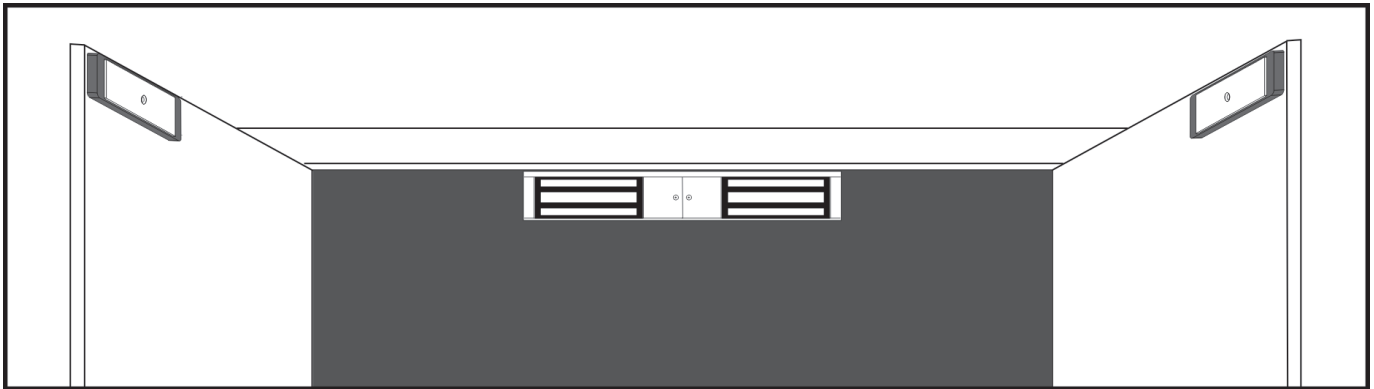


INSTALLATION DESCRIPTION

The Series 2022 is a 1200 pound holding force electromagnetic lock designed to secure a double outswinging door. The lock requires both installation procedures as described herein and in the separate wiring instructions included.

Typical installation of the lock on a double outswing door:



HANDLING

Care must be taken that the lock face and armature face are kept free of dirt, rust, paint, or any other obstruction which may interfere with the lock and armature making good contact. These faces may be cleaned with a non-abrasive pad and wiped with an oil dampened cloth.

MECHANICAL INSTALLATION

Familiarize yourself with the door and frame conditions. The lock must mount rigidly to the face of the door frame header. The door mounted armature is supplied with an adjustable mounting bracket and hardware that allows it to pivot slightly to compensate for reasonable misalignment.

NOTE: If this lock is supplied with the DSM2 option be certain that disc magnets are present inside each armature housing.

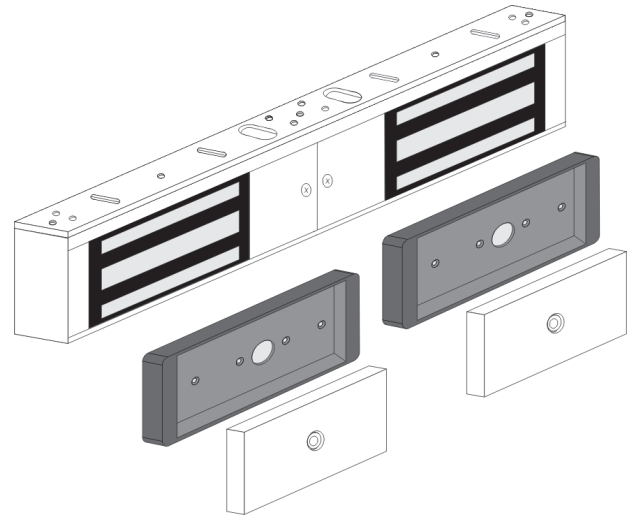
ELECTRICAL INSTALLATION

After mechanical installation is complete the lock needs to be wired to a 12 or 24 VDC/VAC power source. Once low voltage power is supplied the unit is fully operational. All other wiring is for selected options. Refer to the separate wiring instructions included for further information.

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MODEL #2022 BILL OF MATERIALS



- (1) 2022-392 LOCK ASSEMBLY
- (2) ARMATURE
- (2) ARMATURE HOUSING
- (2) HARDWARE KIT
- (1) 3/16" SHORT ARM HEX WRENCH
- (1) MOUNTING TEMPLATE
- (1) INSTALLATION MANUAL
- (1) WIRING MANUAL

REQUIRED TOOLS

- (1) Electric Drill
 - (1) #2 Phillips Screw Driver
 - (1) Soft Faced Mallet
 - (1) Hammer
 - (1) Center Punch
 - (1) 3/16" Hex Wrench
 - (1) Pencil & Tape
- Drill Bits: 1/8", 17/64", 11/32", 1/2", 9/16", 21/32"

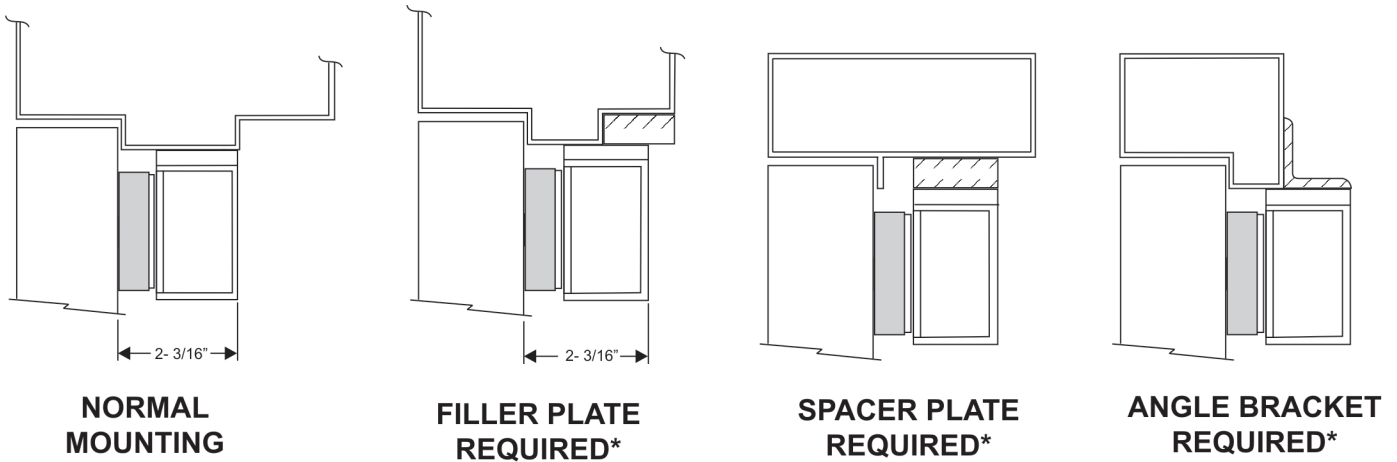
HARDWARE KIT CONTENTS PN# 301316 X2 PER LOCK

QTY.	ITEM	DESCRIPTION
6	Baseplate Mounting Screws	#10x1" phillips pan head sheet metal screw
6	Baseplate Mounting Screws	#10-24x1/2" phillips pan head machine screw
1	Armature Mounting Screw	5/16-18x2" hex fat head machine screw, turned
4	Armature Housing Screws	#8x1" phillips fat head sheet metal screw
4	Armature Housing Screws	8-32x3/8" phillips fat head machine screw
1	Armature Spacer	3/8"Dx0.235"L spacer
1	Steel Washer	1/4" fat steel washer
1	Door Spacer	5/8"Dx1-11/16"L spacer
1	Sex Nut	5/16-18 sex nut
3	Plug Button	Plug Button 9/32"

NOTE: For further parts clarification refer to the Exploded Parts View on page 6 or consult factory.

MOUNTING CONSIDERATIONS

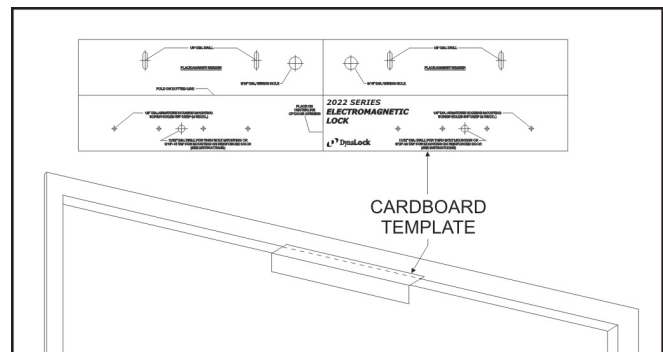
Inspect the door frame and determine if an angle bracket or filler plate will be required for installation. The lock will require a 2" wide header stop for a suitable mounting surface.



*See Price Book or Call DynaLock Corp.

USING THE TEMPLATE

1. Fold the template on the dotted line to form a 90 degree angle. Scoring the template with a straight edge and a screwdriver will make it fold easier.
2. With the doors in the closed and latched position, from the push side, place the template against the header and doors in the center of the frame, and tape in place.
3. Transfer all hole locations to both the doors and header with a center punch, then remove the template from the door.

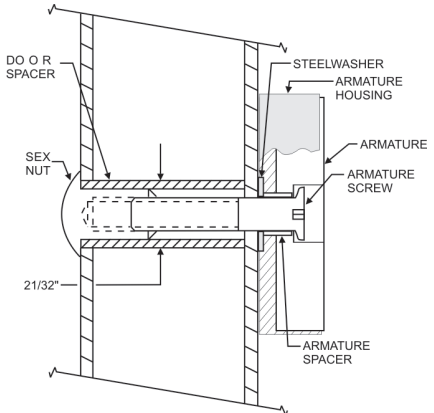
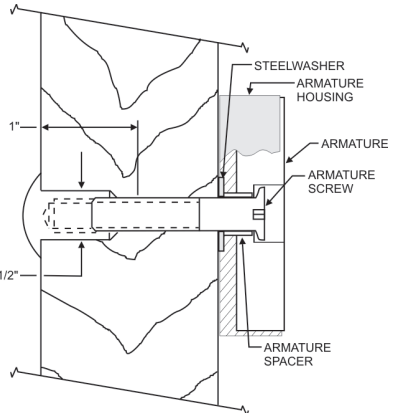
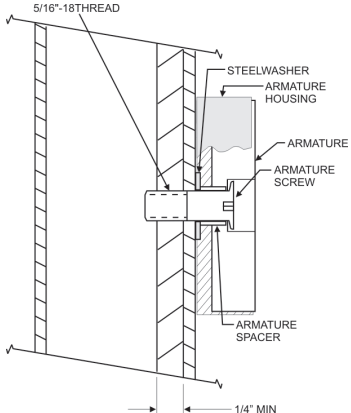


4. Referring to the template drill four 1/8" dia. lock mounting holes (or tap for 10-24) and one 9/16" dia. wiring hole in the top of the frame, at the transferred locations. Remaining mounting holes will be drilled after lock is first mounted and adjusted (page 6).
5. Drill the remaining transferred holes in the face of the doors to accept the Armatures following the instructions on page 4 for your specific door type.

MOUNTING THE ARMATURE

From the three illustrations below select the one that resembles your door type and follow the instructions for drilling the Armature mounting screw hole. (See Template)

Drill four (4) 1/8" dia. holes for #8 x 1" sheet metal screws or drill and tap for #8-32 x 3/8" machine screws (See Template).

GLASS AND ALUMINUM OR HOLLOW METAL DOOR	SOLID CORE DOOR	REINFORCED DOOR
 <p data-bbox="154 1312 527 1459">Drill an 1 1/32" diameter hole through the door. From the sex nut side only enlarge the hole to 21/32" diameter.</p>	 <p data-bbox="641 1312 1015 1459">Drill an 1 1/32" diameter hole through the door. From the sex nut side drill 1/2" diameter hole to 1" depth.</p>	 <p data-bbox="1128 1312 1502 1459">Drill a 17/64" diameter hole and tap for 5/16-18 thread</p>

Mount the Armature Housing to each door using four (4) #8 x 1" sheet metal screws or #8-32 x 3/8" machine screws.

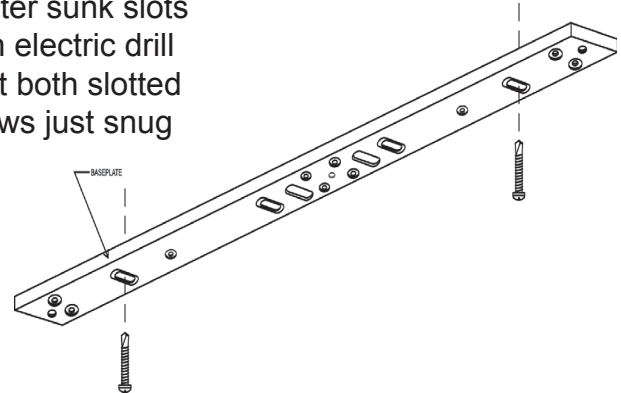
Place the Armature inside the Armature Housing and secure using the proper hardware, according to the above illustrations. Firmly tighten the Armature mounting screw with a 3/16" hex wrench.

Failure to properly secure the Armature to the door could result in serious injury or possible security breach.

MOUNTING THE LOCK

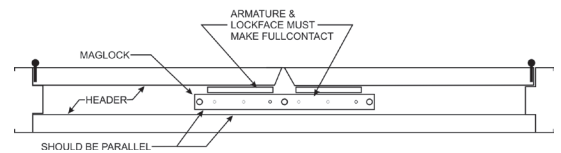
1) Mounting the baseplate to the header:

Separate the baseplate from the lock housing with the hex wrench. Place the baseplate against the header with the counter sunk slots visible, and the large slot over the wire hole. Using an electric drill with a Philips bit attach the baseplate to the header at both slotted locations with the screws provided. Tighten the screws just snug enough to allow for final adjustments.



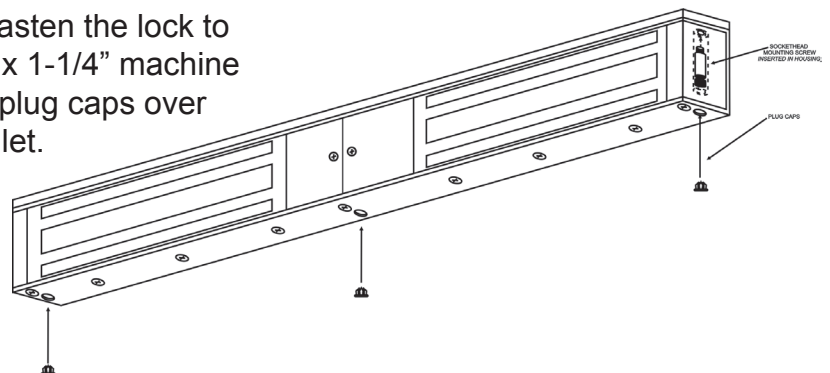
2) Aligning the lock and armature:

Close and latch the door. Temporarily mount the lock to the baseplate and verify the lock face and the armature are making full contact for the entire length of the armature. If any adjustment required gently tap the baseplate with a soft mallet until full contact is achieved. Mark the two baseplate corner locations lightly with a pencil for reference. Remove the lock from the baseplate and tighten both adjustment screws. Drive the remaining 4 screws into the header using the baseplate as a physical template. Screw heads must not project above the baseplate.

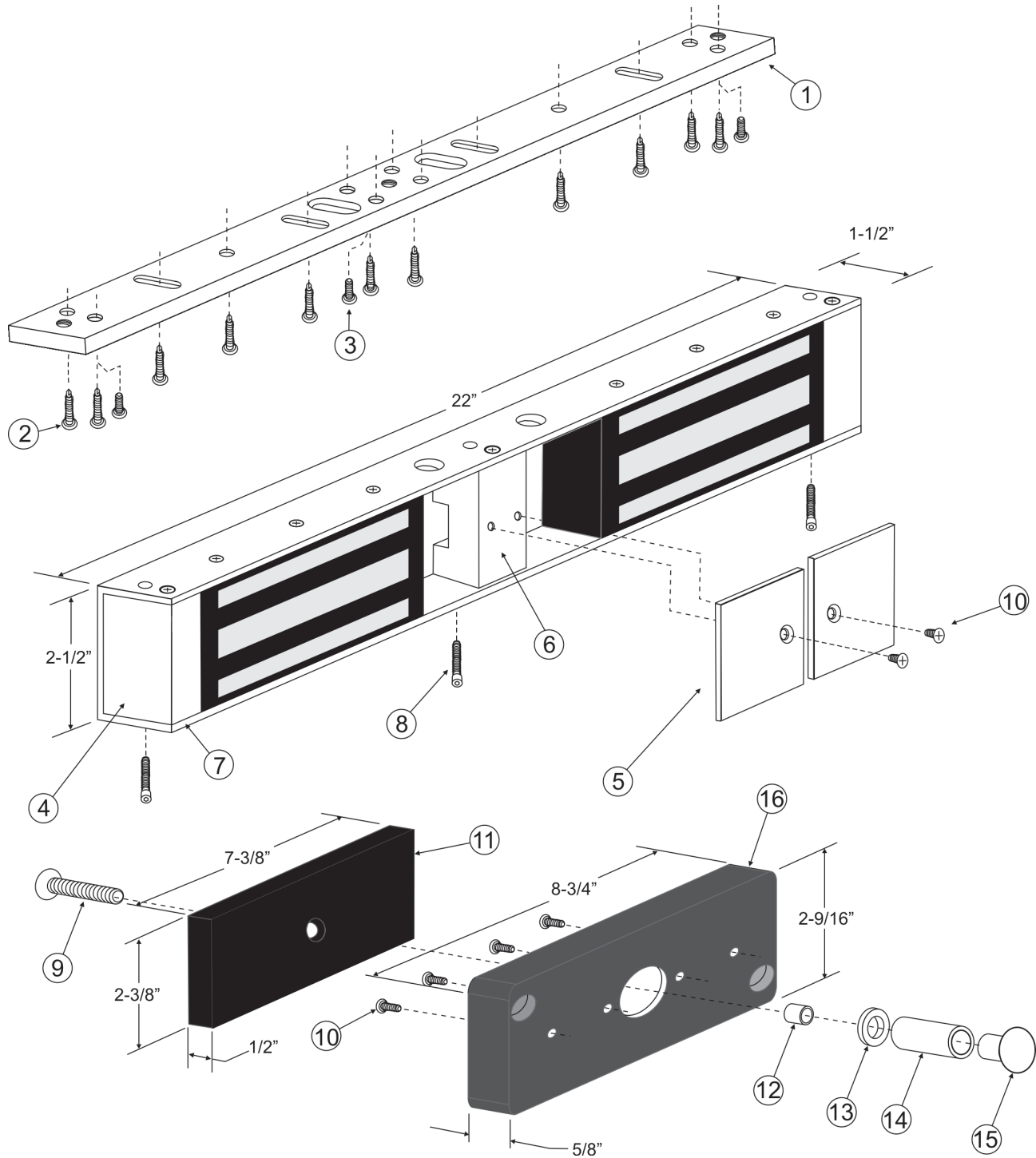


3) Attaching the lock to the baseplate

Using the Hex wrench, permanently fasten the lock to the baseplate with the three 1/4" - 20 x 1-1/4" machine screws removed in step 1. Install the plug caps over the mounting screws with a small mallet.



EXPLODED PARTS VIEW





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**MODEL 2022 DOUBLE/OUTSWING
 ELECTROMAGNETIC LOCK
 INSTALLATION INSTRUCTIONS**

PARTS LEGEND

ITEM	DESCRIPTION	PART #
1	MOUNTING BASEPLATE	300122
2	#10x1" SELF TAPPING SCREW	*****
3	10-24x1/2" MACHINE SCREW	*****
4	END BLOCK	300469
5	ACCESS COVER	300009
6	CENTER BLOCK	300123
7	HOUSING	300121
8	Lock Mounting Bolt	300603
9	5/16-18 ARM. SCREW TURNED	*****
10	8-32x3/8" MACHINE SCREW	*****
11	ARMATURE	300373
12	ARMATURE SPACER	*****
13	STEEL WASHER	*****
14	DOOR SPACER TUBE	*****
15	SEX NUT	*****
16	ARMATURE HOUSING ASSEMBLY	301334

******* Parts are located in hardware pack.
 Refer to Page 6 for parts locations.**



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**MODEL 2022 DOUBLE/OUTSWING
ELECTROMAGNETIC LOCK**

INSTALLATION INSTRUCTIONS

**PLEASE DELIVER THIS MANUAL
TO THE END-USER UPON COMPLETION
OF THE INSTALLATION**

**FOR PRODUCT SUPPORT AND PARTS
ORDERING INFORMATION CONTACT:**

DynaLock Corp.
705 Emmett Street
Bristol, CT 06010
Bus: (877) 396-2562 Toll-Free
(860) 582-4761
Fax: (860) 585-0338

DYNALOCK ON THE INTERNET:

E-mail: info@dynalock.com
Website: www.dynalock.com



**NYC Mea #23-92-E
GWXT Auxiliary Lock**