Owner's Manual

Model No. 139,53962SRT 139,53975SRT

For Residential Use Only

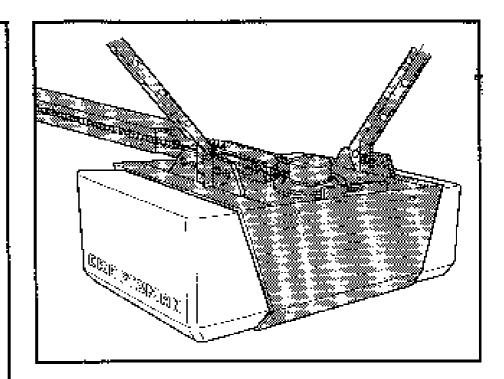


Read and follow all safety rules and operating instructions before first use of this product.

Fasten the manual near the garage door after installation.

Complies with UL 325 inguinhers edective Jacquary 1, 1993





CRAFTSMAN®

GARAGE DOOR OPENER 1/2 HP

- Safety Precautions
- Assembly
- Installation
- Adjustment
- Care and Maintenance
- Operation
- Troubleshooting
- Parts List

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Attach emergency release rope and bandlo
Electrical requirements
Install the aniety reversing sensor
djustment section - pages 28 - 30 Travel limit adjustments
THAESINF HOCKY FITTIPER IN SEEDIO

Start by Reviewing these Important Safety Alert Symbols

When you see these Safety Symbols on the following pages, they will alart you to the possibility of serious injury or death if you do not comply with the corresponding instructions. The hazard may come from something mechanical or from clockric shock. Read the instructions carefully.





Mechanical

Electrical

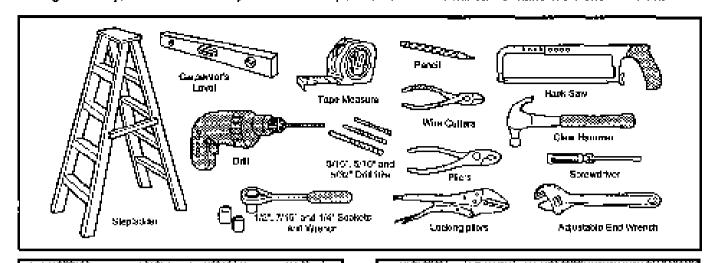
When you see this Safety Symbol on the following pages, it will alort you to the possibility of damage to your garage door and/or the garage door opener if you do not comply with the corresponding instructions. Read the Instructions carefully.



This garage door opener is designed and tested to offer safe service provided it is installed, operated, maintained and tested in strict accordance with the safety instructions contained in this manual.

You'll Need Tools

During assembly, installation and adjustment of the opener, instructions will call for hand tooks shown below.



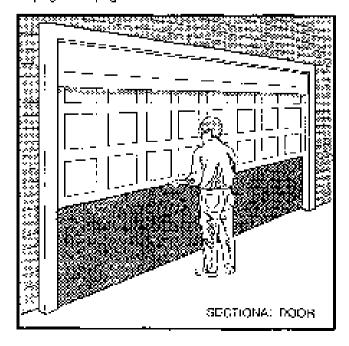
A WARNING

An unbalanced garage door might not reverse when required and someone under the door could be seriously injured or killed.

If your garage door blnds, sticks or is out of balance, call for professional garage door service. Garage doors, door springs, cables, pulleys, brackets and their hardware are under extreme tension and can cause scrious injury or death. Do not by to loosen, move or adjust them yourself!

Ropes left on a garage door could cause someone to become entangled and killed. Remove all ropes connected to the door before installing and operating the openor.

Identify the type and height of your door and any special conditions that exist and any additional materials that may be required by referring to the lists on page 4 or page 5.



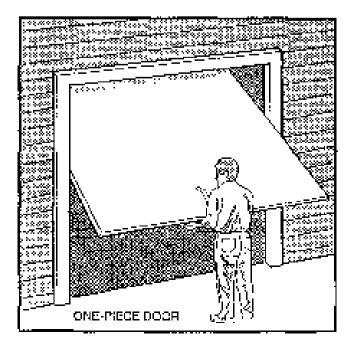
🗘 CAUTION

To avoid damage to the garage door and opener, disable locks before installing and operating the opener. Use a wood screw or nell to hold locks in the "open" (unlocked) position.

Operation at other than 120V 60 Hz witl cause opener melfunction and demage.

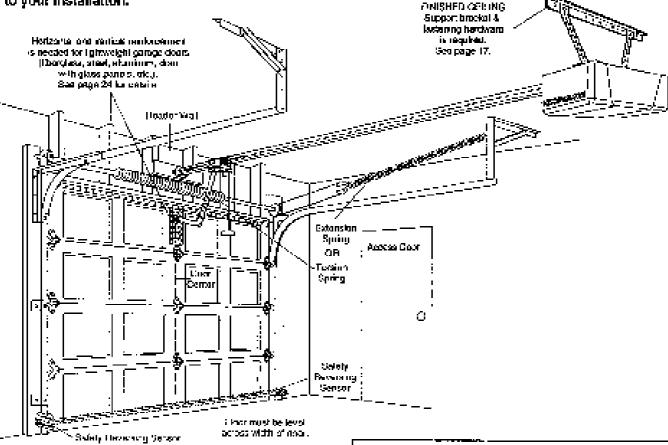
Before you begin, complete the following test to make sure your coor is balanced, and is not sticking or binding:

- Lift the door about halfway as shown. Beloase the door. It should stay in place, supported entirely by its springs.
- Raise and lower the door to see if there is any binding or sticking.



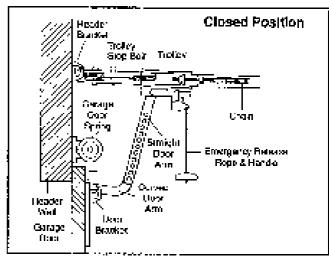
SECTIONAL DOOR INSTALLATION

Before you begin, survey your garage area to see whether any of the conditions below apply to your installation.



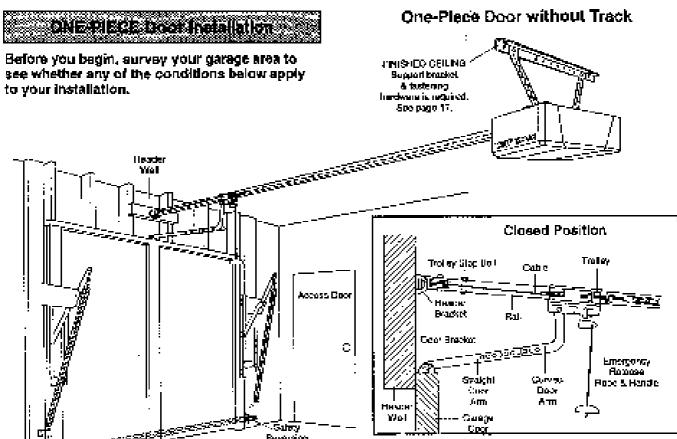
Raced on your particular requirements, there are several installation steps which might call for materials and/or hardware not included in the carton.

- Stop 1, page 12 Look at the wall or ceiling above the garage door. The header bracket must be securely fasioned to structural supports.
- Step 5, page 17 Do you have a tinished ceiling in your garage? If so, a support bracket and additional tastening hardware may be required.
- Safety reversing sonsor, page 21 Depending upon gazage construction, extension brackets (see Accessories page 36) or wood blocks may be needed to fasten sensors to mounting locations.
- Step 10, page 22 Floor mounting of the safety reversing sensor will require hardware not provided.
- Step 11, page 24 Do you have a steel, aluminum, fiberglass or glass panel donn't theo, horizontal and vertical reinforcement is required.
- Look at the gatage door where it meets the floor.
 If must close on the floor all the way across.
 Otherwise, the sefety reverse system may not work properly. See page 30. Floor or door should be repaired.



- The opener can be installed within 4 feet to the left or right of the door center if there is a torsion spring or center bearing plate in the way of the header bracket or door bracket area. If your door has extension springs, the opener must be installed in the center of the door. See pages 12 and 24.
- Do you have an access door in addition to the garage door? If not, Moriel 53702 Emergency Key Release is required. See page 38.
- If your door is more than 7 feet high, see the rail extension kits listed on page 38.

You may find it helpful to refer back to this page as you proceed with the installation of your opener.



Based on your particular requirements, there are several installation steps which might call for materials and/or hardware not included to the carton.

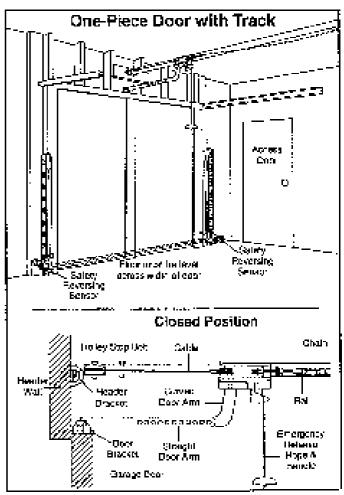
Salve:

Revoking Sensor

Gag botween toor and action. Sensor.

of goor quelicul exceed I/4°

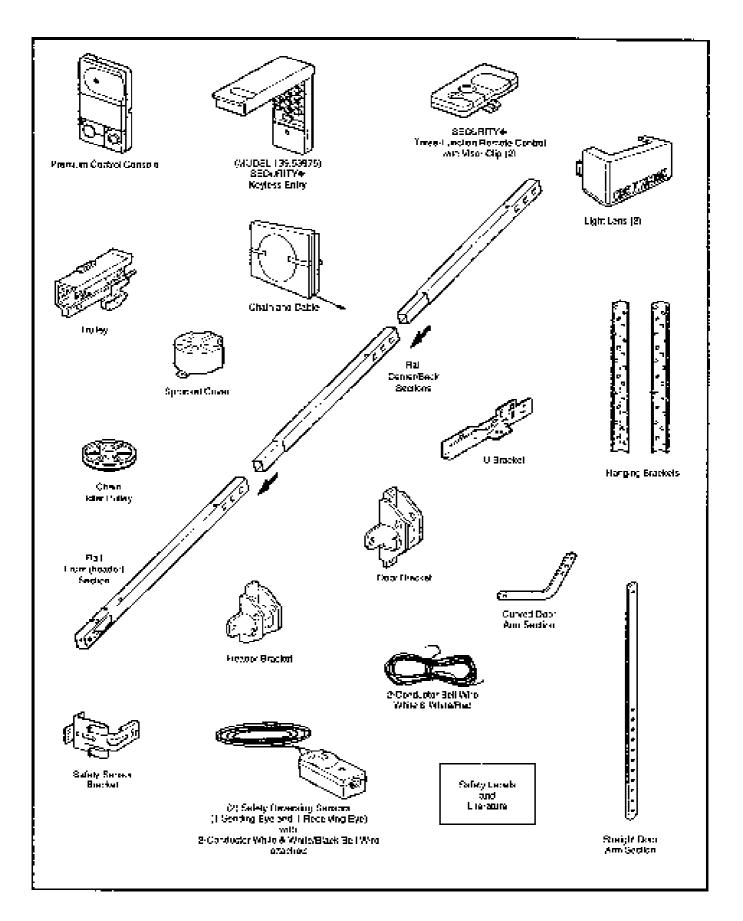
- Step 1, page 13 Look at the wall or ceiling above the garage door. The header bracket must be securely fastened to structural supports.
- Step 5, page 17 Do you have a finished ceiling in your garage? If so, a support bracket and additional lastening hardware (not provided) may be required.
- Safety reversing sensor, page 21 Depending on garage construction, wood bjocks or extension brackets (see Accessories page 38) may be needed to fasten sensors to mounting locations.
- Step 10, page 22 Floor mounting of the safety reversing sensor will require hardware that is not provided.
- Step 11, page 25 Generally, a one-piece door does not require reinforcement. If your door is lightweight, you can refer to the information relating to sectional aboves on page 24.
- Step 11, page 25 Depending on your door's construction, you might need additional mounting hardware for the door bracket.
- Do you have an access door in addition to the garage door? If not Model 53702 Energency Key Release is required, See page 38.
- The gap between the bottom of the garage door and the floor cannot exceed 1/4".
 Otherwise, the safety reverse system may not work properly. See page 30. The floor or the door should be repaired.



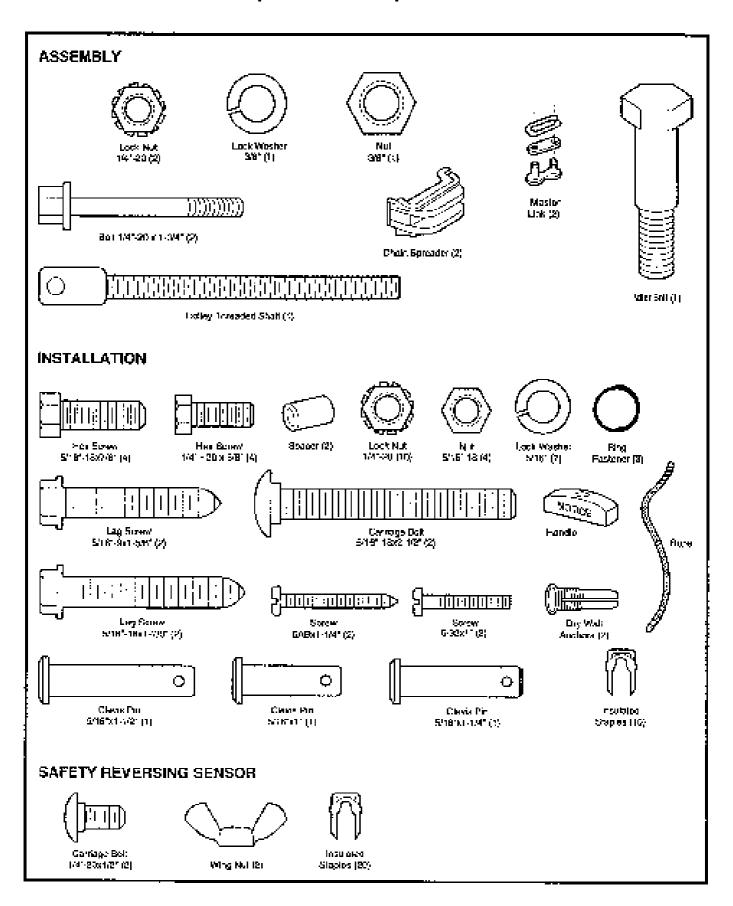
You may find it helpful to refer back to this page as you proceed with the installation of your opener.

Carton Inventory

Your garage door opener is packaged in two cartons which contain parts illustrated below. Accessories will depend on model purchased. If anything is missing, carefully check the packing material. Parts may he "sluck" in the foam. Hardwere for assembly end installation is shown on page 7.



Separate all hardware from the packages in the rail carton and the opener carton, as shown below, for the assembly and installation procedures.



Assembly Section: Pages 8 - 11

To avoid installation difficulties, do not run the garage door opener until instructed to do so.

Assembly Step 1

Assemble the Rail & Install the Trolley

The front rail has a cut out "window" at the door end (see illustration). The hole above this window is larger on the top of the roll liven on the bottom. A smaller hole 3-1/2" away is close to the rail odge. The back rail has a similar hole close to the edge, about 4-3/4" from the lar end. A 3-piece rail uses two back rails.

Preferred assembly is to position the rails right side up, with the small holes along the same edge.

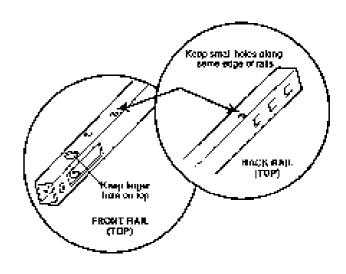
- Remove the straight door arm and clevis pin packaged inside the Iront rail and set aside for Installation Step 12.
- 2. Align the rail sections on a flat surface exactly as shown and slide the tapered ends into the larger ones. That along the side will lock into place
- Place the powertwend on packing material to protect the cover, and rest the back end of the rail on top. For convenience, put a support under the front end of the rail.
- 4. As a temporary trolley stop, ctamp a locking pilers onto the rail, 8" from the center of the idler pulley hole, as shown.
- Check to be sure there are 4 block plastic wear pads inside the inner trolley. If they became loose during shipping, check all packing meterial. Snap them back into position as shown.
- Connect the inner and outer trolleys as shown.

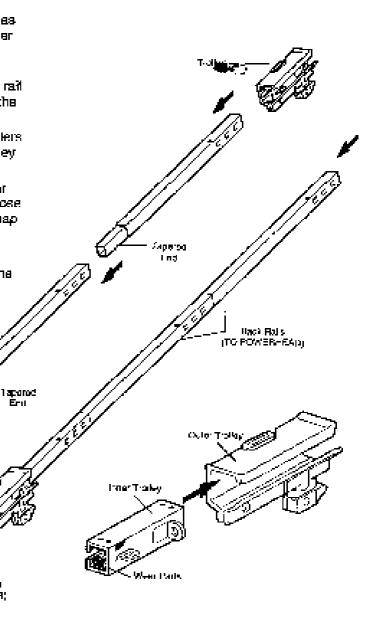
8° Gisterası ixen Ülev Policy Holo

Locking Plans

Puller

 Slide the trolley assembly along the rail from the back end to the locked pliers.



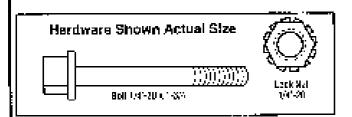


- fred Raji ITO DCCA!

Assembly Step 2

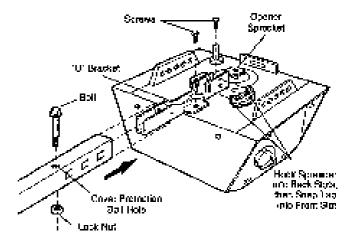
Fasten the Rall to the Opener

- Insert a 1/4"-20x1-3/4 bolt into the cover protection holt hole on the back end of the rail as shown. Tighten securely with a 1/4"-20 lock not.
- Remove the two screws from the top of the opener.
- Altach spreadors to the U bracket by snapping them into place.
- Place the U bracket, that side down, on the opener and align the bracket holes with the screw holes.
 Fasten with the previously removed screws.
- Align the roll assembly with the top of the opener, and slide the roll end onto the U-bracket as fair as if will go.





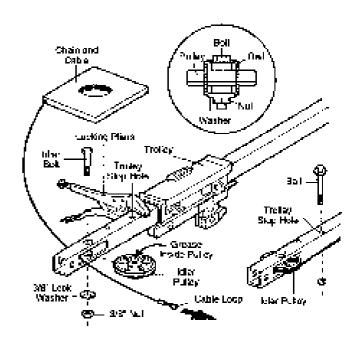
To fasten rail, use only those screws mounted in the top of the opener. Any other screws will cause serious damage to the opener.

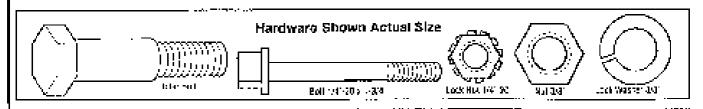


Assembly Step 3

install the ldter Pulley

- Lay the chain/cable baside the rail, as shown.
 Grasp the end with the cable loop and pass approximately 12' of cable through the window.
 Allow it to being until Assembly Step 5.
- Remove the tape from the idler pulley. The inside center should be pre-greased. If dry, regrease to ensure proper operation.
- Place the idler pulley into the window as shown.
- Insert the idler bolt from the top through the root and pulley. Tighten with a 3/8" look washer and not undernorth the root and the look washer is compressed.
- Rotate the pulley to be sure if spins freely.
- Insert a 1/4"-20x1-3/4 bolt into the trolley atophole in the front of the rail as shown. Tighter, securely with a 1/4"-20 lock out.





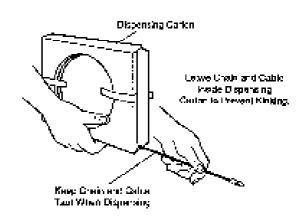
Assembly Step 4

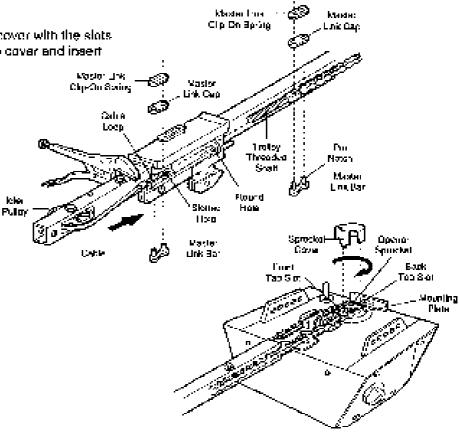
Install the Chain/Cable and Attach the Sprocket Cover

- Put the cable around the ider pulley and toward the trolley.
- Connect the cable loop to the retaining slot on the trolley, as shown:
 - From below, push pins of master link bar up through cable loop and trolley slot.
 - Push meater link cap over pins and past pin notches
 - Slide dip-on spring over cap and onto pin notches until both pins are securely locked in place.
- With the trolley against the pilers, dispense the remainder of the cable/chein along the fall toward the powerhead and around the aprocket. The aprocket teeth must angage the chain.
- Check to make sure the chain is not twisted, then connect it to the threaded shaft with the remaining master link,
- Thread the inner not and lock washer onto the the trolley shaft.
- Insert the trolley threaded shaft through the hole in the trolley. Be sure the chain is not twisted.
- Loosely thread the outer nut onto the trolley shaft.
- 8. Remove the locking pliers.
- Align the tabs on the sprocket cover with the slots in the mounting plate. Squeeze cover and insert tabs in slots.



Serious injury can result if fingers become entangled in moving opener sprocket. Attach aprocket cover securely. Never opener while your hand is near the opener sprocket.





Assembly Step 5

Tighten the Chain

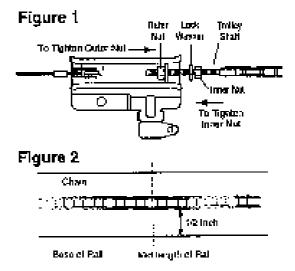
- Spin the inner nut and lock washer down the threaded shaft, away from the trolley.
- To tighten the chain, turn outer not in the direction shown (Figure 1).
- When the chain is approximately 1/2" above the base of the rall at its midpoint, re-lighten the innernut to secure the adjustment.

Sprocket noise can result if chain is too loose.

When installation is complete, you may notice some chain droop with the door closed. This is normal. If the chain returns to the position shown in Figure 2 when the door is open, do not re-adjust the chain.

NOTE: During future maintenance, ALWAYS pull the emergency release handle to disconnect trolley before adjusting chain.

NOTE: You may notice loosesting of chein after Adjustment Step 4 (Test the Safety Reverse System). Check for proper tension and readjust chain if noccessory. Then repeat Adjustment Step 4.



You have now finished assembling your garage door opener. Please read the following warnings before proceeding with installation.

IMPORTANT INSTALLATION INSTRUCTIONS





To reduce the risk of severe injury or death to persons:

- 1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
- Install only on a properly balanced and lubricated garage door. An Improperly balanced door
 may not reverse and could result in severe injury or death. Repairs to cables, apring assemblids
 and other hardware must be made by a professional service person before installing opener.
- 3. Disable all locks and remove all ropes connected to the garage door before installing the opener.

 Hopes connected to a garage door can cause entanglement and death.
- 4. If possible, install door opener 7 feet or more above floor with the emergency release handle mounted 6 feet above the floor.
- Do not connect the opener to power source until instructed to do so.
- Locale the Door Control within sight of the door at a minimum height of 5 feet where small children cannot reach, and away from all moving parts of the door.
- 7. Install the User Safety Instruction Label on the wall adjacent to the door control and the Maintenance Instruction Label in a prominent location on the inside of the garage door.
- 8. Upon completion of the installation, the door must reverse when it comes in contact with a one-inch high object or a 2x4 laid fiel on the floor.
- Do not wear watches, rings or loose clothing while installing or servicing an openor. Jewelry or loose clothing can be caught in the mechanism of the garage door or the opener.

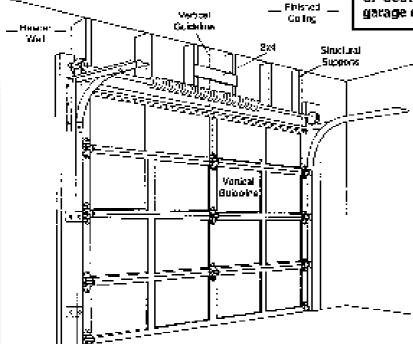
Installation Section: Pages 12 - 27

Installation Step 1

Determine Header Bracket Location

Installation procedures vary according to garage door types. Follow the instructions which apply to your door.

9ECTIONAL Door and ONE-PECE Door With Track



A WATHING

If the header bracket is not rigidly fastened to a structural support on the header wall or celling, the safety reverse system may not work properly (see page 30). The door might not reverse when required, and could cause serious injury or death.

The garage door springs, cables, pullsys, brackets and their hardware are under extreme tension. Do not attempt to loosen, move or adjust them yourself. Serious personal injury or deeth could result. Call for professional garage door service.

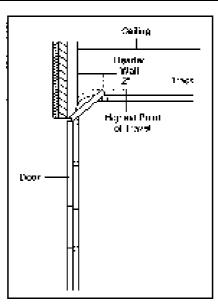
- Close the door and mark the inside vertical canterine of the garage door.
- Extend the line onto the header wellabove the door.

Romember, you can faster the header bracket within 4 feet of the left or right of the door center only if a torsion apring or center bearing plate is in the way; or you can attach it to the cailing (refer to page 14) when clearance is minimal. (If may be mounted on the wall upside down if necessary, to gain approximately 1/2*.)

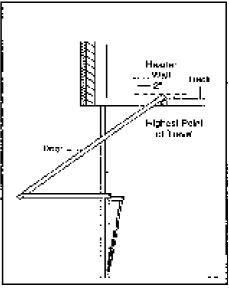
If you need to install the header bracket on a 2x4 (on wall or ceiling), use tag screws (not provided) to securely fasten the 2x4 to structural supports as shown here and on page 13.

 Opera your door to the highest point of travel as shown. Draw an intersecting horizontal line on the header wall 2" above the high point. This height will provide travel clearance for the top edge of the door.

Door deerance brackets are available for sectional doors when headroom dearance is less than 2". See accessory page 38.



Sectional door with curved track



One-piece door with horizontal track

Proceed to Step 2, page 14.

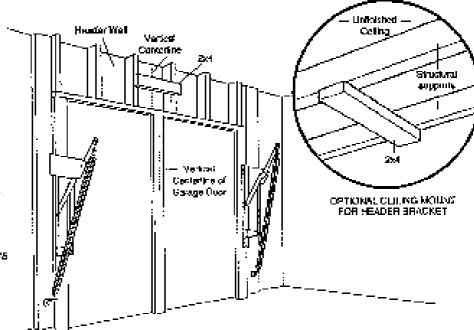
CANE PRIOR DOOR Without Transfer

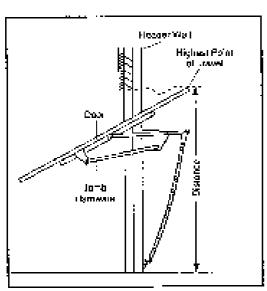
Read the Safety instructions on page 12. They also apply to doors without tracks.

 Close the door and mark the inside vertical centerline of your garage door. Extend the line onto the header wall above door.

If headroom dicarance is minimal, you can install the header bracket on the cailing. See page 14.

 If you need to install the header bracket on a 2x4 (on wall or colling), use leg screws (not provided) to securely lasten the 2x4 to structural supports as shown.

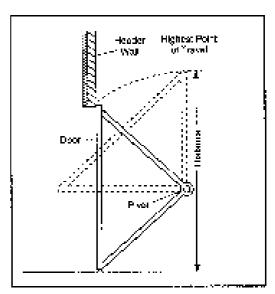




One-piece door without track jamb hardware

- Open your door to the highest point of travel as shown. Measure the distance from the top of the door to the floor. Subtract the actual height of the door. Add 8' to the remainder. (See Example).
- Close the door and draw an intersecting horizontal line on the header wall at the determined height.

If the total number of inches exceeds the height available to your garage, use the maximum height possible, or refer to page 14 for ceiling installation.



One-piece door without track pivot hardware

EXAMPLE

Distance from top of door	
(at highest point of travel) to floor	92*
Actual beight of door	BB+
Remainder	4"
Add	+ä"
Bracket height on header well	,–12"
(Measure UP from top of CLUSED (Inc.)	

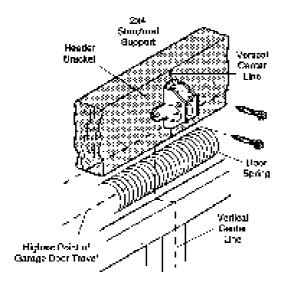
Proceed to Step 2, page 14.

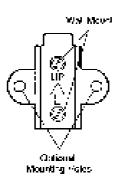
Install the Header Bracket

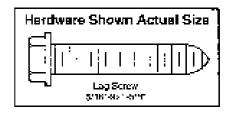
You can attach the header bracket either to the wall above the garage door, or to the caiting. Follow the instructions which will work best for your particular requirements.

Wall Header Bracket Installation

- Center the bracket on the vertical guideline with the bottom edge of the bracket on the horizontal line as shown (with the arrow pointing toward the beiling).
- Mark the vertical set of bracket holes. Drill 3/16*
 pilot holes and fasten the bracket securely to a
 structural support with the hardware provided.

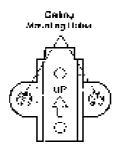


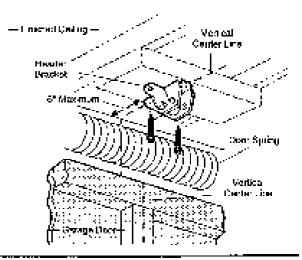


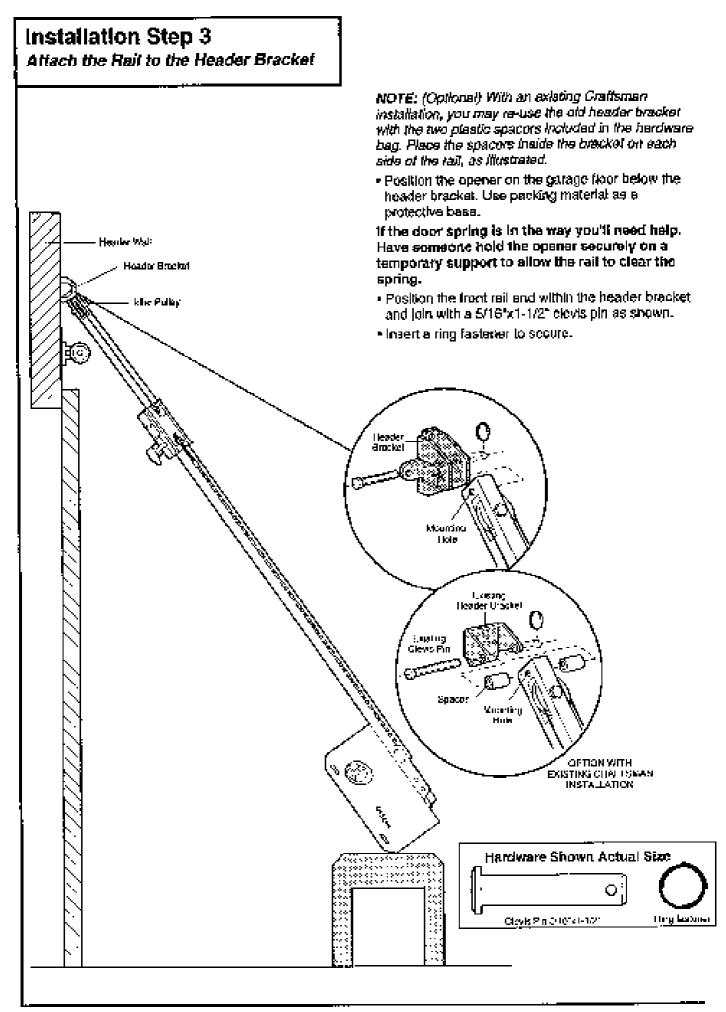


Ceiling Header Bracket Installation

- Extend the vertical guidetine onto the ceiling as shown.
- Center the bracket on the vertical mark, no more than R' from the wall. Make sure the arrow is pointing toward the wall. The bracket can be mounted flush against the calling when clearance is minimal.
- Mark the side holes 40rill 3/16" pllot holes and festen bracket securety to a structural support with the hardware provided.







Position the Opener

Follow instructions which apply to your door type as illustrated.



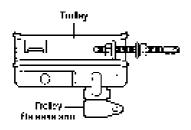
To prevent damage to steel, sluminum, fiberglass or glass panel doors, do not rest the opener on the door without using a 2x4.

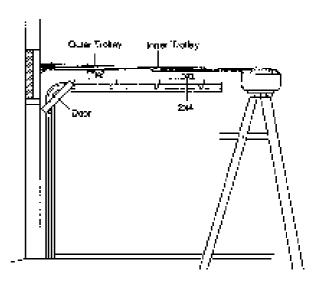
SECTIONAL or ONE PIECE Door with Track

A 2x4 taid (lat is convenient for setting an ideal door-to-T-rail distance.

- Raise the opener onto a stepladder as shown. You will need help at this point if the ledder is not tall enough.
- Open the door all the way and place a 2x4 laid flat on the top section beneath the reil.

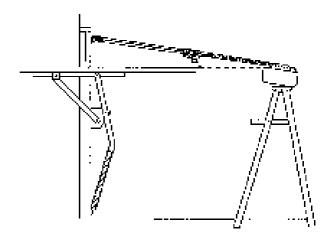
If the top panel hits the trolley when you relse the door, pull down on the trolley release arm to disconnect the inner and outer sections. The trolley can remain disconnected until Step 12 is completed.





ONE-PIECE Door without Track

- With the door fully open and perallel to the floor.
 measure the distance from the floor to the top of the door.
- Using a stepledder as a support, raise the operact to this height (it will be at a slight engle as shown).
- The top of the door should be level with the top of the opener. Be not position the opener more than 21 above this point.



Hang the Opener

Two representative installations are shown. Youra may be different. Hanging brackets should be angled, Figure 1, to provide rigid support. On tinished coilings, Figure 2, attach a sturfy metal bracket to structural supports before installing the opener. The bracket and fastening hardware are not provided. See accessory page 38.

- Measure the distance from each side of the opener to the structural support.
- Cut both pieces of the hanging bracket to required lengths.
- Odli 3/16" pilot holes in the structural supports.
- Altach one end of each bracket to a support with 5/16"-18x1-7/8" lag screws.
- Fasten the opener to the hanging brackets with 5/16'-18x7/8' screws, lock washers and nuts.
- Check to make sure the rail is centered over the door (or to line with the header bracket if the bracket is not centered above the door).
- Remove the 2x4. Operate the door manually. If the door hits the rail, raise the header bracket.

NOTE: Do NOT connect power to opener at this time.



The opener could fail and injure someone if it is not properly secured. Fasten the opener securely to structural supports of the garage.

Figure 1

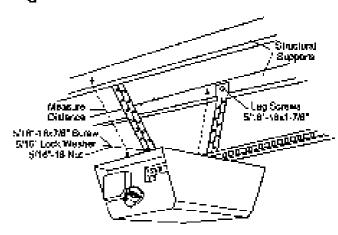
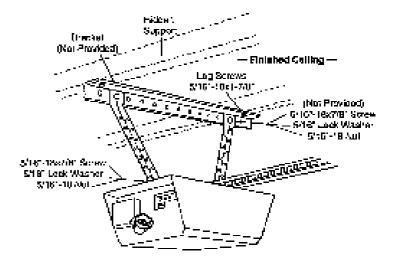
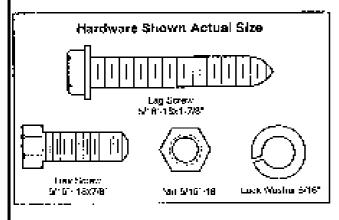


Figure 2





Install the Premium Control Console

Locate the door control within sight of the door at a minimum height of 5 feet where small children cannot reach, and away from all moving parts of the door and door hardware.

The door control is typically attached directly to the wall. If installing into drywall, drill 5/32" holes and use the anchors provided. For pre-wired installations (as in new home construction), Consola models may be mounted to a standard single gang box (Figure 2).

- Strip 1/4" of insulation from one end of the hell wire and connect it to the two screw terminals on the back of the door control; white to 2, and white/red to 1.
- Pry off cover along one side with a screwdriver blade (see Figure 1). Fasten with 6ABx+-1/4" selftapping screws (standard installation) or 6-32x1" machine screws (pre-wired installation) as follows:
 - Install hottom screw, attowing 1/8" to protrude above well surface.
 - Púsition boltom of door control on screw head and alide down to secure. Adjust screw for snug fit.
 - Drill and install top screw with care to avoid cracking plastic incusing. Do not eventighten.
 - Insert top tabs and snap on cover.
- (For standard installation) But the bell wire up the wolf and across the beiling to the opener. Use insulated staples to secure the wire in several places. So careful not to pierce the wire with a steple orgating a short.
- Connect the bell wire to the terminal scraws on the opener panel; white to 2; white/red to 1.
- Position the antenna wire as shown.

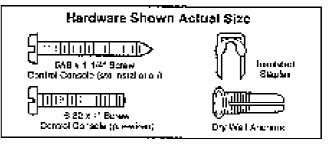
A A WARNING

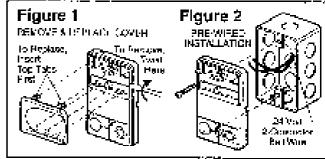
Do not connect to live electrical wiring. Connect only to 24 Valt low voltage wires. Connection to live wires or higher voltage may cause serious injury from shock, burn or electrocution.

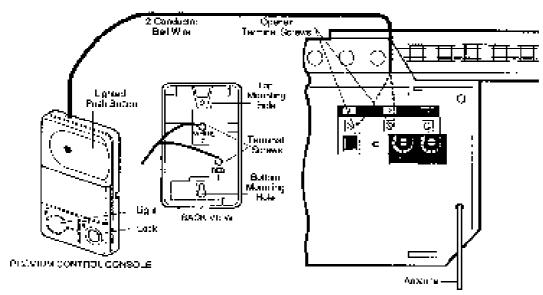
Children operating or playing with a garage door opener can injure themselves or others. The garage door could close and cause serious injury or death.

install the door control (or any additional push buttons) out of the reach of children and away from all moving parts of the door and door hardware, but where the garage door is visible. Do not allow children to operate the push button(s) or the remote control(s).

A moving garage door could injure someone under II. Activate the opener only when the door is properly adjusted, you can see it clearly, and there are no obstructions to door travel.







 Attach the User Safety Instruction label to the walt near the door control, and the Maintenance Instruction label in a prominent location on the inside of the garage door.

Page 32 explains how to use the door control.

Do NOT connect the power and operate the opener at this time. The trolley will travel to the full open position but will not return to the close position until the sensor beam is connected and properly aligned.

See Safety Reversing Sensor Instructions beginning on page 21.

Installation Step 7

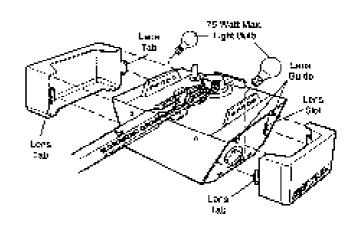
Install the Lights and the Lenses

install the lights:

- Install a 75 wett maximum light bulb in each socket. The lights will turn ON and remain lit for approximately 4-1/2 minutes when power is connected. Then the lights will turn OFF.
- Use attandard neck Garage Door Opener bulbs for replacement.

install the lenses:

- Apply slight pressure on the sides of each lens and allde the tabs into the stots in the side panels.
- For convenience, the lenses may be installed after Adjustment Step 4 on page 30.
- Reverse the procedure to remove the lenses.



Installation Step 8

Attach the Emergency Release Rope and Handle

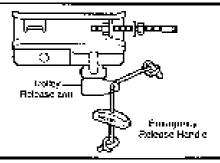
- Thread one end of the rope through the hole in the top of the red handle so "NOTICE" reads right acts up as shown. Secure with an overhand knot, at least 1" from the crid of the rope to prevent slipping.
- Thread the other end of the rope through the hole in the release aim of the outer trolley.
- Adjust rope length so the handle is 6 feet above the floor. Secure with an overhand knot.

If it is necessary to cut the rope, heat seal the cut end with a match or lighter to prevent unraveling.

A WAHNING

Do not use the red handle to pull the door open or closed. The rope knot could become unlied and you could fall. Use the emergency release only to disengage the trolloy and, if possible, only when the door is closed.

Garage doors are heavy. If the door is open when the handle is pulled, the door could close inadvertently if it is not properly balanced. Scrious injury may result to persons under the door. Make sure the doorway is clear of persons and obstructions before pulling handle when door is open.



Electrical Regulrements

To reduce the risk of electric shock, your garage door opener has a grounding type plug with a third grounding pin. This plug will only lit into a grounding type outlet.

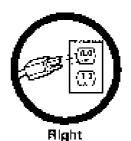
If the plug doesn't fit into the outlet you have, contact a qualified electrician to install the proper outlet.

To avoid installation difficulties, do not run the opener al this time.



To prevent electrocution or fire, installation and wiring must be in compliance with local electrical and building codes.

Do NOT use an extension cord, 2-wire adapter, or change the plug in any way to make it lit your outlet.





If permanent wiring is required by your local code, refer to the following procedure:

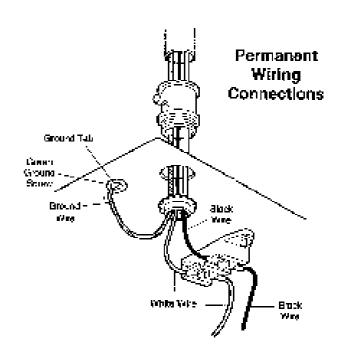
/}\ WARNING

To prevent electrocution, remove power from the garage door opener and from the circuit you plan to use for the permanent connection.

To make a permanent connection through the 7/8" diameter hole in the top of the openor (according to local code):

- Remove the opener cover screws and set the cover asido.
- Remove the sittached 3 prong cord.
- Connect the black (line) wire to the screw on the blass terminal; the white (neutral) wire to the screw on the saver terminal; and the ground wire to the green ground screw. The opener must be grounded.
- · Reinstall the cover.

To evold installation difficulties, do not run the opener at this time,



The Safety Reversing System

(MPORTANT INFORMATION ABOUT THE SAFETY REVERSING SENSOR

The safety reversing sensor *must* be connected and aligned correctly before the garage door opener will move in the down direction. This is a required safety dovice and cannot be disabled.

When property connected and aligned, the selety reversing sensor will detect an obstacle in the path of its electronic beam. The sending eye (with an orange indicator light) transmits an invisible light beam to the receiving eye (with a grown indicator light). If an obstruction breaks the light beam while the door is closing, the door will stop and reverse to full open position, and the opener light will flash 10 times.

The units must be instalted inside the garage so that the sending and receiving eyes face each other across the door, between 4 – 6" above the floor. Either can be installed on the left or right of the door as long as the sun never shinos directly into the receiving eye lens.

The mounting brackets are designed to dip onto the track of sectional garage doors without additional hardware.



Without a properly working safety reversing sensor, persons (particularly children) could be injured or killed by a closing garage door. Read and tollow all instructions.

To protect small children, install the salety reversing sensor so that the beam will be between 4 – 6" above the garage floor.

Disconnect power to the garage door opener before installing the safety reversing sensor.

If it is necessary to mount the units on the wall, the brackets must be securely fastened to a solid surface such as the wall framing. Extension brackets (see accessories) are available if needed. If installing in masonry construction, add a piece of wood at each location to avoid 649ing extra holes in masonry if repositioning is necessary.

The invisible light beam path must be uncostructed. No part of the garage door (or door tracks, springs, hinges, rollers or other hardware) may interrupt the beam while the door is closing.

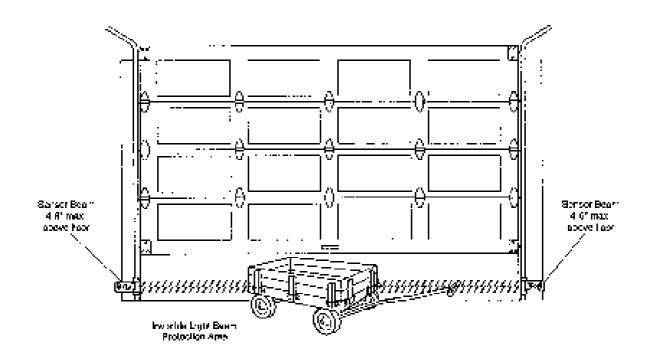


Figure 1: Facing the door from Inside the garage

Install the Safety Reversing Sensor

Be sure power to the opener is disconnected.

Install and align the brackets so the sensors will face each other across the garage door, with the beam from 4 – 6° above the floor.

They may be installed in one of three ways," depending on your requirements, as follows.

- (Preferred) Clipped onto the lett and right garage door tracks. See Figure 2.
- Fastened to the wall on each side of the garage.
 See Figure 3.
- Fastened to the floor (see Figure 4). Concrete anchors and wood blocks or extension brackets will be peeded.

Garage door track installation:

 Slip the curved acms over the rouncied edge of the door track. Shep into place against the side of the track. It should lie flush, with the lip hugging the back edge of the track, as shown.

If your door track will not support the bracket securely, wait installation is recommended.

Wall installation:

- Place the bracket against the wall and make sure there is enough dearance for the sensor beam to be unobstructed.
- If additional depth is needed, an extension bracket (see Accessories) or wood blocks can be used.
- Use bracket accurring holes as a template to locate and drill (2) 3/16" diameter pilot holes on the wall at each side of the door, from 4-6" above the floor. (See warning at beginning of Installation Slep 10.)
- Attach brackets to wall with lag screws (not provided).
- If using extension brackets or wood blocks, adjust right and left assemblies to the same distance out from the mounting surface. Make sure all duor hardware obstructions are cleared.

Floor installation:

- Use wood blocks or extension brackets (see Accessuries) to elevate sensor brackets so the lenses will be 4-6" above the floor.
- Carefully measure and place right and left assumblies at the same distance out from the wall, Be sure all door hardware obstructions are cleared.
- Fasten to the floor with concrete anchora as shown.

Figure 2 DOOR TRACK MOUNT (Right Side)

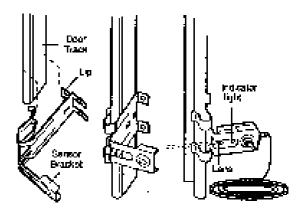


Figure 3 WALL MOUNT (Right Side)

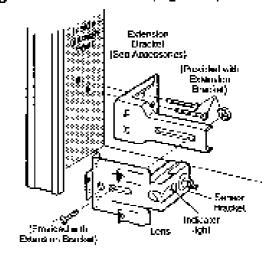
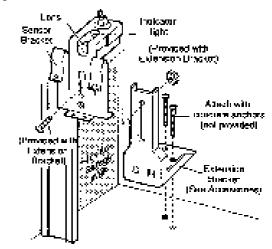
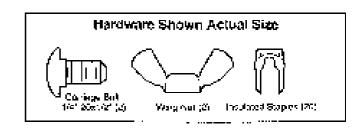


Figure 4 FLOOR MOUNT (Right Side)





Mounting and Wiring the Safety Sensors

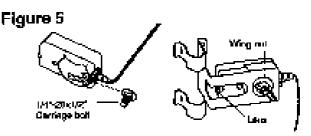
- Silde a 1/4"-20x1/2" carriage bolt head into the slot on both sensors. Use wing nuts to festen sensors to brackets, with tenses pointing toward each other across the door. Be sure the lens is not obstructed by a bracket extension. See Figure 5.
- Finger tighten the sensor wing nuts.
- Rum the wires from both sensors to the opener. Use Insulated staples to secure wire to wall and colling.
- Strip 1/4" of Insulation from each set of wires.
 Separate white and white/black wires sufficiently to connect to the opener terminal screws: white to 2 and white/black to 3.

Aligning the Safety Sensors

 Plug in the opener. The indicator lights in both the sanding and receiving eyes will glow steadily it witing connections and alignment are control.

The sending eye arrange Indicator tight will glow regardless of alignment or obstruction. If the green Indicator light in the *receiving* eye is off, dim, or flickering (and the iswipible light besun path is not obstructed), alignment is required.

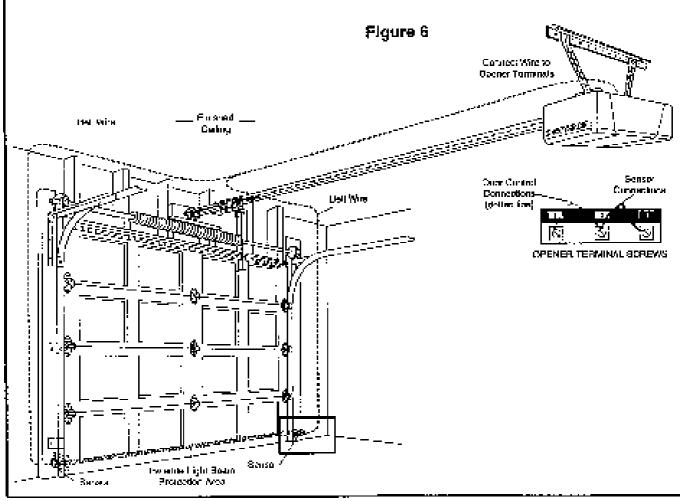
- Loosen (ive scooting eye wing nut and readjust, aiming directly at the receiving eye. Lock in place.
- Loosen the receiving eye wing nut and adjust sensor venically analog horizontalty until it receives the sender's beam. When the green indicator light glows steadily, better the wing nut.



Trouble Shooting the Safety Sensors

- If the sending eye indicator light does not glow steadily after installation, check for:
 - Electric power to the opener.
 - A short in the white or white/black wires. These can occur at slaples, or at screw terminal connections.
 - Incorrect wiring between sensors and opener.
 - A broken wire.
- If the sending eye indicator light glows steadily but the receiving eye indicator light doesn't;
 - Check alignment.
 - Check for a broken wire to the receiving eye.
- 3. If the receiving eye indicator light is dim, realign either sensor.

NOTE: When the Invisible beam path is obstructed or misaligned while the door is closing, the door will reverse. If the door is already open, if will not close. The opener lights will feath 10 times. (If bulbs are not installed, 10 clicks can be heard.) See page 21.



Fasten Door Bracket

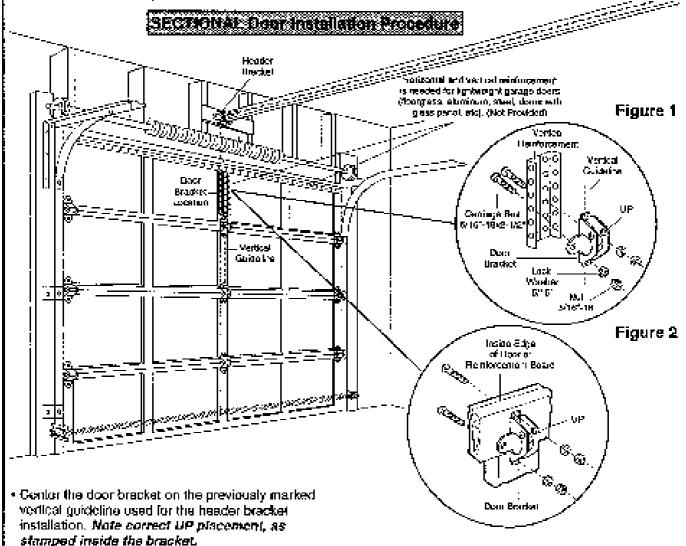
Follow Instructions which apply to your door type as illustrated below or on page 25.



To prevent damage to stool, aluminum, fiberglass or glass panel doors, always reinforce the inside of the door both vertically and horizontally with an angle iron.

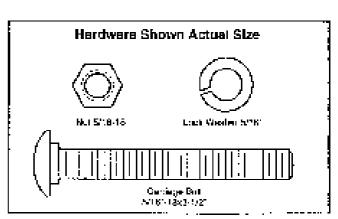
A horizontal brace should be long enough to be secured to 2 vertical supports. A vertical brace should cover the height of the top panel.

The illustration shows one piece of angle iron as the horizontal brace. For the vertical brace, 2 pieces of angle iron are used to create a "U"-shaped support. The best solution to check with your garage door manufacturer for an opener installation door reinforcement kil.



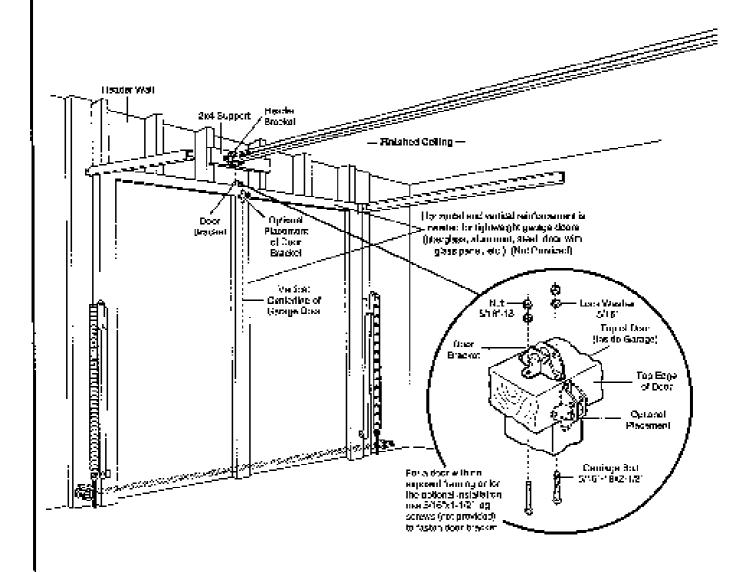
- Position the bracket on the face of the door within the following limits:
- A) The top edge of the bracket 2'-4" below the top edge of the coor.
- D) The top edge of the bracket directly below any sinuctural support across the top of the door.
- Mark and drill 5/16" left and right festering holes.
 Secure the bracket as shown in Figure 1 if there is vertical reinforcement.

If your installation doesn't require vertical reinforcement but does need top and bottom fastening holes for the door teachet, fasten as shown in Figure 2.



All ONE-PIECE Ocor Installation Procedure

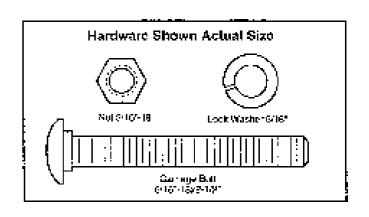
Please read and comply with the warnings and reinforcement instructions on page 24. They apply to one-piece doors also.



- Center the bracket on the top of the door, in line with the header bracket as shown. Mark holes.
- Drill 5/16" pilot holes and fasterr the door bracket with hardware supplied.

If the door has no exposed framing, drill 3/16" pilot haves and fasten the bracket with 5/16"x1-1/2" lag seriews (not provided) to the log of the door.

The door bracket may be installed on the Top edge of the door if required for your Installation. (Refer to the dotted line optional placement drawing.) Drill 3/16" pilot holes end substitute 5/16"x1-1/2" leg ecrews (not provided) to tasten the bracket to the door.



Connect Door Arm to Trolley

Follow instructions which apply to your door type as illustrated below and on page 27.

-- BECTIONAL Doors Unity

Make sure garage door is fully closed. Pull the emergency release handle to disconnect the outer trolley. from the lands trolley. Slide the outer trolley back (away from the pulley) for 8" minimum as shown below.

Figure 1:

- Fasten straight door arm section to outer trolley with the the 5/16"x1" devisipin. Secure the connection with a ring fastener.
- Faster curved door arm to the door bracket in the same way, using the 5/16"x1-1/4" clovis pin.

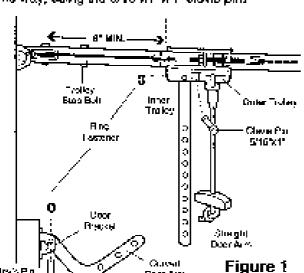
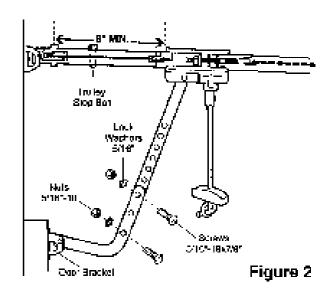


Figure 2:

 Bring arm sections together. Find two pairs of holes. that line up and join sections. Scient holes as tarepart as possible to increase door arm rigidity.

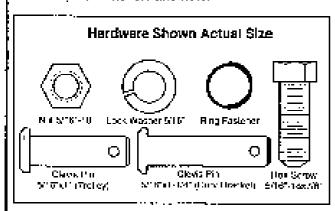


Hole Alignment Alternative

Figure 3:

City's Pin

- If holes in curved arm are above holes in straight. arm, osconnect straight arm. Out about 6' from the actid end. (Reconnect to trolley with cut and down as shown.
- Bring arm sections together.
- ா ind two pairs of holes that line up and join with screws, lock waghers and nots.



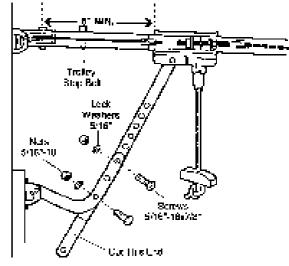


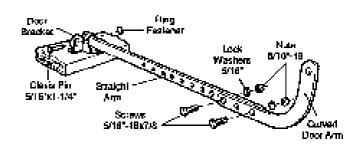
Figure 3

Proceed to Adjustment Step 1, page 28. Trolley will re-engage automatically when the opener is operated.

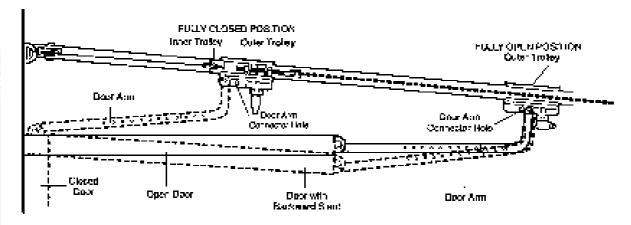


Assemble the Door Arm:

- Fasten the straight and curved door arm sections together to the longest possible longth, with a 2 or 3 hole overlap.
- With the coor closed, connect the straight door arm section to the door bracket with the 5-16" x 1-1/4" clevisipin.
- Secure with a ring fastener.



On one-piece doors, before connecting the door arm to the trolley the travel limits must be adjusted. Limit adjustment screws are located on the left side penel as shown on page 28. Follow adjustment procedures below.



Adjustment Procedures for One-Piece Doors

Open Door Adjustment: Decrease UP limit

- Turn the UP limit adjustment screw counterclockwise 5-1/2 turns.
- I'ress the Door Control push button. The trolley will travel to the fully open position.
- Manually raise the door to the open position (parallel to the floor), and lift the door arm to the trolley. The arm should touch the trolley just in back of the door arm connector hole. Refer to the fully open trolloy/door arm positions in the illustration. If the arm does not extend far chough, adjust the limit further. One full turn equals 2" of trolley travet.

Closed Door Adjustment: Decresse DOWN limit

- Turn the DOWN limit adjustment screw dockwise.
 S complete turns.
- Press the Door Control push button. The trolley will travel to the fully closed position.
- Manually close the door and lift the door arm to the trolley. The arm should touch the trolley just shead of the door arm connector hole. Refer to the fully closed trolley/door arm positions in the illustration. If the arm is behind the connector hole, adjust the limit further. One full turn equals 2" of trolley travel.

Connect the door arm to the trolley.

- Close the door and join the curved arm to the connector hole in the trolley with the remaining clevis pin. It may
 be necessary to lift the door slightly to make the connection.
- Secure with a ring fastener.
- Run the opener through a complete travel byttle. If the door has a slight "backward" stant in full open position
 as shown in the illustration, decrease the UP limit until the door is parallel to the floor.

Adjustment Step 1

Adjust the UP and DOWN Limits

Do not make any limit adjustments until the safety reversing sensors are completely installed.

Limit adjustment settings regulate the points at which the door will stop when moving up or down.

If anything interferes with the door's upward travel, it will stop. If anything interferes with the door's downward travel (including binding or unbelanced doors), it will roverse,

To operate the opener, press the Door Control push button. Run the opener through a complete travel cycle.

- Doos the door open and close completely?
- Does the door stay closed and not reverse unintentionally when fully closed?

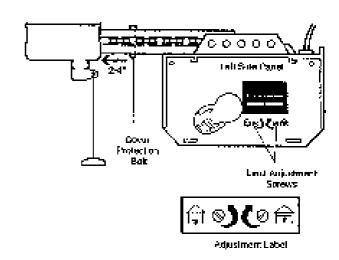
If your door passes both of these tests, no limit adjustments are necessary unless the reversing test falls (See page 30).

Adjustment procedures are outlined below. Read the procedures carefully before proceding to Adjustment Step 2. Use a screwdiffer to make limit adjustments. Run the opener through a complete travel cycle after each adjustment.

NOTE: Repeated operation of the opener during adjustment procedures may cause the motor to overheat and shut off. Simply wait 15 minutes and try again.



Improper adjustment of the travel limits will interfere with the proper operation of the safety reverse system. The door might not reverse properly when required and could seriously injure or idit someone under it. Test the safety reverse system efter making all travel and force adjustments. See page 30.



How and When to Adjust the Limits

 If the door does not open completely, but opens at least live feet;

Increase up travel. Yum the UP limit adjustment screw clockwise. One lum equals 2° of travel.

NOTE: To prevent the trolley from hilling the cover protection bolt, keep a maintum distance of 2-4" between the trolley and the bolt.

- If door does not open at least 5 lect;
 Adjust the UP (open) force as explained in Adjustment Step 2.
- If the door does not close completely: Increase down travel. Turn the OOWN limit adjustment show counterclockwise. One turn equals 2" of travel.

If the door still won't dose completely and the trolley oumps into the trolley stop bolf (see page 4 or 5), try lengthening the door arm (see page 26) and decreasing the down limit.

If the opener reverses in fully closed position:

Decrease down travel. Turn the DOWN limit adjustment screw clockwise. One turn equals 2" of travel.

 If the door reverses when closing and there is no visible interference to travel cycle:

If the opener lights are flashing, the Safety Reversing Sensors are either not installed, misaligned, or obstructed. See Troubleshooting, page 23.

Test the door for binding: Pull the emergency release handle. Manually open and close the door, if the door is binding, call for garage door service. If the door is not binding or unbelenced, adjust the DOWN (close) force, See Adjustment Step 2.

Adjustment Step 2

Adjust the Force

Force adjustment controls are located on the right side panel of the opener. Force adjustment settings regulate the amount of power required to open and close the door.

The door will stop in the up direction if enything interferes with its travel. The door will reverse in the down direction it anything interferes with its travel (including binding or unbalanced doors).

If the forces are set too light, door travel may builnterrupted by nuisance reversals in the down direction and stoos in the up direction.

Weather conditions can affect the door movement, so occasional adjustment may be needed.

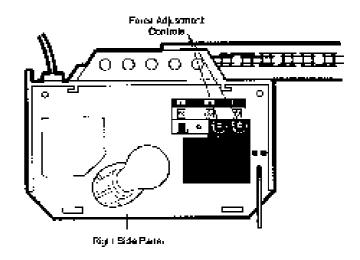
The maximum force adjustment range is 260 degrees, about 9/4 of a complete turn. Do not force controls beyond that point. Turn force adjustment controls with a screwdriver.



Asjustment Label



Too much force on the door will interfere with the proper operation of the safety reverse system. The door might not reverse properly when required and could scriously injure or kill sameone under it. Do not increase the force beyond the minimum amount required to close the door. Do not use the force adjustments to compensate for a binding or sticking garage door. Test the safety reverse system following all adjustments to force levels. See page 30.



How and When to Adjust the Forces

Test the DOWN (close) force

Grasp the door bottom when the door is about hallway through DOWN (close) travel. The door should reverse. Reversel halfway through down travel does not guarantso reversal on a one-inch obstruction. See page 30. If the door is hard to hold or doesn't reverse, decrease the DOWN (close) force by turning the control counterclockwise.

Make 10 degree turn adjustments until the door adverses normally. After each adjustment, run the opener through a complete cyclo.

Test the UP (open) force

Crasp the door bottom when the door is about hallway through UP (open) travet. The door should stop, if the door is hard to hold or doesn't stop, decrease UP (open) force by turning the control counterclockwise.

Make 10 degree turn adjustments until the door stops easily. After each adjustment, run the opener through a complete travel 6/000.

If the door doesn't open at least 5 feet.

Increase UP (Open) force by turning the control clockwise. Make 10 degree turn adjustments until door opens completely. Re-adjust the UP limit if necessary. After each adjustment, run the opener sprough a complete trevel cycle.

If the door reverses during the down (close) cycle and the opener lights aren't flashing

Increase DOWN (close) force by turning the control clockwise. Make 10 degree turn adjustments until the door completes a close cycle. After each adjustment, run the opener through a complete travel cycle. Po not increase the force beyond the minimum amount required to close the door.

Adjustment Step 3

Test The Safety Reversing Sensor

- Press the remote control push button to open the door
- Place the opener carton in the path of the door.
- Press the remote control push button to close the door. The door will not make more than an inch, and the opener light(s) will flash.

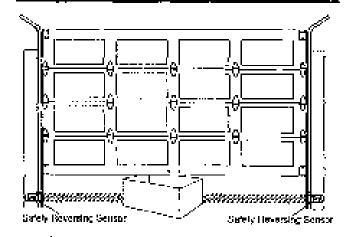
Professional service is required if the opener closes the door when the eafety teversing sensor is obstructed.

The garage door opener will not close from a remote control if the Indicator light in either sensor is off (storting you to the fact that the sensor is misstly test or obstructed).

The gatage door can be closed by pressing and holding the Door Control push button until down travel is completed.



Without a property working safety reversing sensor, persons (particularly children) could be sensors injured or killed if trapped by a closing garage door. Repeat this test once a month.



Adjustment Step 4

Test the Safety Reverse System

Testa

- Place a cony-tech board (or a 2x4 laid flat) on the floor, centered under the garage door.
- Operate the door in the down direction. The door must reverse on striking the obstruction.

Adjustment:

If the door stops on the obstruction, it is not traveling for enough in the down disortion.

- Increase the DOWN limit by turning the DOWN limit adjustment screw counterclockwise 1/4 turn.
- Repeat the test.

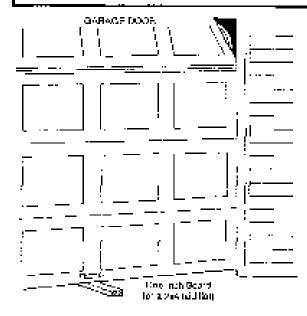
On a sectional door, make sure limit adjustments do not cause the trolley to move within 2-1/2" of the trolley stop bolt. If necessary, lengthen straight door arm to maintain this urinimum distance.

 When the door rewases on the ong-indutesord remove the obstruction and run the opener through
 3 or 4 complete travel cycles to test adjustment.

If the door will not reverse after repeated adjustment attempts, call for professional garage door service.

A WARNING

Failure to test and adjust the safety reverse system may result in serious injury or death to persons trapped by a closing garage door. Repeat this test once a month and adjust as needed.



important safety check

Repost Adjustment Steps 1, 2 and 4 after:

- Each adjustment of door arm length, Toxos controls, or limit centrals.
- Any repair to or adjustment of the garage door (including springs and hardware)
- Any repair to or brickling of the garage floor.
- Any sopair to or adjustment of the openen.

IMPORTANT SAFETY INSTRUCTIONS



MARNING

To reduce the risk of severe injury or death to persons:

- 1. READ AND FOLLOW ALL INSTRUCTIONS.
- 2. Do not permit children either to operate or to play with the opener. Keep remote control in a location inaccessible to children.
- 3. Operate opener only when the door is in full view and free from any obstruction. Keep the door in sight until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
- 4. Check safety reversal system monthly. See page 30. The garage door MUST reverse on contact with a one-inch (or a 2x4 board leid flat) object placed on the floor. If an adjustment, is made to either the force or the limit of travel, both adjustments may be needed and the safety reversal system must be checked. Failure to properly adjust the opener may result in severe injury or death.
- If possible, use the amergoncy release only. when the door is in a closed position. Caution should be taken whenever the disconnect cord. is actuated with the door open. Weak or broken springs may cause the door to fall rapidly, causing injury or death to persons.
- KEEP GARAGE DOORS PROPERLY. BALANCED. See page 3. An improperly balanced door may not reverse when required and could result in severe injury or death. Repairs to cables, spring assemblies and other hardwere must be made by a protessional. garage door person.
- 7. Disconnect the electric power to the carage. door opener before making any repairs or removing the covers.
- 8. SAVE THESE INSTRUCTIONS.

Care of Your Opener

Limit and force adjustment controls

Limit Controls



Adjustmona Label i) unwied on the left side paint()

Force Controls



Arquetment liable (Localed on the right side carry).

Weather conditions may cause some minor changes in door operation requiring some readjustments, particularly during the first year of operation.

Pages 28 and 29 refer to the limit and force. adjustments. Only a screwdriver is required. Follow the instructions carefully,

Repeat the safety reverse test (page 30) after any adjustment of limits or force.

The remote control

The lithium battery should: produce power for up to 5 years. To replace baltery, use the visor allo or screwahiver blade to pry open the case as: shown, (*Open* tocalion is: stamped on back of remote. control case.) Insert battery. positivo side down.

энцикфиция Open this end tex to avoid, rausing (COMPACT Twist here

io apeni

Replace cover as follows, 3-Facebory remote: insert the 3 tabs at the opposite and and snap shut. Compact 3-Function remote: Snap shut along both sides.



Keep batteries awey from synalt children. If ewallowed, promptly notity doctor.

Maintenance Schedule

Once a Month

Manually operate door, If it is unbalanced or binding, call for professional garage door service.

Check to be sure door opens and closes fully. Adjust limits and/or times it necessary. (Sec pages 28 and 29.)

Repeat the safety reverse test. Make any necessary adjustments (See page 20).

Twice a Year

Check chain tension, Disconnect rolley first. Argustid necessary (See page 11),

Once a Year

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

Operation of Your Opener

Activate the opener with any of the following:

- The Remote Control: Hold push button down until the door starts to move.
- The Door Control: Hold push builton down until the door starts to move.
- The Outdoor Key Switch or Keyless Entry: (See Accessories)

When the opener is activated with the safety reversing sensor installed and correctly aligned:

- 1. If open, the door will close. If closed, it will open.
- 2. If closing, the door will reverse.
- 3. If opening, the door will stop (altowing space for entry and exit of pets and for fresh air).
- If the door has been stopped in a partially open position, it will close.
- If obstructed while closing, the door will reverse.
- 6. If obstructed while opening, the door will stop.
- 7. The garage door will reverse in the closing cycle, and the opener lights will blink for 5 seconds, when the invisible beam is broken. If fully open, the door will not close when the beam is broken. The sensor has no offect in the opening cycle.

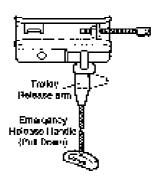
If the sensor is not installed, or is not aligned correctly, the door word close from any remote fransmitter. You can close the door with the Door Control, the Outdoor Key Switch, or Keyless Entry, however, if you activate them until down travel is complete. If you release them too soon, the door will reverse.

The Opener Lights will turn on under the following conditions: When the opener is initially plugged in; when the power is interrupted; when the opener is activated. They will turn off automatically after 4-1/2 minutes or provide constant light when the Light feature on the Premium Control Console is activated. Bulb size is 75 watts maximum.

SECURITY+ models. Lights will also turn on when sumcond walks through the open garage door. With a Premium Control Console, this feature may be turned off as follows: With the opener lights off, press and hold the light hutton for 10 seconds, until the light goes on and off again. To reature this feature, start with the opener lights on, then press and hold the light button for 10 seconds.

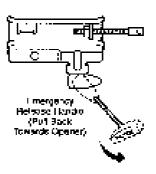


Weak or broken springs could allow an open door to fail (either rapidly or unexpectedly), resulting in serious injury, death or properly damage. If possible, use the emergency release rope and handle only when the door is fully closed.



Manual Oisconnect
Position

To open the door manually: The door. should be fully closed [[possible. Pull down on . the emergency release. handle (so that the ircüey releaso arm. anaps into a vertical. roob arlt ftil bna (nottisag manually. The lockout feature prevents the trolley from reconnecting. automatically, and the door can be raised and lowered manually as offercas neccessary.



To Reconnect

To re-angage the trolley: Pull the emergency refease handle toward the opener at a 45° degree angle so that the trolley release arm is horizontal. The trolley will reconnect on the next UP or DOWN operation, either manually or by pressing the Door Control push button or the remote.

Operation of the Door Controls

(SECURITY+ models: See additional programming features, next page.)

Press the lighted push button to open or close the door. Press again to reverse the door during the closing cycle or to stop the door while it's opening.

Premium Console:

Light Feature – fixess the large round Light bullon. If the opener lights are off, they will harn on, If the opener lights are on, (even in the 4-1/2 minute automatic cycle) they will turn off.

But if you use the Light button to turn the lights an and then activate the opener, the lights will form off after 4-1/2 minutes.

The Light balton will real regular like opener lights when the occurs in profign

Premium Console (cont.):

Lock Feature – The Lock feature is designed to prevent operation of the door from remote controls. However, the door will open and close from the Door Control, the Outdoor Key Switch and the Keyless Entry Accessories.

To Activate: Press and hold the small round Lock botton for 2 seconds. The push button light will flash as long as the Lock feature is on.

To lum off: Presa and half the Lock hatton again for 2 seconds. The push botton light will stop flashing. The Lock teature will also turn off whenever the "SHT" hutton on the opener panel is activated.

Receiver and Remote Control Programming

SECURITY

Your garage door opener receiver and remote control have been pre-set at the factory. The door will open when you press the LARGE remote control push button. The code between the remote control and the receiver changes with each use, randomly accessing over 100 billion new codes.

The 3-tunction remote control can also activate additional SECURITY+ garage door uponers and/or light controls.

Your SECURITY# opener will operate with:

- several SECURITY# remote controls (with blue push buttens) utilizing up to B functions.
- one SECURITY+ Keyless Entry System (Model 139-53684).

Follow the instructions below to program your opener to match any additional remotes you may purchase. See Accessories on page 38.

To Add A Remote Control

If you have a Premium Control Console:

- With the Coor closed, prese and hold a remote control push button. See Figure 1.
- Press and hold the Light button on the door control.
- Press and hold the door control push button.
- After the opener light liashes, release all buttons.

Test by pressing the remote push button.

If you do not have a Premium Control Console:

- 1. Press and bold the selected remote control push button. See Figure 1.
- Then press and release the SRT (learn) hutton on the right panel of the opener, Figure 2. The indicator light on the panel will begin to blink and the opener light will flash once.
- Release the remote push button.

Test by pressing the remote push button,

To Erase Ali Remote Control Codes

Pross and hold the SRT button on the opener panel until the indicator light turns off (about 6 seconds). All remote control codes are now crased. Then follow the steps above to re-program each remote control.

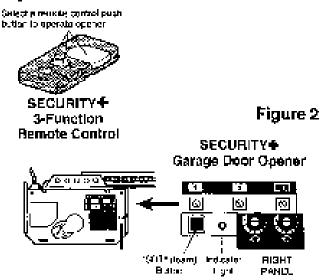
To remote with PCC rules, adjustment of modifications of this received and/or transmitter are prohibited, except for dissipantly the code setting or replaying the battery. THERE ARE ACC CITHER USER SERVICE AND PARTY.



Children operating or playing with a garage door opener can injure themselves or others. The garage door could close and cause serious injury or death. Do not allow children to operate the door push button(s) or remote control(s).

A moving garage door could injure or kill someone under it. Activate the opener only when you can see the door clearly, it is free of obstructions, and is properly adjusted.

Figure 1



To Control the Opener Light (Premium Consoles).

With SECURITY remote controls, a push button can be programmed to operate the opener light without opening the door.

- With the door closed, press and hold the remote button that you want to control the light.
- Press and hold the Light button on the door cheling.
- Press and hold the Lock button on the door control.
- 4. After the opener light flashes, release all buttons.

Test by pressing the remote push button. The opener light should turn on an off but the door should not move.

Having a Problem?

Situation

Probable Cause and Solution

The opener doesn't operate from oither the Door Control or the remote control:

- Does the opener have electric power? Plug a lamp into the autlet, if it doesn't light, check the tuse box or the circuit breaker. (Some outlets are controlled by a door switch.)
- 2. Have you disabled all door locks? Review installation instruction warnings on Page 11.
- Is there a build-up of ice or snow under the door? The door may be frozen to the ground. Remove any restriction.
- The garage door spring may be broken. Have it replaced.
- Repealed operation may have tripped the overload protector in the motor. Wait.
 minutes. Try again.

Opener operates from the remote control, but not from the Door Control:

- Is the Door Control til? If not, remove the bell wire from the opener terminal screws.
 Short the red and white terminals by touching both terminals at the same time with a piece of wire. If the opener runs, check for a faulty wire connection at the Door Control, a short under the steples, or a broken wire.
- 2. Are the wiring connections correct? Review Step 6, page 16.

The door operates from the Door Control, but not from the remote control:

- Is any door push button flashing? If your model has the Lock feature, make sure the lock is Off.
- Your opener needs to re-learn a remote control code. Refer to Instructions on the opener panel.
- Program the receiver to match the remote control code.
- Repeat the receiver programming procedure with all remote controls.

The remote control has short range:

- Change the location of the remote control in your car.
- Check to be sure the entenna on the side or back panel of oponer extends fully downward.
- Some installations may have shorter range due to a metal door, foil backed insulation, or ractal garage siding. (Antenna Extender Kil 41A3504)

Opener noise is disturbing in tiving quarters of home:

If operational noise is a problem because of proximity of the opener to the living quarters, the Vibration Isolator Kit 41A3263 can be installed. This kit was designed to minimize vibration to the house and is easy to installe.

The garage door opens and closes by Itself:

- 1. Be aure that all remote control push buttons ere off.
- Herriove the bell wire from the Door Control terminate and operate from the remote
 control only. If this solves the problem, the Door Control is faulty (replace), or there is
 an intermittent short on the wire between the Door Control and the opener.
- Clear memory and reprogram all remote controls.

The door doesn't open completely:

- 1. Is something abstructing the door? Remove the obstruction or repair the door.
- If the door has been working properly but now doesn't open all the way, Increase the up force. See page 29.
- If door opens at least 5 feet, the travel limits may need to be increased. One turn equals 2 increased travel. See page 28.

Repeat the safety reverse test after the adjustment is complete.

The door stops but doesn't close completely:

Floview the travel limits adjustment procedures on page 28.

Repeat the safety reverse lest after any adjustment of door arm length, close force or down limit.

Having a Problem? (continued)

Situation

Probable Cause & Solution

The door opens but won't close:

- 1. If the opener lights blink, check the safety reversing sonsor. See page 23.
- If the opener lights do not blink and it is a new installation, check the down force.
 See Adjustment Step 2, page 29. For an existing installation, see below.
 Repeat the safety reverse test after the adjustment is complete.

The door reverses for no apparent reason and opener lights don't blink:

- Is something obstructing the door? Pull the red emergency release handle. Operate
 the door manually. If it is unbalanced or blinding, call for professional garage door
 service.
- Clear any ice or snow from the garage floor area where the door closes.
- Review the force adjustment procedures on page 29.
- 4. If door reverses in the tally closed position, decrease the travel limits (page 26).
 Repeat eafety reverse test after adjustments to force or travel limits. The need for occasional adjustment of the force and limit settings is normal. Weather conditions in particular can effect door travel.

The door reverses for no apparent reason and opener lights blink for 5 seconds efter reversing:

Check the satety reversing sensor. Remove any obstruction or align the receiving eye. See page 23.

The opener lights:

.... don't turn on:

Heplace the light bulbs (75 walls maximum). Use a standard neck garage door opener bulb it regular bulb burns out.

.... don't turn off:

Is the Light feature on? Turn it off.

The opener strains or maximum lorce is needed to operate door:

The door may be out of halance or the springs are broken. Close the door and use the emergency release to discornect the trolley. Open and close the door manually. A properly balanced door will stay in any point of travel while being supported entirely by its springs. If it does not, discorrect the opener and call a professional garage door servicement. Po not increase the force to opener the opener.

The opener motor hums briefly, then won't work:

- The garage door springs are broken. See above.
- 2. If the problem occurs on the first operation of the operar, door may be locked. Disable the door look, if the chain was removed and reinstalled, the motor may be out of phase. Remove the chain: cycle the motor to the down position. Observe the drive sprocket. When it turns in a clockwise direction and stops in the down position, reinstall the chain. Repeat the safety reverse test after the adjustment is complete.

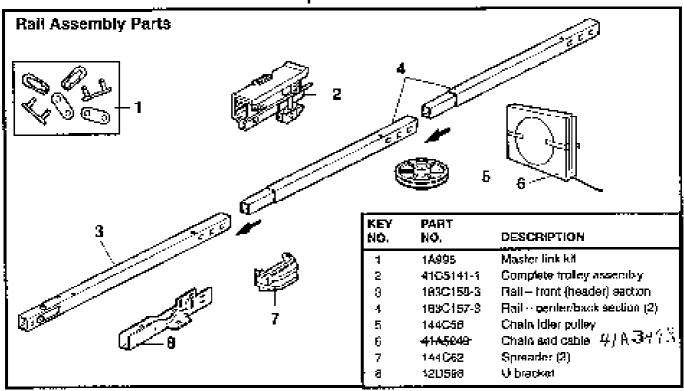
The opener won't operate due to power failure:

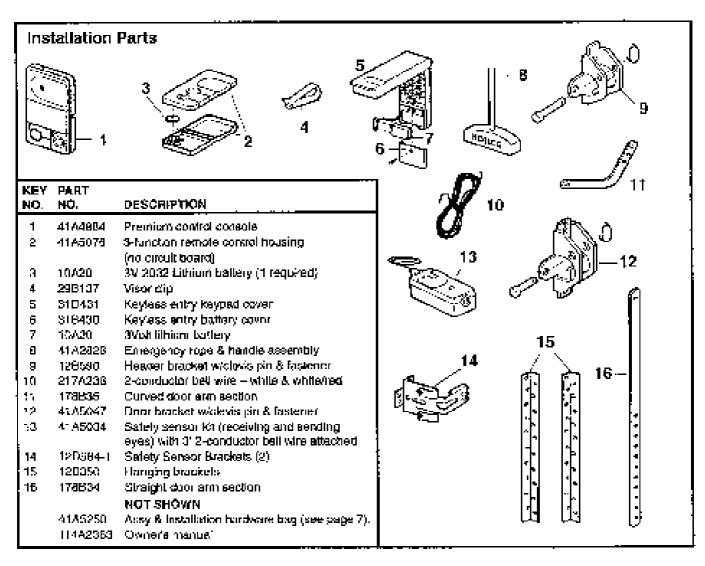
- Use the emergency release to disconnect the trollay. The door can be opened and doesd
 manually. When the power is restored, press the Door Control push button and brolley will
 automatically reconnect (unless bolley is in lockout position.) See page 32.
- 2. The Emergency Key Release accessory (for use on garages with no service door) disconnects the trolley from outside the garage in case of power failure.

The chain droops or sags:

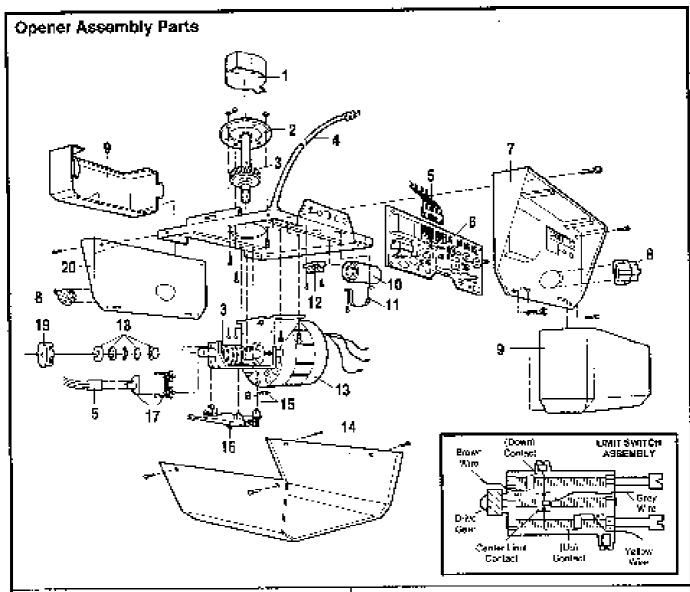
It is normal for the chain to droop slightly in the closed door position. Use the concruoncy release to disconnect the trolley. If the chair, returns to normal height when the trolley is discongaged and the door reverses on a one-loch board, no adjustments are needed (see page 11).

Repair Parts





Repair Parts



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	31 0380	Sprouket cover	9	108D46-2	Lens
9	41C4223A	Gear and sprocket assembly	10	308363	Capacitor - 1/2HP
Ē		Complete with:	11	12A373	Capacitor bracket
		Spring wesher	12	41 A315 0	Tarminal ixack w/screws
		Threst washer Relaining fing Bearing plate Roll pins (2) Uriye gear and worn gear	13	41D3058	Universal replacement motor & bracket assembly Complete with: Motor, worm, bracket, bestring assembly. RPM sensor
١. ا	44 4 10-74 7	Helical gear wirelainer and grease	14	410328-7	Cover
а	41A2017	DriveNvorm gear kit w/grouse सर्वा pins (2)	15	41A281B	Helical genr & rolainer Wigraese
4	4184245	Line rand	16	4103452	Limit switch assembly
, ,	410/4250	Whe hames assembly while	17	41/C4398A	ΠΡΜ sansor assen/bly
1 6	41A5021-2E	Receiver logic board assembly	14.	41A2B26	Shaft bearing lut
1 - '	417120421 222	Complete with:	10	41A2828A	Interrupter cup assembly
		Logic board	20	4144352	Endipane:
7 8	41 A4351 175888	End panel with labels End panel with labels Light scattel		41/2825	NOT SHOWN Opener assembly hardware kit (includes sorows not designated by a number in illustration).

Accessories

Sears offers many useful accessories for your garage door opener. They are illustrated below with Sears model numbers and descriptions.						
139.53702	Emergency Key Release Required for a garage with NO access door. Enables homeowner to open garage door manually from outside by disangaging trolley.	139.53681	SECURITY+ 3-Function Remote Control Includes visor clip.			
139.53703	Outdoor Key Switch Operates the garage door automatically from outside when remote control is not handy.	139.53680	SECURITY Compact 3-Function Remote Control: With loop for attaching key ring.			
53724	8 Fool Pall Extension To allow an 8 foot door to open fully.	130.53664	SECURITY+ Keyless Entry Enables homeowner to operate garage door openar from outside by entering a password. Also can add a temporary password for visitors or service persons. This temporary password can be limited to a programmable number of hours or entries.			
53725	10 Foot Refl Extension To slow a 10 foot door to open fully.	139.53687	Premium Control Console Provides a lock feature to prevent operation of garage door from portable remotes. A light feature controls the opener lights. Can be used to program the opener to accept additional remotes.			
53589	Support Bracketa For fielshed cealings or where additional support is required, based on garage construction, includes brackets and fastening hardware.	139.53686	Plug-in Light Control Enables homeowner to lurn on a lamp, television or other applience from car, bedside, or anywhere in the hume with a remote.			
41 A5201	Extension Brackets (Available only through Sears Parts & Servics) (Optional) For safety sensor installation cate the wall or floor.	139.53709	Door Clearance Brackets (For Sectional Doors Only) Replaces top brackets and rollers on door to reduce height of door travel. For use when installing opener in garage with low headroom clearance.			

To Add the Keyless Entry

We recommend that you program your password before you install the Keyless Entry. You will not need assistance, and you can test the reception at the mounting location before installation.

If you have a Premium Control Console:

- With the door closed, press the foundigit password. Upsired, then press and hold Enter.
- 2. Press and hold the light hulton on the (loor control,
- Press and hold the door control push bar.
- 4. After the opener light flashes, release all hottons,

If you do not have a Premium Control Console:

- Choose a 4-digit password using numbers from 0 to 9 (a number can be used more than once, for example, 4, 0, 4, 1).
- Press the four buttons for the password, then
 press and finite five Enter button. The Indicator light
 on the door opener panel will blink.
- Press and release the SRT (learn) button on the opener panel. After the opener light flashes, release the Enter button.

Treat by pressing the password, then press Enter. The door should begin to move.

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Call 24 hours a day, 7 days a week

1-800-488-1222

For information on purchasing a Sears Maintenance Agreement or to inquire about an existing Agreement:

Call 9 am - 5 pm, Monday ~ Saturday

1-800-827-6655



The Service Side of Sears*

<u>ලිට්සිල්ලීලටට සිදුලුවල් දිදුලුවල් සිදුල්ද්රීර්ට ශ්රීට කතන නෙන නොවන සහසා සහසා සහසා සහසා නෙන නොවන නොවන සහසා කට ග</u>

SEARS WARRANTY

FULL SO-DAY WARRANTY ON GARAGE DOOR OPENER

For 90 days from the date of surchase. Seem will repair this Barago Boor Doener, free oil charge, if defective in material or workmaniship.

LIMITED WARHARTY

From the 91st day out I one year from the date of purchase, Beers will turn an replacement parts for any defeative parts free of charge... You pay for taken.

LIMITED WARRANTY ON MOTOR

1/2HP MOTOR: After 1 year and Iteration 5 years, if the motor on this Garage Door Opener is defective, Sears will furnish a replacement motor, lies of charge. You pay for tabor.

LIMITATION ON LIABILITY

SEARS WILL NOT BE LIABLE FOR LOSS OR DAMAGE TO PROPERTY OR ANY INCIDENTAL OR CONSEQUENTIAL LOSS OR EXPENSE FROM PROPERTY DAMAGE CUE DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT. Some states do not allow the exclusion or invitation of excitental or consequential damages, so the association of exclusion may not apply to you. This warrunty does not cover light bulbs or repair parts necessary because of speciator abuse or regigence, including the failure to install, adjust early speciate data garage door opener according to installing on the owners manual.

WARRANTY SERVICE IS AVAILABLE BY SIMPLY CONTACTING THE NEAREST SEARS CENTER/DEPARTMENT IN THE LINITED STATES.

This warranty applies only while this product is in use in the Helleri States.

This warranty gives you specific legs higher, and you may also have other rights which vary from state to state.

Sears, Rosbuck and Co., Dept. 61737A, Hoffman Estates, ft. 60179