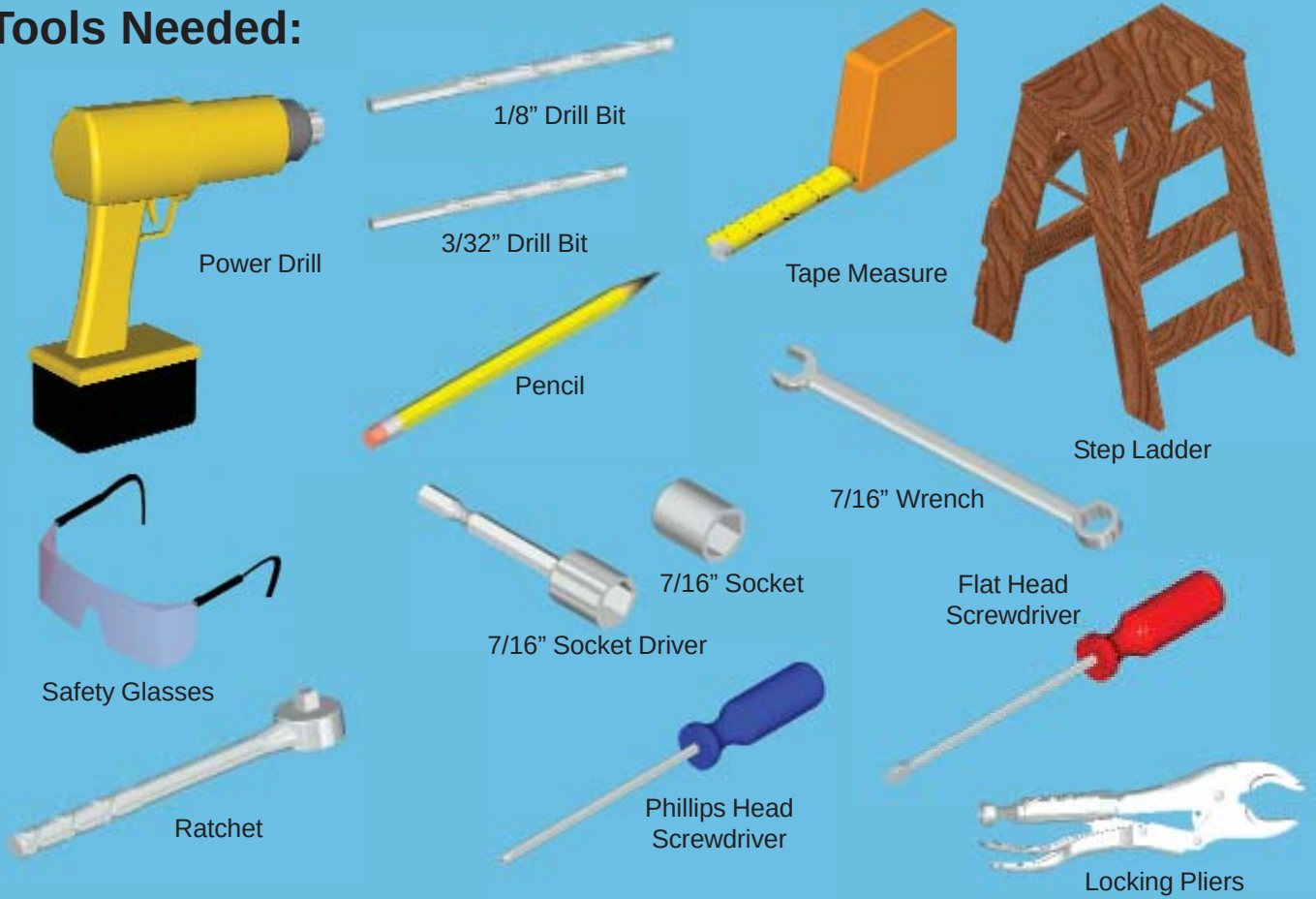
#6 x 7/8" Phillips Pan Head Screws (4)



#6-20 x 1/2" Phillips Pan Head PL Screw (1) (for disconnect handle)

????? Screw (2) (for 7-function wall-station)

Tools Needed:



Available Accessories:



iDrive™ Retro-fit Installation

Step 1: Spring Tension Removal

⚠ WARNING COUNTERBALANCE SPRING TENSION MUST BE RELIEVED BEFORE REMOVING ANY HARDWARE. A POWERFUL SPRING RELEASING ITS ENERGY SUDDENLY CAN CAUSE SEVERE, EVEN FATAL INJURY.

Remove drum wraps from cable drums (if installed).

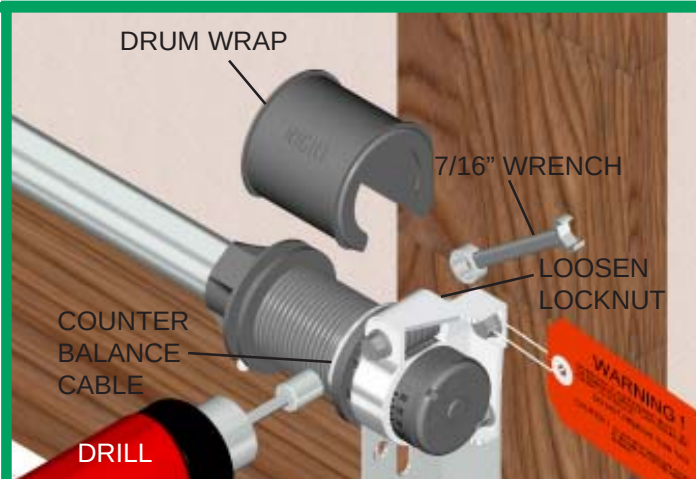
Using a 7/16" wrench, loosen lock nut on the back of the end bracket. Using an electric drill (high torque/ gear reduced to 1300 RPM preferred), with a 7/16" hex head driver, unwind the right hand winding bolt counter clockwise until the counter shows zero. If the door has two springs*, repeat this process for the left hand side.

***NOTE:** A door with only one spring will not have a counter assembly on the left hand side.

NOTE: Spring(s) is/are fully unwound when counterbalance cables have no tension.

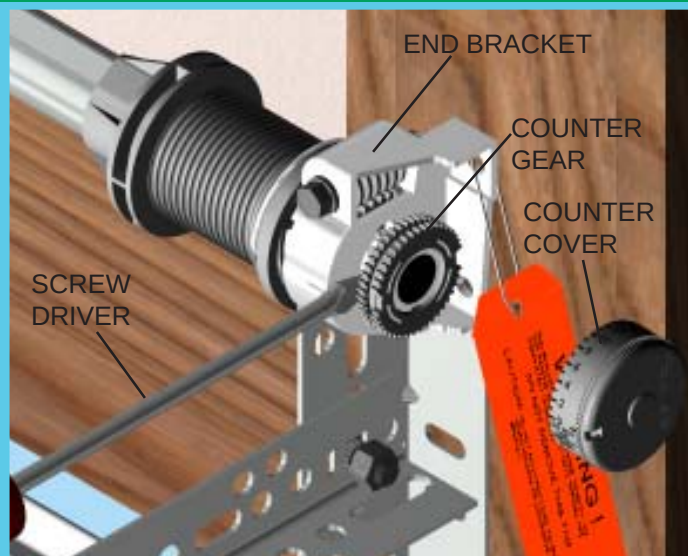
⚠ WARNING DO NOT USE AN IMPACT GUN TO UNWIND THE SPRINGS!

NOTE: It is recommended that cable drums and end bracket assemblies get updated to current designs for optimal performance. Current end brackets are made of metal instead of plastic, and counter cover and worm gears are made of grey plastic, instead of black and white plastic. If new parts are required, contact Wayne-Dalton Customer Service.



Step 2: Right Hand Counter Removal

REMOVE THE COUNTER COVER. 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.



Step 3: Right Hand End Bracket Removal

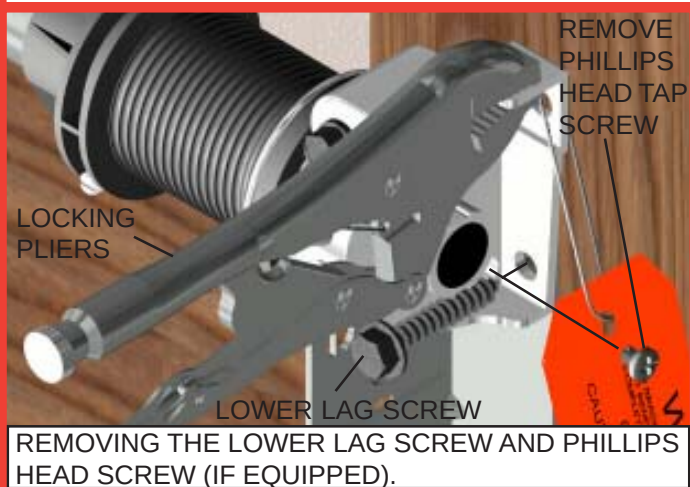
To remove the end brackets, follow the steps below starting with the right hand end bracket first:

1. Remove the upper lag screw from the end bracket.
2. Attach a pair of locking pliers to the upper portion of the end bracket and hold the end bracket steady while removing the lower lag screw and the phillips head screw. Discard phillips head screw.
3. Holding the end bracket with the locking pliers, carefully pry the end bracket from the drum with a flat head screwdriver. Repeat for left hand end bracket.

⚠WARNING THE WINDING SHAFT MAY ROTATE WHEN REMOVING THE END BRACKET AND GEAR.



1.



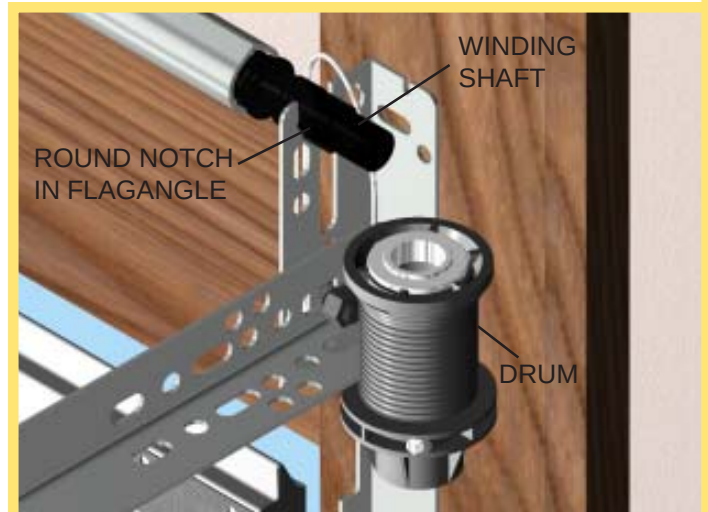
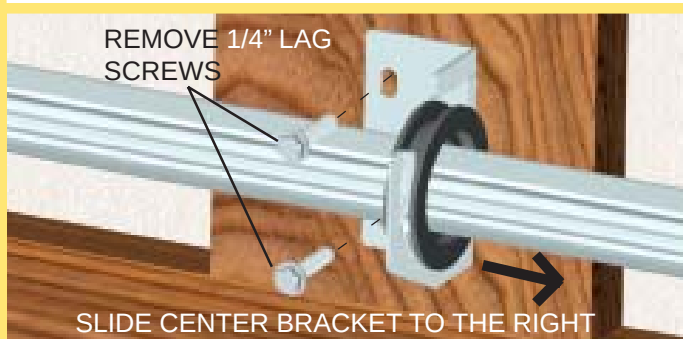
2.



3.

Step 4: Drum/Centerbracket Removal

Remove the two 1/4" lag screws from the center bracket. Slide bracket to the right side of the torque tube. Lift the right side of the torque tube up and slide the cable drum and center bracket off the end of the torque tube. Drape the drum over the flag angle by the counterbalance cable and realign the groove in the winding shaft with the round notch in the flag angle. Once aligned, lower the winding shaft and torque tube onto the flag angle. Repeat cable drum removal for left side.



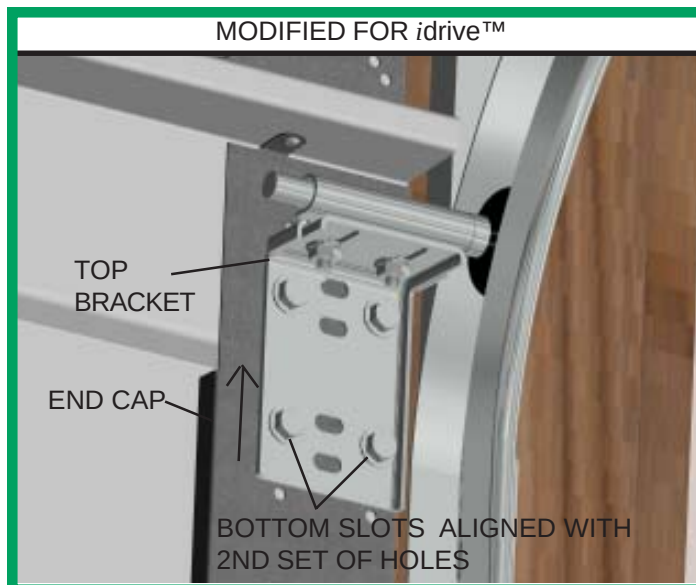
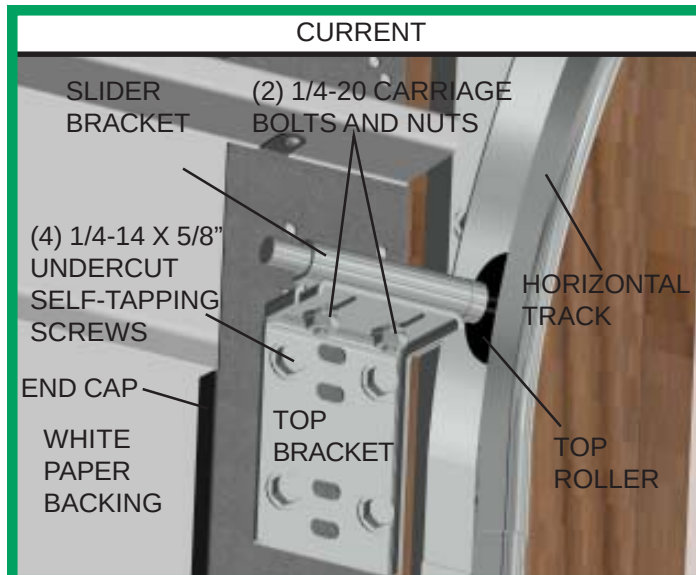
Step 5: 9100 Foamcore™ Top Bracket Re-Installation (If necessary)

If installing an *idrive*™ opener on a 9100 Foamcore™ door that has already been installed, the top bracket and roller location will have to be adjusted for the opener to work properly.

NOTE: The 9100 Foamcore™ doors have a painted steel face, foam insulation and white paper backing. If your door does not match this description you may skip this step.

CAUTION: To avoid the top panel from falling, complete re-installation on one side before beginning the other.

Loosen the (2) 1/4-20 nuts from the slider bracket. Remove the (4) 1/4-14 x 5/8" self-tapping screws from the top bracket. Raise the top bracket to align the bottom slots with the second set of holes in the end cap. Reattach top bracket to the end cap with the (4) 1/4-14 x 5/8" self-tapping screws. Realign the top roller in the horizontal track 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.



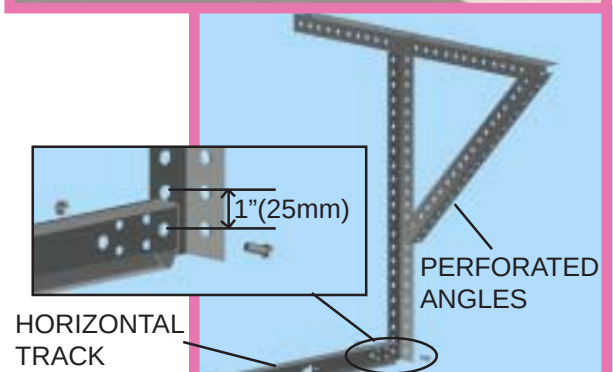
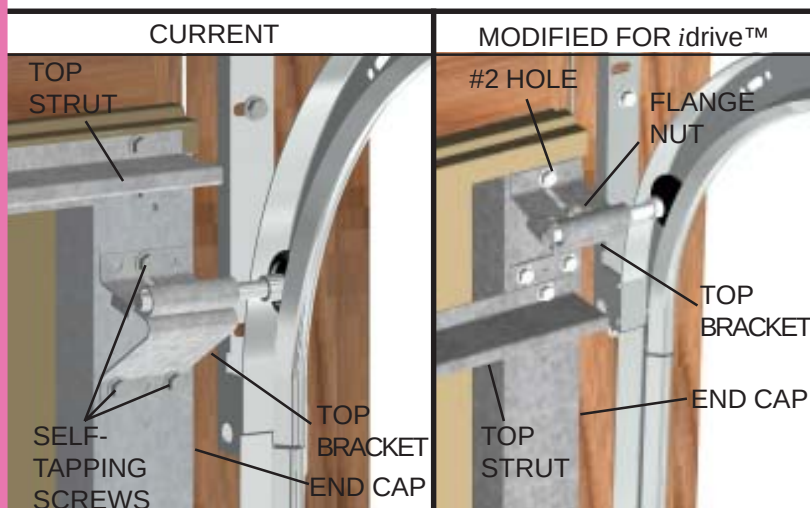
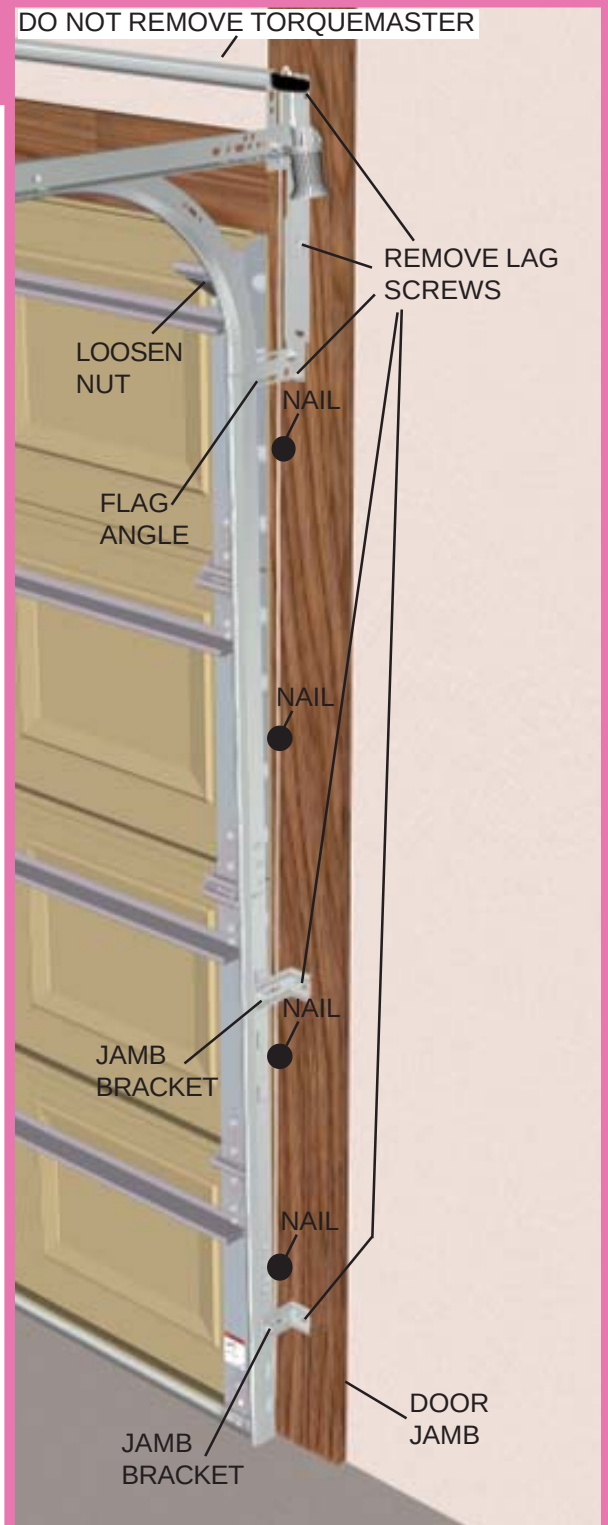
Step 6: 8000/8100/8200 Track Adjustment (if necessary)

If installing an *idrive*™ opener on a 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 the door jamb, fasten a nail between the door and the track and bend the nail over the section to hold in place. **Important refer to step 1-2 on pg. 6, before continuing to the next step.** Remove the lag screws from the flag angle 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.

Remove bolt securing back of horizontal track to the perforated angle and re-level the horizontal track with new 1"(25mm) raised location. Reattach the horizontal track to the perforated angle with the same bolt and nut (refer to bottom right illustration).

Remove the (3) self-tapping screws from the top bracket. Relocate the top hole of the top bracket with the #2 hole in the end cap and reattach the top bracket to the end cap with the same three screws. (It may be required to relocate the top strut (if installed) to correctly place the top bracket in it new location.) Once secure, realign the top roller in the track by moving bracket out until door section is straight up and down. Retighten the flange nut. Repeat for opposite side.



Step 5: Assembling Opener

Check the location of the label on the torque tube. See ***NOTE 3** below if located on right hand side, otherwise proceed with the following instructions.

Lay the torque tube on the floor (inside garage) in front of the door with the labeled end to the left. **NOTE: Opener will not slide over a torque tube label.** Attempting to slide opener over the left end of the torque tube can damage the internal electronics.

IMPORTANT! Right and left hand are always determined from inside the garage looking out.

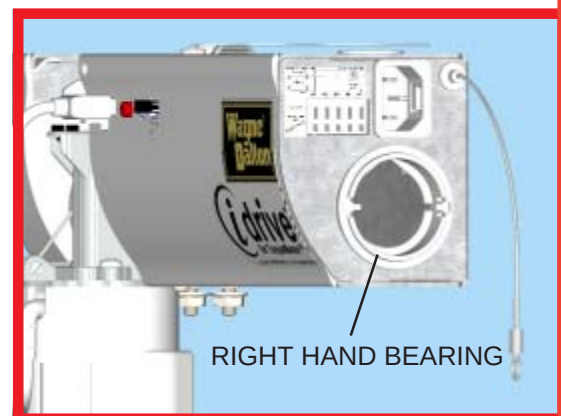
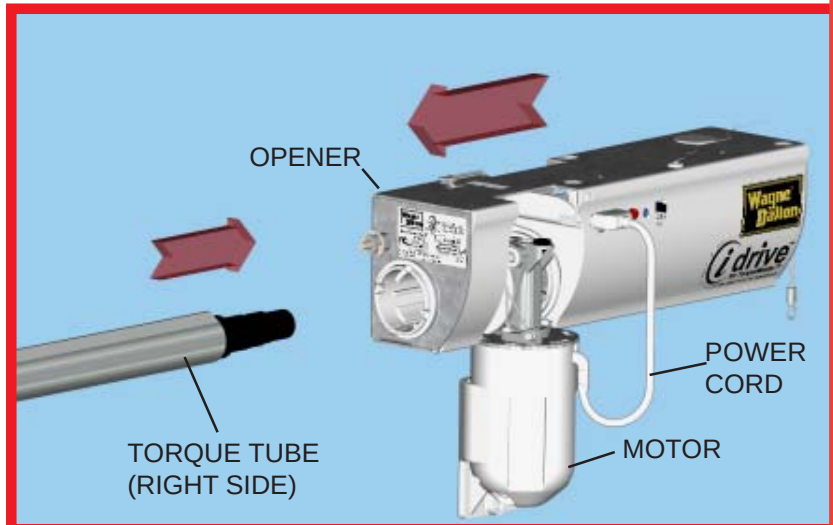
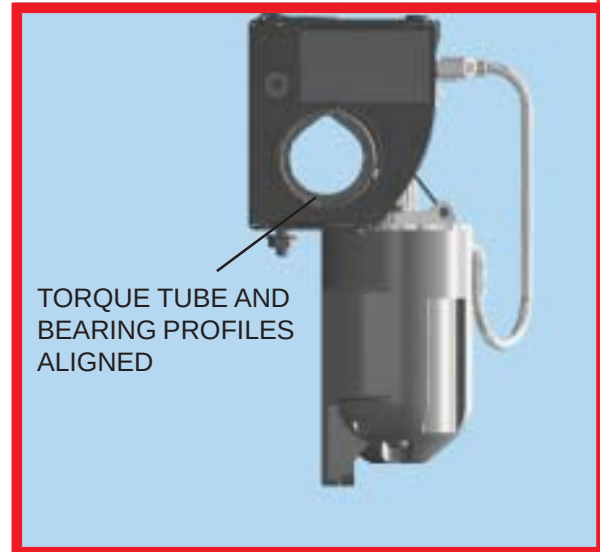
NOTE 1: Hold opener by the main body. Do NOT hold by the motor.

Look into the opener's left side to ensure the left hand bearing and the internal (black) sleeve are aligned with the torque tube profile. Once aligned, slide the opener onto the right hand end of the torque tube. As the right end of the torque tube enters the internal (black) sleeve, rotate the opener back and forth slightly to help aid alignment.

NOTE 2: Do not force the opener onto the torque tube if misalignment occurs.

Continue sliding the opener onto the torque tube. Align the right hand bearing with the torque tube and slide the opener completely onto the torque tube until the torque tube exits the opener right hand bearing. Continue sliding the opener to the center of the torque tube. Plug the motor power cord into the opener.

***NOTE 3:** IF YOUR TORQUE TUBE HAS THE LABEL LOCATED ON THE RIGHT SIDE, DOCUMENT THE INFORMATION ON THE LABEL, THEN REMOVE IT COMPLETELY USING AN ADHESIVE REMOVER OR MINERAL SPIRITS.

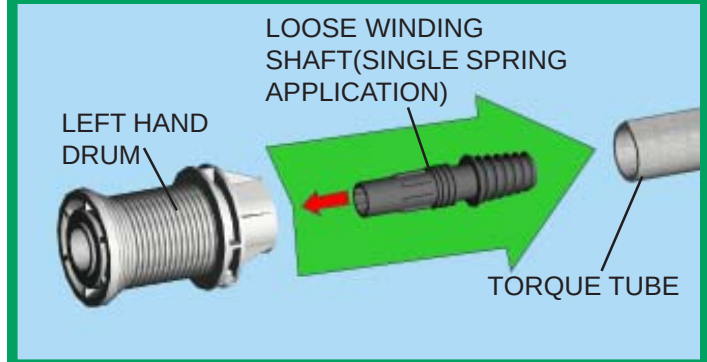
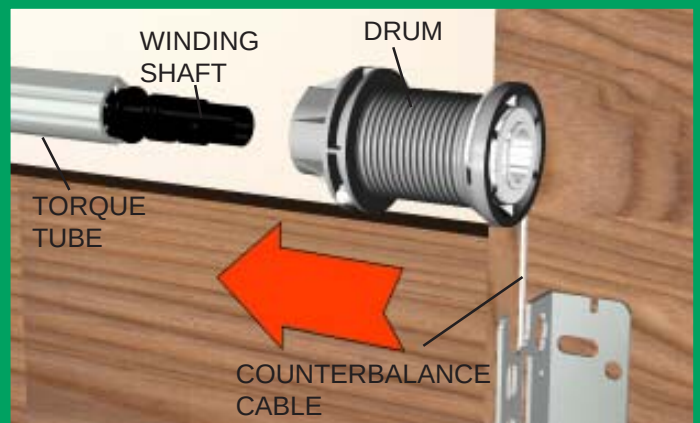
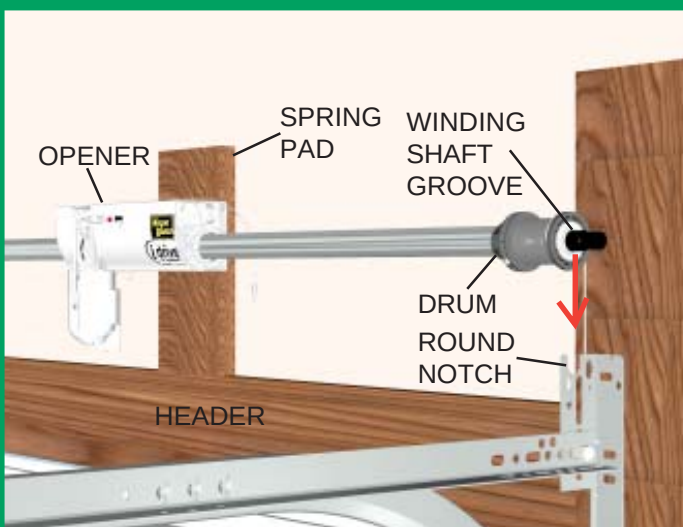


Step 6: Drum Installation

Shake the torque tube gently to extend the winding shafts out about 5" on each side. For single spring applications, there will be no left hand spring in the torque tube.

Lift the torque tube and rest on top of flagangles. Orient torque tube so that back of opener is flat against header/spring pad.

Cable drums and torque tube are cam shaped to fit together only one way. To install the cable drum, slide the drum over the winding shaft until the drum seats against the torque tube. The winding shaft must extend past the drum far enough to expose the splines and the groove. Align the winding shaft groove with the round



notch in the flagangle. Repeat for opposite side for double spring applications.

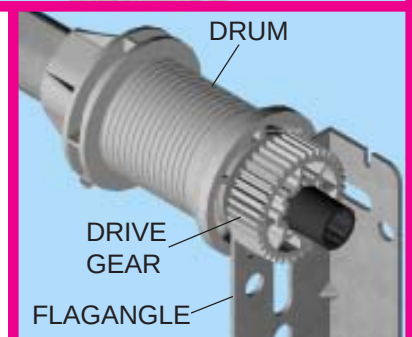
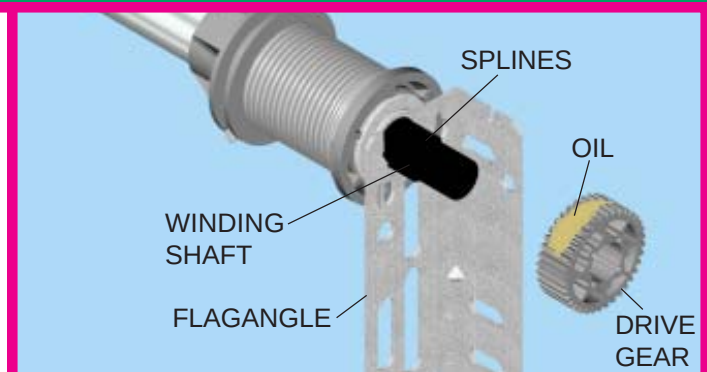
For single spring applications, insert the loose winding shaft into the left hand drum prior to sliding the drum over the torque tube.

NOTE: On single spring applications, take care in handling the loose winding shaft (left side) so that it does not slide back into the torque tube.

Step 7: Drive Gear Installation

Beginning with the right hand side, lubricate entire circumference of the drive gear with new light weight oil (not provided). Slide the drive gear onto the winding splines until it touches the flagangles.

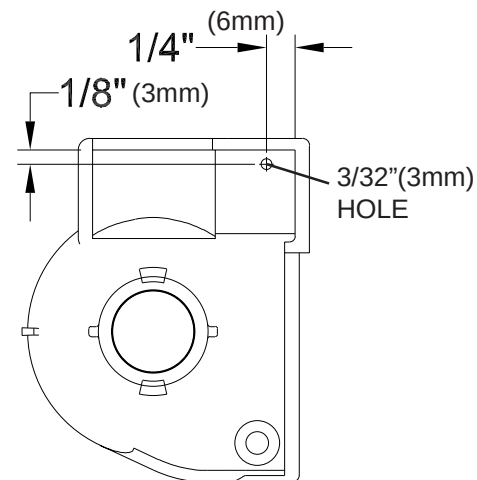
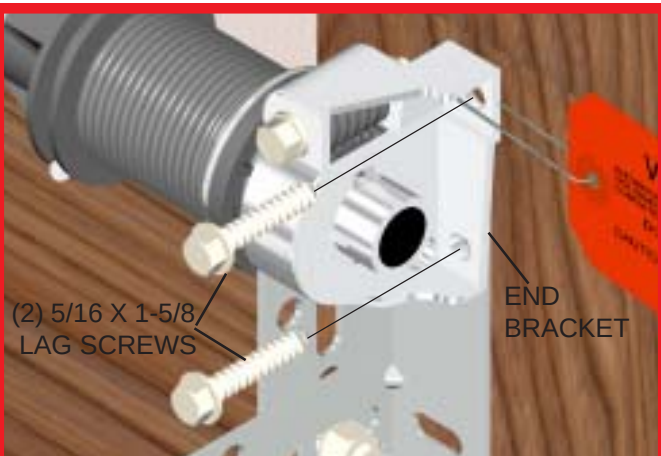
NOTE: No drive gear is required for the left side on single spring applications.



Step 8: End Bracket Installation

IMPORTANT! Warning tags must be securely attached to both end brackets.

NOTE: Older end brackets will not have a hole needed for the opener's emergency disconnect cable. If the right hand end bracket does not have a hole for the disconnect cable, drill a 3/32" (3mm) hole as shown prior to installing the end bracket.



Slide the right hand end bracket over the drive gear. Secure end bracket and the flagangle to the jamb using (2) 5/16 x 1-5/8" lag screws.

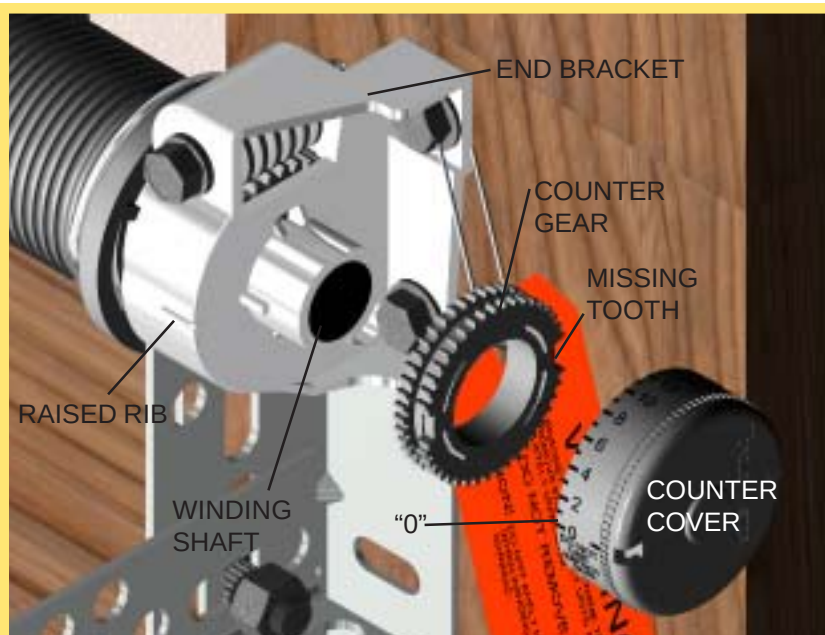
Step 9: Counter Installation

Install the right side counter gear, with the missing tooth toward the outside, away from the end bracket. Press the counter gear onto the end bracket until snaps engage. Select the right hand counter cover and align the hex of the counter cam with the end of the winding shaft. Also, align the "0" on the counter cover with the raised rib on the end bracket. Press the counter cover against the counter gear until it locks into place. Repeat for left hand side for double spring applications.

NOTE: No drive gear, counter gear or counter cover is required on left hand side for single spring applications. Only an end bracket is needed.

IMPORTANT! At this time do not wind counter balance springs!

HEX OF COUNTER CAM

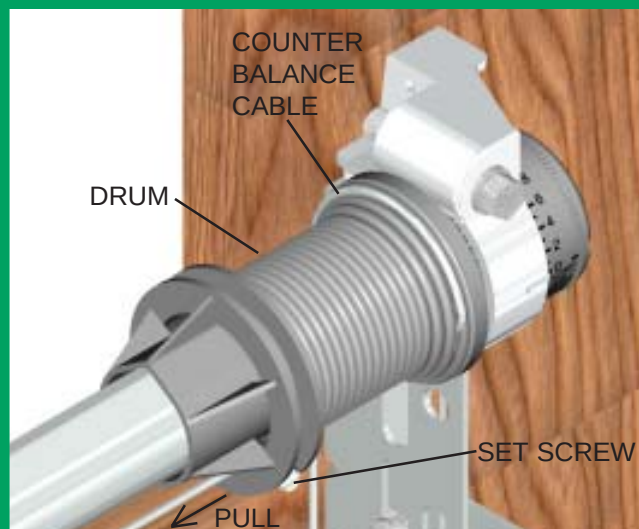


Step 10: Cable Adjustments

Rotate the drum until the set screw faces directly away from the header.

NOTE: Cable tension is set during the initial door installation. If there is slack between the counterbalance cable and the drum or unequal tension between the right and left hand cables, the cables will have to be readjusted. If there is no slack and equal tension proceed to Step 11.

Beginning with the right side, Loosen the set screw enough to adjust cable, approximately 2 turns. Pull on the end of the cable to remove all cable slack. Check to ensure the cable is aligned and seated in the first groove of the cable drum. Snug the set screw, then tighten an additional 1-1/2 turns. Repeat for left side.



Step 11: Opener/Support Bracket Installation

Locate the spring pad. The spring pad is a vertical running board directly above the center of the door. Remove (2) 1/4-20 flange nuts from bottom of opener.

NOTE: Do not discard flange nuts.

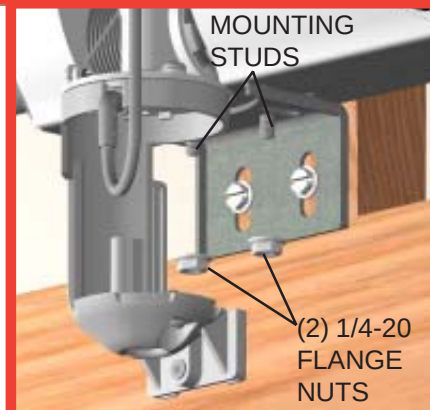
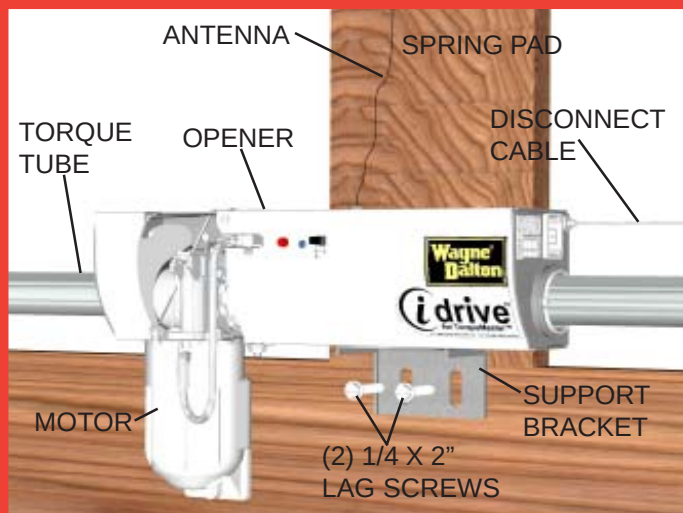
Place the support bracket underneath opener, to the right side of motor, centered on spring pad. Level the torque tube to the top of the door section with the iDrive™ resting on the support bracket. Once torque tube is level, secure support bracket to the spring pad with (2) 1/4 x 2" lag screws.

Lift and slide the opener over the support bracket, aligning the mounting studs with the bracket slots. Loosely fasten to mounting studs with the (2) 1/4-20 flange nuts.

Alternately, the disconnect cable can be pulled to allow motor to pivot up. This will enable assembly of the support bracket to the opener first followed by leveling of the torque tube and then attachment of support bracket to spring pad. Remove the temporary orange label holding the antenna wire. Straighten antenna and position up and slightly to the right as shown.

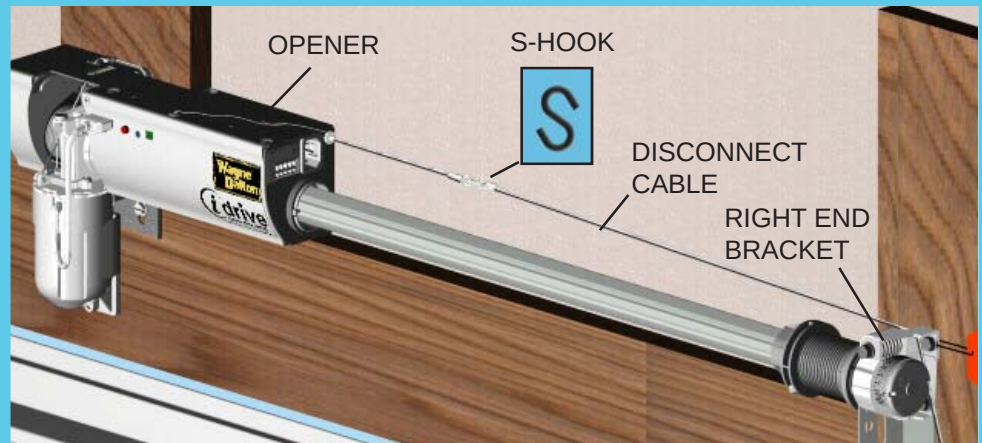
NOTE: Do not tighten 1/4-20 flange nuts to opener studs at this time.

NOTE: iDrive must be installed on a solid spring pad surface.



Step 12: Disconnect Installation

Attach the loose disconnect cable (located in opener hardware bag) to the opener with the "S" hook. Close both ends of the "S" hook to lock assembly together. Thread the disconnect cable through the hole in the right hand end bracket, and remove all slack between opener and bracket.



Mark a location on the right jamb, 6 feet above the floor to mount the handle bracket. Align top of the bracket with the mark. Fasten bracket to the jamb with (2) 1/4 x 1-1/2" lag screws. Start the #6-20 x 1/2" screw into the handle. Thread the disconnect cable through the top of the handle bracket and then the handle. Locate the handle in full upper position of handle bracket. Then remove all cable slack between the opener and the top of the handle bracket. Tighten #6-20 x 1/2" screw into the handle until snug, and then tighten screw an additional 1 to 1-1/2 turns to secure cable to handle. Trim off excess cable from bottom of the handle.

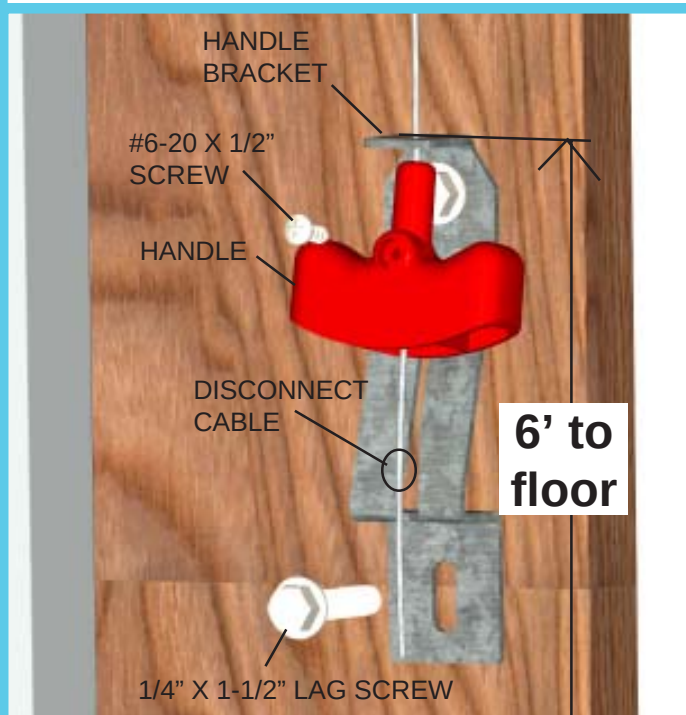
NOTE: It is recommended that 1/4" lag screw location be pilot drilled using 1/8" drill bit.

CAUTION: Pull cable only enough to remove the cable slack. Pulling the cable more could cause opener to disconnect from the torque tube.

Apply emergency disconnect label next to the mounted bracket. Use mechanical fasteners if adhesive will not adhere.

Using the emergency disconnect, pull disconnect handle downwards and place it in the manual door operated position. Use disconnect label for reference. Motor will be rotated 90° from its packaged position.

NOTE: If motor does not pivot 90°, see troubleshooting section in this manual.

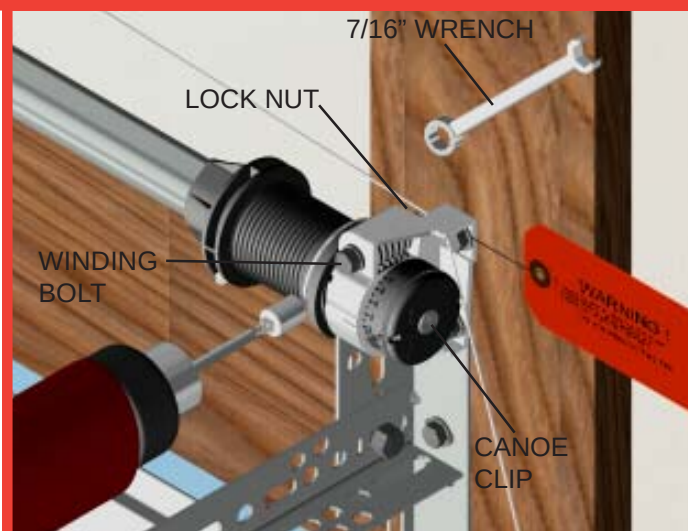


Step 13-14: Wind Springs

Clamp locking pliers onto both vertical tracks just above the third roller. This is to prevent the garage door from rising while winding counterbalance springs.

⚠ WARNING FAILURE TO CLAMP TRACK CAN ALLOW DOOR TO RAISE AND CAUSE SEVERE INJURY OR DEATH.

IMPORTANT! DO NOT USE IMPACT GUN TO WIND SPRING(S)



Beginning with the right hand side. Press and hold in the canoe clip. Ensure the cable is in the first groove of the drum. Using an electric drill (high torque gear reduced to 1300 RPM preferred) with a 7/16" socket, carefully rotate right hand winding bolt clockwise, until counter shows 2-3 turns. This will keep the counterbalance cable taut while adjusting the left hand side counterbalance cable. Repeat step for left side. **NOTE:** Single spring applications require no spring winding on left hand side.

Ensure counterbalance cable tension is equal for both sides prior to fully winding spring(s) to appropriate number of turns.

Carefully rotate the winding bolt head clockwise until the counter shows the correct number of turns for your door. See the **Spring Turn** chart. Repeat for the opposite side on double spring TorqueMaster™ systems. If door raises off of floor remove 1/2 - 1 full turn from each spring before proceeding.

After spring is wound, hold the lock nut (in back of end bracket) stationary with a 7/16" wrench while rotating the winding bolt clockwise until snug. Tightening of the lock nut prevents spring from unwinding. Repeat for opposite side on double spring system.

IMPORTANT! Adjustments to the recommended number of turns may be required. AFTER REAR SUPPORT ASSEMBLY IS COMPLETE, check door balance. If door raises off of floor under spring tension alone, then reduce turns until door will rest on floor. A "hot" door such as this can cause *idrive*™ operation problems. After checking/adjusting door balance, remove locking pliers from vertical track.

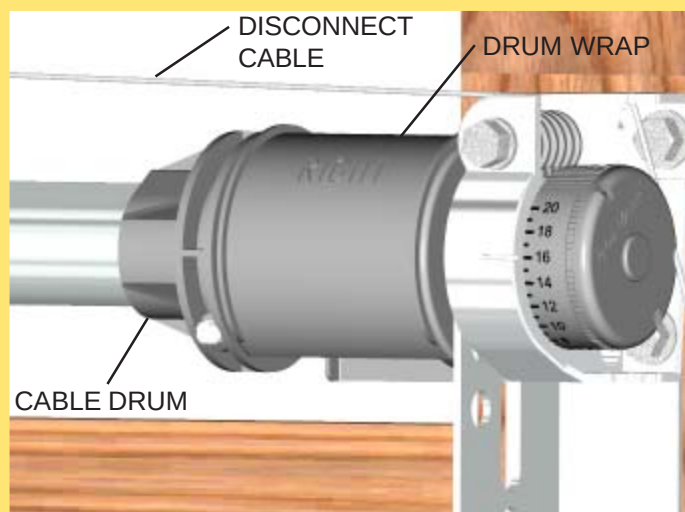
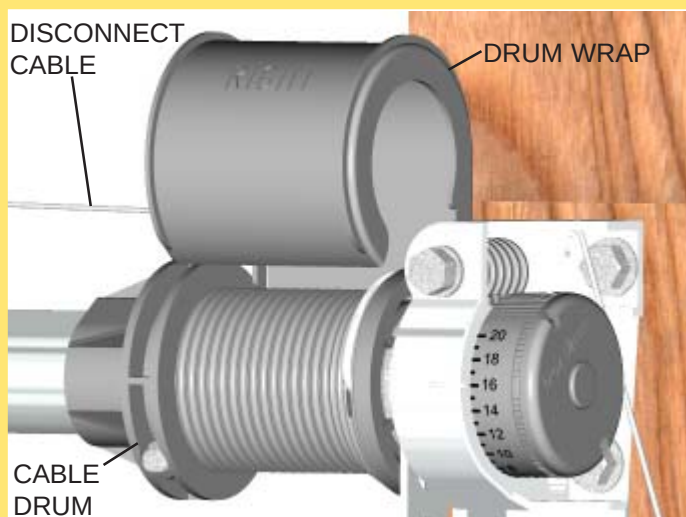
Spring Turns

Door Height = Spring Turns

6'-0"	= 14 turns
6'-3"	= 14-1/2 turns
6'-5"	= 15 turns
6'-6"	= 15 turns
6'-8"	= 15-1/2 turns
6'-9"	= 15-1/2 turns
7'-0"	= 16 turns
7'-3"	= 16-1/2 turns
7'-6"	= 17 turns
7'-9"	= 17-1/2 turns
8'-0"	= 18 turns

Step 15: Drum Wrap Installation

Drum wraps (supplied with TorqueMaster™ counterbalance systems) are identified as right and left. To install, place the drum wrap over the cable drum and under the idrive™ disconnect cable. Align the outside flange over the outside edge of the cable drum and push the drum wrap down onto the cable drum.



Pre-Operation Installation

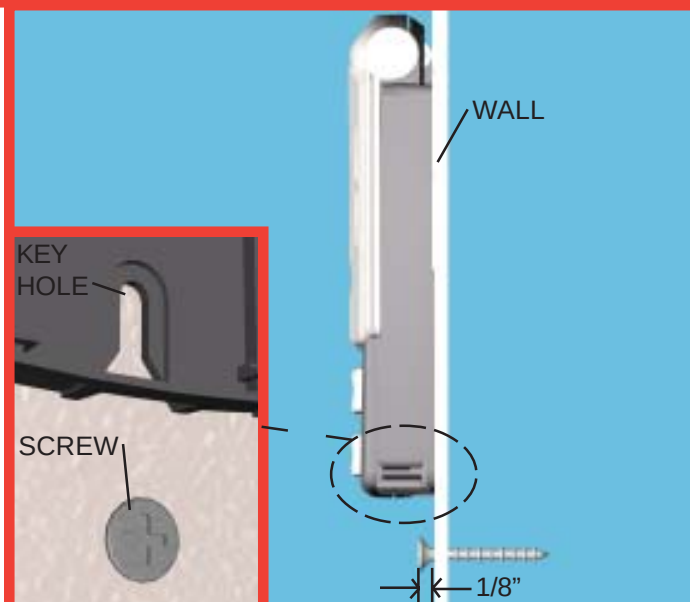
Step 16: Wall Station Installation

⚠ WARNING To prevent possible injury, install all wall controls out of the reach of children and in a location where the door can be seen before activating. Do not mount push buttons near or next to garage door.

Select appropriate place to mount wall station. To keep wall station out of the reach of children, locate it at least five feet up from the floor. If possible, install on wood framing. If fastening into drywall or concrete, use anchors provided.

Using a 3/32" drill bit and the drilling template located on page 36, drill the two mounting holes. Install lower screw leaving 1/8" of the threads exposed. Slide wall station keyhole slot onto the lower screw. Wall station should slide onto screw, providing a snug fit. If necessary, remove wall station and loosen or tighten lower screw. Once wall station is fitted snugly on lower screw, install upper screw. Do not over tighten.

CAUTION: Over tightening the upper screw could deform plastic case.



Battery Installation: Remove the battery cover completely (right-hand side of wall station) by disengaging the battery cover's lower clip. Install two AAA batteries into the wall station observing the polarity, (+) and (-), of both batteries. After about five seconds, the Up/Down red LEDs will begin to blink momentarily every 1/2 second. Re-install the battery cover by first inserting its top into the wall station then inserting and securing its bottom. Apply wall station reference label and entrapment label in convenient location next to the wall station.



Step 17: Light Fixture Installation

Locate a duplex receptacle within line of sight of opener, when the door is in the open position. Disconnect power to the receptacle at the fuse/breaker box before proceeding.

⚠️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.

⚠️WARNING TO AVOID ELECTRICAL SHOCK, DISCONNECT POWER TO THE RECEPTACLE AT THE FUSE/BREAKER BOX BEFORE PROCEEDING.

⚠️WARNING DO NOT INSTALL THE LIGHT FIXTURE INTO A RECEPTACLE WITH A METAL FACEPLATE.

NOTE: Door must clear light fixture when the door is in the open position.

CEILING/WALL MOUNTING

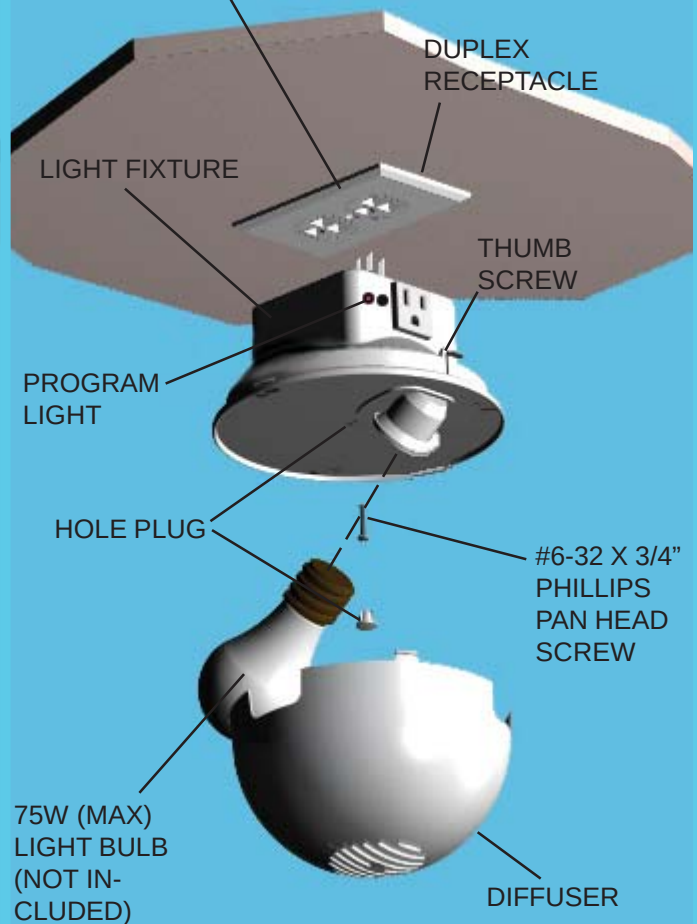
Remove the center screw in the receptacle cover. Holding receptacle cover in place, insert light fixture into the receptacle that has the ground hole farthest from center screw hole. Remove center hole plug from light fixture to expose the screw hole. Secure light fixture to receptacle with a #6-32 x 3/4" phillips pan head screw. Replace hole plug into the screw hole in the light fixture. **NOTE: For temperature protection, the hole plug must be in place prior to using the light fixture.**

PROGRAM LIGHT

Screw a maximum 75W light bulb into light socket and snap diffuser into light fixture. **Turn receptacle power back on at fuse/breaker box.** The light should blink one time when the power is re-established.

NOTE: An accessory power outlet receptacle (600 Watt Maximum) is provided on the light fixture.

NOTE: RECEPTACLE COVER MUST BE INSTALLED IN-BETWEEN THE LIGHT FIXTURE AND THE CEILING



Step 18: Photoelectric Safety Sensor Installation

NOTE: If safety sensors are included with this opener proceed with this step. If they are not included, skip this step and proceed with step 20. Safety sensors are required if opener is installed on a non-pinch resistant door.

Select a mounting position 5 inches above the floor to center line of wall mounting bracket. The sending and receiving units should be mounted inside the door opening to minimize any interference by the sun. However, the sensors should be mounted as close to the door track or inside edge of the door as possible to offer maximum entrapment protection. It is very important that both wall brackets be mounted at the same height for proper alignment.

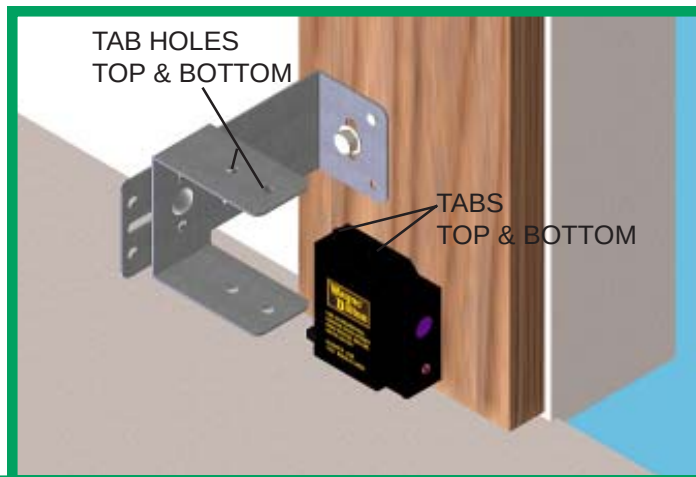
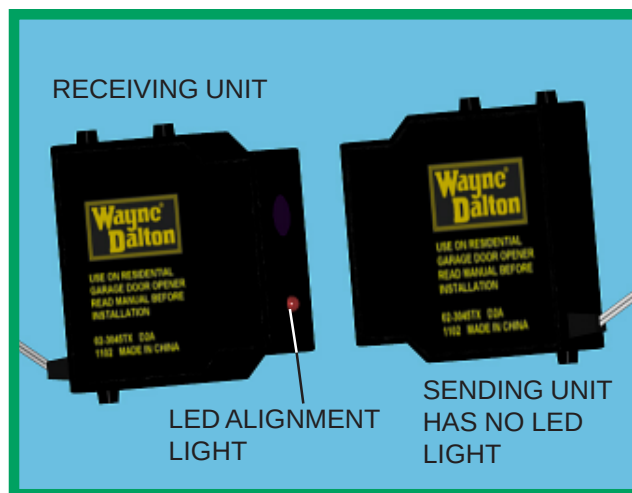
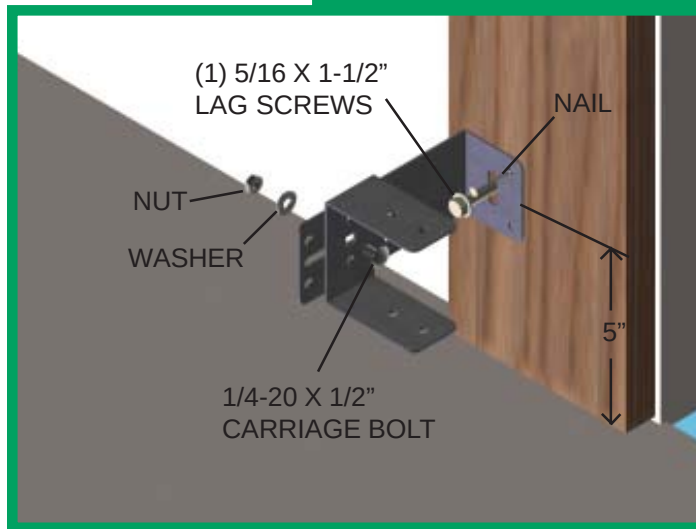
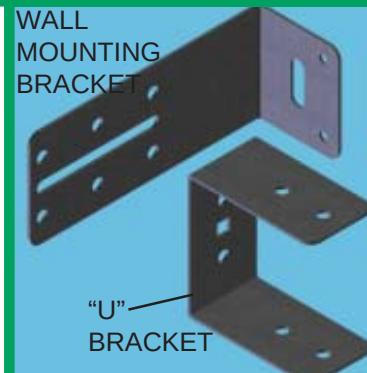
The brackets may be temporarily mounted to the jamb with a 1" flat head nail (provided) using the small hole above the slot. Using two 5/16 x 1-1/2" lag screw (provided), permanently mount the wall mounting brackets to both door jambs. In some installations it may be necessary to attach a wooden spacer to the wall to achieve the required clearance.

Attach the "U" brackets to the wall brackets with a 1/4-20 carriage bolt, washer and nut (provided). Insert the bolt from the inside of the "U" bracket and hand tighten only at this time.

Identify which side of the garage door opening (if any) is "likely" to be exposed to sunlight. Since sunlight may affect photoelectric sensors, you should mount the sending unit (not the receiving unit) on the side of the door opening most exposed to the sun.

NOTE: If wires must be lengthened or spliced into prewired installation, use wire nuts or suitable connectors.

Attach the sending and receiving units to the "U" brackets by inserting their tabs into the respective holes.



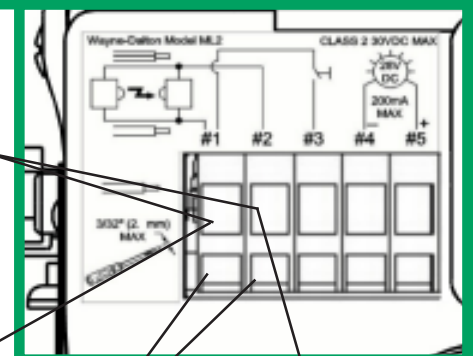
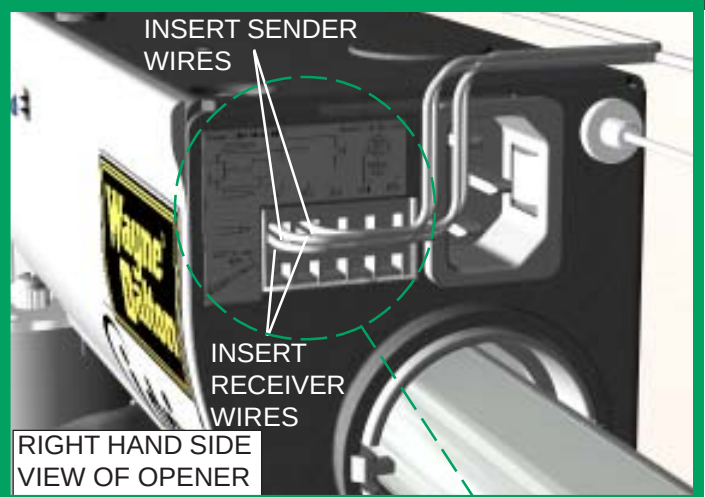
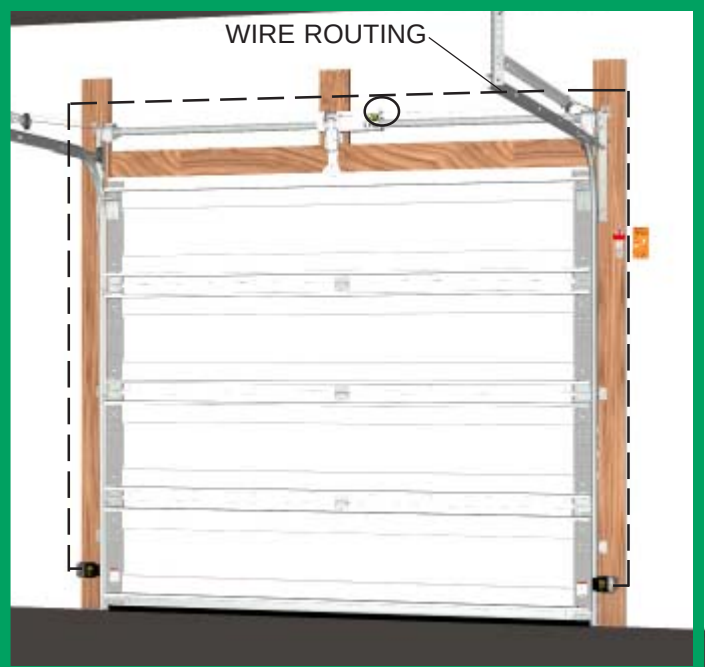
Photoelectric Safety Sensor Installation Continued

Uncoil wires from photoelectric sensors and route wires up garage wall and along door header towards the right side of the opener. Route wires above torque tube and tack wires in place with insulated staples (not supplied). Take care to run wires in a location where they will not interfere with the operation of the door and do not staple through wire.

Connect photoelectric sensors to the opener terminal block in right side of the opener. Separate wire ends and strip about 1/2" of insulation off each of the wire ends. Insert a 3/32" (2.5mm) max. width flathead screwdriver into the lower hole #1 of the terminal block. Twist screwdriver to open wire clamp in upper hole #1 of terminal block. Insert both sender and receiver solid white wires into upper hole #1 until the wires bottom out and release screwdriver tension. Insert both sender and receiver wires (white with black stripe) into upper hole #2 by the same process on lower hole #2 of terminal block. Once wires are connected install jumper on to the left most set of pins labeled "PE", located on the front of the opener.

IMPORTANT! Keep sender/receiver wires away from moving members.

One wire has a black stripe. Be sure to observe polarity. Apply tension to external wires to test for secure connection. Check that the wires are stapled in place and staples have not cut wire insulation.

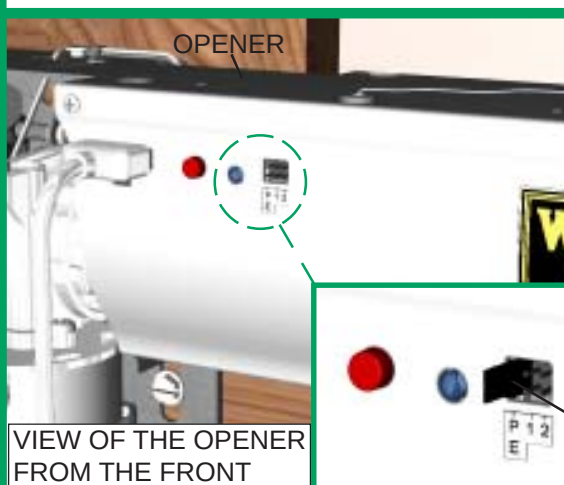


INSERT WIRES INTO UPPER HOLES

SOLID WHITE WIRES

INSERT SCREW-DRIVER INTO LOWER HOLES

WHITE WIRES WITH BLACK STRIPE



JUMPER INSTALLED ON PINS "PE"

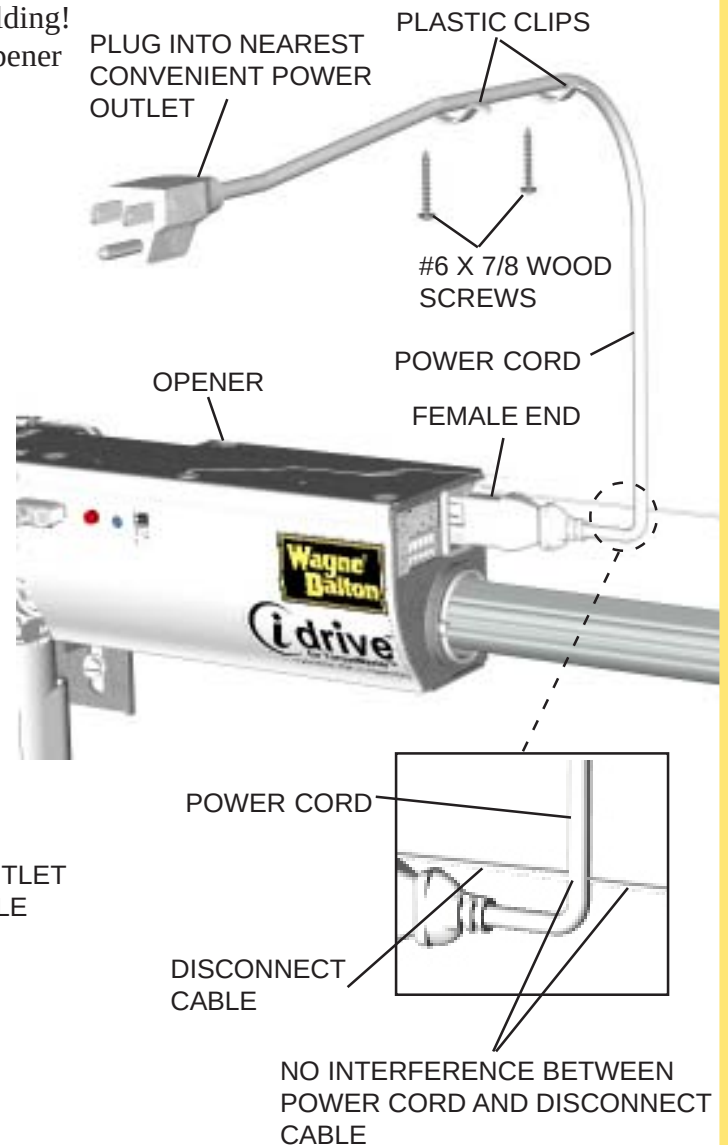
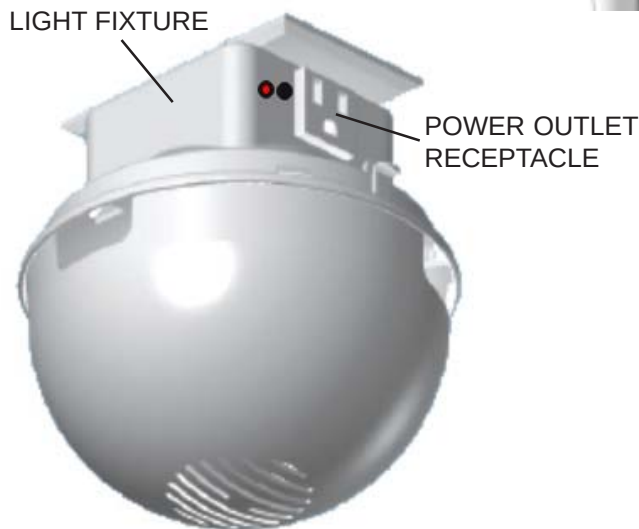
Step 19: Power Connection (Standard Wiring)

Plug the female end of power cord into the inlet connector on the right side of opener. Plug the other end of the opener power cord into the nearest convenient power receptacle. (If the power cord is not long enough to reach the closest receptacle, the *idrive*™ Powercord Extender kit is available, otherwise contact a service person for further options.) As soon as power is applied to the opener, the light fixture will light up. If the light fixture does not light, adjust the receiver module alignment. Unplug, then plug back in the power cord. Repeat this process until the light comes on. Ensure there is no obstruction between the opener and the light fixture. Refer to **Step 17: Light Fixture Installation** for the alignment procedure.

Excess power cord length must be routed and contained safely away from any moving members.

NOTE: Do not permanently attach power cord to building!
Use only the flexible plastic clips supplied with the opener

⚠ 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.



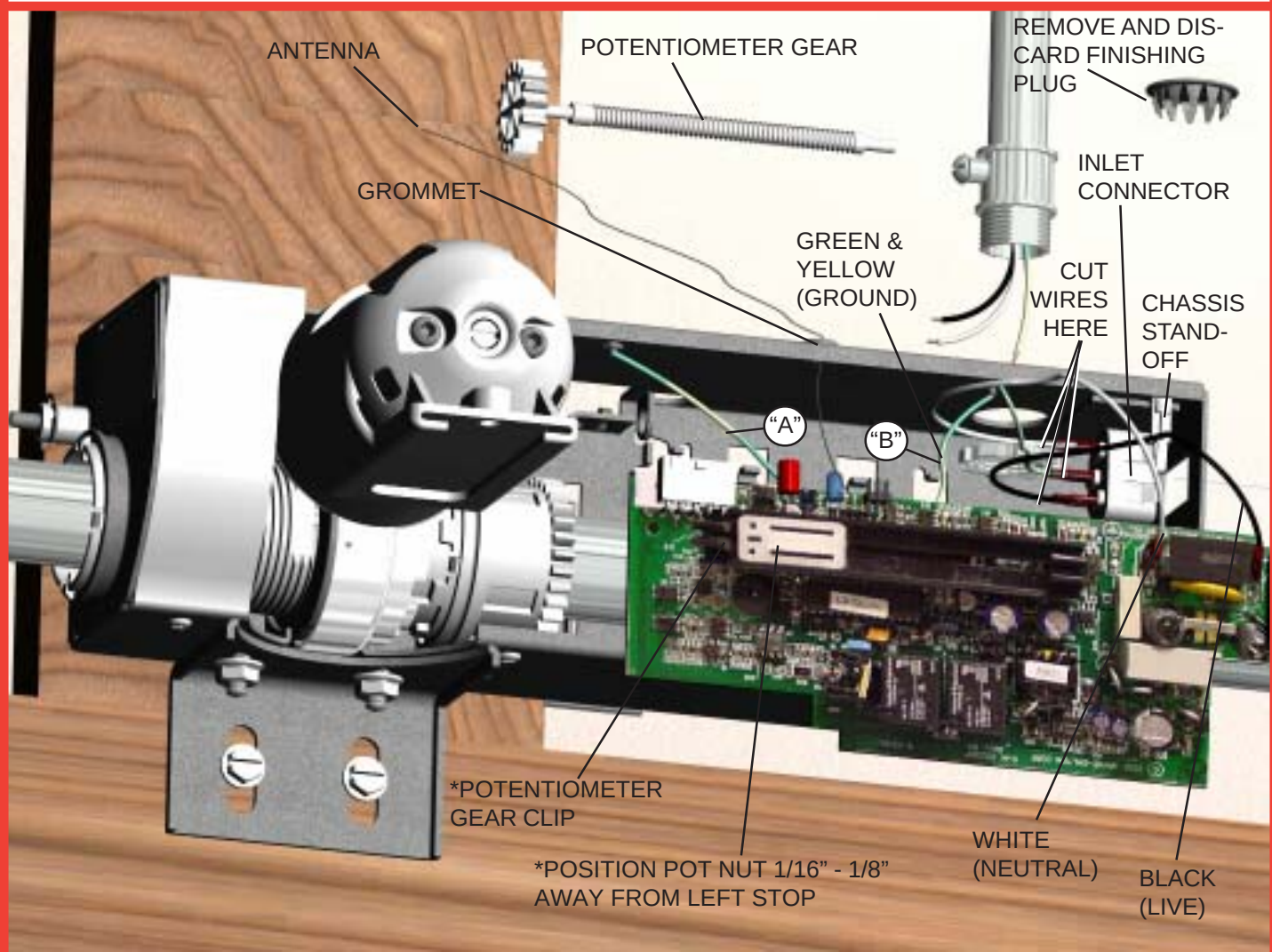
Step 20: Power Connection (Permanent Wiring Option)

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 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 the 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.

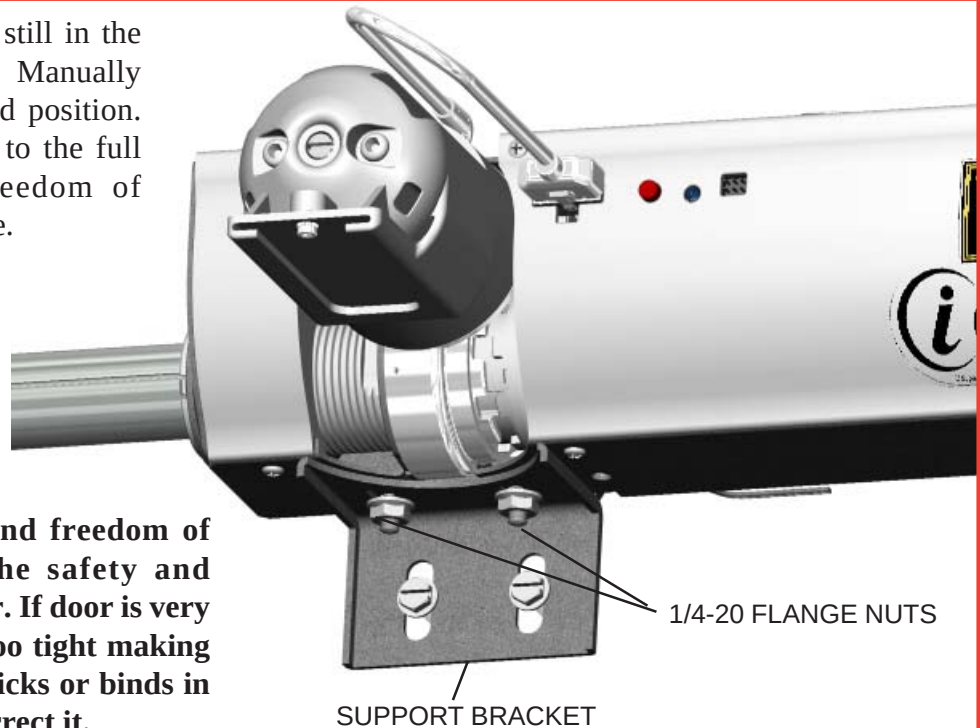


Step 21: Securing the Opener

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.

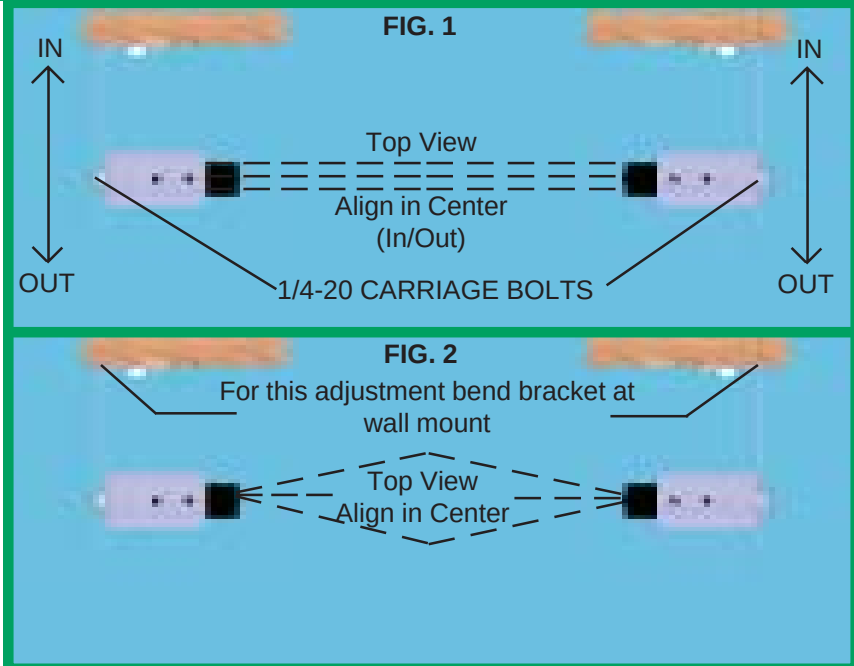
Tighten both 1/4-20 flange nuts, securing the opener to the support bracket.

NOTE: Good door balance and freedom of movement are critical to the safety and performance of the door opener. If door is very heavy to lift or if springs are too tight making door hard to close or if door sticks or binds in the track, now is the time to correct it.



Step 22: Photoelectric Safety Sensor Alignment

IMPORTANT! - This infrared safety sensor sends an invisible beam of light from the sending unit to the receiving unit across the pathway of the door. The door opener will not operate until the safety sensor is connected to the power unit and properly aligned. If the invisible beam of light is obstructed, an open door cannot be closed by the transmitter or a momentary activation of the wall mounted push button. However, the door may be closed by holding your finger on the wall push button (constant pressure) until the door travels to a fully closed position. The safety sensors must be aligned by moving the sending and receiving units in or out (see **Fig. 1**) until the alignment light on the receiving unit comes on. The 1/4-20" carriage bolt can be loosened to move the unit in or out, as required. If you have difficulty aligning beams, check that both brackets are mounted at the same height and remount if necessary. Additional minor adjustments can be made by lightly bending the mounting brackets (see **Fig. 2**).



⚠ WARNING FAILURE TO MAKE ADJUSTMENTS COULD RESULT IN SEVERE OR FATAL INJURY.

Once the alignment light comes on, tighten all bolts and mounting screws. Finish securing all wire making sure not to break or open any of the conductors. Loop and secure any extra wire.

Step 23: Wireless Wall Station Security Code Activation, Changing Security Code and Programming

NOTE: The following steps describe the process to activate the Wireless Wall Station security code, changing security code and programming Wireless Wall Station to the opener.

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

Activating the Wall Station:

NOTE: Activation of the wall station is only required at installation and before first use of the wall station. Afterwards, the security code can be changed.

1. Press and hold the wall station's **Light** button. The Up/Down button red LEDs will blink rapidly.
2. After 2 seconds, the LEDs will turn on continuously indicating a successful activation. Release **Light** button. The wall station is now ready to be programmed to the opener.

Changing the Wall Station's Security Code:

If desired, the wall station's security code can be changed to a new, randomly selected security code.

1. Press and hold the wall station's **Light** button for approximately 10 seconds until the wall station's Up/Down red LEDs begin to blink rapidly.
2. Once the LEDs start blinking, release the wall station's **Light** button; the LEDs will turn off.
3. Press and hold the wall station's **Light** button again. The LEDs will light for approximately 5 seconds.
4. After approximately 5 seconds the LEDs will begin to blink on and off. Release the **Light** button.
5. The wall station's LEDs will blink on and off three times indicating a successful security code change. The wall station must now be reprogrammed to the opener.

Wall Station Programming

To program wall station:

1. Verify the emergency disconnect handle is in the manual door operated position (lower position). This is for safety reasons.
2. On the front cover of the opener, press and release the red 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 hold the wall station light button until the opener beeps one time. The wall station is now programmed.
4. Return the emergency disconnect handle to the motor operated position (upper position).

No beeping response of the opener during the wall station programming indicates a programming failure. Repeat programming **Steps 1-4**.

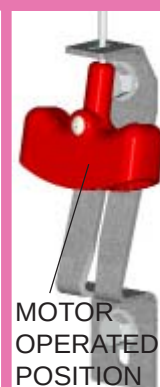
NOTE: Programming failure can occur during the wall station programming if the remote control is too close to the opener during the programming sequence. Perform the programming with a minimum of six feet between the remote control and the opener.



NOTE: The first wall station command, after programming, will only move the door through a six-inch up/down cycle. Normal door operation will occur on the second usage of the wall station. The six inch door move cycle will not happen if the install routine has not been run.

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, the first of the programmed controls will be overridden and will no longer activate the opener.

CAUTION: For safety reasons, manually disconnect the opener from the door 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. and the opener.



Step 24: Install Routine

The install routine automatically sets the door open and close limits and calibrates obstruction sensing. 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.

⚠ WARNING TO AVOID INJURY, NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR!

NOTE: If no obstructions interfere with the door when manually opened and closed, proceed to **Step 24 a.** However, if an object such as a ceiling beam obstructed the door from opening completely, set a custom upper limit during the install routine, **Step 24 b.**

NOTE: The door must be in its fully closed position and the disconnect handle must be in the motor operated position (upper position) to initiate the install routine.

Step 24 a: 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, push and release internal button. The opener will beep twice, indicating the activation of the install routine (release profile button or remove programming tool from wall station). 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 24 b: Install routine with custom upper limit

Press and hold the profile button for five (5) seconds or push and release internal button. 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 will 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 the new upper position.



Step 25: Detent Adjustment (if required)

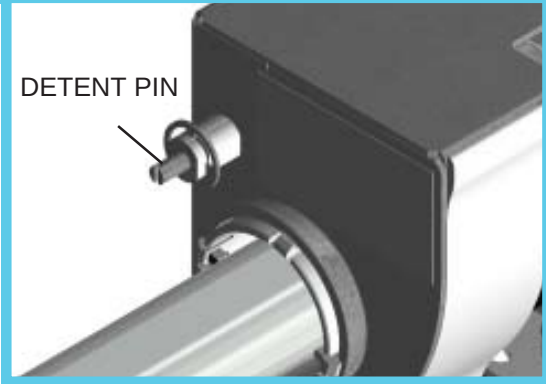
IMPORTANT! - FOR SYSTEM SECURITY: The motor is designed to pivot down after the door closes completely. If the motor does not pivot or pivots too soon, the detent may need to be adjusted in order for the door lock feature to work properly.

IMPORTANT! Before making any detent pin adjustments, check and adjust door balance. Door should not raise off of floor with spring tension alone, nor should it free fall from any open position.

The normal amount of pressure the opener uses to pivot the motor downward is preset at the factory via the detent pin adjustment screw. Due to variations in door installations, a detent pin adjustment may be needed in order to properly pivot the motor.

A.) If the motor does not pivot down, or pivots down only partially, the detent pin is set too hard. Using a flat head screwdriver, turn the detent pin COUNTER CLOCKWISE in 1/4 turn increments. Operate the door to confirm each adjustment. If the motor does not pivot on door closing adjust detent pin again. Repeat procedure until motor pivots to full down position when the door is completely closed.

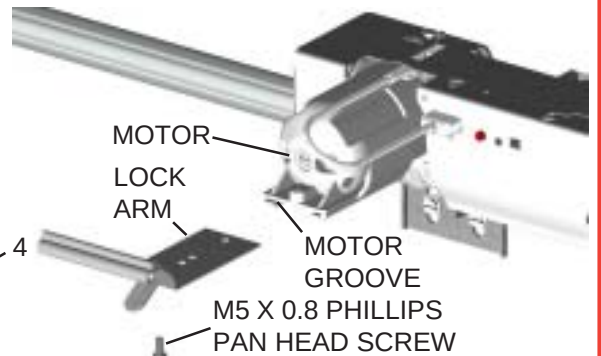
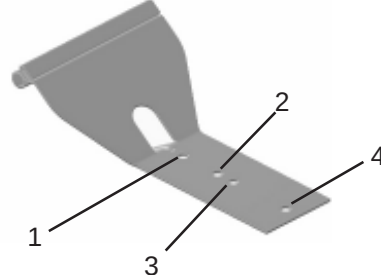
B.) If the motor pivots down prematurely (before the door is completely closed) or if the motor is “slapping” too aggressively against the top of the door, the detent pin is set too soft. Using a flat head screwdriver, turn the detent pin CLOCKWISE in 1/4 turn increments. Operate the door to confirm each adjustment. If the motor pivots to soon, adjust detent pin again. Repeat procedure until motor pivots to full down position when the door is completely closed.



Step 26: Lock Arm Installation

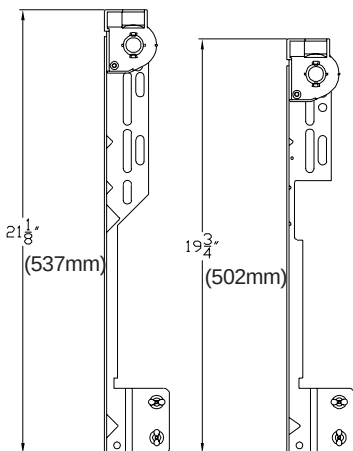
Place the emergency disconnect in the manual operated position, motor will pivot to the up position. Insert the lock arm into the motor groove and align the proper hole depending on your track radius. To recognize the Wayne-Dalton track radius being used, measure the length of the flagangle and TorqueMaster™

REFER TO TABLE BELOW



end bracket and compare to the diagram. Some tracks are stamped with radius 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 40 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. Refer to **Step 27** for final adjustments.

WD 15" RADIUS WD 12" RADIUS



Lock Arm Position	WD-WAYNEDALTON PO-WAYNEDALTON PORTLAND TRACK TYPE*	Track Radius	Door Model
1	WD PO PO	12"(305mm) 12" 10"	8000, 9000 9000 Series 8000, 9000
2	PO	12"	8000 Series
3	WD PO	15"(308mm) 14"	8000, 9000 9000 Series
4	PO	14"	8000 Series

Step 27: 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 8" and 30" 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 position the door to the desired pet opening height (between 8" and 30" above ground) 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: The opener will NOT accept programmed pet lock position if door is below 8" or higher than 30".

NOTE: Activation of the normal install routine will reset the pet position to the default eight inch target height. For use of the pet button see Operation section.



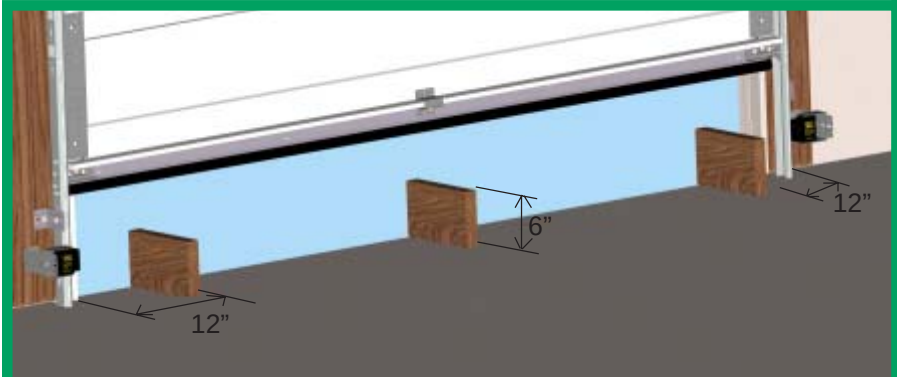
Step 28: Photoelectric Obstruction Sensor Test

NOTE: Perform this step only if photoelectric safety sensors were installed during step 18. Otherwise proceed to step 30.

Starting with the door in the fully open position, place a 6" high object on the floor progressively one foot from the left side of the door, center of door and one foot from the right side of the door. In each position, activation of the opener with the wallstation up/down button should cause the door to move no more than one foot, stop and then reverse to fully open position. The same 6" high object when placed on the floor, while door is closing, should also cause the door to reverse.

⚠ WARNING WHEN PERFORMING THIS PART OF THE TEST, DO NOT PLACE YOURSELF UNDER DESCENDING DOOR, OR SEVERE OR FATAL INJURY MAY RESULT.

⚠ WARNING IF THE OPENER DOES NOT RESPOND PROPERLY, OR FAILS THESE TEST, HAVE A QUALIFIED SERVICE PERSON MAKE NECESSARY ADJUSTMENTS/REPAIRS. FAILURE TO MAKE ADJUSTMENTS COULD RESULT IN SEVERE OR FATAL INJURY.



Step 29: Contact Obstruction Test

After installing the opener, the door must reverse when it: contacts a 1-1/2" (38mm) 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 the wallstation; 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, remove 2 x 4 and 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 THE TWO TESTS (28 AND 29), DOOR MAY CAUSE A SEVERE OR FATAL INJURY. HAVE A QUALIFIED SERVICE PERSON MAKE NECESSARY REPAIRS.

Step 30: Transmitter Security Code Change and Programming

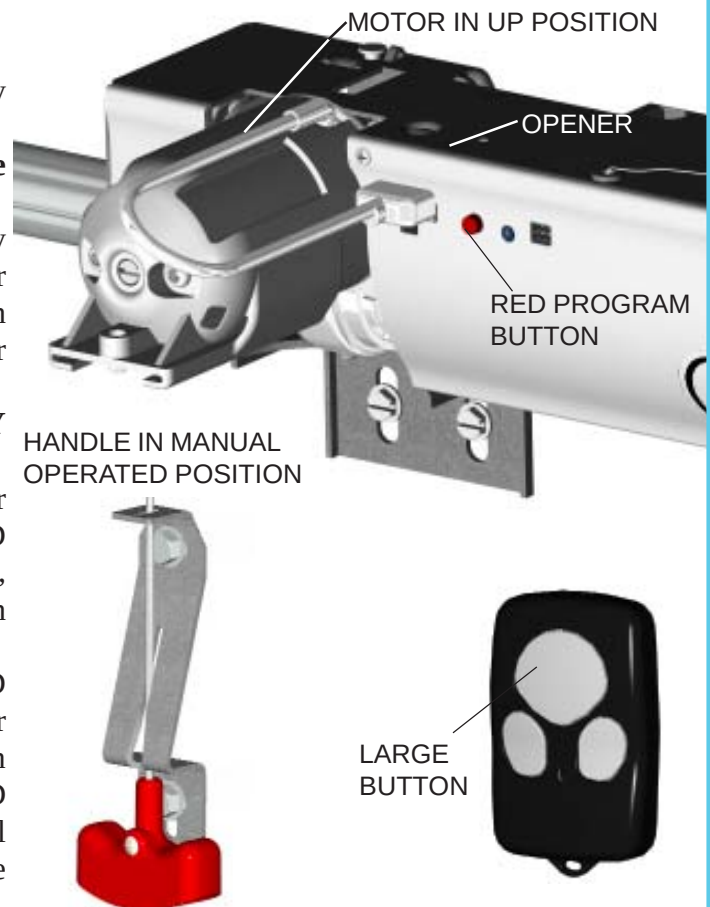
NOTE: The user must change the transmitter's security code before using the transmitter.

This code sequence is only necessary the first time the 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 red 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 hold the desired transmitter button until; the opener beeps once. The transmitter is now programmed.
4. Return the emergency disconnect handle to motor operated position.

NOTE: No beeping response of the opener during the transmitter programming indicates a programming failure. Repeat programming 1-4.

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 six-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, the first of the programmed controls will be overridden and will no longer activate the opener.

CAUTION: For safety reasons, manually disconnect the door from opener 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 31: Programming HomeLink™ to idrive™

NOTE: This step can only be done on automobiles equipped with the HomeLink™ System.

CAUTION:

During programming, the garage door may operate. Pull the emergency disconnect handle to put the operator in the manually operated position. Make sure people and objects are out of the way of the moving door to prevent potential harm or damage.

NOTICE: Programming HomeLink™ requires Wayne-Dalton transmitter that is programmed to the idrive™ per **Step 30**.

ATTENTION:

Use the programming instructions provided with your vehicle first. Follow these instructions if the HomeLink™ unit does not learn the transmitter.

PROGRAMMING

Training HomeLink™ Unit

1. Pull the emergency disconnect handle to the manually operated position.
2. Press and hold the two outside buttons on the HomeLink™ unit for approximately 20 seconds until the HomeLink™ light begins to flash (approx. 1 flash per second), then release both buttons. (Do not perform this step to train additional hand-held transmitters.) Note that this operation erases all previously learned transmitters and that you need to re-teach any other transmitters to your HomeLink™ unit by repeating steps 3 - 6 below.
3. Hold the end of the Wayne-Dalton® hand-held transmitter approximately 1 to 3 inches away from the HomeLink™ surface – keeping the HomeLink™ indicator light in view.
4. Press and hold the Wayne-Dalton hand-held transmitter's large center button. The transmitter's red LED indicator will turn on. After 10 seconds the red indicator will blink rapidly for 5 seconds and then turn off, continue to hold the transmitter's button, the LED will remain off for approximately 5 seconds and then come on steady. Do not release the button.
5. While still holding the Wayne-Dalton transmitter button (red indicator on steady), immediately press the desired HomeLink™ button. Keep pressing the buttons until step 6 has been completed.
6. The HomeLink™ indicator light will be blinking during the training operation. When the HomeLink™ indicator light flashes rapidly or turns off (approx. 5 to 60 seconds), both buttons may be released. The HomeLink™ light flashing rapidly or turning off indicates successful programming of the new frequency signal.

Teaching Power Unit

7. Now press the PROGRAM SWITCH button located on the idrive™ opener. The idrive™ unit will beep, indicating that it is ready to learn.
8. Now press the HomeLink™ button used in Step 5 above for 1 to 3 seconds. idrive™ will beep once indicating a successful learn.
9. Return the emergency disconnect handle to the motor operated position.
10. Press the HomeLink™ button once more to operate the door. The first door operation after programming will only move the door through a six inch up/down cycle. Normal door operation will follow.

Operation:

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. NEVER GO UNDER A STOPPED, PARTIALLY OPEN DOOR.
5. 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 or profiling (install routine) retest the door. Failure to adjust the opener properly may cause severe or fatal injury.
6. 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.
7. **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.
8. **SAVE THESE INSTRUCTIONS**

Door activation: Upon activation by either the wall station up/down button 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 (3) or (4) 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. The next activation will close the door.
6. When door is in motion any button on the wall station functions the same as the up/down button.

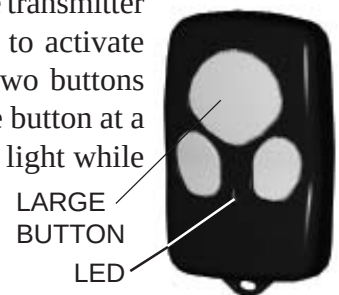
⚠️WARNING NEVER LET CHILDREN OPERATE OR PLAY WITH THE DOOR CONTROLS. KEEP REMOTE CONTROLS AWAY FROM CHILDREN. FATAL INJURY COULD RESULT SHOULD A CHILD BECOME TRAPPED BETWEEN THE DOOR AND THE FLOOR.

⚠️WARNING ALWAYS KEEP A MOVING DOOR IN SIGHT AND KEEP PEOPLE AND OBJECTS AWAY UNTIL IT IS COMPLETELY CLOSED. TO PREVENT A SEVERE OR FATAL INJURY, AVOID STANDING IN A OPEN DOOR WAY OR WALKING THROUGH THE DOORWAY WHILE THE DOOR IS MOVING.

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 different doors, for multi-door installations. Each button or a combination of two buttons pressed simultaneously can be programmed to activate a different door. Only one button at a time can be programmed to activate a specific opener. The transmitter LED will light while any transmitter button remains pressed.

NOTE: Refer to **Step 30** for transmitter programming instructions.



HOW TO OPERATE THE WIRELESS WALL STATION (IF INCLUDED)

⚠ WARNING TO PREVENT POSSIBLE INJURY, NEVER LET CHILDREN OPERATE OR PLAY WITH DOOR CONTROLS. KEEP REMOTE CONTROL AWAY FROM CHILDREN.

1. Momentarily pressing the **Up/Down** button starts or stops door movement or changes door's direction. Press and hold **Up/Down** button during the door's complete downward travel to override photo eye safety sensors.

2. Momentarily pressing the **Light** button turns on the opener's light or the light fixture. The light will remain on until either the **Light** button is pressed again or the door is activated. The light automatically turns on with a door activation and remains on for five minutes thereafter. Pressing the **Light** button before the five minutes has elapsed will turn off the light fixture. While the door is in motion, the **Light** button functions identical to the Up/Down button, stopping or reversing the door immediately.

3. Momentarily pressing the **Timer** button causes a delayed activation of a stationary fully open door. The light fixture or the opener's lamp will blink on and off for about 10 seconds prior to closing the door, allowing enough time to exit the garage when the opener is in the timer mode. Pressing any button, except for the Profile button while the opener is beeping or the lamp is blinking 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 lamp to blink four times, but the door will not be activated.

While the door is in motion, the **Timer** button functions identical to the Up/Down button, stopping or reversing the door immediately.

4. Pressing the **Pet** button opens a closed door to a preset 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. Refer to the opener's manual for complete **Pet** button instructions and programming.

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

5. The slide switch has two positions: **Normal**, and **Door lock** (Disable RF).

5a. Move the slide switch to **Normal** position for all normal functions of the opener. The **Normal** position will cancel the Auto-Close feature and the Door Lock feature.

NOTE: Keep the slide switch in the **Normal** position unless you have fully read and understood the **Door Lock** setting operations and you desire to use one of those settings.

If the door is moving when the slide switch is moved to the **Door Lock** position, the vacation mode is not activated and all functions of the opener remain active.



6. The Up/Down button backlit red LEDs blink intermittently often to help you locate the wall station in a dark garage. This blink rate can be changed for longer battery life or can be turned off. The default blink rate is one blink every 1/2 second.

NOTE: The wall station's Up/Down arrow LEDs will light while any wall station button remains pressed.

6a. For longer battery life the blink rate can be changed to blink once every second. To change the blink rate, remove the battery cover and remove one battery. Re-install the battery and within 2 seconds, press the **Light** button. Re-install the battery cover.

6b. For longest battery life, the blink can be turned off. To turn off the blink, remove the battery cover and remove one battery. Re-install the battery and within 2 seconds, press the **Pet** button. Re-install the battery cover.

Manual Door Operation Emergency Disconnect:

⚠ WARNING KEEP THE GARAGE DOOR PROPERLY BALANCED. AN IMPROPERLY BALANCED DOOR COULD CAUSE A SEVERE INJURY. HAVE A QUALIFIED SERVICE PERSON MAKE REPAIRS TO CABLES, SPRING ASSEMBLIES, AND OTHER HARDWARE.

⚠ WARNING 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 section of the handle bracket. This motion causes the motor on the opener to pivot upwards and the opener to disconnect from the torque tube.

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

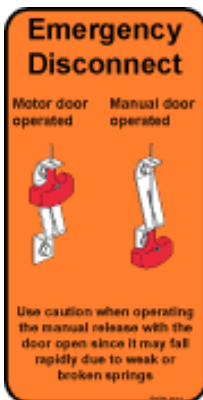
NOTE: The motor will not pivot down completely when the handle is released. After one motorized up/down door cycle, the motor will once again pivot down, and all cable slack will be taken up. The garage door is not locked, secure from forced entry, until the motor is back in the down position.

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 tests. See **Step 29** 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. If the LED does not light, this is an indication that the battery is weak or dead. Replace the battery.

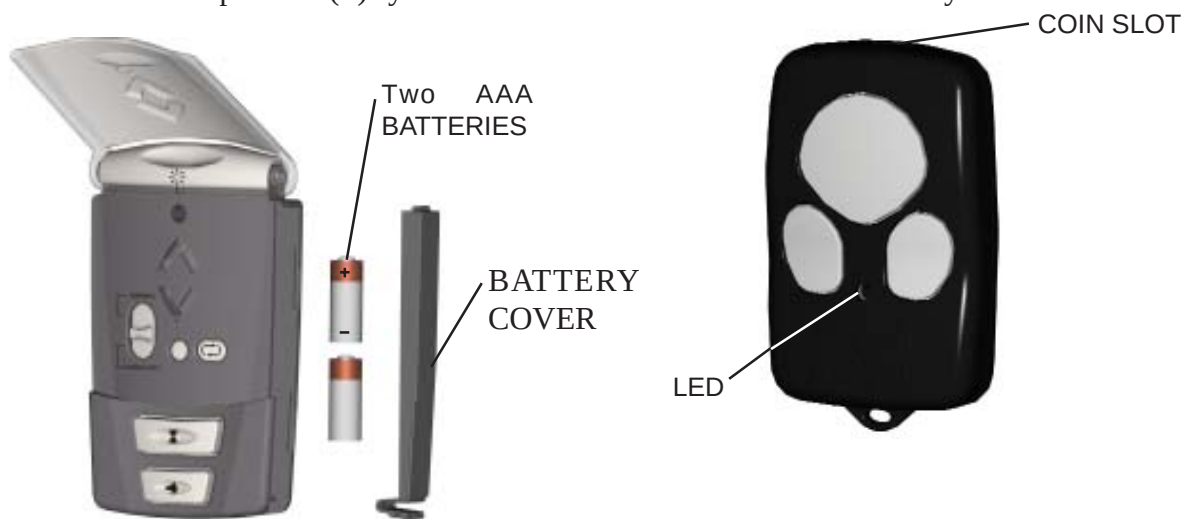
NOTE: Dispose of dead batteries properly.

Battery replacement for wall station:

Remove the battery cover completely (right-hand side of wall station) by disengaging the battery cover's lower clip. Install two AAA batteries into the wall station observing the polarity, (+) and (-), of both batteries. After about five seconds, the Up/Down red LEDs will begin to blink momentarily every 1/2 second. Re-install the battery cover by first inserting its top into the wall station then inserting and securing its bottom.

Battery replacement for transmitter:

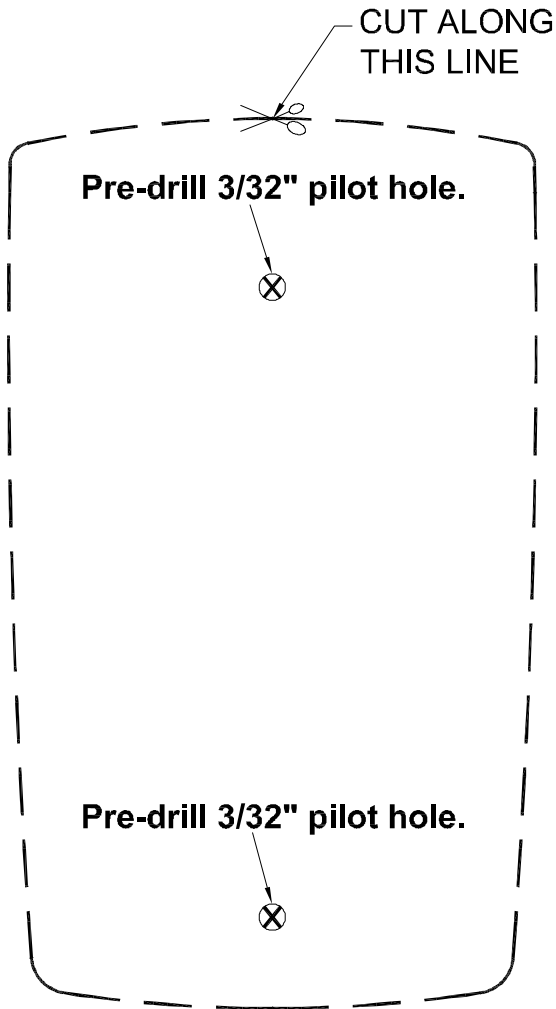
Insert a coin in the coin slot of the transmitter and twist coin to access the dead battery. Replace the battery, being careful to match the positive (+) symbols on the circuit boards with the battery.



NOTE: Use only two AAA batteries.

NOTE: Some transmitters use two CR2016 or equivalent batteries while others use a single MN21 or equivalent battery.

Cut template to aid in Wall-station Installation:



DRILLING TEMPLATE FOR MULTI-FUNCTION WALL STATION

Troubleshooting

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Opener does not respond to the wall station or transmitter?	No power to the opener. Controls are not programed.	Check the opener power cord to outlet connection. See code change and programming section.
Opener works from the wall station but not the transmitter?	Transmitter is not programmed. Weak or dead wallstaion battery.	See code change and programming section. See maintenance section for battery replacement.
Opener works from the transmitter but not from the wall station?	Wall station is not programmed. Weak or dead wallstation battery.	See code change and programming section. 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 the 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. Possible damaged to motor wiring.	Reset the circuit breaker or contact a qualified service person for fuse information. Check power cord connection. Call a qualified service person.
Door stops or reverses, and the opener beeps three or four times?	Obstruction encountered. Out-of-balance condition detected.	Clear the door path. Contact a qualified service person.
Door does not close properly?	Counterbalance cables are not on the drums 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. Contact obstruction test failure.	Door will operate after a one-minute waiting period. Repeat the install routine or contact a qualified service person.
Door does not travel to a full open or full close position?	Door is out of balance. Door limits are set improperly.	Call a qualified service person. Repeat the install routine.
Door is not align to the floor ?	Bottom door limit is set to 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?	Counterbalance springs have to much tension.	Call a qualified service person. 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. Vertical track is spaced to close to the bottom door section, causing the door to bind.	Reinstall the door seal so as to be not so tight against the face of the door. Cantact a qualified service person.

Troubleshooting (continued...)

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
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. Obstruction between light & opener. Sending LED blocked by opener cover.	Adjust light fixture alignment of the receiver module with the sending LED on the opener. Remove obstruction. Reposition LED to protrude through cover hole.
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 handle per instructions in 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. Refer to step 25.
Motor pivots down prematurely (before the door closes completely)?	Detent pin is set too soft.	Using a screwdriver, rotate detent pin clockwise in 1/4 turn increments; until motor fully pivots down after door closes, and opener immediately shuts off. See step 25.

Lock Arm Troubleshooting

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
The door interferes with the lock when manually verifying clearance.	Lock arm is mounted to the opener incorrectly. The torque tube is not level. The door top brackets and/or track configuration are not set correctly. Motor not fully rotated up to detent pin engaged position.	Ensure the lock arm is mounted using the correct hole location stated in Step 26 of this manual. Remount the opener per steps 11 and 21 of this manual, ensuring the opener and torque tube are level prior to fastening. 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. Remount the disconnect handle and bracket per Step 12 of this manual, ensuring proper cable tension between the opener and the handle.



LIFETIME LIMITED WARRANTY

The Manufacturer warrants that the i drive™ 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 installed, maintained and cared for under specified 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, 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**



Wayne-Dalton Corp. P.O. Box 67 Mt. Hope, OH 44660 1-888-827-3667