



Estate Swing Low Impact
Sliding Gate Opener
Automatic Gate Lock
Instruction Manual



Introduction

The Estate Swing Low Impact Sliding Gate Opener Automatic Gate Lock is designed to provide extra security and stability to your sliding gate opener system. There are numerous different mounting methods on various types of gates and posts. For that reason, no mounting hardware is included in this kit. For chain link gates, U-bolts, nuts and washers are used to mount the lock. Bolts, washers and nuts are used to attached the receiver to the gate. For other type of gates such as the tube type, bolts, washers, and nuts are the preferred method to mount both the gate and the receiver. See the examples on page 4.

To insure that the gate lock closes firmly on the pin in the receiver, some adjustments of gate closure may be necessary. See the page of your gate opener manual on closed position adjustment. See the page of your gate opener installation manual to reset the closed position adjustment.

Note: Before beginning installation of your automatic gate lock, make sure that you have all the parts included in Illustration A shown below.

- | | |
|---------------------------------------|-----------------------------|
| 1 Gate lock and Wire | 6 Lock Circuit Board |
| 2 Lead wire to Battery (red) | 7 Lock Key (2) |
| 3 Lead wire to battery (black) | 8 Cap for Lock Pin |
| 4 Nylon wire ties (4) | 9 Lock Pin |
| 5 White wire | 10 Lock Receiver |

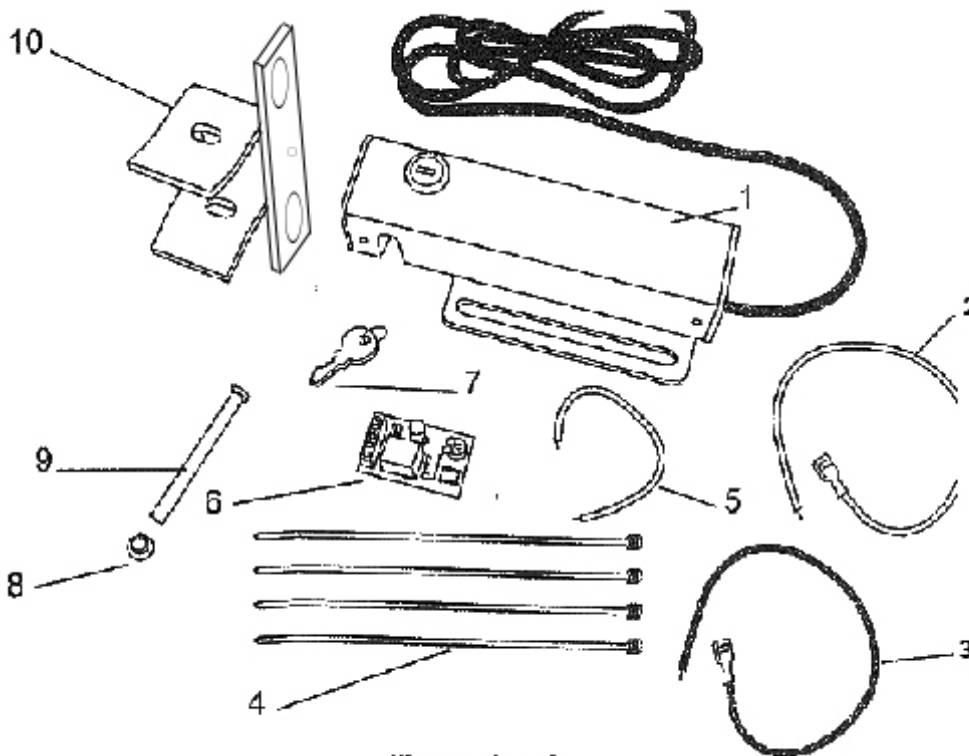


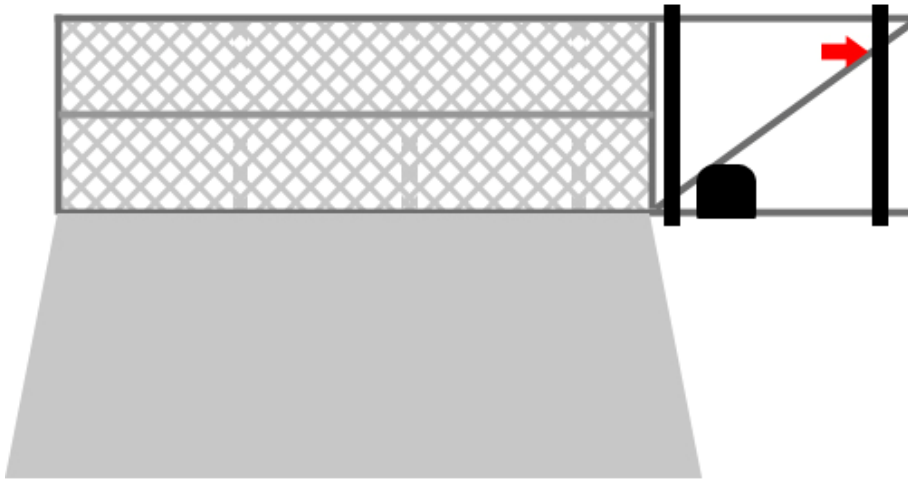
Illustration A

Mounting the lock and receiver

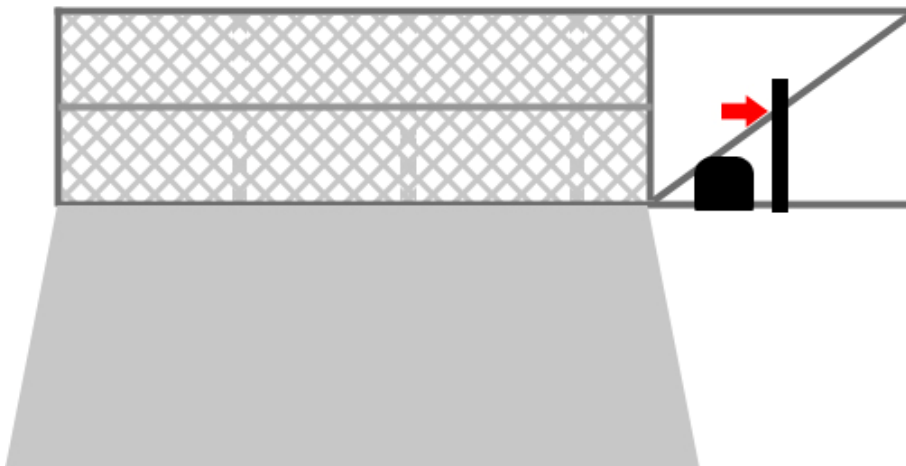
The lock does not get attached to the gate, the receiving bracket attaches to the gate and the lock is on a post next to the gate tail.

With the gate in the closed position install the lock to a post that is next to the gate.

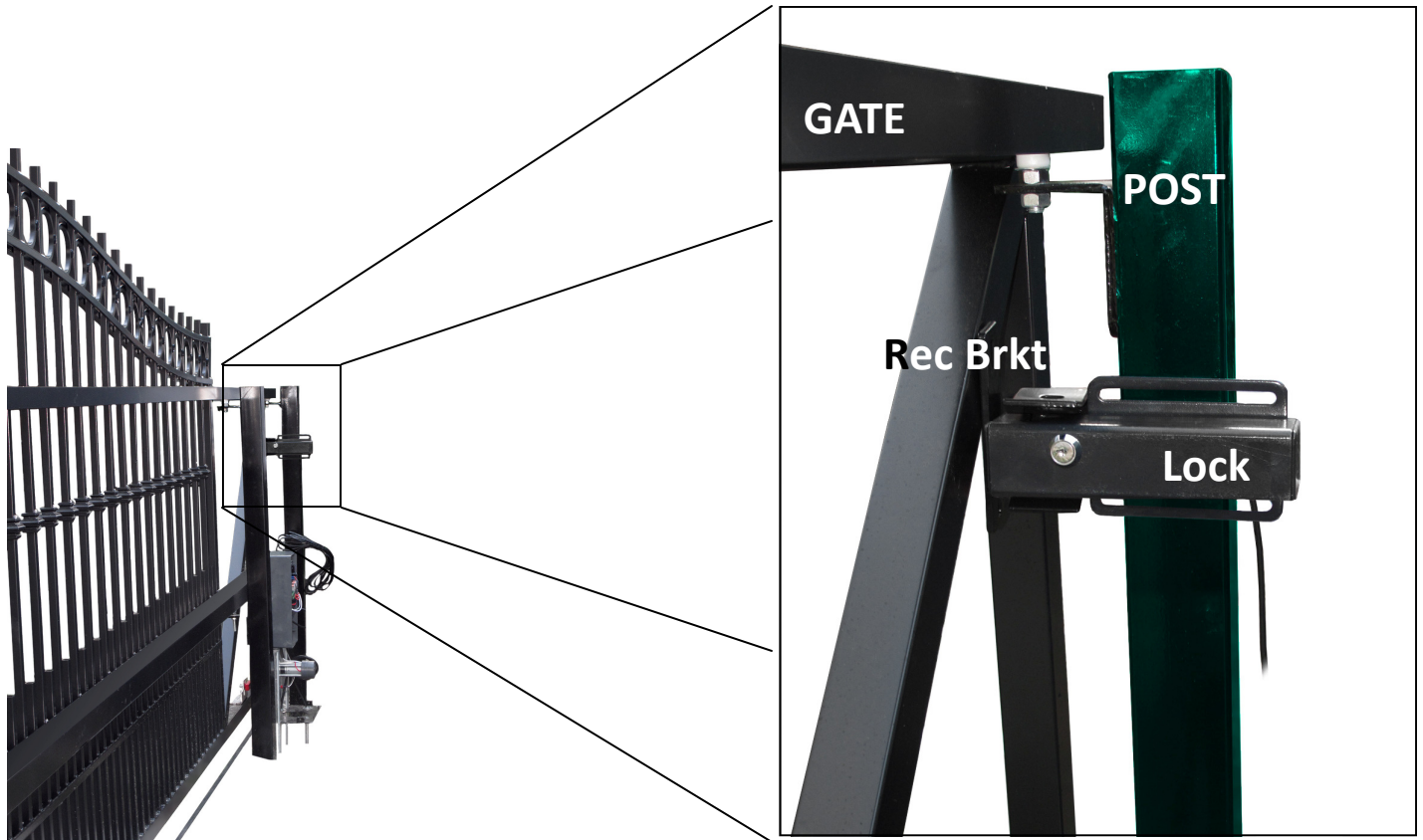
If your slide gate has guide posts you can use one of those posts as seen here



If your slide gate does not have guide posts then install a post next to the tail that can be used for the lock.



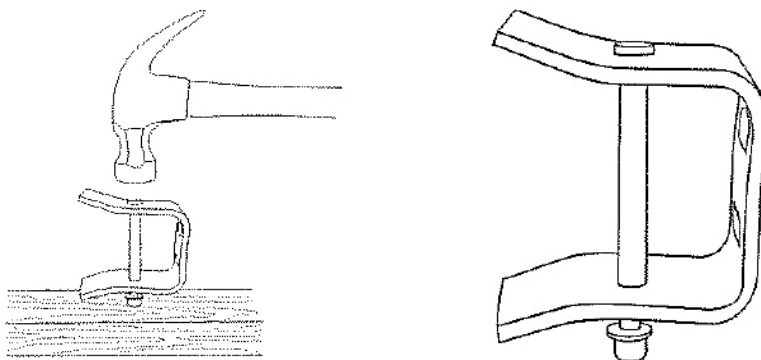
Pick a height on the post so the lock will line up with a place to mount the lock receiver on the gate tail.



The lock is bolted to the post using the appropriate hardware (not included). Then line up the receiving bracket so it is engaged with the lock as seen above and bolt it to the gate.

Insert the clevis pin through the holes in the receiver and hammer the locking cap onto the bottom of the pin. Use a wood block or other solid material underneath the cap when hammering the pin.

Note: It may be easier to remove the receiver from the post and then hammer the pin into the locking cap, a **hard surface**. Then the receiver can be remounted to the post.



Run the wire down the post to the gate opener. It is recommended that the wire is run through conduit for security and damage prevention during yard maintenance.

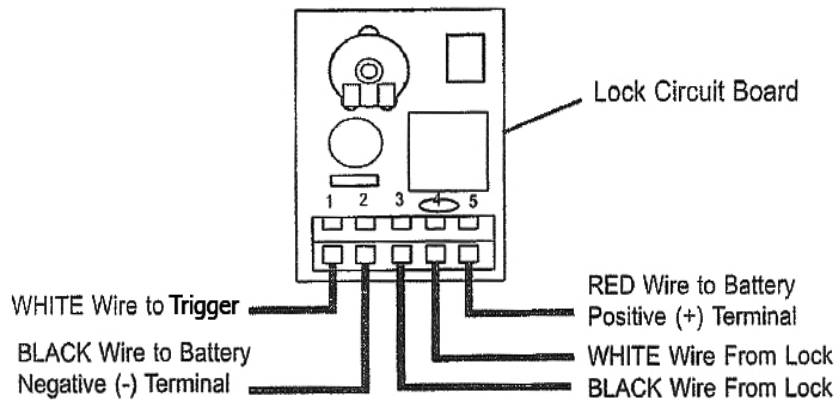


Illustration J

Wiring:

If your gate opener does not have a lock output the lock circuit board is included to make triggering of the lock possible. Follow the drawing above.

Explanation of a trigger: The trigger would be a location on the board in which positive 12VDC power is supplied during the opening cycle. The positive power must be directly provided through the control board from the battery. If the board has a positive power output that is produced by a component of the board rather than a direct pathway opening from the battery, the lock board will not trigger the lock to release. Typically a good source for this trigger will be one of the motor leads.

See GateCrafters.com (type the word help into the search and click the first link to access gate opener specific wiring instructions for gate openers we carry)

Alternate solution if an appropriate trigger is not locatable on the gate opener control board.

- Acquire a 12 or 24 V relay (12 or 24 V depending on the voltage output to the motors) (Automotive store typically have these)
- Wire the coil of the relay into the two motor power output leads of the control board along with the motor wires. (no polarity on relays)
- Wire the N.O. (normally open) terminal of the relay to terminal 1 of the lock control board.
- Wire the COM (common) terminal of the relay to terminal 5 of the lock control board.
- Terminal 5 of the lock control board should still be connected to the positive lead of the battery as well.

Location for lock board in control box:

Use silicone or Velcro and attach the lock control to the inside of the gate opener control box.
Do not expose the lock control board to weather