

ZAREBA[®]

AUTOMATIC GATE OPENER



INSTALLATION MANUAL

Model G752
For Double Gates

GATE OPENER CLASS CATEGORIES*

The Zareba Automatic Gate Opener is intended for use with vehicular swing gates. The opener can be used in Class I, Class II, Class III and Class IV applications.

Residential Vehicular Gate Opener—Class I: A vehicular gate opener (or system) intended for use in a home of one-to-four single family dwelling, or a garage or parking area associated therewith.

Commercial/General Access Vehicular Gate Opener—Class II: A vehicular gate opener (or system) intended for use in a commercial location or building such as a multifamily housing unit (five or more single family units), hotel, garages, retail store or other building servicing the general public.

Industrial/Limited Access Vehicular Gate Opener—Class III: A vehicular gate opener (or system) intended for use in an industrial location or building such as a factory or loading dock area or other locations not intended to service the general public.

Restricted Access Vehicular Gate Opener—Class IV: A vehicular gate opener (or system) intended for use in a guarded industrial location or building such as an airport security area or other restricted access locations not servicing the general public, in which unauthorized access is prevented via supervision by security personnel.

*Categories established by Underwriters Laboratories for vehicle gate operators (openers).

FOR YOUR RECORDS

Please record the serial number (found on the control box cover) and purchase information below. Keep this with your proof of purchase (receipts) in case your product is lost, stolen or requires service.

Serial number: _____

Purchase date: _____

Retailer/store name: _____

Location of purchase: City _____ State _____

READ THIS FIRST

Warning: Before installing your Zareba Automatic Gate Opener (sometimes also referred to as the "Product"), read this entire Installation Manual for information about Product safety matters and proper use of the Product. Only use the Product for the purpose of a vehicular fence gate.

WARNING OF RISKS, PURCHASER'S RESPONSIBILITIES, AND ASSUMPTION OF CERTAIN RISKS:

The directions for installation and use of the Product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of the Product. The effectiveness of the Zareba Automatic Gate Opener depends on proper installation and the manner of use or application, all of which are beyond the control of Zareba Systems or the seller. All such risks are assumed by the purchaser by the purchaser's installation and use of the Product.

The Zareba Automatic Gate Opener is for use on vehicular fence gates only. The Product meets or exceeds the requirements of UL 325, the standard that regulates gate opener safety, as established and made effective March 14, 2003, by Underwriters Laboratories, Inc.

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AN INTRODUCTION TO AUTOMATIC GATE OPENERS

Thank you for purchasing the Zareba Automatic Gate Opener.

Your Zareba Automatic Gate Opener is designed for years of trouble free performance. It will provide you with a comfortable, safe, hassle-free way to access your property.

The Zareba Automatic Gate Opener is designed to work on single or dual swing gates. Each individual gate can be up to 16 feet long and weigh up to 750 pounds. Your gate opener will work on a variety of gate types such as iron, tubular, chain link, vinyl, etc. It is not recommended to use an automatic gate opener on a solid fence due to wind resistance. Depending on the strength of the wind and the obstruction sensing, your gate may not operate properly.

Your Zareba Automatic Gate Opener can be opened and closed in a variety of ways. Primarily, you will use your remote transmitter (included with your unit) to open or close the gate. However, the gate can also be opened with a hardwired button, an automatic vehicle sensor, a keypad, or built-in vehicle transmitter systems. These accessories are discussed later in this manual. The gate can also be closed with the hardwired button or keypad. In addition it can be closed automatically using a time delay that is set in the control box.

Your Zareba Automatic Gate Opener is designed to provide for safe operation. One of the most important features of your gate opener is obstruction sensing. Your gate opener includes an adjustment for setting the sensitivity of the obstruction performance. When there is an obstruction that prevents the gate from opening or closing, the gate will immediately stop and reverse direction. If the obstruction is removed the gate may be activated to continue its path from where it stopped. If the obstruction is not removed, the gate opener will sound an alarm and will not operate again until the gate opener system is reset.

There are a number of accessories that can be installed with your gate opener that maximize your benefit to owning the system. The accessories include additional transmitters, keypad, pin lock, solar panel, in-ground vehicle sensor, and others. Please see the List of Accessories at end of this manual.

You may obtain additional copies of this manual from our web site at www.zarebasystems.com, or contact Zareba Systems at: 906 5th Ave. E, Ellendale, MN 56026, 1-800-272-9877.

IMPORTANT SAFETY INFORMATION

General Safety Information

Vehicular gates are large heavy objects. Automatic gate openers provide a convenient way to open and close the gates. Since the gate system and its components exert a high level of force to open and close the gate, they can be dangerous, causing severe injuries and death to you and others.

Your safety and the safety of others depend on the owner and users of this system to read, understand, and follow the information and instructions in this manual. Save this safety information for future use.

Safety overview checklist

WARNING – To reduce the risk of injury or death:

- Use this operator with single or double swing gates.
- **READ AND FOLLOW ALL INSTRUCTIONS.**
- Never let children operate or play with gate controls. Keep the remote control away from children.
- Always keep people and objects away from the gate. **NO ONE SHOULD CROSS THE PATH OF THE MOVING GATE.**
- Test the gate operator monthly. The gate **MUST** reverse on contact with a rigid object or stop when an object activates the non-contact sensors. After adjusting the force or the limit of travel, retest the gate operator. Failure to adjust and retest the gate operator properly can increase the risk of injury or death.
- **KEEP GATES PROPERLY MAINTAINED.** Read the owner's manual. Have a qualified service person make repairs to gate hardware if needed.
- The entrance is for vehicles only. Pedestrians must use a separate entrance.
- **SAVE THESE INSTRUCTIONS**
- Remember that the Zareba Automatic Gate Opener must only be installed on gate systems meeting the requirements of the application.
- Ensure that you are using the correct opener for the type and size of gate, its frequency of use and the class rating.

- Ensure that the gate and gate opener installation comply with applicable local codes.
- Contact local fire and law enforcement to arrange emergency access procedures.
- Keep people, animals, and property away from the gate area. Do not let children play in or near the gate area.
- Use caution with moving parts to avoid injuring fingers or hands.
- Consider installing contact sensors, or non-contact sensors to provide additional safety and protection against entrapment.
- Never activate your gate opener until you ensure that the area is clear of people, pets, or other obstructions. Watch the gate until it stops.
- Do not drive forward until the gate stops completely.

Protection Against Entrapment

Important! Study Figures 1 and 2, and keep safety foremost at all times.

Entrapment areas for a proper pull-to-open installation

Entrapment Area 1

Hinged edge of the gate and the fence post

Entrapment Area 2

Between the ends of the two gates

Entrapment Area 3

The path of the gate

Entrapment Area 4

The space between the gate in the open position and any object such as a wall, fence, tree, etc.

Entrapment Area 5

Pinch points between the opener and gate or post

Figure 1

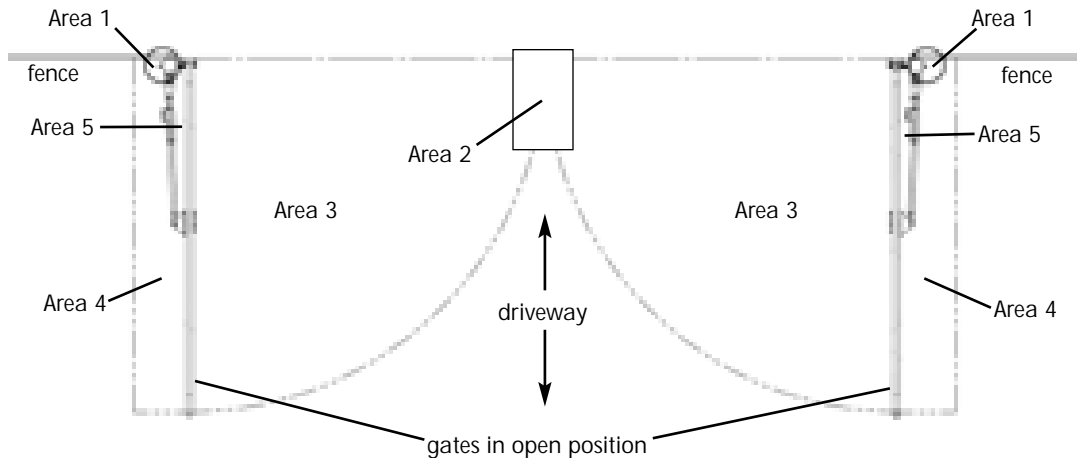
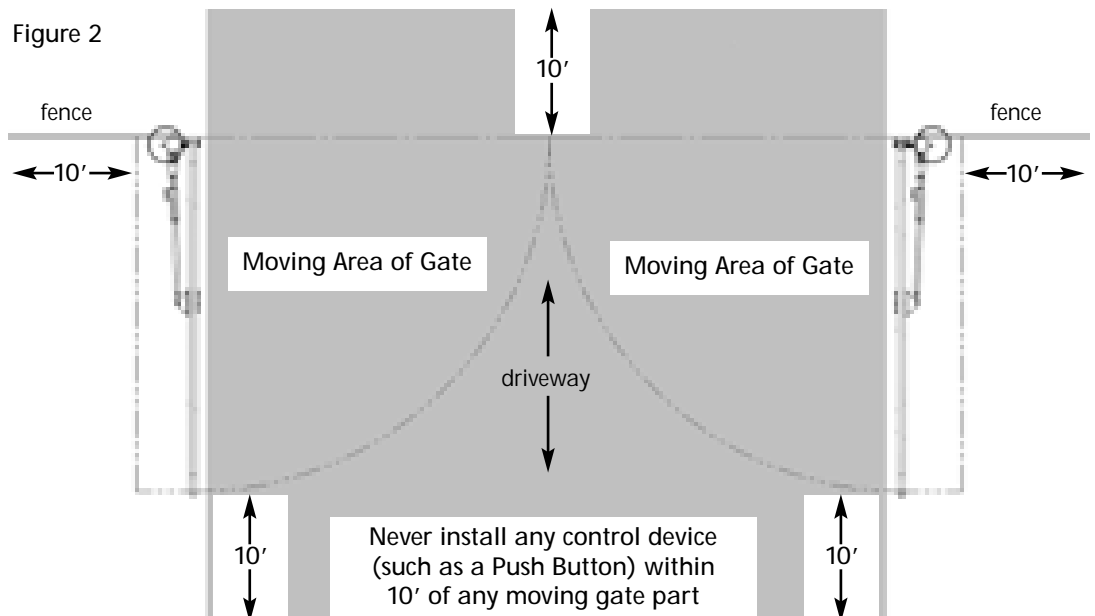


Figure 2



Protection Against Entrapment

The Zareba Automatic Gate Opener is designed to comply with UL 325, the safety standard covering automatic gate opening systems. UL 325 requires that gate opening systems have provisions for, or be supplied with, at least one independent primary and one independent secondary means of protection against entrapment. The primary means of entrapment protection in the Zareba Automatic Gate Opener is Type A, an inherent means of entrapment protection. The secondary means of entrapment protection in the Zareba Automatic Gate Opener is Type B2, the provision for the connection of a contact sensor (edge sensor).

The gate opener's built-in means of entrapment protection (Type A) may not be sensitive enough to prevent bodily injury in some circumstances. Secondary means of entrapment protection (Type B2), such as contact (safety edge) sensors are suggested for enhanced safety. See page 10 for important information on additional safety devices.

Entrapment Alarm

(UL 325; 30.1)

In compliance with UL 325 the Zareba Automatic Gate Opener is designed to stop and reverse direction within two seconds of sensing an obstruction. In addition, the Zareba opener activates an audible alarm if the unit incurs an obstruction twice while opening or closing. This alarm sounds for five minutes, or until the opener receives a renewed, intended input from a hardwired control such as the Push Button Control. At that point the gate returns to a fully open or fully closed position. Turning the power switch on the control box OFF and back ON also deactivates the alarm.

Warning Signs and Labels

Required Safety Precautions for Gates

WARNING SIGNS alert people of automatic gate operation. They are **required** when installing the Zareba Automatic Gate Opener. If pedestrians will be in the area, install a walk-through gate for their use.

Warning Signs

The warning signs (fig. 3) must be installed on both sides of the gate.

These warning signs and labels (fig. 4-5) must appear at the locations specified below. If any were missing when the gate opener was purchased, immediately contact Zareba Systems for replacements.

Figure 3

Warning signs (two enclosed) to be installed on each side of the gate (three to five feet above the bottom of the gate)

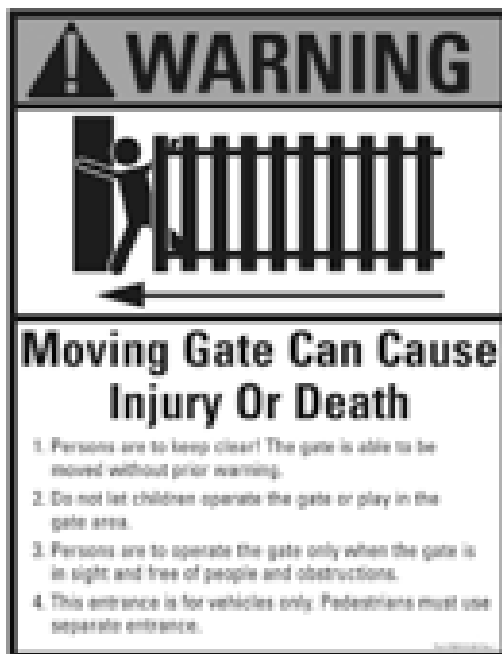


Figure 4

Product identification and manual operation instruction label installed on control box cover



Figure 5

Warning labels, one on each side of gate opener arm



Additional Safety Devices

The Zareba Automatic Gate Opener features built-in obstruction sensitivity. The opener is designed to stop and reverse the gate within two seconds of contact with an obstruction. However, the gate opener's built-in obstruction settings, even when properly adjusted, may not be sensitive enough to prevent injury in some circumstances. See page 26 for more information.

Safety devices, such as contact (safety edge) sensors or non-contact (photoelectric) sensors, that stop and reverse gate direction upon sensing an obstruction are suggested for additional protection.

Zareba Systems recommends using additional safety devices. Be sure to use products that are certified and that comply with applicable UL standards and national and regional safety codes. Call Zareba Systems at 1-800-272-9877 for information on compatible products for your application.

Important: In all cases, review the safety-device manufacturer's instructions for information on installing these devices on a vehicular gate.

Contact Sensors (safety edges)

Contact sensors are also referred to as "safety edges." Activating a properly installed contact sensor while the gate is moving causes the gate to stop and reverse within two seconds.

Contact sensors must be mounted in compliance with UL 325, the Underwriters Laboratories safety standard for gate openers (see fig. 6).



Turn off the power switch to the openers (actuators) before connecting safety device wiring to the terminal blocks. Unplugging the transformer does not turn off power to the openers.

Contact Sensor Input Connection (fig. 7)
Connect one of the **OPEN EDGE** contact sensor wires to the **COMMON (COM)** terminal and the other to the **OPEN EDGE** terminal on the gate opener control board. Connect one of the **CLOSE EDGE** contact sensor wires to the **COMMON (COM)** terminal and the other to the **CLOSE EDGE** terminal on the gate opener control board.

Figure 7

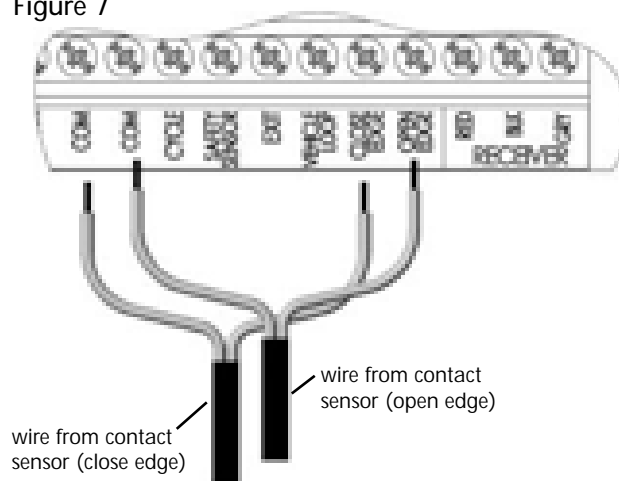
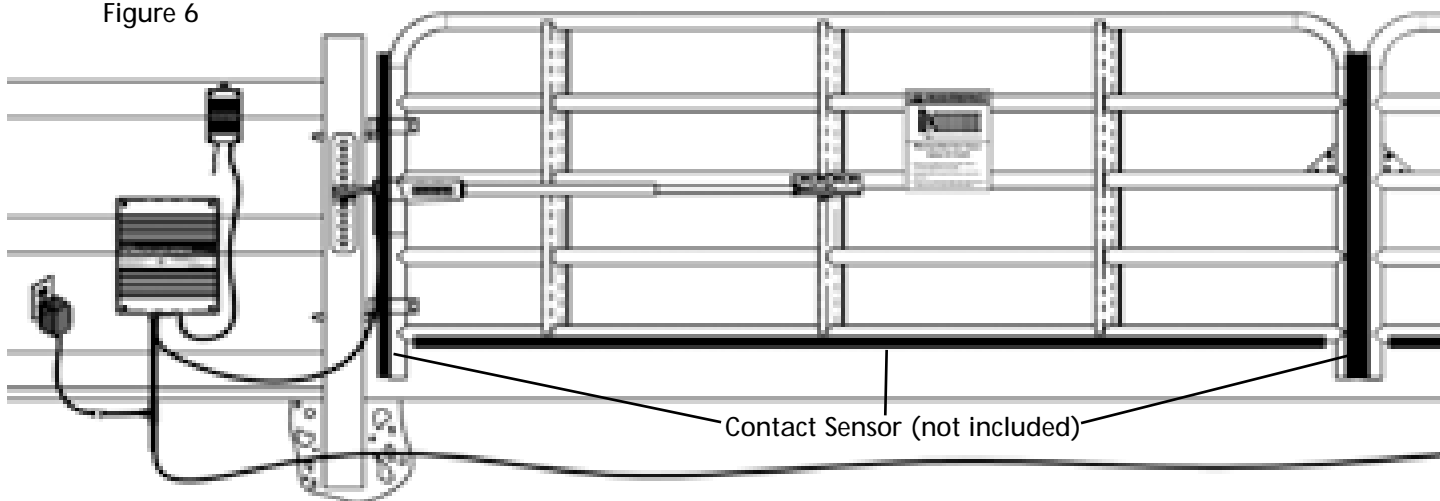


Figure 6

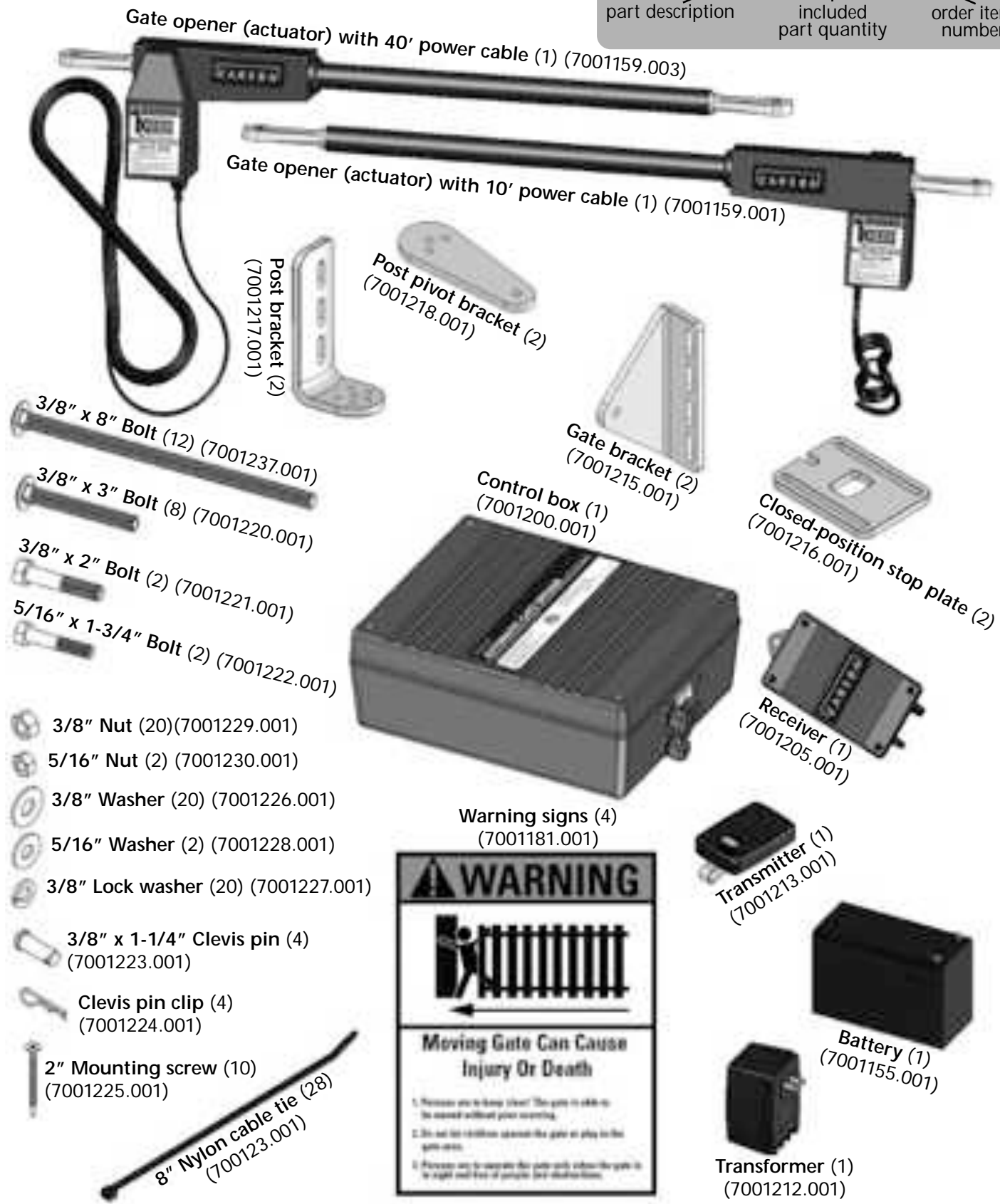


AUTOMATIC GATE OPENER • Installation Manual

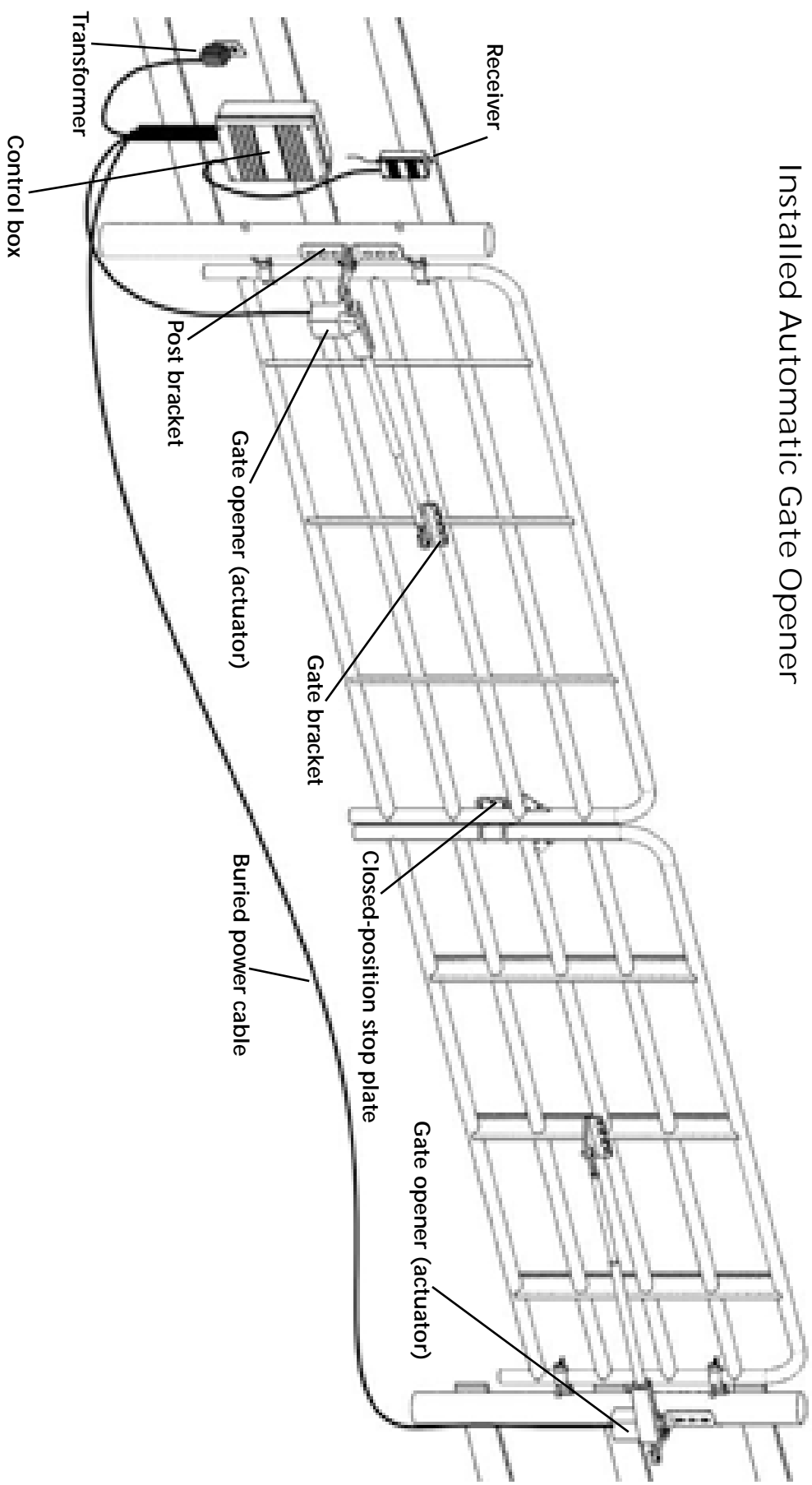
Figure 9

HOW TO READ PART LABELS:
Post bracket (2) (7001217.001)

part description included part quantity order item number



Installed Automatic Gate Opener



Technical Specifications

System Power

- The system is powered by a 12 VDC, 7.2 Ah, sealed, rechargeable lead-acid battery.
- The battery is charged by a 120 to 18 VAC step-down transformer which supplies power to an integrated 1 amp charger on the Zareba gate opener control board.
- The control board is protected by one 15 amp blade-style fuse.
- Optional Zareba Solar Panel for charging battery. The solar panel provides voltage, current, and power of 16.5 VDC, .300 amps, and 5 watts of power, respectively.

Voltage Ratings

18 VAC Transformer: 18.0 to 22.0 VAC

5 W Solar panel (single): 16.5 to 22.0 VDC 300 mA

12 V Battery: 12.0 to 13.5 VDC 7.2 Ah

Charging circuit: 12.0 to 14.8 VDC

Gate Drive

- Linear actuator temperature range: -30°F to 120°F (-34°C to 49°C).
- Powered by a 24 VDC motor.
- Load capacity up to 2000N.
- Maximum opening arc of 130°. Approximate opening time (90°): 20 seconds, depending on weight of gate.

Gate Control Panel

- Gate opener's microprocessor-based control board is factory set for single or dual, pull-to-open gate installations.
- DIP switches can be adjusted for dual or push-to-open gates to facilitate gate opener set-up.
- Remote-mounted RF receiver tuned to 318 MHz.

- Opener length with push-pull tube fully retracted is 35.5 inches.
- Adjustable auto-close timer (OFF to 120 seconds) and obstruction sensitivity.
- Provisions made for digital keypads, push-to-open/push-to-close buttons, contact (safety edge) sensors, and non-contact (photoelectric) sensors.
- Audible entrapment alarm.

Operational Capacity

- The Gate Capacity Chart shows the approximate cycles per day you can expect when the battery is being charged with transformer and AC power.

Important Gate Information!

Inspect the gate to ensure that it is in proper condition for the installation of the gate opener. Take steps as necessary to meet these requirements.

The following criteria MUST be met prior to installation:

- The gate is plumb, level, and swings freely on its hinges.
- No wheels are attached to the gate.
- The gate moves throughout its arc without binding or dragging on the ground.
- Gates weighing more than 250 lbs. use ball-bearing hinges with grease fittings.
- The fence post is secured in the ground with concrete to minimize twist or flex when the opener is activated.
- If your gate lacks a horizontal or vertical cross member, add one to provide a stable area for mounting the gate bracket.

One Cycle = one open + one close		Gate Capacity Chart									
		Estimated number of daily cycles, based on use with a transformer and one 12-Volt battery									
Gate Length	16 ft	160	152	145	137	130	122	115	107	100	
	14 ft	165	157	150	142	135	127	120	112	105	
	12 ft	170	162	155	147	140	132	125	117	110	
	10 ft	175	167	160	152	145	137	130	122	115	
	4-8 ft	180	172	165	157	150	142	135	127	120	
		50 lb	100 lb	200 lb	300 lb	400 lb	500 lb	600 lb	700 lb	800 lb	
		Gate Weight									

INSTALLATION

Overview

This section begins with installation instructions for gates that open into the property or “pull-to-open” gates.

To mount the opener on a brick, masonry, or rock column, refer to page 24.

If you have a push-to-open gate, you must use a push-to-open bracket (sold separately). See Push-to-Open Installation on page 22.

For any installation, having another person assist the installer is helpful.

Bracket Mounting

The proper position of the mounting brackets is crucial to the efficiency and leverage of the gate opener. The distance between the gate opener (actuator) and the gate is also determined by the proper position of the mounting brackets.

NOTE: Ensure a minimum 2” space exists between the gate and the gate opener (actuator) for safety reasons.

The curved design of the post brackets accommodates either round or square posts. When mounting the post brackets (see fig. 10), use bolts long enough to pass through the entire post. When mounting the post brackets to wooden posts, use a larger-size washer or metal plate between the bolts and the wood post to ensure the stability of the fastening hardware when thrust is applied.

If you are using gate posts smaller than 6” diameter or square, they should be (1) made of metal, and (2) set in cement to ensure the stability of the post.

Gate Reinforcement Methods (fig. 11)

IMPORTANT: Use wood or metal reinforcement plates or pipes (not included) when mounting the gate bracket to thin-walled tube gates or panel gates.

Identify the Correct Mounting Positions of the Gate Bracket and the Post Mount Bracket Assembly

This section presents instructions for identifying the correct mounting position of the gate bracket and the post mount bracket assemblies for pull-to-open gates. For push-to-open gates, see Push-to-Open Installation on page 22.

Step 1 (fig. 12)

Assemble both the post mount bracket assemblies by placing the post pivot bracket between the two post mount brackets. Insert the 3/8” x 2” hex bolt through the center hole of the two post mount brackets and the post pivot bracket. Place a 3/8” washer, a 3/8” lock washer, and a 3/8” hex nut on the bottom of the 3/8” x 2” hex bolt and hand tighten.

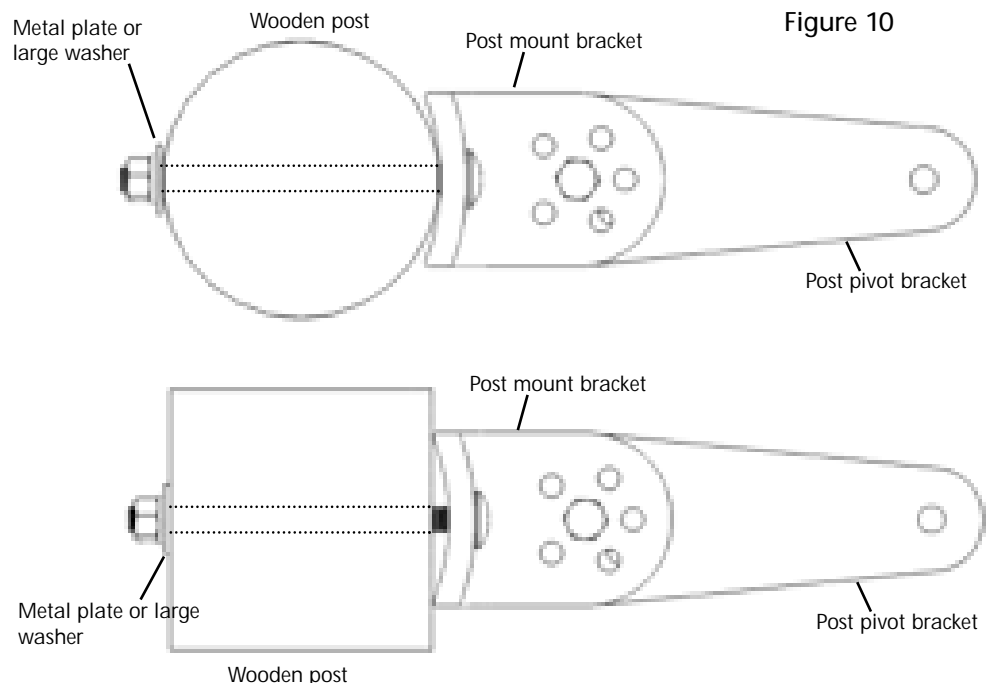


Figure 10

Figure 11

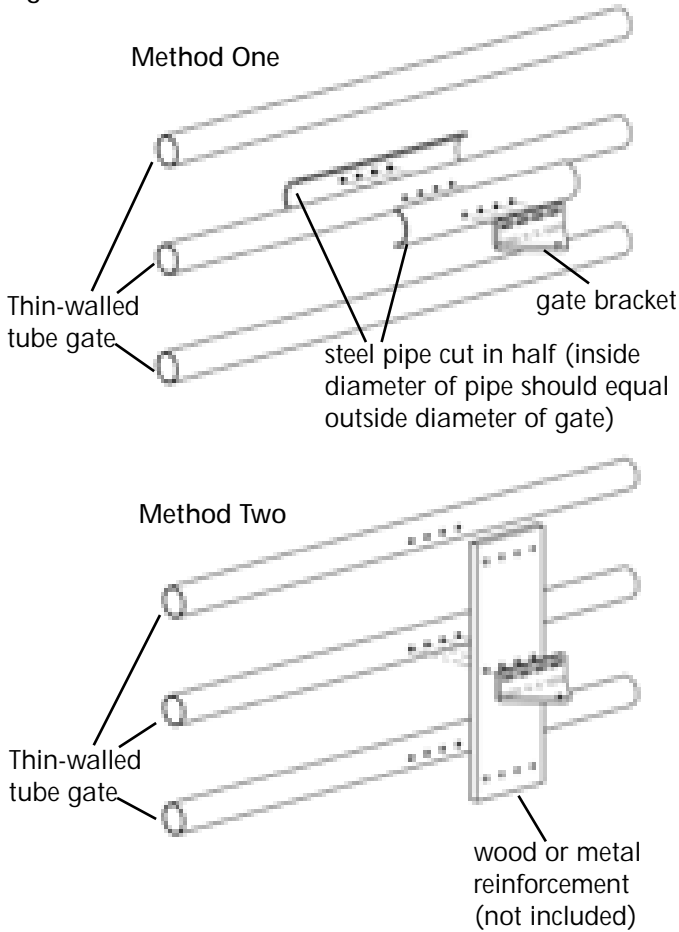
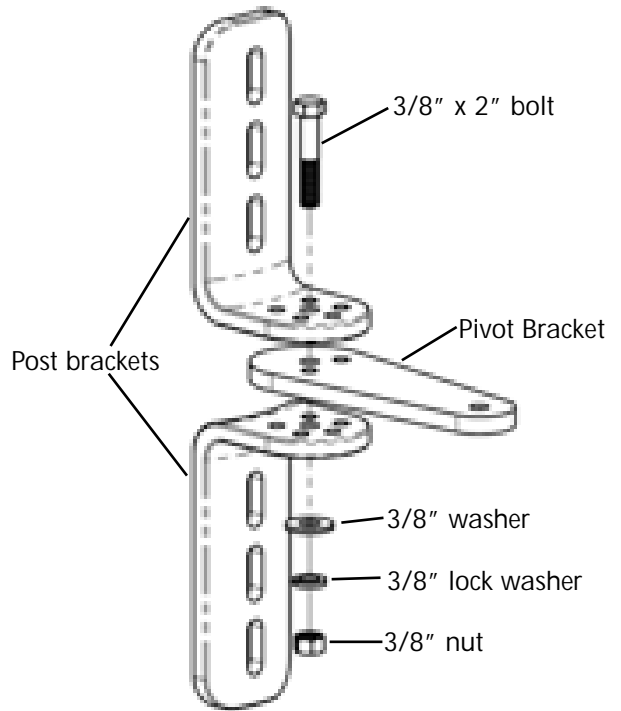


Figure 12



Step 2 (fig. 13a & 13b)

NOTE: Gate openers (actuators) should be in the retracted or closed position before attaching the gate bracket and the post mount bracket assembly.

Attach the gate bracket and the post mount bracket assembly to the gate openers (actuators) by inserting a clevis pins through the holes in the gate brackets and the post pivot brackets and the clevis at each end of the gate openers (actuators). Secure the clevis pins using the clevis pin clips.

Figure 13a

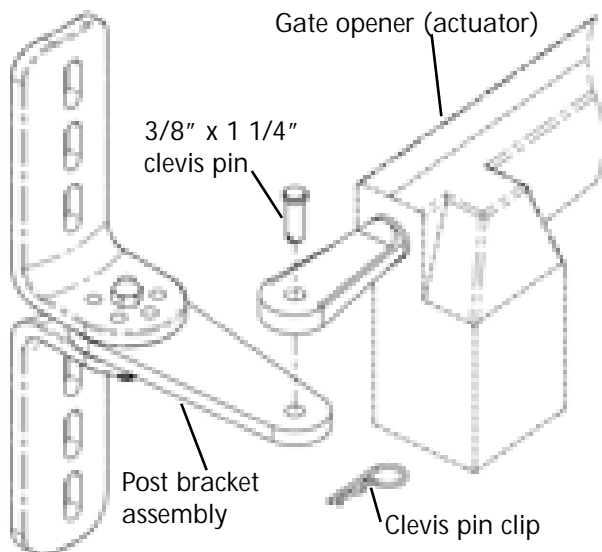
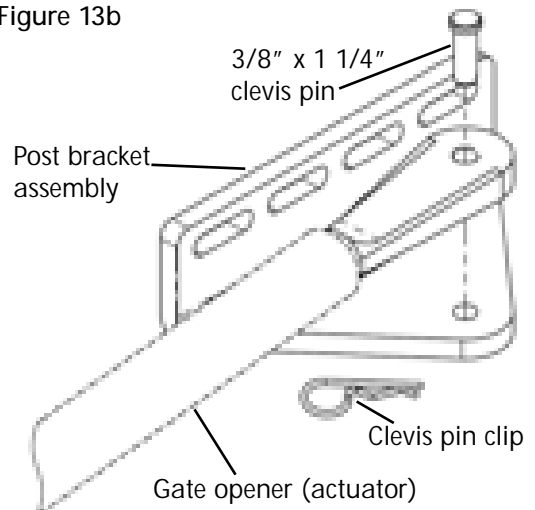


Figure 13b



Step 3 (fig. 14)

With the gates in their desired open positions (from 0° to 130° from the gate's closed position) and with the gate openers (actuators) in their retracted (closed) positions, place the gate opener (actuator) with the gate bracket and post mount bracket assembly on to the gate post and the gate. Position the gate bracket and the post mount bracket assembly so that the gate opener (actuator) is level with the horizontal cross member of the gate.

Tip: Locate the gate opener (actuator) in approximately the middle between the top and bottom of the gate. This will prevent the gate from twisting and flexing. While holding the gate opener (actuator) in the desired level position, temporarily secure with two C-clamps. Use one C-clamp to temporarily secure the gate bracket to the gate. Use the other C-clamp to temporarily fasten the post mount bracket assembly to the gate post.

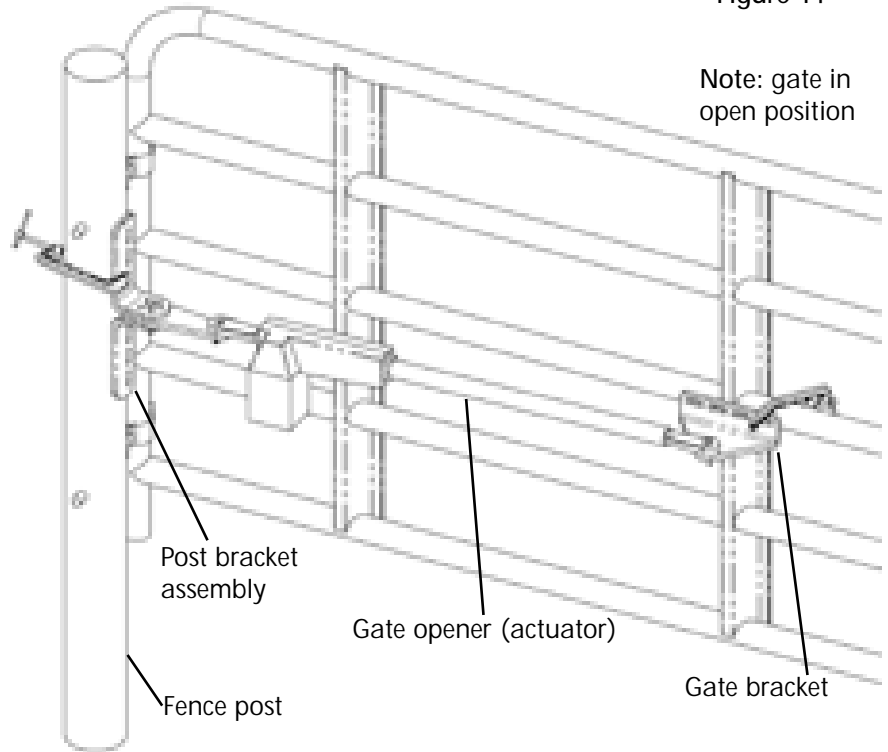


Figure 14

Note: gate in open position

Step 4 (fig. 15)

Determine the optimum position of the pivot bracket on the post mount bracket assembly by ensuring a minimum 2" clearance exists between the gate and the gate opener (actuator) in both the gate-open and gate-closed positions. To ensure the 2" clearance minimum is maintained in the gate-closed position, remove the clevis pin from the gate bracket while holding the gate opener; then close the gate. Move the gate opener (actuator) so the gate bracket and the gate opener are aligned.

NOTE: Ensure the gate opener (actuator) and the pivot bracket do not bind in the gate-open and gate-closed positions.

If the proper clearance cannot be achieved, turn over the pivot bracket and try a different alignment position. You may also move the post pivot bracket assembly slightly to the right or left to obtain the proper clearances.

After you've identified the desired position of the pivot bracket, place the 5/16" x 1" hex bolt into the desired pivot hole on the post mount bracket.

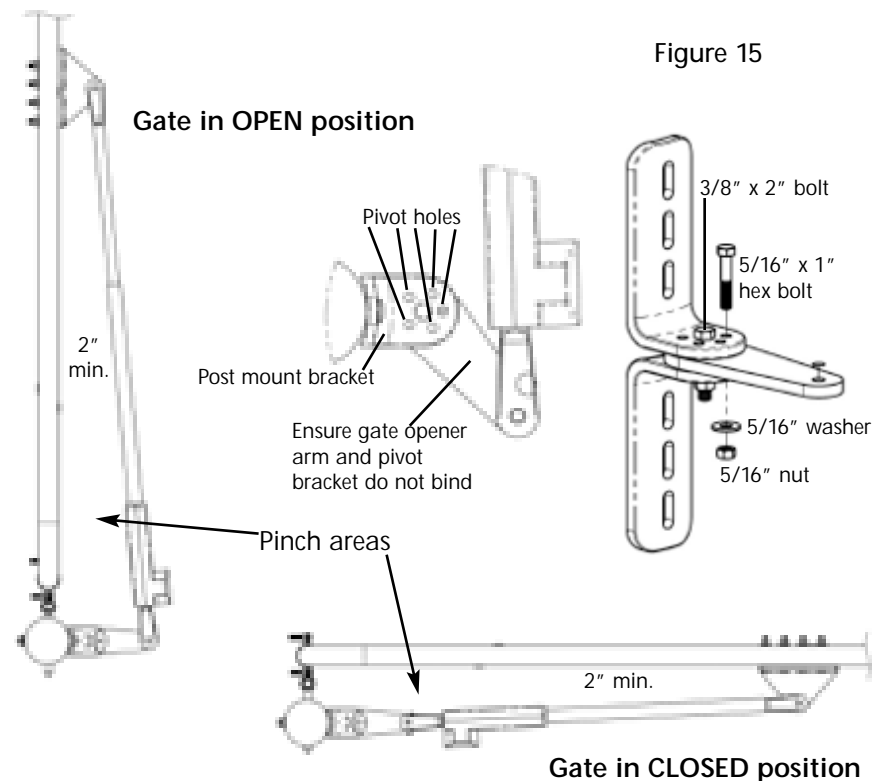


Figure 15

Secure the Gate Bracket and the Post Mount Bracket Assembly to the Gate and the Gate Post

Step 5

Mark the bolt-hole locations on the gate and the gate post. Do this by placing a punch or a mark in the middle of each bolt slot on the gate bracket and the post mount bracket assemblies. (Marking the bolt-hole locations in the middle of each bolt slot permits slight adjustments to the mounting brackets.)

Once you have marked the bolt-hole locations on the gate and the gate post, remove the gate bracket and the post mount bracket assembly by taking off the C-clamps.

Step 6 (fig. 16)

Using a drill and a 3/8" bit, drill holes through the gate post and the gate at the marked bolt-hole locations.

NOTE: When drilling holes into the gate post and the gate, keep the drill level and ensure the holes come out at 180° on the other side.

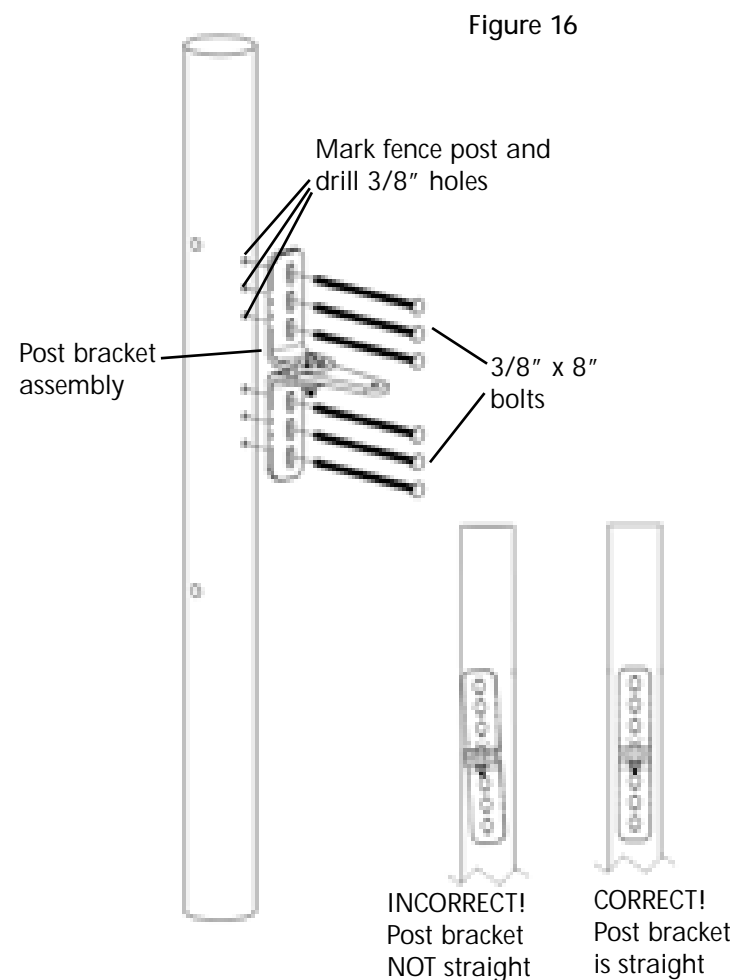
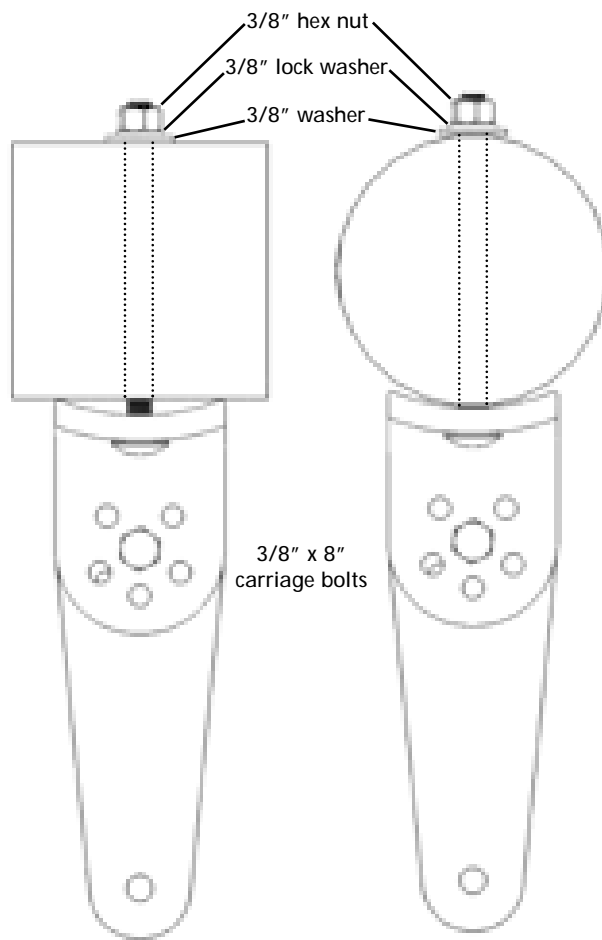


Figure 16

Step 7 (fig. 17)

Attach the post mount bracket assemblies to the gate posts by inserting six 3/8" x 8" carriage bolts through each post mount bracket assembly and the drilled holes in the gate post. Fasten each carriage bolt with one 3/8" washer, one 3/8" lock washer, and one 3/8" hex nut.

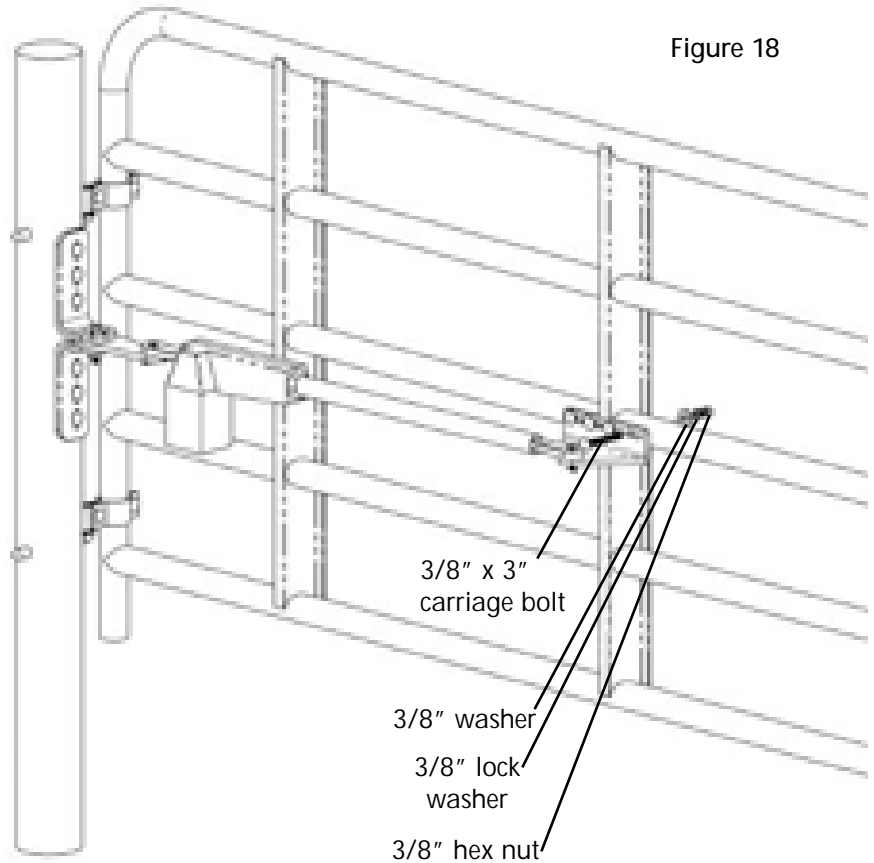
Figure 17



Step 8 (fig. 18)

Attach the gate brackets to each gate by inserting four 3/8" x 3" carriage bolts through the gate brackets and the drilled holes in the gates. Fasten each carriage bolt with one 3/8" washer, one 3/8" lock washer, and one 3/8" hex nut.

Figure 18



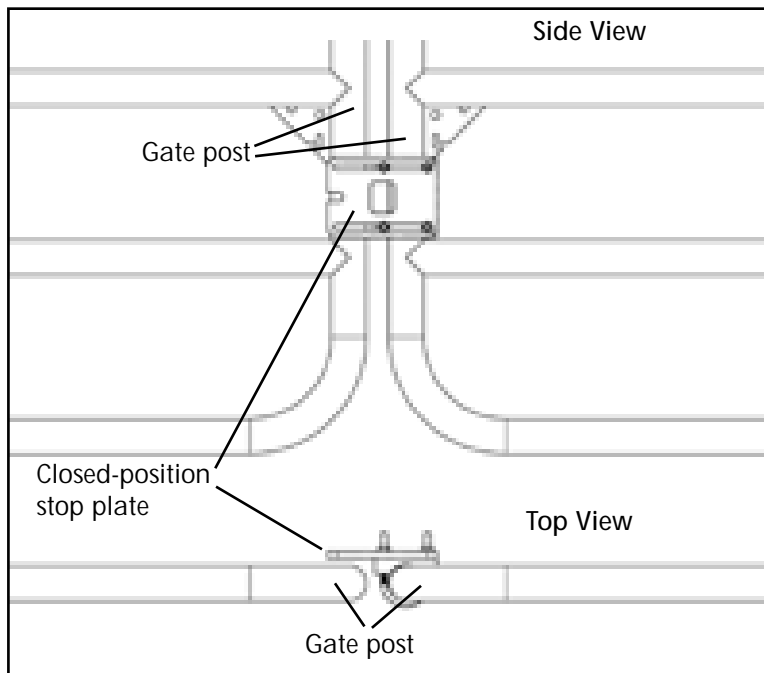
Installing the Gate Stop Plate

NOTE: Mounting hardware for the gate stop plate is not included. For wood gates, use wood or lag screws. For tube or chain gates, use U bolts.

Step 9 (fig. 19)

With the gate in the desired closed position, loosely fasten the gate stop plate to the middle of the gate between the top and bottom at the end of one gate. Ease the gate stop plate into position so that it overlaps the end of the second gate. When this position is reached, securely tighten the gate stop plate hardware.

Figure 19



Installation of the Gate Opener (Actuator)

Step 10 (fig. 20)

Attach the gate opener (actuator) to the securely fastened gate bracket and post mount bracket assembly by using the two clevis pins. Insert one clevis pin through the gate opener (actuator) and the gate bracket. Insert the other clevis pin through the gate opener (actuator) and the post mount bracket assembly. Secure the clevis pins with the two clevis pin clips.

NOTE: At this point, the gate openers (actuators) and all the brackets should be installed. Before continuing, check to ensure that the gate is plumb and swings freely. Ensure the gate openers (actuators) are level and securely mounted.

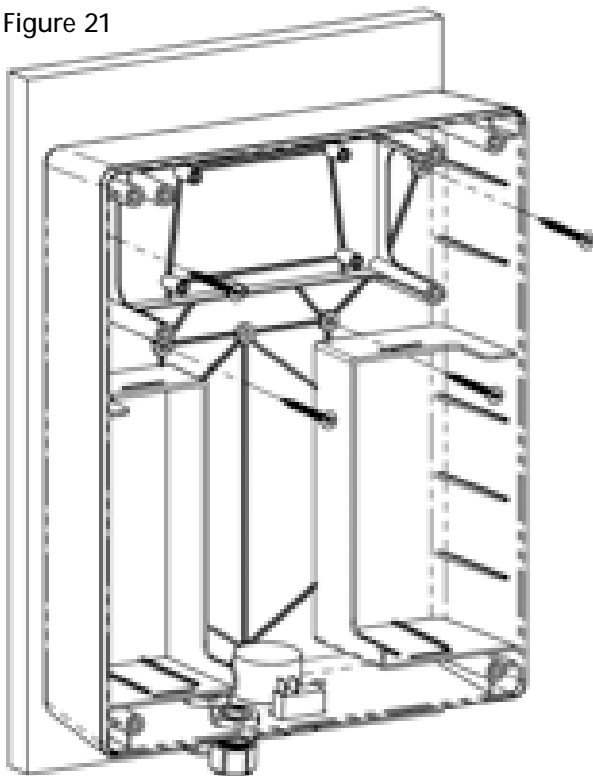
Mounting the Control Box

Step 11 (fig. 21)

To mount the control box use the #8 x 2" deck screws. The control box mounting holes are placed in various positions to allow many mounting configurations. When mounting the control box use at least two #8 x 2" deck screws on the top portion of the control box.

NOTE: Ensure the control box is mounted to a secure surface and at least three feet above the ground to protect it from rain, snow, and other conditions.

Figure 21



Use mounting holes and screws (included) to mount control box to a secure surface.

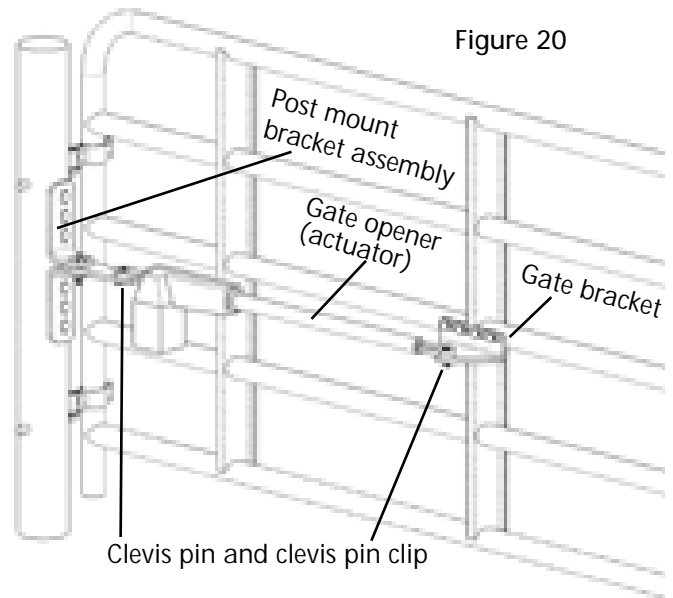


Figure 20

Installing the RF Receiver

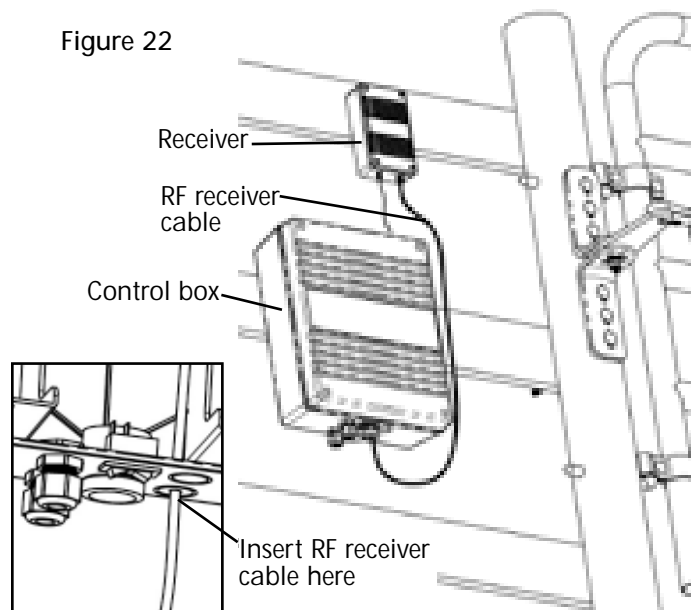
The standard receiver cable is 10 feet long. The receiver range can vary between 100 to 300 feet depending upon weather, external interference, and topography.

Before connecting the RF receiver ensure the control box power switch is in the OFF position.

Step 12 (fig. 22)

Insert the RF receiver cable through the small hole in the bottom of the control box.

Figure 22



Step 13 (fig. 23)

Connect the color coded RF receiver wires to the terminal block located on the bottom of the control board marked RECEIVER by inserting the wires into the terminal block and tightening the set screw in the terminal block.

Connect the RED RF receiver wire to the RECEIVER RED terminal. Connect the BLACK RF receiver wire to the RECEIVER BLK terminal. Connect the GRAY RF receiver wire to the RECEIVER GRY terminal.

Power Connection Between Control Box and Gate Openers (Actuators)

Battery Installation

NOTE: The battery that accompanies the Zareba Automatic Gate Opener will already be installed in either the left or right battery compartment. The extra battery compartment accommodates an optional second battery.

Step 14 (fig. 24)

Ensure the battery is secure by inserting the battery strap through the battery strap slots in the battery compartment.

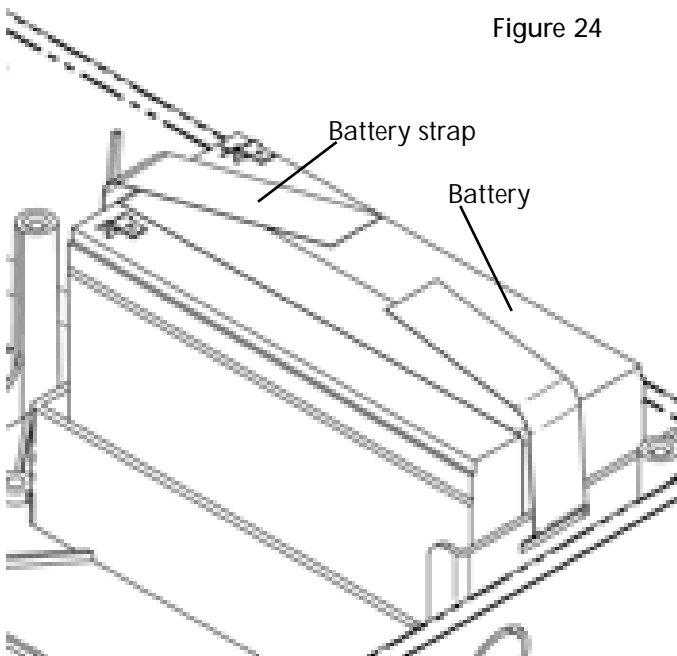
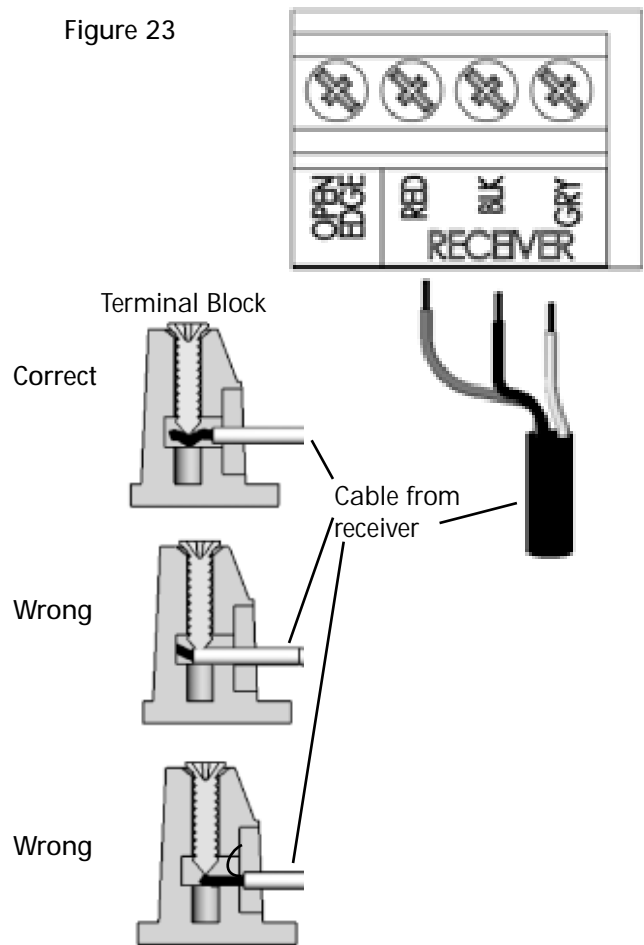


Figure 24

Figure 23



Connect Battery Power to the Control Box

NOTE: Ensure the control box power switch is in the OFF position. The control box power switch is located on the bottom of the control box (fig. 25).

Step 15

With the control box power switch in the OFF position connect the battery wire harness to the battery by connecting the RED wire to the RED (+) terminal on the battery and confirm the connection of the BLACK wire to the BLACK (-) terminal on the battery (fig. 26).

CAUTION: Ensure that the wires and terminals match colors. If the battery wire harness is installed incorrectly, it may damage the control board.

Figure 25

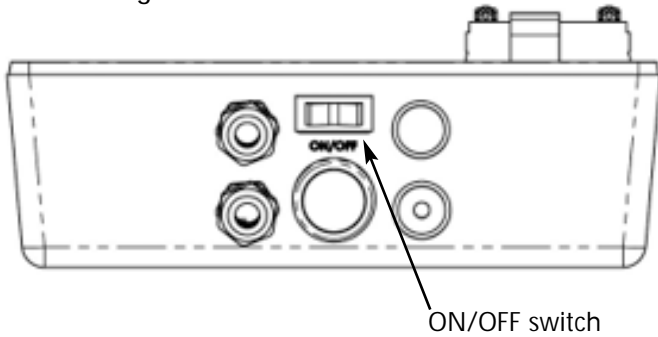
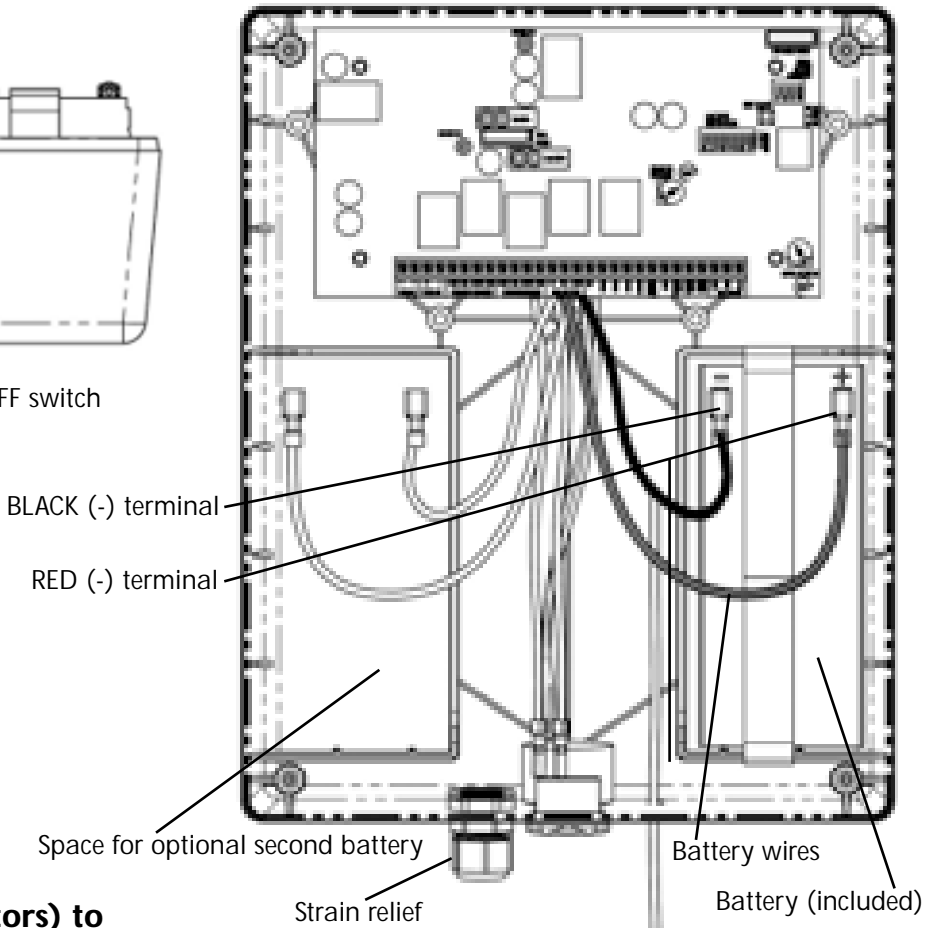


Figure 26



Connect the Gate Openers (Actuators) to the Control Box

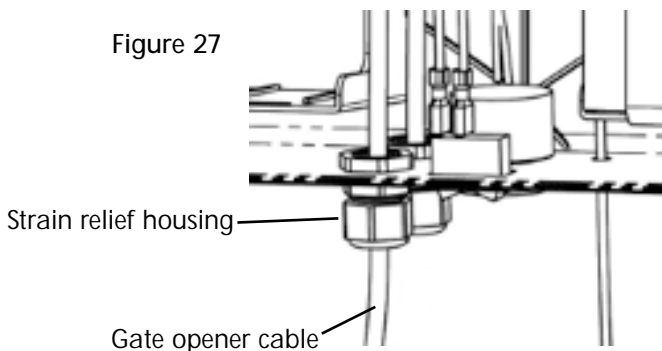
CAUTION! Ensure that the control box power switch is in the OFF position before connecting the control box.

Step 16 (fig. 27)

Insert the first gate opener (actuator) cable through the front strain relief housing and into the control box by loosening the strain relief sealing nut located on the outside bottom of the control box and feeding the gate opener (actuator) cable into the control box.

NOTE: The gate opener with the 10' cord (mounted closest to the control box) will be referred to as "Opener 1." The gate opener with the 40' cord will be referred to as "Opener 2."

Figure 27

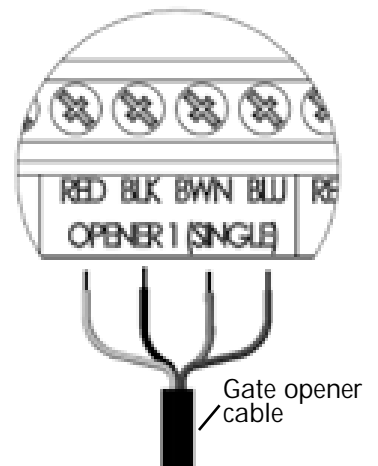


Step 17 (fig. 28)

Connect the color-coded gate opener (actuator) wires to the terminal block located on the bottom of the control board marked Opener 1 (SINGLE). Do this by inserting the wires into the terminal block and tightening the set screw in the terminal block.

1. Connect the RED gate opener (actuator) wire to the OPENER 1 (SINGLE) RED terminal.
2. Connect the BLACK gate opener (actuator) wire to the OPENER 1 (SINGLE) BLK terminal.
3. Connect the BROWN gate opener (actuator) wire to the OPENER 1 (SINGLE) BWN terminal.
4. Connect the BLUE gate opener (actuator) wire to the OPENER 1 (SINGLE) BLU terminal.

Figure 28

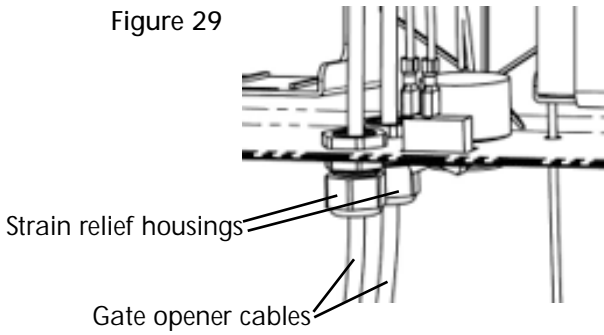


Step 18

Insert the second gate opener (actuator) cable through the second strain relief housing and into the control box. Feed the gate opener (actuator) cable into the control box (fig. 29).

Note: Protect the second gate opener cable (40' foot cable) in a PVC conduit pipe that is buried under ground. This protects the cable from damage by vehicles, lawnmowers, or weed eaters.

Figure 29

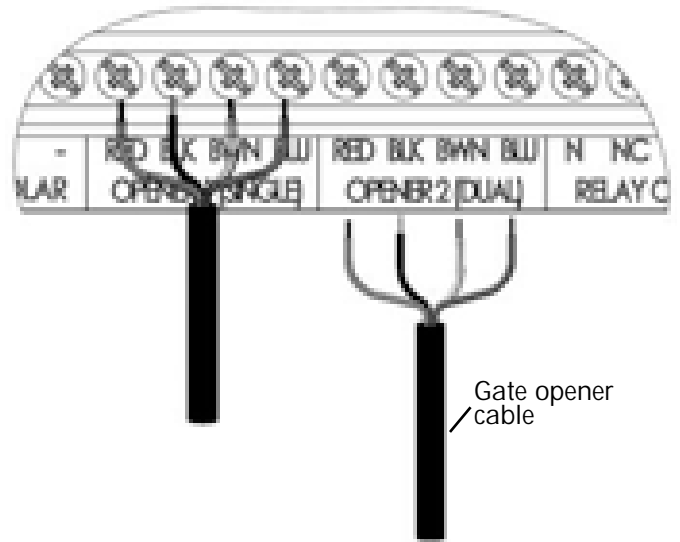


Step 19

Connect the color-coded gate opener (actuator) wires to the terminal block located on the bottom of the control board marked Opener 2 (DUAL). Do this by inserting the wires into the terminal block and tightening the set screw in the terminal block (fig. 30).

1. Connect the RED gate opener (actuator) wire to the OPENER 2 (DUAL) RED terminal.
2. Connect the BLACK gate opener (actuator) wire to the OPENER 2 (DUAL) BLK terminal.
3. Connect the BROWN gate opener (actuator) wire to the OPENER 2 (DUAL) BWN terminal.
4. Connect the BLUE gate opener (actuator) wire to the OPENER 2 (DUAL) BLU terminal.

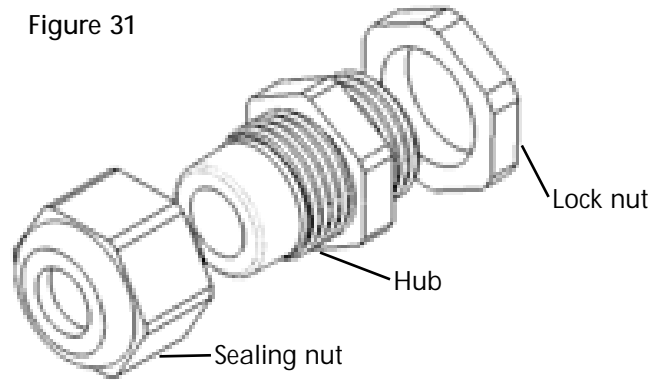
Figure 30



Step 20

After connecting both gate opener (actuator) wires to their proper locations, tighten the strain relief sealing nuts so the gate opener (actuator) cables do not move or slide through the strain relief (fig. 31).

Figure 31



Push-to-Open Installation

CAUTION! Ensure the gate does not open into public areas and does not interfere with traffic or cause traffic hazards.

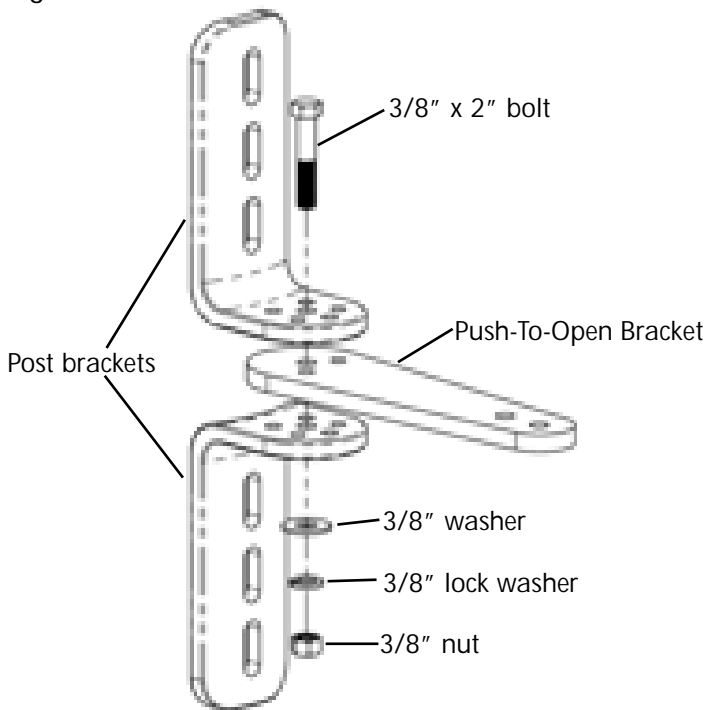
In a push-to-open installation, the gate opener (actuator) is installed while the gate is in the closed position and the gate opens out from the property.

NOTE: The optional push-to-open bracket is longer than the pivot bracket included with this kit, and is required for this installation (part #GAB1). You will need two push-to-open brackets for a dual gate installation.

Step 1 (fig. 32)

Assemble the post mount bracket assembly by placing the push-to-open bracket in between the two post mount brackets. Insert the 3/8" x 2" hex bolt through the center hole of the two post mount brackets and the push-to-open bracket. Place a 3/8" washer, a 3/8" lock washer, and a 3/8" hex nut on the bottom of the 3/8" x 2" hex bolt and hand tighten.

Figure 32



Step 2 (fig. 33a and 33b)

NOTE: Gate opener (actuator) should be in the retracted or closed position before attaching the gate bracket and the post mount bracket assembly.

Attach the gate bracket and the post mount bracket assembly to the gate opener (actuator) by inserting a clevis pin through the holes in the gate bracket and the post push-to-open bracket. Secure the clevis pins using the clevis pin clips.

Figure 33a

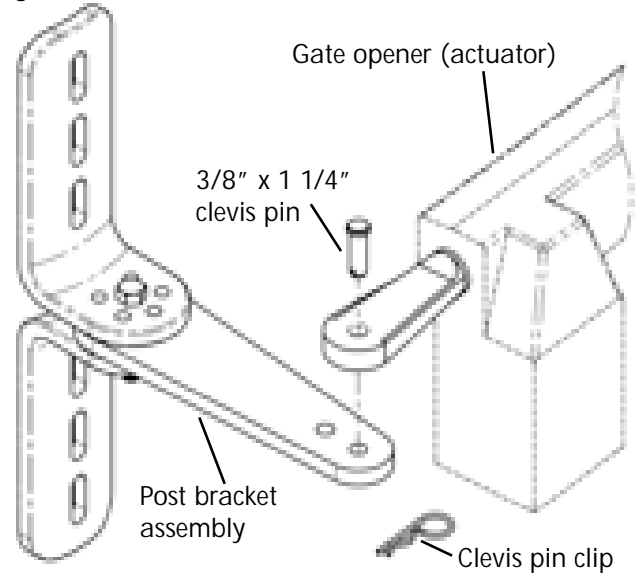
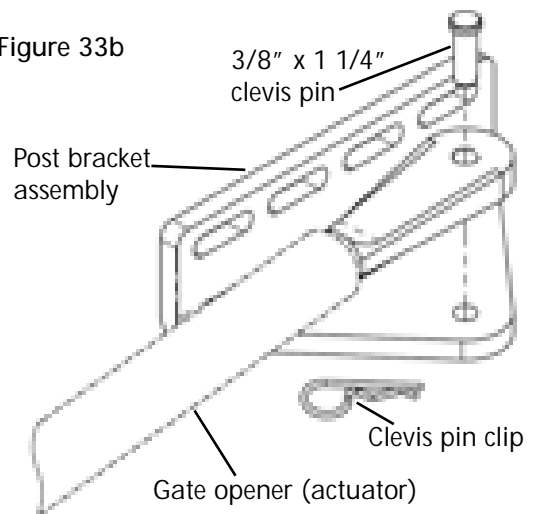


Figure 33b



Step 3 (fig. 34)

Start with the gate in the closed position and with the gate opener (actuator) in its retracted (closed) position. Then place the gate opener (actuator) with the gate bracket and post mount bracket assembly onto the gate post and the gate. Position the gate bracket and the post mount bracket assembly so that the gate opener (actuator) is level with the horizontal cross member of the gate.

NOTE: The gate opener (actuator) should be positioned approximately in the middle between the top and bottom of the gate. While holding the gate opener (actuator) in the desired level position use two C-clamps: use one to temporarily secure the gate bracket to the gate. Use the other to temporarily secure the post mount bracket assembly to the gate post.

Step 4 (fig. 35)

Determine the position of the push-to-open bracket on the post mount bracket assembly by ensuring a 2" minimum clearance is maintained between the gate and the gate opener (actuator) in both the gate-open and gate-closed positions. To ensure the minimum 2" clearance is maintained in the gate closed position, remove the clevis pin from the gate bracket while holding the gate opener (actuator) and then close the gate. Move the gate opener (actuator) so the gate bracket and the gate opener (actuator) are aligned. Ensure that a 2" clearance is maintained.

NOTE: If the proper clearance cannot be found, turn over the pivot bracket to try different alignment positions. You may also move the post push-to-open bracket assembly slightly to the right or left to obtain the proper clearances.

When the desired position of the push-to-open bracket is found, place the 5/16 x 1-3/4" bolt into the desired pivot hole on the post mount bracket.

NOTE: Refer to page 24 for setting DIP Switch 4 in the correct push-to-open mode.

Step 5

Repeat Steps 1 through 4 of this section for the second gate opener (actuator).

When the push-to-open installation is complete go to the bracket mounting section on page 13.



Swinging gates must not open into public access areas.

Figure 34

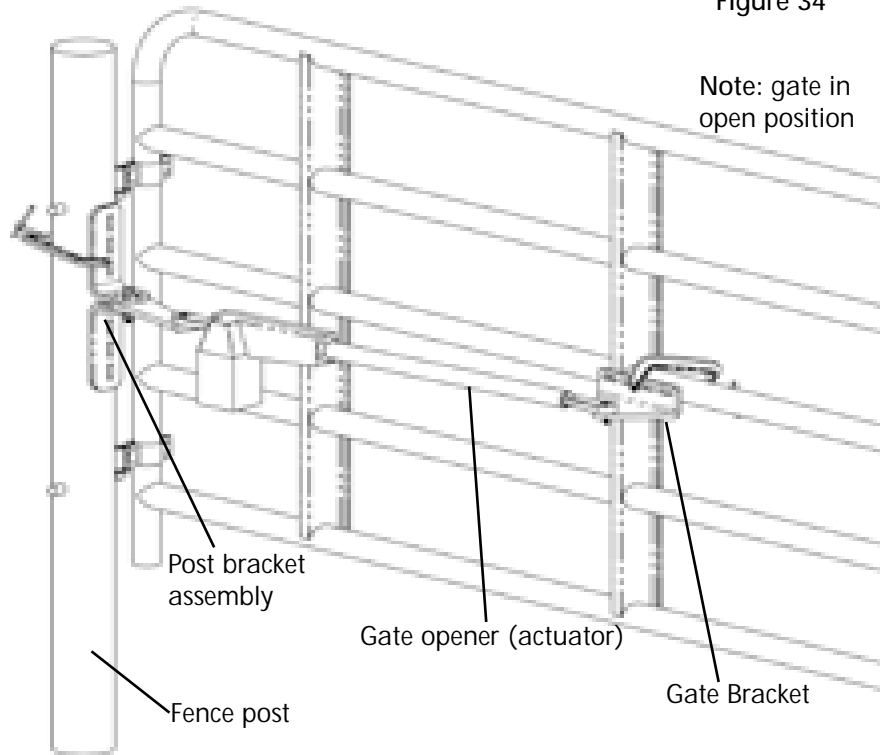
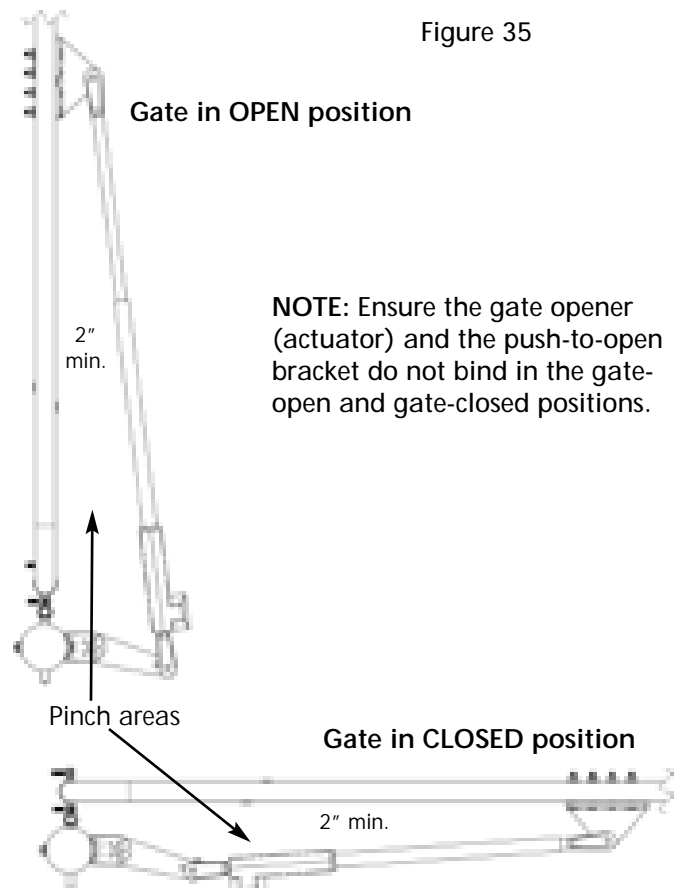


Figure 35



Brick, Masonry, or Rock Column Installation

Spacing requirements may prevent mounting the gate opener (actuator) on a column (see fig. 36). If this is the case, the gate may have to be professionally re-hung on a post next to the column.

When mounting the gate opener (actuator) onto a column, use of the push-to-open bracket (sold separately) may be necessary to ensure proper spacing between the column and the opener.

If the proper spacing cannot be achieved using the push-to-open bracket, the gate opener (actuator) must be installed using the push-to-open procedure (see page 22).

If using the push-to-open procedure, ensure that the gate does not cause a traffic hazard.

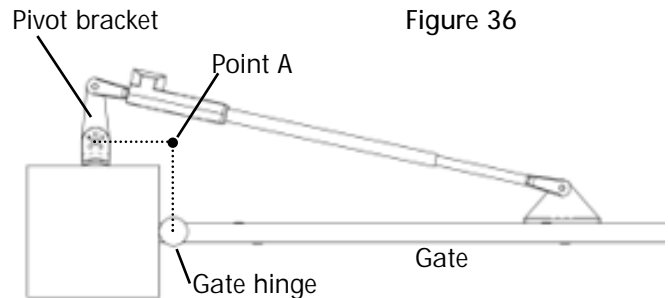


Figure 36

The distance from the pivot bracket to point "A" + the distance from the gate hinge to point "A", CANNOT exceed 12". For example: If the distance from the pivot bracket to point "A" is 5", then the distance from the gate hinge to point "A" cannot exceed 7".

CONTROL BOX SETTING

CONTROL BOARD SETTINGS

You have several optional gate opener settings that are controlled via the DIP switches located inside the control box.

DIP Switch Settings and Descriptions

(fig. 37)

DIP Switch 1 – Soft Start/Stop

The soft start and stop function slowly starts the gate as it begins to move, and slowly stops the gate as it begins to stop. If used, this feature may prolong the life of your gate opener system, due to less wear on the actuator (opener).

DIP Switch 2 – Warning Buzzer

The warning buzzer provides several different alarms. When the gate begins to move, the warning buzzer will sound an alarm for two seconds. It also sounds an alarm when an obstruction occurs twice in any given cycle. The obstruction alarm cannot be disabled by turning this DIP switch to the OFF position.

DIP Switch 3 – Automatic Close

When this DIP switch is in the ON position, the gate will automatically close after a period of time. The length of time is determined by DIP switches 6 and 7. When this DIP switch is OFF, the gate will stay open until a signal

is sent to close the gate. The signal can come from a transmitter, keypad, or push button control.

DIP Switch 4 – Push- or Pull-to-Open

This switch is defaulted to the OFF position as that is the setting for Pull-to-Open. Pull-to-Open is where the gate swings into the property. When the switch is in the ON position, the system will work in Push-to-Open applications or when the gate swings out from the property.

DIP Switch 5 – Momentary or Constant Pressure

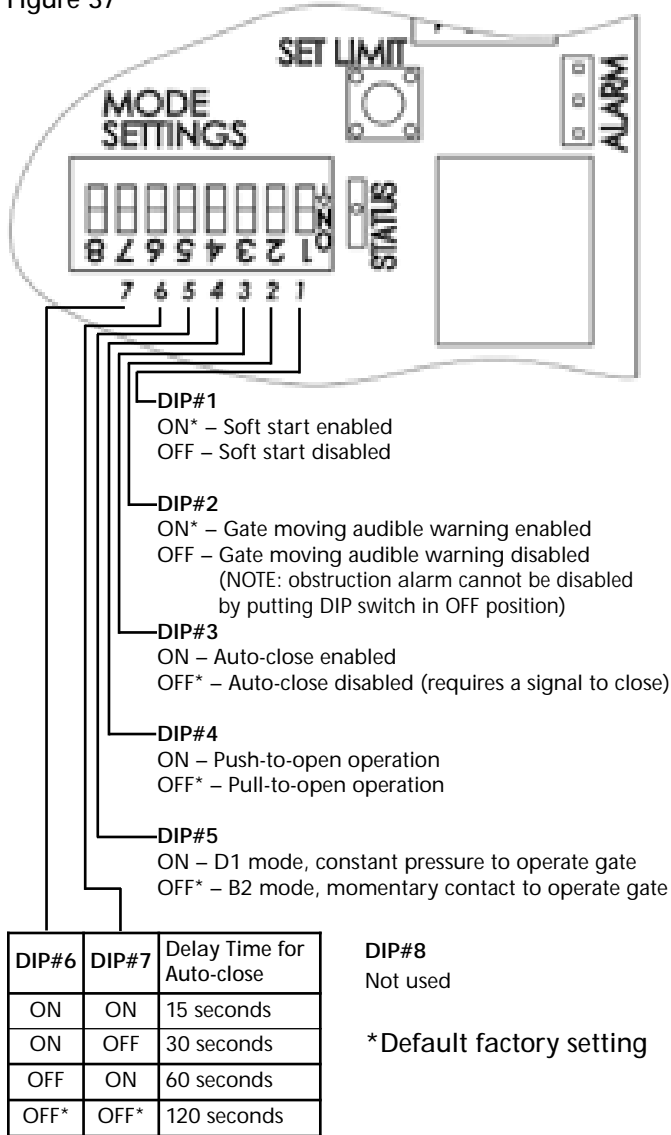
The default position is OFF. This switch should be left in the OFF position unless a constant pressure push button device is being used. This is typically done when a gate attendant or guard is operating the gate. The gate then can only be opened when constant pressure is applied to a push button device.

DIP Switch 6 and 7 – Delay Time for Automatic Close

Setting these two switches in a specific configuration will determine the delay time before the gate will automatically close. DIP switch 3 must be in the ON position for these two switches to be in effect. See the accompanying table for settings.

DIP Switch 8 – Not Used

Figure 37

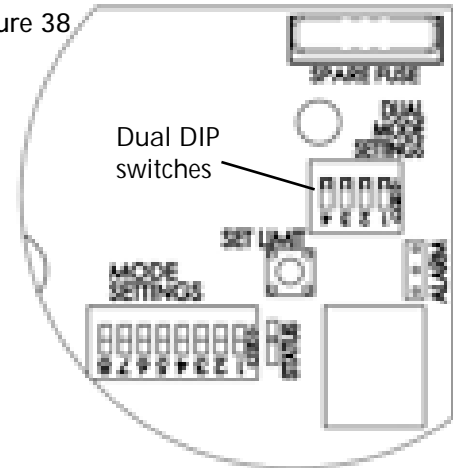


(Note: DIP switch 6 and 7 settings are only in effect when DIP switch 3 is in ON position.)

NOTE: Your Zareba Automatic Gate Opener receiver is compatible with built-in vehicle transmitter systems, such as HomeLink. Refer to your vehicle owner’s manual for instruction on how to program.

Dual DIP Switch Settings and Descriptions
(fig. 38A)

Figure 38



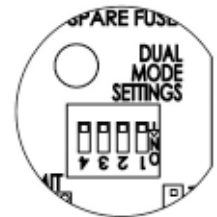
DIP Switch 1 and 2 – Gate Sequence
The default position for both DIP switch 1 and 2 is OFF. The sequence of how the dual gates will close is determined by how these two switches are configured.

DIP Switch 3 – Gate Closing Delay
The default setting is OFF. If DIP switch 3 is set to the ON position, it will add four seconds of delay before the second gate closes. See examples below.

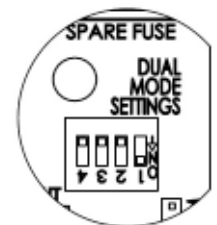
DIP Switch 4 – Closed Position Limits
This switch is used when setting the closed position limits for each gate. The DIP switch is set to OFF when setting the closed position limit for the first gate. The DIP switch is set to ON when setting the closed position limit for the second gate. See section “Setting the Gate’s Closed Limit Position” on page 27.

To Set Open/Close Sequence and Times:

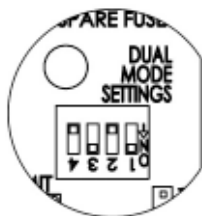
1 OFF; 2 OFF
Factory setting for single opener (actuator) operation.



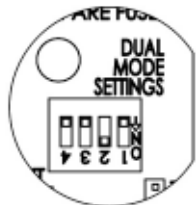
1 ON; 2 OFF; 3 OFF
First gate begins to open two seconds before second gate. Second gate begins to close four seconds before first gate.



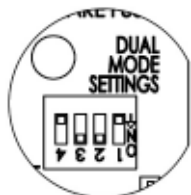
1 ON; 2 OFF; 3 ON
 First gate begins to open two seconds before second gate. Second gate begins to close eight seconds before first gate.



1 OFF; 2 ON; 3 OFF
 First and second gates open at the same time. Second gate begins to close four seconds before first gate.

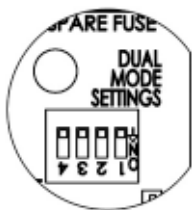


1 OFF; 2 ON; 3 ON
 First and second gates open at the same time. Second gate begins to close eight seconds before first gate.

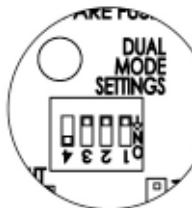


To Set or Clear Position Limits:

4 OFF
 To set or clear first gate position limit



4 ON
 To set or clear second gate position limit



Setting the Transmitter Code

NOTE: All Zareba Automatic Gate Opener transmitters and receivers use a standard code set at the factory. It is recommended that you set your own personal code for safety and security.

Step 1 (fig. 39)
 Remove the battery access cover on the transmitter. When the cover is off, you will see the battery and the DIP switch.

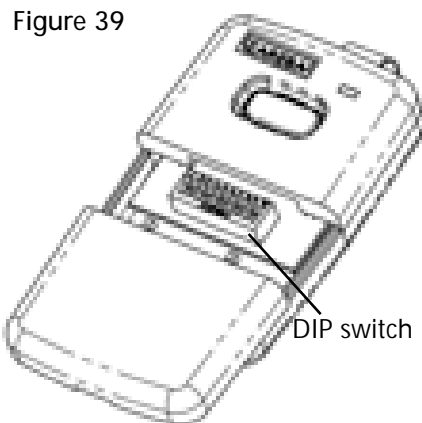


Figure 39

Step 2
 The DIP switch contains 10 small switches (fig. 40). Using a small screwdriver or pen, move any single or combination of the switches to either the open or closed position.

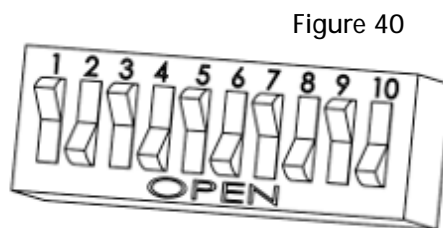


Figure 40

NOTE: Do not set the switches to all open or all closed.

Step 3
 Remove the RF receiver box cover by removing the four screws. When the cover is off, you will see the DIP switches in the upper right corner.

Step 4
 There are 10 small DIP switches. Refer to the transmitter and using a small screw driver or pen, move the switches to the same positions as you did for the transmitter (fig. 40).

NOTE: The transmitter and RF receiver DIP switch setting must match exactly or the remote system will not work.

Step 5
Replace the battery access cover.

Step 6
Check to see that the DIP switch settings match by pressing the transmitter button. If the gate moves, the DIP switch settings match.

If the gate does not move, adjust the transmitter DIP switch settings to match the RF receiver DIP switch settings. Then press the transmitter button to verify that the gate moves.

Step 7
Replace the RF receiver box cover.

Setting The Gate's Closed Limit Position

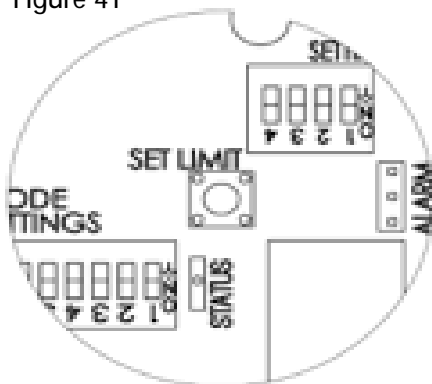
Next you must set the gate opener's CLOSED limit setting. (limit setting: the desired stopping point for your gate) This will vary depending on if you are using a pull-to-close (standard set up) or push-to-open (alternative set up, see page 22) arrangement for your opener.

Pull-to-Close Closed Limit Setting
Step 1
Turn the power ON to energize the system.

Step 2
Make sure both gates are in the fully open position. Press the transmitter button and the gates will begin to close. Be prepared to stop the gates when the desired limit has been reached by the first gate opener (actuator) that closes first.

Step 3
If Opener 2 was the first gate to close, set Dual Mode DIP switch 4 to the ON position. If Opener 1 was the first gate to close, set Dual Mode DIP switch 4 to the OFF position. Then press and hold the SET LIMIT button for two seconds (fig. 41). The STATUS light will turn on momentarily, then turn off.

Figure 41



Step 4
Press the button of the transmitter and the gates should move to the fully open position. The first gate opener's (actuator) closed position is now set for the opener that closed first.

Step 5
Now press the transmitter button again. Your gates should begin to close. The opener that closes first will stop at the closed limit position you programmed in the previous steps. The other gate will continue to close until you press the transmitter button again. The second gate should close firmly up to the first gate without excessive pressure against the first gate.

Step 6
If Opener 2 was the second gate to close, set Dual Mode DIP switch 4 to the ON position. If Opener 1 was the second gate to close, set Dual Mode DIP switch 4 to the OFF position. Then press and hold the SET LIMIT button for two seconds. The STATUS light will turn on momentarily, then turn off.

Step 7
Using the handheld transmitter return the gates to the fully open position. Both gates' closed position stops are now set.

Step 8
Again, using the handheld transmitter close the gates to verify they meet the desired location. Note: If the gates did NOT reach the desired limit proceed to Step 9.

Step 9
Clearing the closed limit setting for Opener 1:

- Return the gate to the fully open position.
- Set Dual Mode DIP switch 4 to the OFF position.
- Press and hold the SET LIMIT button for five seconds. When the green STATUS light comes on, the closed limit setting has been reset to factory defaults.

Clearing the closed limit setting for Opener 2:

- Return the gate to the fully open position.
- Set Dual Mode DIP switch 4 to the ON position.
- Press and hold the SET LIMIT button for five seconds. When the green STATUS light comes on, the closed limit setting has been reset to factory defaults.

Figure 43



NOTE: You may need to increase the stall force in cold weather due to increased resistance from gate hinges.

Work safely when adjusting or servicing your automatic gate opener.

Accessory Installation

Before installing accessories to the control board, set the control box power switch to the OFF position. Accessories from Zareba include instructions detailing how to connect them to the control box. Please refer to those instructions. Note: Accessories connected to your system will draw additional power from the battery.

For a list of all optional accessories, see page 34.

OPERATION

Powering Information

Installing the transformer

- The transformer provided is for indoor use only. If used in an outside outlet, the transformer must be enclosed or covered for weather protection.
- When hooking up the transformer to the control box, use only 16 gauge dual conductor, multi-stranded, direct burial wire. (NOTE: not included in kit. Available from Zareba or in electrical department of most stores. See page 34 for details.) Do not run more than 1,000 feet of wire. In order to prevent corrosion and to assure adequate current, DO NOT splice wire. Follow local electrical codes.
- If AC power is unavailable, use a Zareba Solar Powered Battery Charger. See List of Accessories on page 34.

Step 1

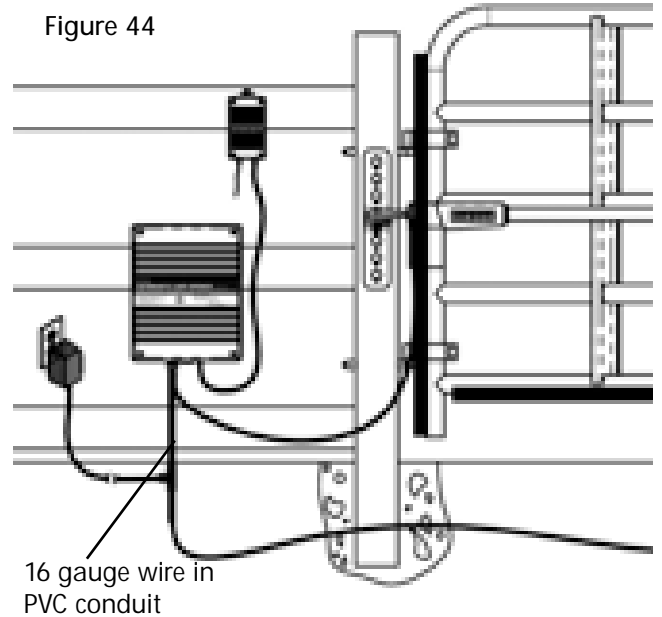
Turn off power switch and unplug transformer.

Caution! The transformer must not be plugged in when connecting power!

Step 2 (fig. 44)

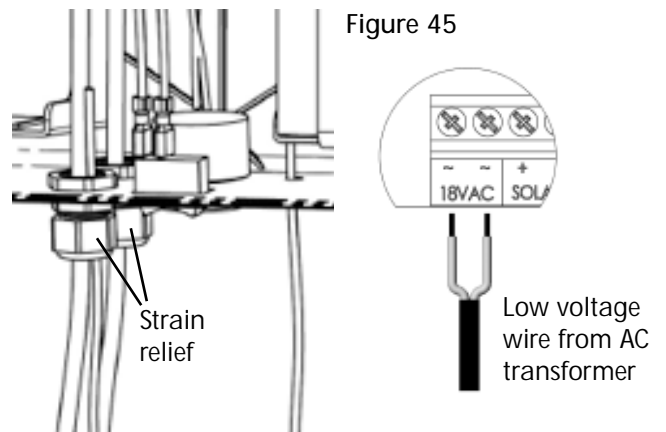
Run the 16 gauge wire in a trench from the control box to the 110 VAC outlet. The wire must be protected as it runs under the ground to the control box. We recommend PVC conduit to protect your wire.

Figure 44



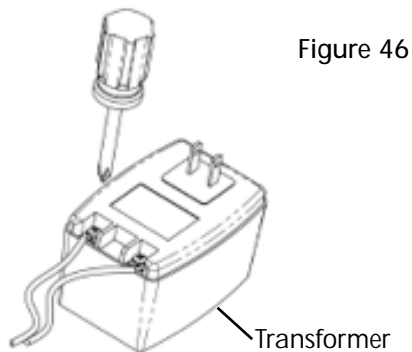
Step 3 (fig. 45)

Pull an adequate amount of wire through the strain relief opening (along with the actuator cable) in the bottom of the control box. Hook up the bare ends of the wires to the 18 Volt AC connections on the control board. Tighten the strain relief nut.



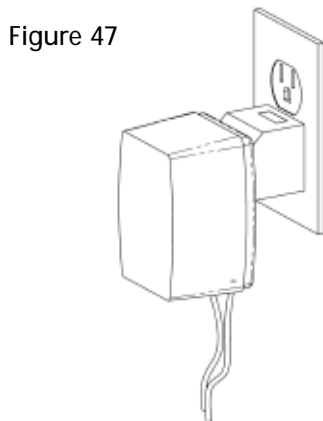
Step 4 (fig. 46)

Attach the other ends of the wire to the transformer terminals.



Step 5 (fig. 47)

Plug the transformer into the electrical outlet. An AC surge protector (not included) is recommended.




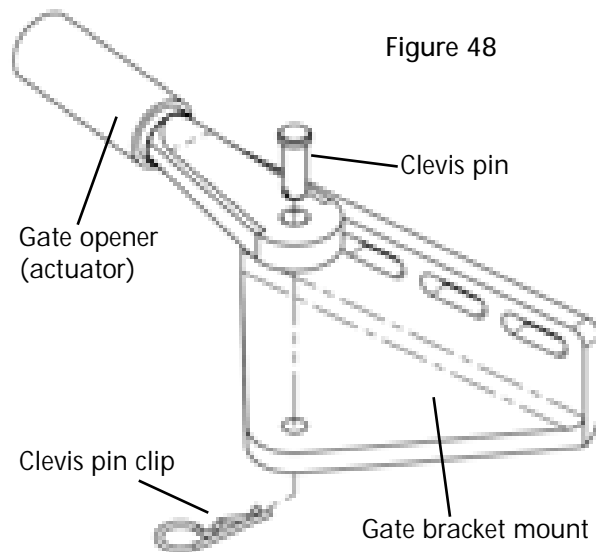
Manual operation of gate

CAUTION: The gate will move freely and uncontrolled when the gate opener (actuator) is removed from the gate. **ONLY** disconnect the gate opener (actuator) when the control box power switch is OFF and the gate is **NOT** moving.

Disconnecting the Opener (fig. 48)

1. Turn control box power switch OFF.
2. Remove clevis pin clip and clevis pin from either the front or rear mounting point.
3. Remove the gate opener (actuator) from the mount.

 The gate can be opened and closed manually when the gate opener (actuator) is disconnected.

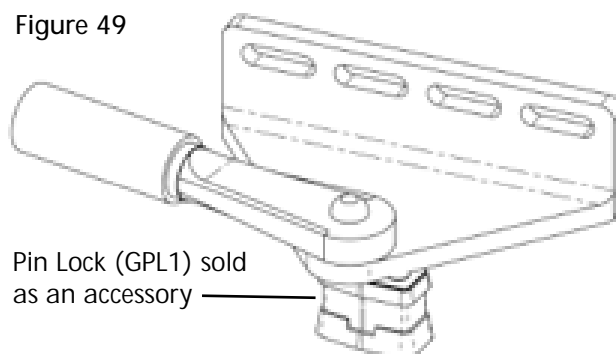


Theft Deterrence

Your Zareba Automatic Gate Opener comes with a built-in theft deterrence feature. If the gate opener (actuator) is disconnected from the control box, your unit will automatically sound an alarm, notifying you of unauthorized removal of the actuator. A warning label on the gate opener (actuator) states an alarm will sound if the actuator is removed. The alarm is shut off by disconnecting battery power to the control box or turning the switch on the bottom of the control box to the OFF position.

For additional protection, a pin lock accessory can be purchased to lock your gate opener (actuator) to a bracket preventing removal of the gate opener (actuator) (see fig. 49).

NOTE: Substitute a Pin Lock for the clevis pin on the front mount of the gate opener (actuator) (fig. 45) to prevent unauthorized removal of the gate opener (actuator) from the gate (see List of Accessories on page 34).



MAINTENANCE AND TROUBLESHOOTING GUIDE

Preventive Maintenance

- Using a clean, dry cloth, wipe the gate opener shaft, then apply a silicone spray. The silicone spray will reduce friction in extreme temperature ranges and help your gate opener (actuator) operate smoothly. Do this every 4-6 weeks.
- Regularly check gate hinges to make sure gate is swinging smoothly and freely. Grease hinges if needed.

Troubleshooting

After the gate closed, it immediately opened.

1. Check the battery in the handheld transmitter to ensure the battery is not low. Press the transmitter button and observe if the green LED light is on. If green LED light appears dim, replace battery.
2. Open the control box cover and verify the wires connected to CYCLE, SAFETY SENSOR, EXIT, VEHICLE LOOP, or CLOSED/OPEN EDGE terminals are not loose.

If steps 1 – 2 did not solve the problem please call customer service.

After the gate opened, it immediately closed.

1. Check the battery in the handheld transmitter to ensure the battery is not low. Press the transmitter button and observe if the green LED light is on. If green LED light appears dim, replace battery.
2. Open the control box cover and verify the wires connected to CYCLE, SAFETY SENSOR, EXIT, VEHICLE LOOP, or CLOSED/OPEN EDGE terminals are not loose.

If steps 1 – 2 did not solve the problem, please call customer service.

The gate stops without reaching the fully closed position.

1. Verify the gate frame is not experiencing an obstruction, and the gate hinges are not binding.
2. The stall force may be too sensitive. Increase the force by turning the potentiometer about five degrees in a clockwise direction. Close the gate again and determine if the problem still exists. Continue this process until the trouble is corrected. **CAUTION:** Increasing the stall force too much will decrease the obstruction protection.
3. Reset the gate opener system by placing the ON/OFF switch in the OFF position for five seconds then:
 - a) Open the gate to a fully opened position.
 - b) Close the gate again to determine if the problem still exists.
 - c) If the gate stops before fully closing, return the gate to fully opened position and follow the steps outlined earlier in the manual, “setting the closed limit.” If this procedure does not correct the current problem proceed to step 4.
4. Open the control box cover, and:
 - a) Observe if the green “STATUS” LED light is blinking once per second.
 - b) Verify if the red or green battery charging indicators are on.
 - c) Verify the wires connected to VAC, Solar (if applicable), Opener 1, Opener 2 (if applicable), Cycle, Safety Sensor, Exit, Vehicle Loop, Closed/Open Edge, and Receiver terminals (red, black, grey) are not loose.
 - d) If steps a – c did not solve the problem, please call customer service.

The gate stops without reaching the fully opened position.

1. Verify the gate frame is not experiencing an obstruction, and the gate hinges are not binding.
2. The stall force may be too sensitive. Increase the force by turning the potentiometer about five degrees in a clockwise direction. Close the gate again and determine if the problem still exists. Continue this process until the trouble is corrected. **CAUTION:** Increasing the stall force too much will decrease the obstruction protection.
3. Reset the gate opener system by placing the ON/OFF switch in the OFF position for five seconds, then:
 - a) Return the gate to a fully closed position.
 - b) Open the gate again to determine if the problem still exists.
 - c) If the gate stops again before fully opening proceed to step 4.

4. Follow the instructions for setting the CLOSED limit. If the gate continues to stop without reaching the fully opened position proceed to step 5.
5. Open the control box cover, and:
 - a) Observe if the green "STATUS" LED light is blinking once per second.
 - b) Verify if the red or green battery charging indicators are on.
 - c) Verify the wires connected to VAC, Solar (if applicable), Opener 1, Opener 2 (if applicable), Cycle, Safety Sensor, Exit, Vehicle Loop, Closed/Open Edge, and Receiver terminals (red, black, grey) are not loose.
 - d) If steps a – c did not solve the problem, please call customer service.

The gate will not open using the handheld transmitter.

1. Remove the cover from the transmitter.
2. Remove the RF receiver box cover. Verify the DIP switch settings on the transmitter are the same as those in the receiver.
3. If steps 1– 2 do not reveal an existing problem, please contact customer service for further assistance.

The gate will not open or close.

1. If applicable, ensure the 18 VAC transformer is still plugged into the 110 VAC source.
2. Open the control box cover, and:
 - a) Observe if the green "STATUS" LED light is blinking once per second.
 - b) Verify if the red or green battery charging indicators are on.
 - c) Verify the wires connected to VAC, Solar (if applicable), Opener 1, Opener 2 (if applicable), Cycle, Safety Sensor, Exit, Vehicle Loop, Closed/Open Edge, and Receiver terminals (red, black, grey) are not loose.
3. Verify the 15 amp fuse is not blown.

If steps 1– 3 do not reveal an existing problem, please contact customer service.

When my gates close, they do not align with each other.

1. Clear your closed limit settings. Return the gates to the fully open position. Press and hold the SET LIMIT button for five seconds until the green LED turns off. The closed limit setting is now erased.
2. Repeat steps 1 – 8 from the section of the manual titled "Setting the Gate's Closed Limit Position"
3. Verify gates close and are aligned properly.

If steps 1 – 3 do not resolve the problem, please contact customer service.

Customer Service

8:00am to 5:00pm, Central time, Monday – Friday

Zareba Systems

906 Fifth Avenue E

Ellendale, MN 56026-2193

Phone: 800-272-9877 or 507-684-3721

Fax: 507-684-3722; Email: info@zarebasystems.com

Warranty and Repair Information

If your Zareba Automatic Gate Opener is not operating properly, please follow all troubleshooting procedures in the Maintenance and Troubleshooting Guide (page 31). If you are unable to solve the problem, call Zareba Systems at 1-800-272-9877, or visit the Automatic Gate Opener section of our web site at www.zarebasystems.com. We will help with troubleshooting and arrange repair or replacement, if needed. When you call, please have the model and serial number of the Zareba Automatic Gate Opener.

One Year Limited Warranty

Limited Warranty Coverage

If your Automatic Gate Opener (sometimes also referred to as the "Product") does not work properly because of a defect in materials or workmanship, the Zareba Systems division of Waters, Instruments, Inc. ("Zareba") will, for the length of the period indicated on the chart below, which starts with the date of original purchase (the "Limited Warranty period"), at its option either (a) repair your Product with new or refurbished parts, or (b) replace it with a new or a refurbished Product. The decision to repair or replace will be made by Zareba.

Parts	Labor
One (1) Year	One (1) Year

During the "Labor" Limited Warranty period there will be no charge for labor. (Note: labor applies only to the repair of the Product at an Authorized Zareba Repair Center. It does not apply to removal or installation of the Product on purchaser's home or other premises). During the "Parts" Limited Warranty period, there will be no charge for parts.

You must ship your Zareba Automatic Gate Opener to Zareba during the applicable Limited Warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (such as the Product housing). This Limited Warranty only applies to Products purchased in the United States. This Limited Warranty is extended only to the original consumer purchaser ("you" or "your") of a new Product that was not sold "as is".

Limited Warranty Service

For assistance in the continental U.S.A. in obtaining the benefit of the Limited Warranty please carefully follow these steps:

- 1) Complete carefully all troubleshooting procedures in the Maintenance and Troubleshooting Guide in this Manual.
- 2) If you are still unable to solve the problem, contact Zareba Systems customer service at 1-800-272-9877. Please have the model and serial number of the Product available to give to the customer service representative. The customer service representative will provide further assistance or authorize repair or replacement, as appropriate.
- 3) If repair or replacement is appropriate you will be given a return authorization number (RMA#). This RMA# must be visible on all documents and packages returned to Zareba.

- 4) Carefully pack the defective Product or Product part in a sturdy shipping carton, include (i) a letter detailing the complaint, (ii) a daytime phone number where you can be reached, (iii) your name and address for any return, (iv) your sales receipt/proof of purchase, and (v) the RMA# on all correspondence and the shipping carton.
- 5) Prepay the freight and insure the defective Product or Product part against shipping damage. Note that defective Products or Product parts shipped freight collect will not be accepted.
- 6) Ship the carton to: Zareba Systems, 906 Fifth Avenue E., Ellendale, MN 56026, or where directed by the customer service representative.

IF REPAIR OR REPLACEMENT IS NEEDED DURING THE LIMITED WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. THE PURCHASER WILL BE CHARGED FOR THE REPAIR OF ANY PRODUCT OR PRODUCT PART RECEIVED WITHOUT SUCH PROOF OF PURCHASE OR FOR REPAIRS REQUESTED OUTSIDE OF THE APPLICABLE LIMITED WARRANTY PERIOD.

Limited Warranty Limitations and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by Zareba, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, modifications or alterations, faulty installation, connection to an improper power source, set-up adjustments, misadjustment of controls, improper maintenance, power line surges, damage from acts of God such as lightning, wind, fire, flood or insects, introduction of sand, humidity or liquids, commercial or rental use or service by anyone other than an Authorized Zareba Repair Center.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS STATED UNDER "LIMITED WARRANTY COVERAGE". ZAREBA IS AND WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY. (As examples, this excludes damages for lost time, lost calls or messages, cost of having someone remove or re-install an installed Product or Product part, travel to and from an Authorized Zareba Repair Center, etc. The examples listed are not an exhaustive or exclusive list, but are for illustration only). **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

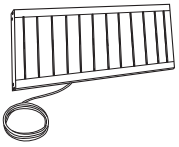
Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

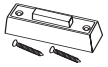
This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

PARTS AND SERVICES WHICH ARE NOT EXPRESSLY COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

GATE OPENER ACCESSORIES



Solar Powered Battery Charger (GSP1). The Solar Panel charges the 12 volt battery when AC power is not available, or is more than 1,000 feet away. Cycles are limited by the number of panels installed and the geographic location of gate opener installation.



Push-Button Control (GB1). Opens the gate with a push of a button. The Push Button Control is similar to a doorbell or the button-type control commonly used to open garage doors. The Push Button Control can be located in a garage or other location that is easily accessible when wanting to open or close the gate. It connects directly to the control box.



Pin Lock (GPL1). The Pin Lock replaces the clevis pin when mounting the actuator to the brackets. It helps to prevent theft of the actuator from the gate, while allowing quick release of the opener.



One-Button Transmitter (GT1). The Transmitter works similar to transmitters frequently used with garage door openers. It allows you to open or close the gate from a remote location (typically your vehicle). It has a range up to 300 feet.



Two Button Transmitter (GT2). The Two Button Transmitter provides the capability to remotely operate two separate devices such as two gates, or a gate and garage door. It has a range up to 300 feet.



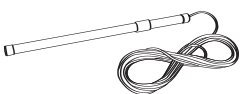
Three Button Transmitter (GT3). The Three Button Transmitter provides the ability to remotely operate three separate devices. It has a range up to 300 feet.



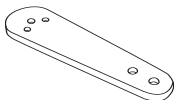
Mini Transmitter (GKF1). The Key Chain Transmitter fits on a keychain and allows you to open and close the gate from a remote location. It has a range up to 300 feet.



Keypad (GKP1). The Keypad allows for entry by authorized guests informed of your pre-set code. Entering the correct code causes the gate to open or close. The access code is easily modified.



In-Ground Vehicle Sensor (GS1). The In-Ground Vehicle Sensor provides a method to open your gate without a transmitter, push button, or keypad. Typically, the Sensor is installed on the inside of the property allowing guests to leave without having a control device to open the gate. The sensor is buried near the gate and senses or detects a metal vehicle that passes within its 12-foot range. Once detected, the gate opens automatically.



Push-to-Open Bracket (GAB1). This bracket is necessary for push-to-open installations. Push-to-open installations may become necessary due to a sloped driveway or other installation-specific reasons.



Replacement Battery (GRB1). Standard 12 volt, 7.2 amp-hour, maintenance-free battery for the Zareba Automatic Gate Opener.



Low-Voltage Wire (GW1). 16-gauge, multi-stranded, dual-conductor low voltage wire used to connect the AC-powered transformer to the control box.



Automatic Gate Lock (GL1). The Automatic Gate Lock provides an additional level of security for your property. When your gate swings shut, the gate lock closes, securing your gate in the closed position.

Please check with your local Zareba retailer for products. If the products you need are not available, you may purchase them directly from Zareba Systems.

GATE OPENER ACCESSORY ORDER FORM

Accessory	Model No.	Price	Qty	Extended Price
Single Gate Opener Kit	G750	\$595.00		
Double Gate Opener Kit	G752	\$875.00		
Solar Powered Battery Charger	GSP1	\$145.00		
Push Button Control	GB1	\$11.00		
Pin Lock	GPL1	\$29.50		
Push-To-Open Adapter Bracket	GAB1	\$26.50		
One-Button Transmitter	GT1	\$28.00		
Two-Button Transmitter	GT2	\$47.00		
Three-Button Transmitter	GT3	\$52.00		
Mini-Transmittor	GKF1	\$28.00		
Digital Keypad	GKP1	\$70.00		
Replacement Battery	GRB1	\$42.00		
Low Voltage Wire (sold in 1-foot increments call for pricing)	GW1			
In-Ground Vehicle Sensor	GS1	\$210.00		
AC Surge Suppressor	1549.96	\$8.74		

Prices and shipping subject to change without notice.

*Shipping & Handling (ground): Under \$50: \$8.00
 Note: For air freight shipping, \$50 to \$100: \$11.00
 contact the factory for cost \$100 to \$200: \$14.00
 \$200 to \$300: \$17.00
 Over \$300: Contact factory

Sub Total	
*Shipping and Handling	
**Tax	
Total	

**Residents in CA, MN, NJ, and NY, add appropriate state tax.

Mail order form and payment to: Zareba Systems
 906 Fifth Avenue E
 Ellendale, MN 56026-2193

Pay via credit card by calling 800-272-9877, or fax order to 507-684-3722.

Master Card Visa Discover

Card Number: _____ Expiration Date: _____ Signature: _____

Send product to: (please print)

Name: _____

Address: _____

City, State, Zip: _____

Phone: () _____ Email: _____