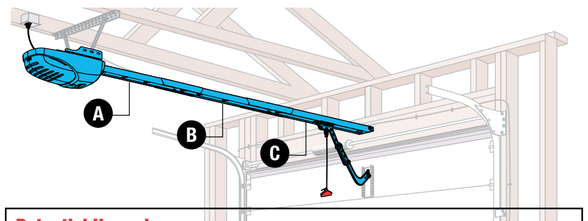
P/N 38211501676

05-11

ASSEMBLY/INSTALLATION POSTER

Chain/Belt Drive Models



Potential Hazards

Overhead doors are large, heavy objects that move with the help of springs under high tension and electric motors. Since moving objects, springs under tension, and electric motors can cause injuries, your safety and the safety of others depends on you reading the information in this installation poster. If you have questions or do not understand the information presented, call The Genie Company or your local Genie Factory Authorized Dealer. In this section, and those that follow, the words Danger, Warning and Caution are used to emphasize important safety information.

- **Danger:** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- **Warning:** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- **Caution:** indicates a potentially hazardous situation which, if not avoided, may result in injury or property damage.

Note is used to indicate important steps to be followed or important considerations.

Pre-Installation Considerations

This opener includes parts and supplies needed for installation in MOST garages and on MOST garage doors. There are many variations of garages and garage doors. A few additional parts and supplies may be needed for installation in YOUR garage and to YOUR garage door. While going over these instructions, please note the additional items you may need. For help finding a local Genie® Professional Dealer, call 1-800-OK-GENIE or Customer Service at 1-800-35-GENIE.

There are a few specific areas of interest which might require extra materials. They are: 1) The header above the garage door where torsion springs are used–does it extend far enough above the spring(s) to allow mounting of the header bracket. If not, or if you can't tell–you will probably need a piece of 2" x 6" lumber to span across wall studs. 2) The area overhead where the powerhead will be mounted–if you have a finished ceiling, you will need a piece of angle iron which can span across beams of trusses. 3) Is there wood along the door tracks near the floor where the Safe-T-Beam® can be most easily mounted, or will you need fasteners for mounting to the track itself or some other material? 4) Measure the height of your door. If it is taller than 7', you will need a Rail Extension Kit.

Will you need extension brackets or wooden blocks to extend the Safe-T-Beam far enough off the wall to see past any door hardware?

Is there an electrical outlet within approximately 3' of the point where the powerhead will be? If not, you need to contact a licensed electrician.

Check condition of the door and all its associated hardware: Tracks, springs, hinges, rollers. Is anything loose or appear worn? If so, call a trained professional for an evaluation and repairs, if needed. **DO NOT** ATTEMPT TO ADJUST SPRINGS OR THEIR ATTACHED PARTS!

Operate the door manually. Does it move freely and smoothly? Check the balance of the door by lifting it by hand approximately halfway open and let go. It should stay put or move very slowly. If not, call a trained professional for repairs.

Remove all ropes and remove or disable all locks connected to the garage door. It is also recommended that T-handles be removed. Closed loop lifting handles with no protruding parts can remain.

⚠ WARNING

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH

READ AND FOLLOW ALL SAFETY, INSTALLATION AND OPERATION INSTRUCTIONS. If you have any questions or do not understand an instruction, call The Genie® Company or your local Genie® Factory Authorized Dealer.

- **DO NOT** install operator on an improperly balanced door. An improperly balanced door could cause severe injury. Repairs and adjustments to cables, spring assembly, and other hardware must be made by a trained service person using proper tools and instructions.
- Remove all ropes, and disable all locks connected to the door before installing operator.
- Install door operator 7 feet or more above the floor. Mount the emergency release knob 6 feet above the floor.
- **DO NOT** connect the operator to the source of power until instructed to do so.
- Locate the wall console button: A) Within sight of door. B) At a minimum height of 5 feet so small children cannot reach it. C) Away from all moving parts of the door.
- Install the entrapment WARNING label next to the wall button or console. Install the emergency release tag on, or next to, the emergency release handle.
- The operator must reverse when the door contacts a 1-1/2 inch high object on the floor at the center of the doorway. This is about the size of a 2" x 4" board laid flat.

⚠ WARNING

A moving door could result in serious injury or death.

- Keep people clear of opening while door is moving.
- **DO NOT** allow children to play with the door operator.
- **DO NOT** operate a door that jams or one that has a broken spring.

⚠ WARNING

An Electrical Shock could result in serious injury or death.

- Turn off power before removing operator cover.
- When replacing cover, make sure wires are not pinched or near moving parts.
- Operator must be properly grounded.

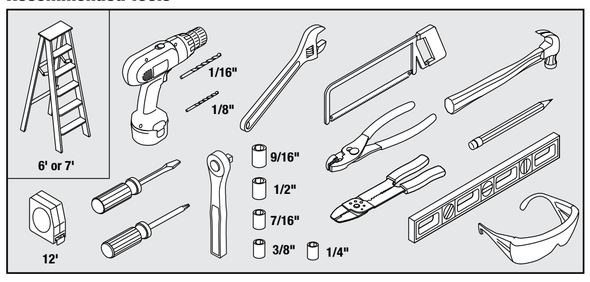
⚠ WARNING

WARNING–HIGH SPRING TENSION

- **DO NOT** try to remove, repair or adjust springs or anything to which door spring parts are fastened, such as wood block, steel brackets, cables or other like items.
- Repairs and adjustments must be made by a trained door system technician using proper tools and instructions.

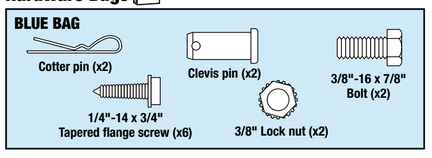
STOP Need help or have questions? **DO NOT RETURN** to the store. Call us: **800-354-3643**

Recommended Tools

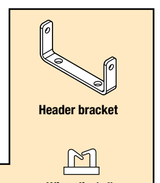


Hardware Bags

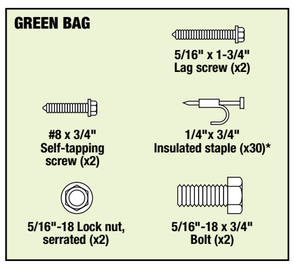
BLUE BAG



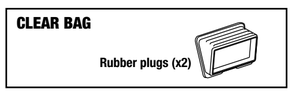
ORANGE BAG



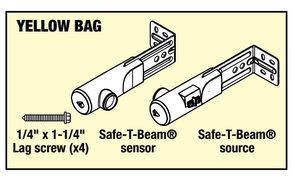
GREEN BAG



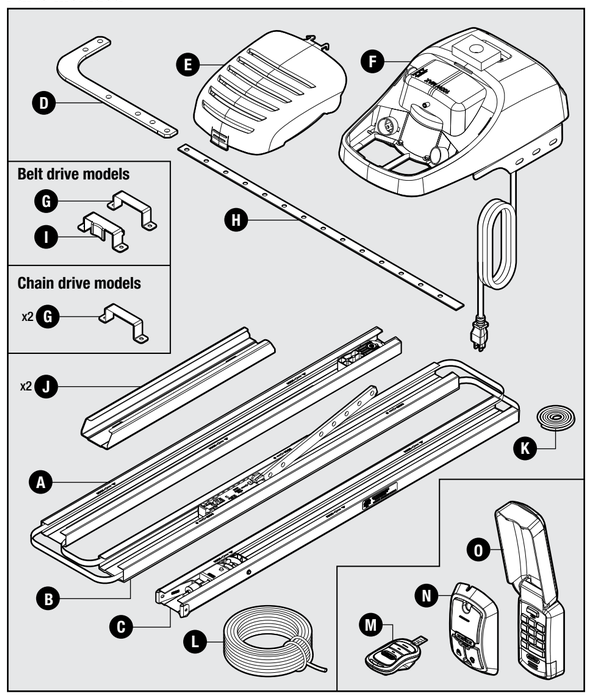
CLEAR BAG



YELLOW BAG



Parts Included



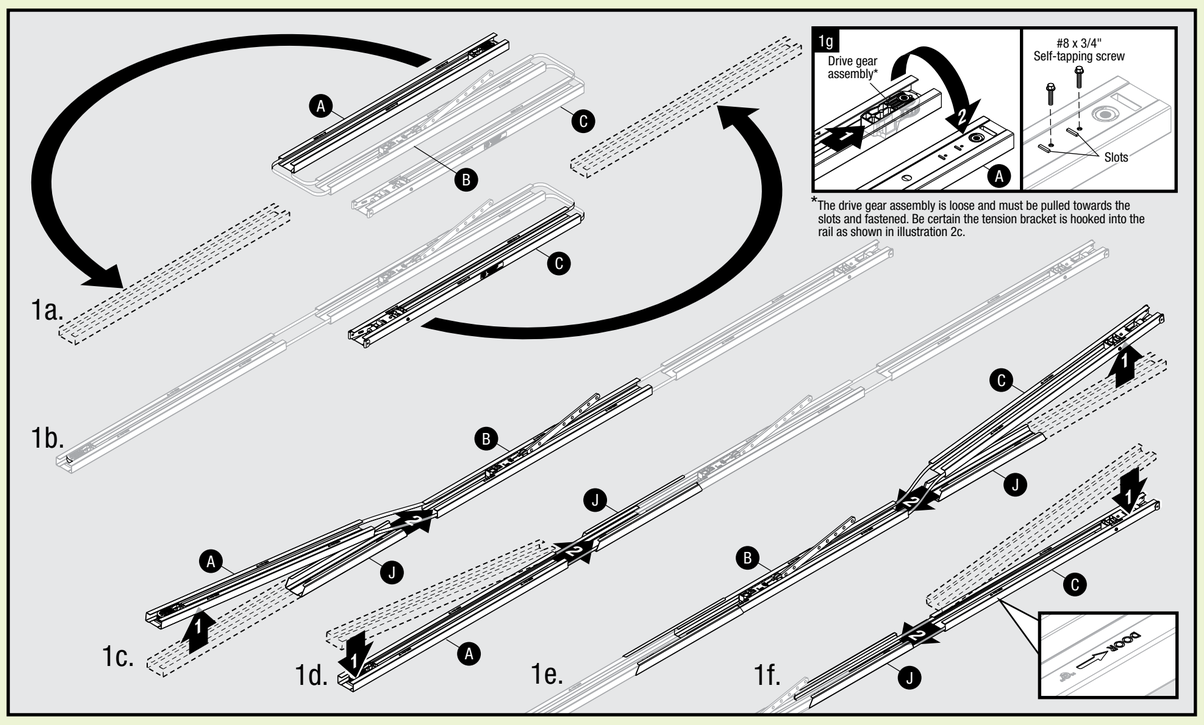
Parts List

- **(A)** Opener end rail section
- **(B)** Middle rail section
- **(C)** Door end rail section
- **(D)** Door arm, curved
- **(E)** Powerhead lens
- **(F)** Powerhead
- **(G)** Powerhead bracket
- **(H)** Mounting straps
- **(I)** Powerhead bracket, belt drive
- **(J)** Rail connector
- **(K)** Emergency release cord
- **(L)** Safe-T-Beam/wall console wire
- **(M)** Remote
- **(N)** Wall console
- **(O)** Wireless keypad (Optional on some models)

1 Rail Assembly (**GREEN BAG** hardware)

1. Check door height, 8' doors require a Rail Extension Kit (available at leading retail stores)
2. Fully read instructions and warnings before proceeding

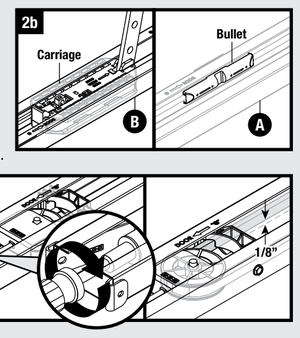
1a. Slide the opener end rail section (A) to correct position.
1b. Slide the door end rail section (C) to correct position.
1c. Lift opener rail section (A) slightly and slide rail connector (J) onto middle rail section (B).
1d. Lower opener rail end section (A) and slide into rail connector (J) until it locks.
1e. Lift door end rail section (C) slightly and slide rail connector (J) onto middle rail section (B).
1f. Lower door rail end section (C) and slide into rail connector (J) until it locks.
1g. Slide gear assembly to front end of opener end rail section (A). Turn rail assembly over and place drive gear assembly in slots. Insert two screws to fasten assembly to the rail.



*The drive gear assembly is loose and must be pulled towards the slots and fastened. Be certain the tension bracket is hooked into the rail as shown in illustration 2c.

2 Adjusting Rail Tension

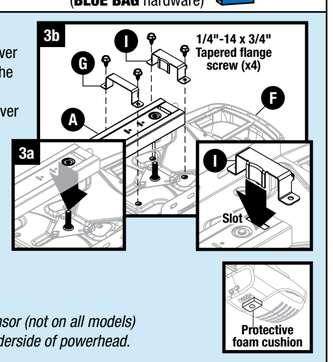
2a. The chain/belt needs to be tightened inside the rail.
2b. Make sure carriage and bullet are not engaged. To disengage the carriage pull the red cord.
2c. Prior to tightening, check to make certain the tension bracket is hooked into the rail as shown in illustration 2c. Tighten tension nut until chain/belt is approximately 1/8" above bottom edge of rail. Measure at midpoint of rail.



3 Attaching Rail to Powerhead (**BLUE BAG** hardware)

3a. Turn the rail with open side toward the powerhead. Lower drive gear over spline shaft on top of opener with the lights facing away from the door..
3b. Place rail mounting bracket(s) (G) over rail and align with holes in opener.
3c. **On Belt drive models**, align belt guide bracket (I) tongue with slot and align holes in opener.
On Chain drive models, utilize a second mounting bracket (G) and align with holes in opener.
3d. Fully tighten 1/4" x-14 x 3/4" screws. Do not over tighten.

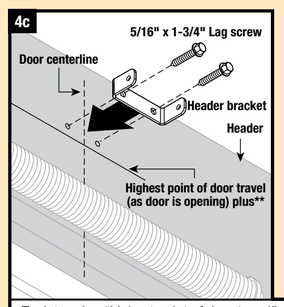
Note: *To prevent damage to motion sensor (not on all models)* ***DO NOT*** *remove foam cushion from underside of powerhead.*



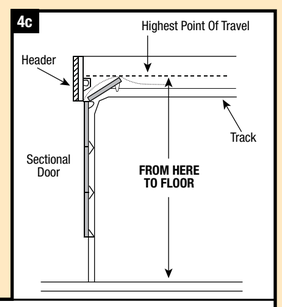
4 Mounting Rail Bracket on Header (**ORANGE BAG** hardware)

4a. Center header bracket above door, mark holes.
4b. Drill two–5/32" pilot holes in header board or 2" x 6" board connected to wall studs.
4c. Secure bracket with lag screws.

Typical Installation



Highest Point of Door Travel



To determine "highest point of door travel":
1. Get on a ladder to the side of your garage door.
2. Have someone lift the door open slowly.
3. As the door is raised, note the point and amount it extends above the door tracks with tape measure—that is the highest point of door travel.
4. Measured from floor to door or from door to ceiling

****Highest point of door travel plus:** Sectional door = Highest point plus 2.5"
One-piece door = Highest point plus 6"

⚠ WARNING

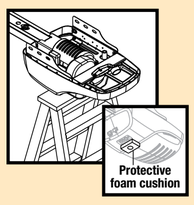
Door springs are under high tension. If spring or shaft is in the way, measure above spring or shaft on the garage door centerline and mark as location for header bracket. **DO NOT ATTEMPT TO MOVE, ADJUST, OR REMOVE DOOR SPRING!**

⚠ CAUTION

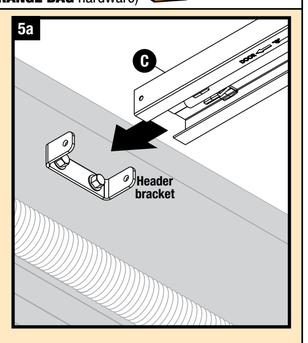
Header Bracket must be fastened to garage framing. **DO NOT** fasten to drywall, particle board, plaster, or other such materials.

5 Attaching Rail to Bracket (**ORANGE BAG** hardware)

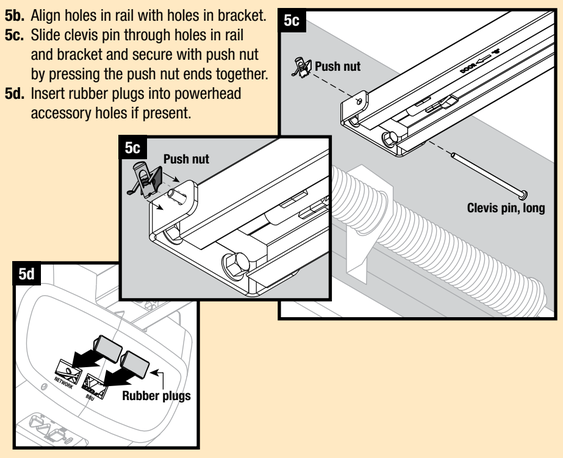
5a. Elevate opener assembly and position door end rail section (C) inside bracket.



Note: *Support opener and have a second person assist during this step.*

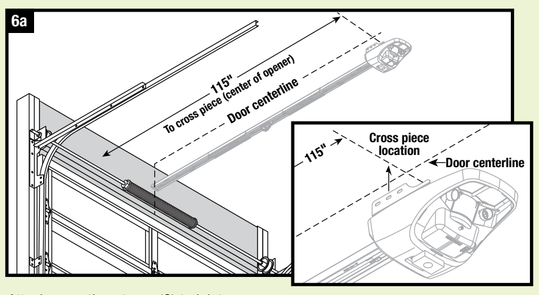


5b. Align holes in rail with holes in bracket.
5c. Slide clevis pin through holes in rail and bracket and secure with push nut by pressing the push nut ends together.
5d. Insert rubber plugs into powerhead accessory holes if present.

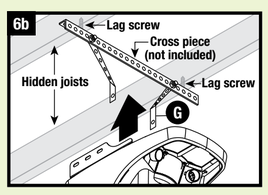


6 Mounting Powerhead to Ceiling (**GREEN BAG** hardware)

6a. Find and mark ceiling at center line of door. For finished ceilings, attach cross piece (not supplied) to joists.

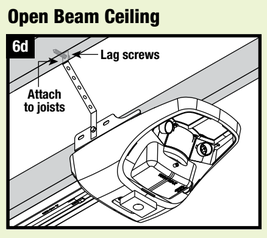


6b. Attach mounting straps (G) to joists or cross piece with (2) lag screws (5/16" x 1-3/4") provided in green bag.
6c. While supporting opener unit, open door and raise opener unit to clear door so it passes the rail clearly.
6d. Secure opener unit (in position) to mounting straps with nuts and bolts.

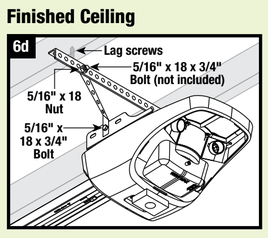


Note: Rail should be level to floor. For tall garage ceilings additional hanging angle and hardware may be required and is available at leading retail stores.

Open Beam Ceiling

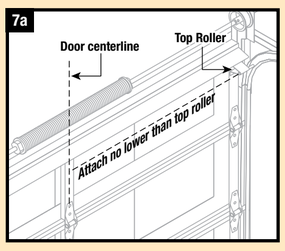


Finished Ceiling

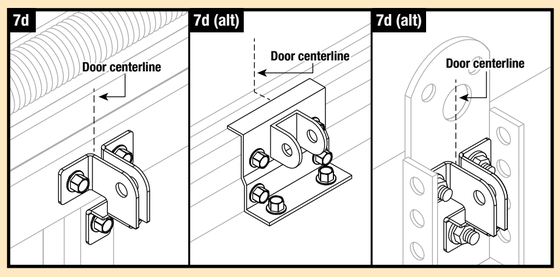


7 Attaching Door Bracket to Door (**ORANGE BAG** hardware)

Sectional Door (Typical):
7a. Center bracket on door, higher than the top set of door rollers.
7b. Using bracket, mark holes on door or frame.
7c. Drill 1/8" holes.
7d. Secure with 1/4"–20 x 3/4" self-drilling screws.
7e. Some garage door manufacturers provide door brackets that CAN be used with your Genie Door Arms.



Sectional Door (Wooden):
7a. Center bracket on door, higher than the top set of door rollers.
7b. Using bracket, mark holes on door or frame.
7c. Drill 1/8" holes completely through door.
7d. Fasten bracket with 5/16" x 2"carriage bolts and nuts (not furnished).



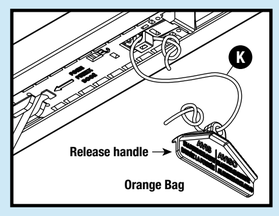
Note: *One-Piece Door (Top Edge/Face Mount) instructions are in the Operation and Maintenance Manual provided.*

⚠ CAUTION

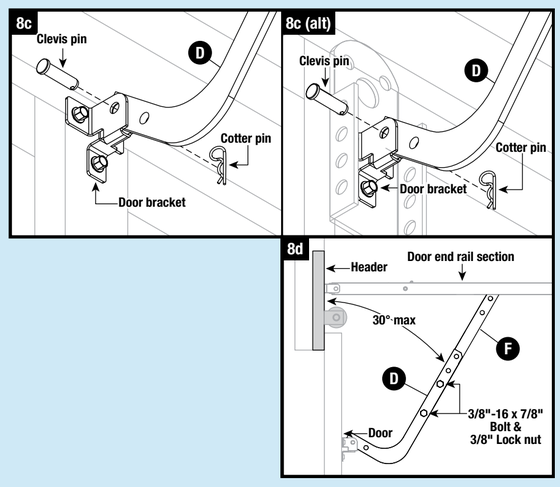
Doors made of masonite, lightweight wood, fiberglass, and sheet metal must be properly braced before mounting door opener. Contact door manufacturer or distributor for any questions or concerns. The Genie® Company is not responsible for any damage caused due to an improperly braced door.

8 Attaching Door Arm to Door Bracket and Shuttle (**BLUE BAG** hardware)

8a. Secure emergency release handle to cord (K) and attach emergency release cord to carriage in rail.
8b. Using the emergency release cord, disengage the shuttle/carriage.
8c. **Sectional Doors** typically accept curved door arm (D). In some cases, straight door arm (F) may be used if the door bracket is mounted on the top edge of door.
8d. With the door closed, the angle from door arm (D) to header is 30˚ max.

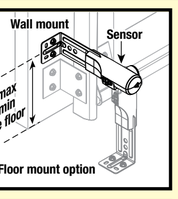


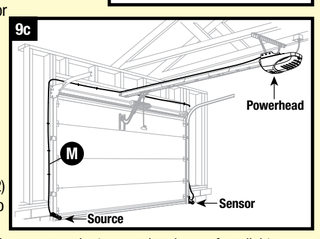
Note: *One-Piece Door (Top Edge/Face Mount) instructions are in the Operation and Maintenance Manual provided.*

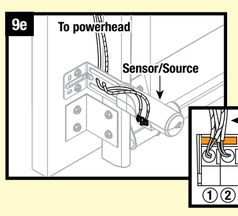


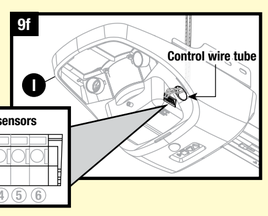
9 Installing Safe-T-Beam® (**YELLOW BAG** hardware)

9a. Position Safe-T-Beam source and sensor on each side garage door 5"– 6" above floor.
9b. Mark bracket mounting holes and secure with (4) 1/4" x 1-1/4" lag screws provided into wood. If mounting into concrete or block, other fasteners are required and are available at leading retail stores.
9c. Use garage pre-wiring when available or route two lengths of two conductor wires from powerhead, through 4 wire clips and fixed to top of rail, across header, on both left and right of door down to the source and sensor.
9d. Secure wire to rail with wire clips spaced evenly along rail, and wire to header and wall with insulated staples. Insert wires from above through control wire tube. Cut off excess wire.
9e. Attach wire to terminals on each Safe-T-Beam. At powerhead, twist (2) striped wires together and insert into terminal 1 then twist (2) white wires together and insert into terminal 2. Tape excess wire to powerhead away from lights.
9f. At powerhead, press IN the orange tabs above the terminal to insert the wires with a flat head screw driver.







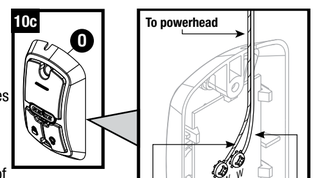


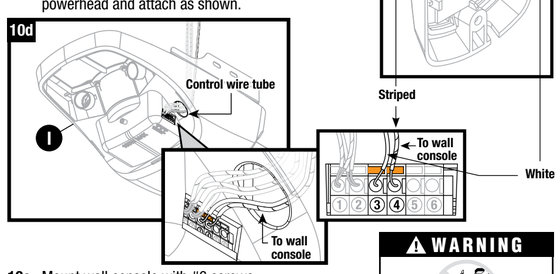
⚠ CAUTION

When using insulated staples, make only snug enough to hold wire in place. Staples too tight can cause damage to wire and cause Safe-T-Beam® System to malfunction.

10 Installing Wall Console (**CLEAR BAG** hardware)

10a. Route wire from powerhead to desired location for wall console. Some homes are pre-wired and they may not be color-coded.
10b. Secure wire with insulating staples and cut off excess wire.
10c. Attach wires to wall console as shown.
10d. From above, insert opposite end of wire through control wire tube on powerhead and attach as shown.





10e. Mount wall console with #6 screws
10f. Post **"ENTRAPMENT WARNING LABEL"** (included in Manual) next to the Wall Console.

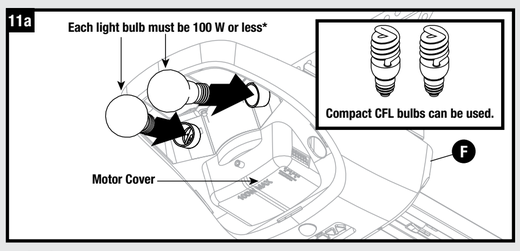
Note: *Some homes are pre-wired for Safe-T-Beam devices. Complete the connection and apply power. If the sensor or wall console LEDs come ON, wire routing is correct. You may need to wire one sensor at a time to confirm wire routing in some cases.*

⚠ WARNING

Use of any other wall control can cause unexpected operation of the door and loss of lighting feature. Locate wall console within sight of door and far enough from door to prevent contacting it while operating the console. Control must be at least 5 feet above floor to prevent small children from operating it.

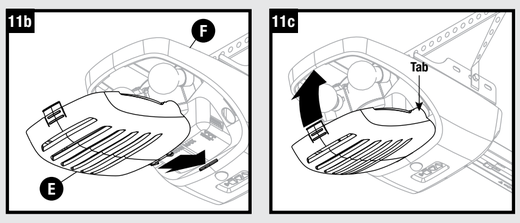
11 Light Assembly

11a. Install light bulbs into powehead (F).



****Note: DO NOT** exceed maximum wattage. Each light bulb should be no more than 100W. (Model 2562 requires light bulbs of no more than 60 watts.)*

11b. Insert powerhead lens hinge (E) into slots in motor cover on powerhead (F).
11c. Swing lens (E) up into place. (It may be necessary to squeeze lens slightly to align tabs with slots at top of motor cover).



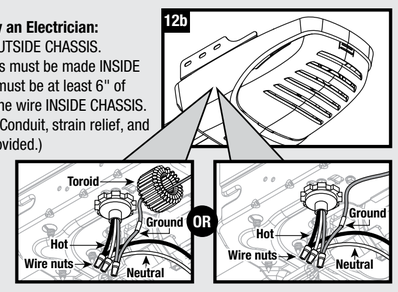
12 Connecting Power

For Grounded Outlet connection:
12a. Plug in the power cord. Coil excess cord and tape or twist tie it to top of powerhead. (**DO NOT** PLACE ABOVE LIGHT BULBS.)

⚠ WARNING

Opener is equipped with grounded electrical plug for your protection, and only fits grounded electrical outlets. **DO NOT** alter plug in any way! If you have no grounded outlets, have one installed by a licensed electrician. Opener must be properly grounded to prevent personal injury and equipment damage. **NEVER USE AN EXTENSION CORD!** Check local building codes for any requirement that you must have a permanent hard-wired connection. **NEVER REMOVE MOTOR COVER**. All work inside cover must be performed by a licensed electrician using proper tools and instructions.

For Permanent Wiring by an Electrician:
12a. Cut existing wires OUTSIDE CHASSIS.
12b. The wire connections must be made INSIDE CHASSIS and there must be at least 6" of new power supply line wire INSIDE CHASSIS. (Conduit is optional. Conduit, strain relief, and wire nuts are not provided.)



13 Ready to Program

Refer to Operation and Maintenance Manual for programming instructions.

⚠ CAUTION

DO NOT run opener until travel limits have been set to avoid damage to unit.

G999-393