

PLEASE READ BEFORE INSTALLATION

Familiarize yourself with the gate and post conditions prior to installation. The lock must rigidly mount to the gate post. The armature is designed to pivot slightly to compensate for reasonable misalignment. Due to the wide diversity of gate designs custom mounting brackets may be necessary to facilitate the installation. A DynaLock universal Gate Lock Bracket ("GLB" Option) is available to accommodate the majority of gate applications and may be purchased separately.

HANDLING

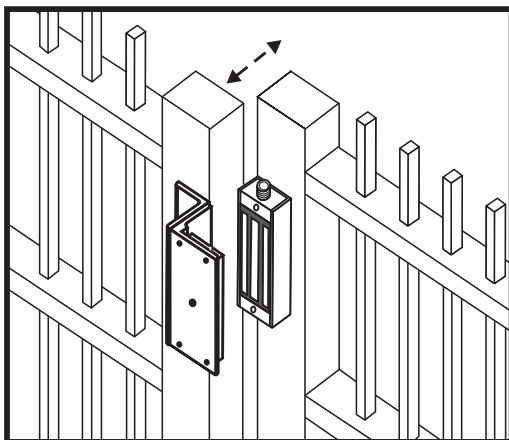
The Electromagnetic lock and armature are ruggedly constructed and designed to provide years of trouble-free service. Care must be taken during installation and use to keep the lock face and armature face free from dirt, rust, burrs, paint, or any other obstruction which may interfere with the lock and armature making good contact.

MAINTENANCE

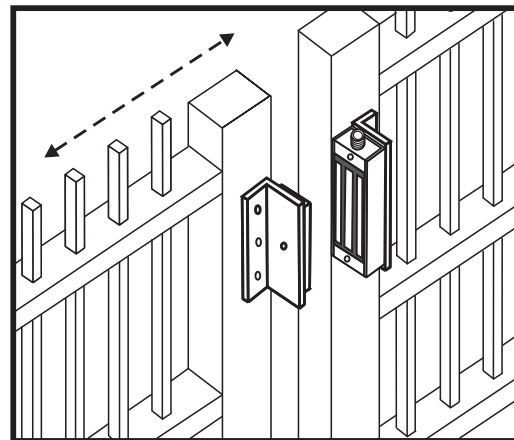
The lock assembly and gate armature have been plated for maximum corrosion resistance. To ensure peak performance clean the lock and armature faces with a mild detergent and a clean, soft cloth, then apply a light coat of WD40 to lubricate and protect these surfaces. This need only be done when dirt build-up is noticed.

GENERAL MOUNTING INFORMATION**SWING GATE**

Typical installation depicting the #2513 lock mounted to the vertical gate post. The armature is mounted to the gate using the adjustable Gate Lock Bracket ("GLB" Option), available from DynaLock.

**SLIDE GATE**

Typical installation depicting the use of "L" brackets custom-fabricated to suit the gate. The #2513 lock is mounted to the vertical gate post. The armature is mounted to the leading edge of the gate.



MOUNTING PREPARATION

1. SURVEY THE INSTALLATION

Inspect the gate and determine if supplemental brackets and/or special mounting hardware will be required for installation (refer to page 1 "General Mounting Information"). If you are using the optional Dynalock Gate Lock Bracket refer to the instructions furnished with the bracket for specific installation information. Fabricate/procure custom bracket(s), hardware, and/or attachments as necessary.

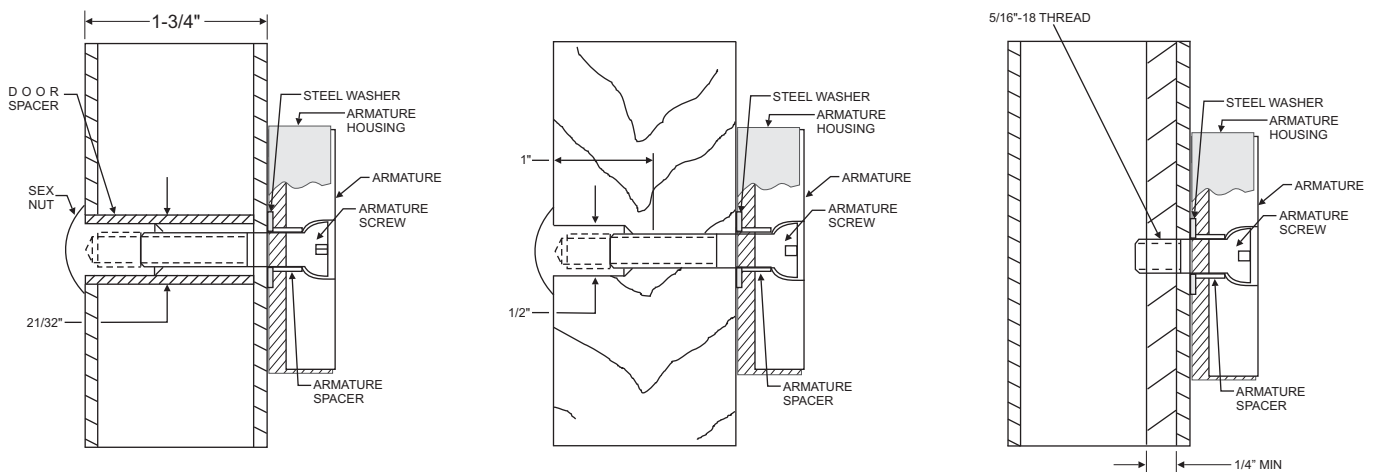
2. PREPARE THE GATE POST FOR MOUNTING THE GATE LOCK ASSEMBLY

Determine the desired location for mounting the 2513 Gate Lock assembly on the gate post. Orient the end of the lock with the 3/4" threaded conduit fitting relative to the location of electrical hook-up wiring.

If you are mounting the lock assembly directly to the post, locate, mark, and drill four (4) 9/64" dia. mounting screw holes as per Fig. "A" on page 3. If using an intermediate bracket to affix the lock assembly to the post, prep the mounting screw holes accordingly.

3. MOUNTING THE ARMATURE

Attach the armature housing to the gate using two (2) #8x1" sheet metal screws or drill and tap for 8-32x3/8" machine screws. Follow hole spacing dimensions shown in Figure B of this manual. Refer to the illustration below to select the correct mounting hardware and mount the armature. **Failure to properly secure the armature to the gate could result in serious injury or possible security breach.**



HOLLOW TUBE GATE

Drill an 11/32" diameter hole through gate. From sex nut side only enlarge the 11/32" hole to 21/32" diameter.

SOLID CORE GATE

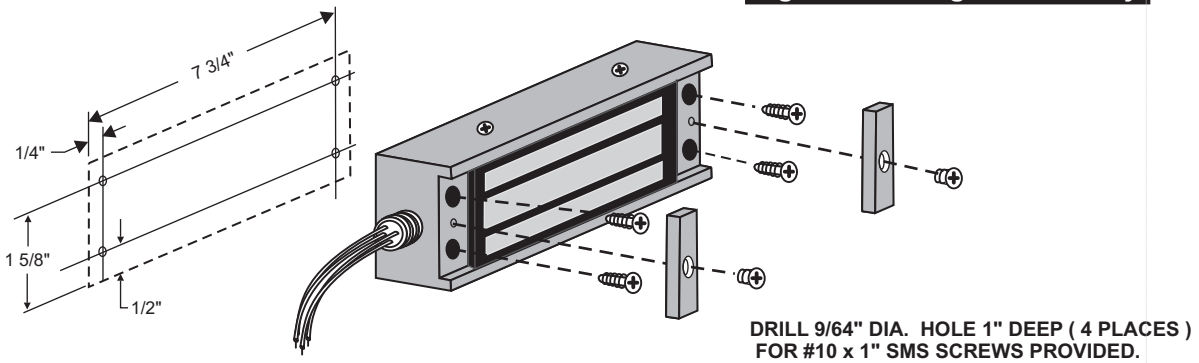
Drill an 11/32" diameter hole through gate. From sex nut side only drill 1/2" diameter hole to 1" depth.

REINFORCED TUBE GATE

Drill an 17/64" diameter hole and tap for 5/16"-18 thread.

INSTALLATION

Figure "A" - Magnet Assembly



5. MOUNTING THE MAGNET

Using a phillips head screw driver mount the magnet assembly to the gate with the four #10 x 1" self-tapping screws provided. Place the end covers on and screw them in with the #8-32x1/4" phillips flat head screw.

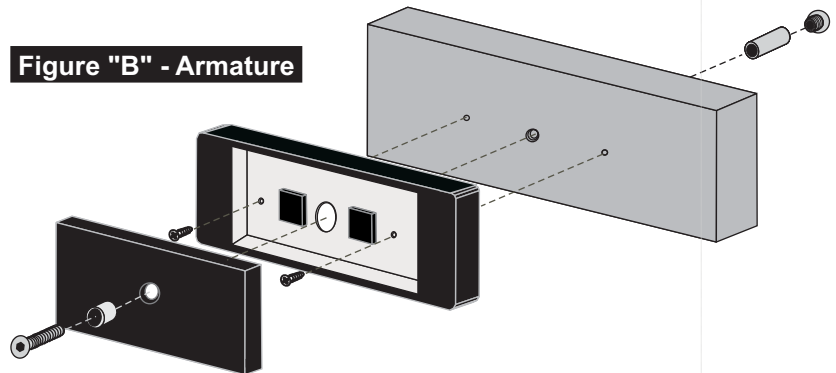
6. VERIFY PROPER ALIGNMENT

Close the gate and verify the lock face and armature are making full contact for the entire armature length. Make corrective adjustments as necessary.

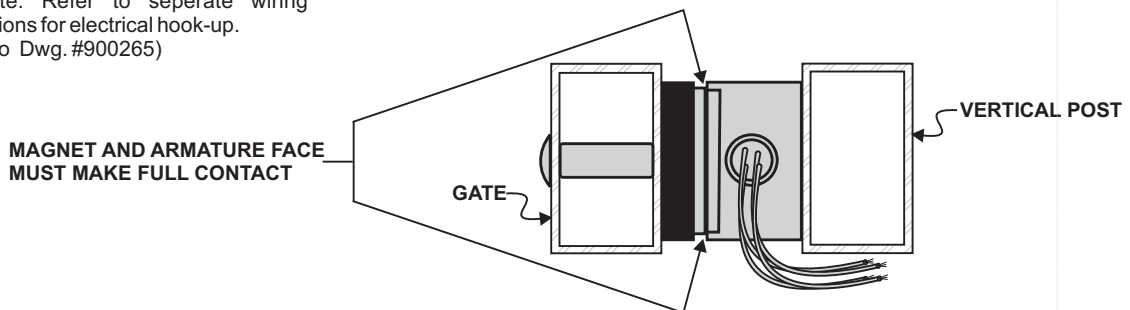
7. COMPLETION

The mechanical installation is now complete. Refer to separate wiring instructions for electrical hook-up. (Refer to Dwg. #900265)

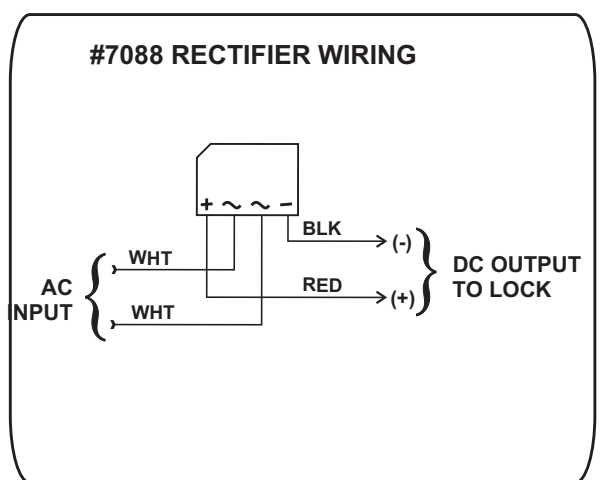
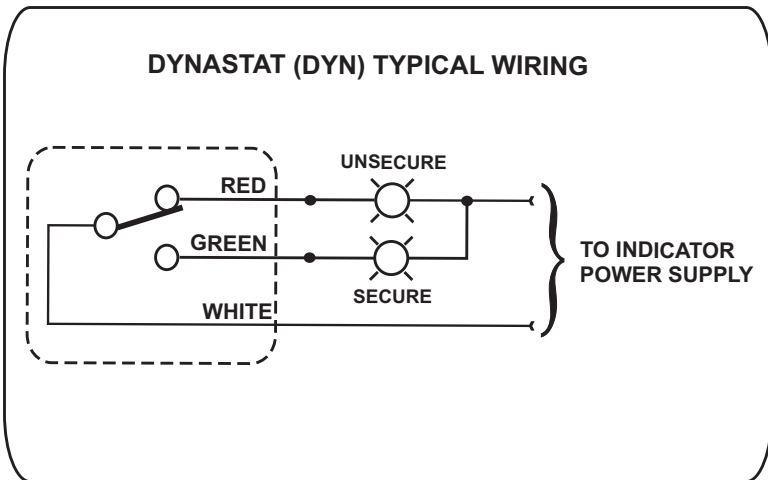
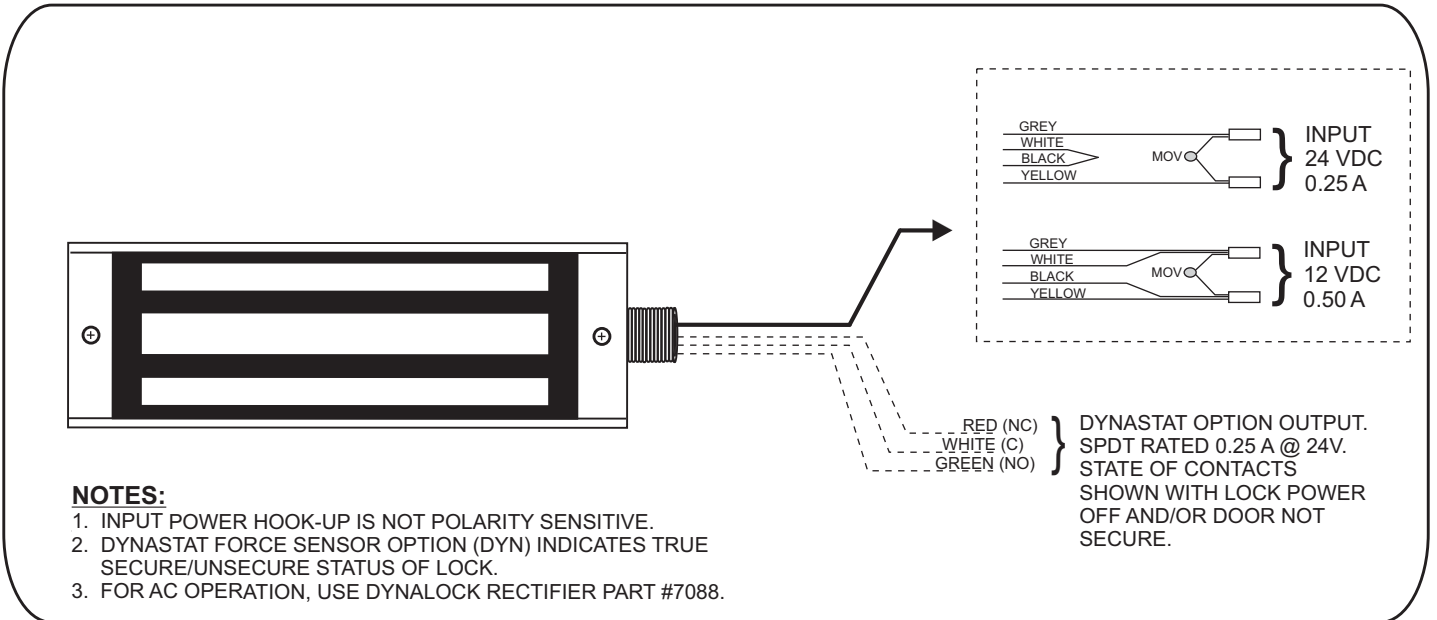
Figure "B" - Armature



TOP VIEW OF 2513 GATE LOCK ASSEMBLY FOR A TYPICAL SLIDING GATE



WIRING INSTRUCTIONS

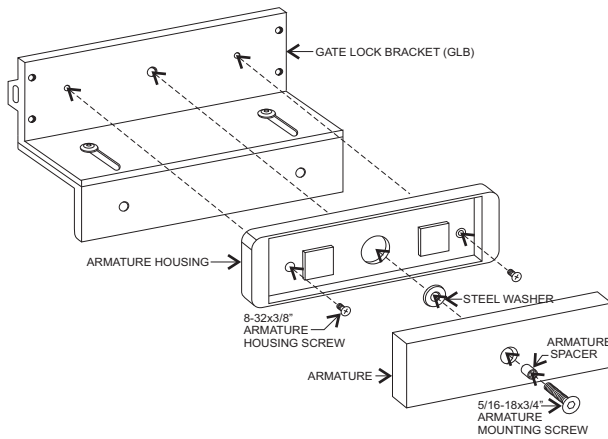


MOUNTING PREPARATION

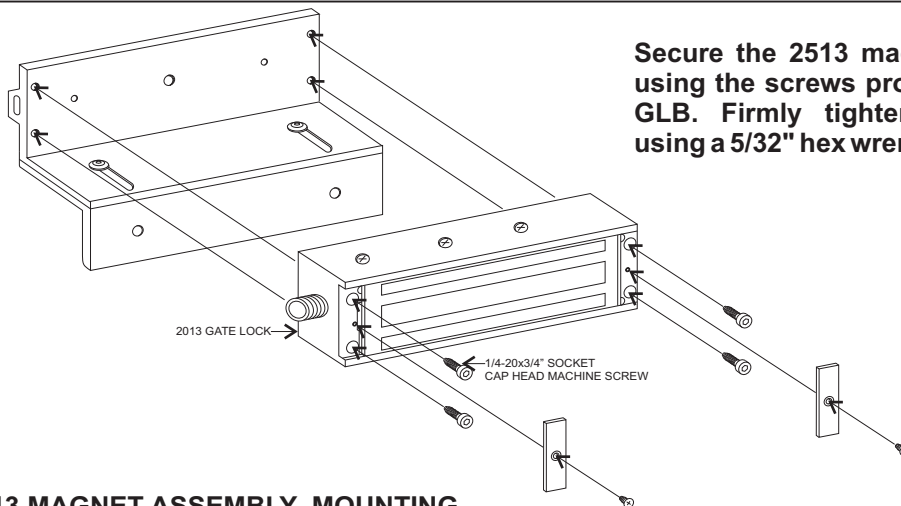
1. DETERMINE THE PREFERRED MOUNTING CONFIGURATION

From the illustrations below determine whether the Gate Lock Bracket will be used to mount the #2513 armature or magnet assembly. Select the hardware indicated and follow the specific instructions to mount the desired component.

2513 ARMATURE MOUNTING



Firmly tighten the armature mounting screw with a 3/16" hex wrench. Failure to properly secure the armature to the bracket could result in serious injury or a possible



Secure the 2513 magnet assembly using the screws provided with the GLB. Firmly tighten the screws using a 5/32" hex wrench.

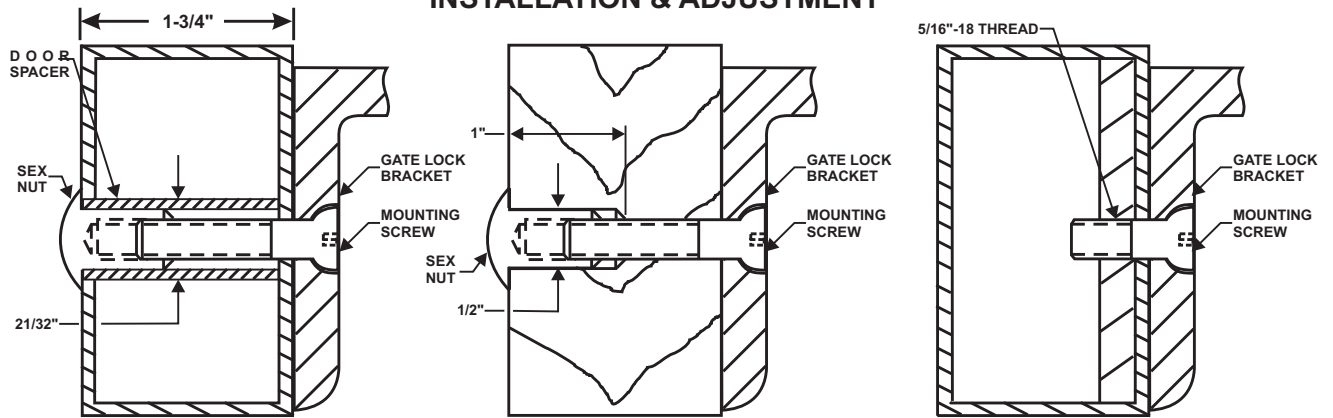
2513 MAGNET ASSEMBLY MOUNTING

2. PREPARE THE GATE FOR MOUNTING THE BRACKET

From the three illustrations on the top of page 6 select the one that resembles your gate type and follow the instructions for drilling the mounting screw holes.

**** The Gate Lock Bracket is an option that is not included in the standard 2513 lock**

INSTALLATION & ADJUSTMENT



HOLLOW TUBE GATE

Drill an 11/32" diameter hole through gate. From sex nut side only enlarge the 11/32" hole to 21/32" diameter.

SOLID CORE GATE

Drill an 11/32" diameter hole through gate. From sex nut side only drill 1/2" diameter hole to 1" depth.

REINFORCED TUBE GATE

Drill an 17/64" diameter hole and tap for 5/16"-18 thread.

3. ADJUSTING THE BRACKET

If necessary the Gate Lock Bracket may be adjusted to compensate for unusual clearance and offset conditions on the gate assembly (Refer to Figure "A"). Adjust the bracket as follows:

- Using the 5/32" hex wrench provided loosen the two bracket assembly screws two (2) full turns each.
- Slide the two halves of the bracket apart as required. Align the locking rib on the bottom of the upper half with a matching groove on the lower half (Refer to Figure "B")
- Firmly re-tighten the assembly screws, verify proper gate and lock alignment and operation and re-adjust as necessary.

Figure "A"

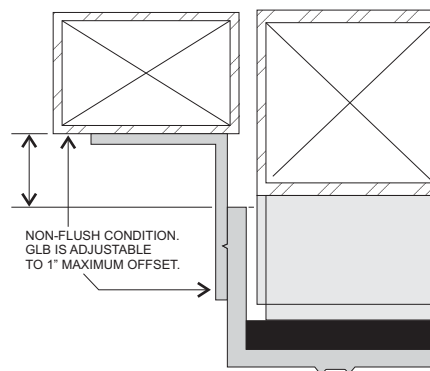
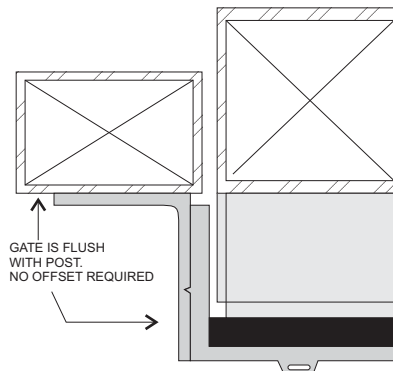
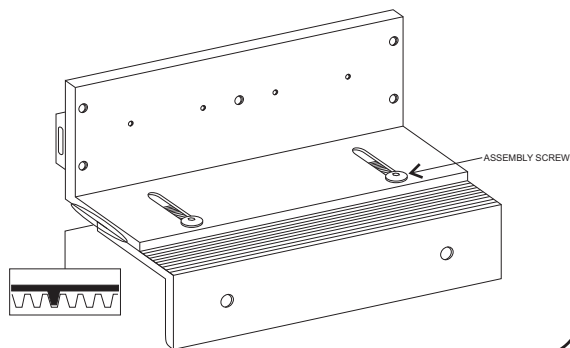


Figure "B" ADJUSTING THE GLB



**** The Gate Lock Bracket is an option that is not included in the standard 2513 lock**

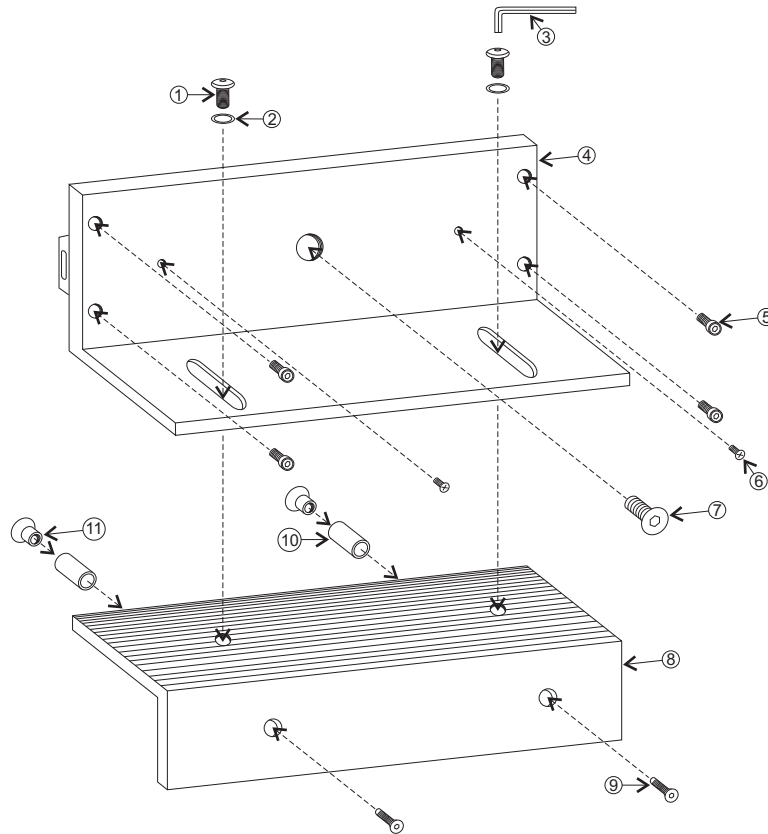
GATELOCK BRACKET BILL OF MATERIAL

- 1 - Mounting Instructions
- 1 - Gate Lock Bracket Assembly
- 1 - Hardware Kit consisting of:
 - 4 - 1/4-20 x 3/4" socket cap head machine screws (Gate Lock Mtg. Screws)
 - 1 - 5/16-18 x 3/4" hex flat head machine screw (Armature Mtg. Screw)
 - 1 - 5/32" Hex Wrench
- 2 - Mounting Bolt Assemblies, each consisting of:
 - 1 - 5/16-18 x 1-3/4" hex flat head machine screw
 - 1 - 5/16-18 Sex Nut
 - 1 - 1-11/16" long Door Spacer

TOOLS REQUIRED

- 1 - Electric Drill
- 1 - 3/16" Hex Wrench
- 1 - 11/32" Drill Bit
- 1 - 21/32" Drill Bit
- 1 - 1/2" Drill Bit
- 1 - 17/64" Drill Bit
- 1 - Hammer
- 1 - Center Punch
- 1 - Pencil

**** The Gate Lock Bracket is an option that is not included in the standard 2513 lock**



DESCRIPTION

- 1. Assembly Screw
- 2. Lock Washer
- 3. Hex Wrench
- 4. Upper Bracket
- 5. Lock Mtg. Screw
- 6. Armature Housing Mtg. Screw
- 7. Armature Mounting Screw
- 8. Lower Bracket
- 9. Mounting Screw
- 10. Door Spacer
- 11. Sex Nut

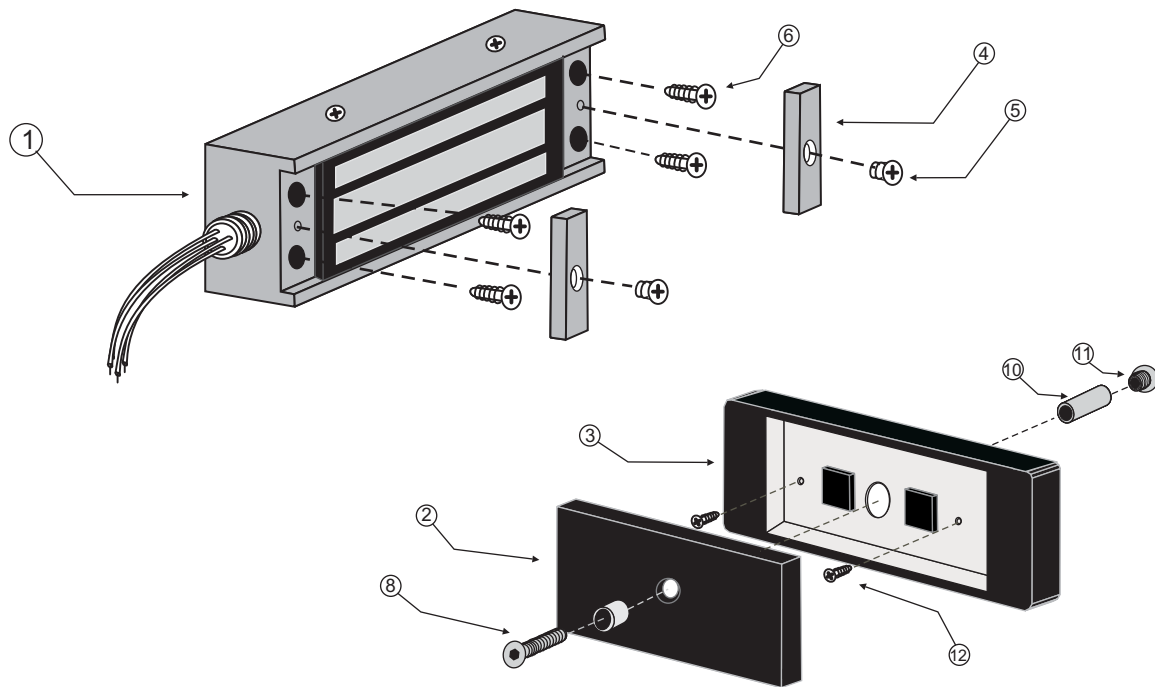
GATE LOCK BRACKET EXPLODED VIEW

2013 BILL OF MATERIAL

- 1 - Mounting Instructions
- 1 - Wiring Instructions
- 1 - Electromagnetic Gate Lock
- 1 - Hardware Kit

TOOLS REQUIRED

- 1 - Electric Drill
- 1 - #2 Phillips Head Screw Driver
- 1 - Soft-faced Mallet
- 1 - 3/16" Hex Wrench
- 1 - 11/32" Drill Bit
- 1 - 21/32" Drill Bit
- 1 - 17/64" Drill Bit
- 1 - 9/64" Drill Bit
- 1 - 1/4" Drill Bit
- 1 - Hammer
- 1 - Center Punch
- 1 - Pencil



DESCRIPTION

PART NUMBER

- | | |
|--------------------------------------|--------------------------------|
| 1. Magnet Assembly | |
| 2. Armature | 300141 |
| 3. Armature Housing | 301332 |
| 4. End Cover | |
| 5. End Cover Mounting Screws | |
| 6. Mounting Screws | |
| 7. Armature Spacer | |
| 8. Steel Washer | } Hardware Kit
Part #301453 |
| 9. Armature Bolt | |
| 10. Door Spacer | |
| 11. Sex Nut | |
| 12. Armature Housing Mounting Screws | |

2513

EXPLODED VIEW