M400 Series TJ Locks

44487312

Electromagnetic Locks for Inswinging Doors
M420TJ, M422TJ, M450TJ, M452TJ, M490TJ, M492TJ

Installation Instructions

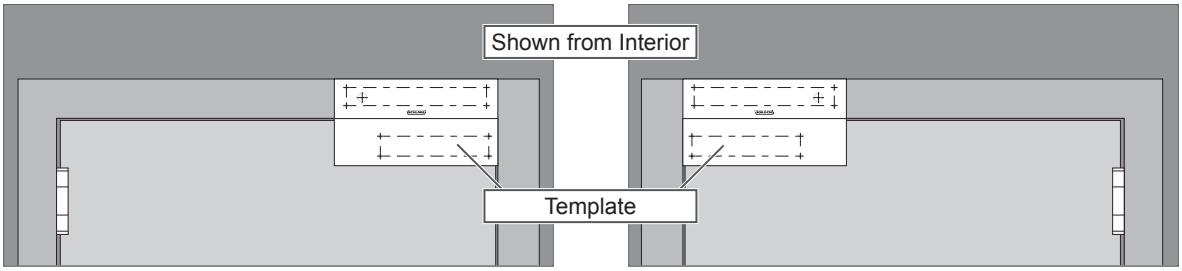
ⓘ **These instructions cover only the mounting of the lock(s) using TJ brackets. Before proceeding with installation, see main electromagnetic lock instructions for the following information:**

- Electrical Specifications
- Reorienting the Magnet
- ATS and MBS Indicator Installation
- Connecting Wiring to Board

1 Place template and prepare holes.

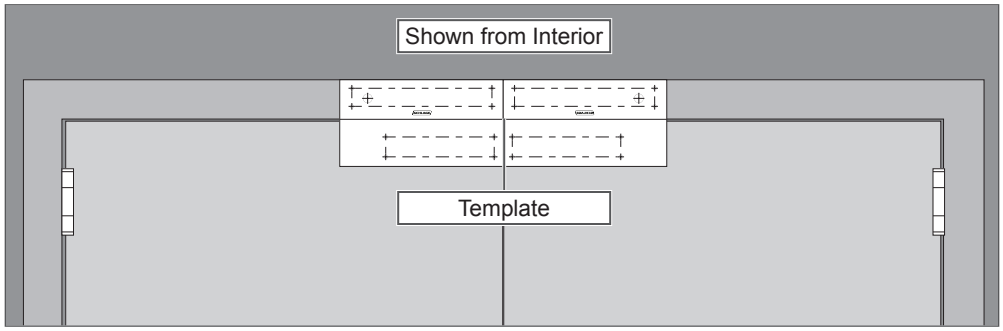
Single

a. Place template on top corner, opposite of hinges.
b. Mark holes and prepare them per template.



Double

a. Place template on top centerline of doors.
b. Mark holes and prepare them per template.

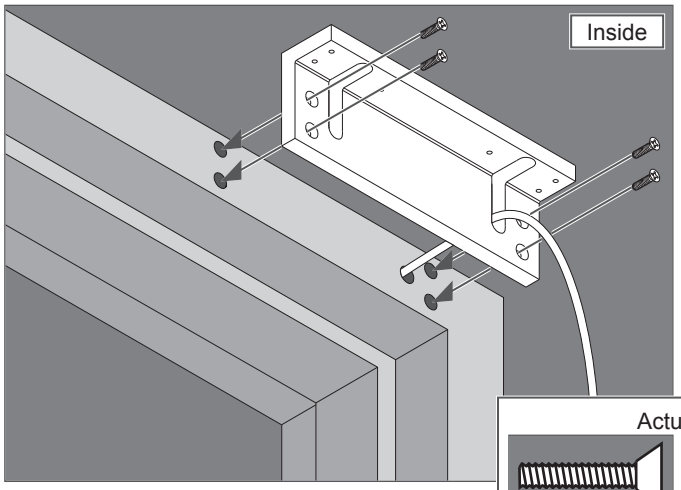


2 Reorient the magnet(s)

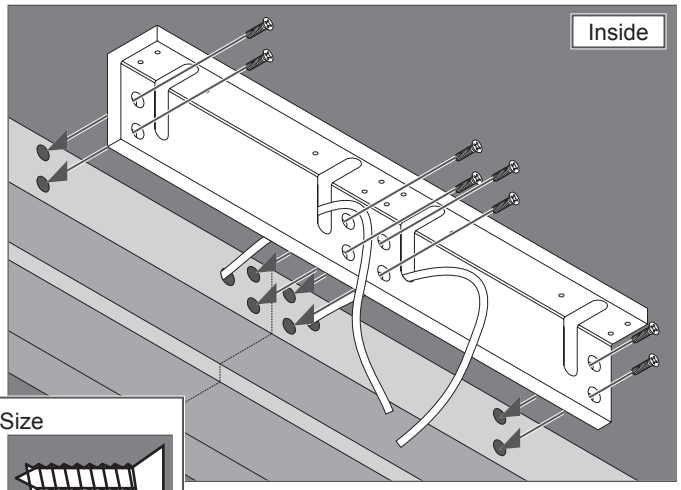
- SINGLE LOCKS: The magnet may need to be reoriented before installation, depending on the handing of your door.
- DOUBLE LOCKS: The magnet in one of the locks must be reoriented before installation.
- See the instructions that came with your lock(s) for information about magnet orientation.

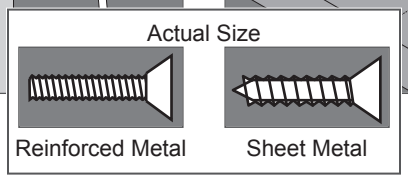
3 Attach frame L-Bracket.

Single



Double

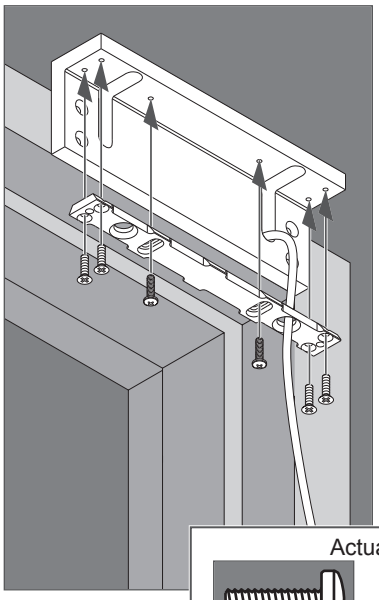




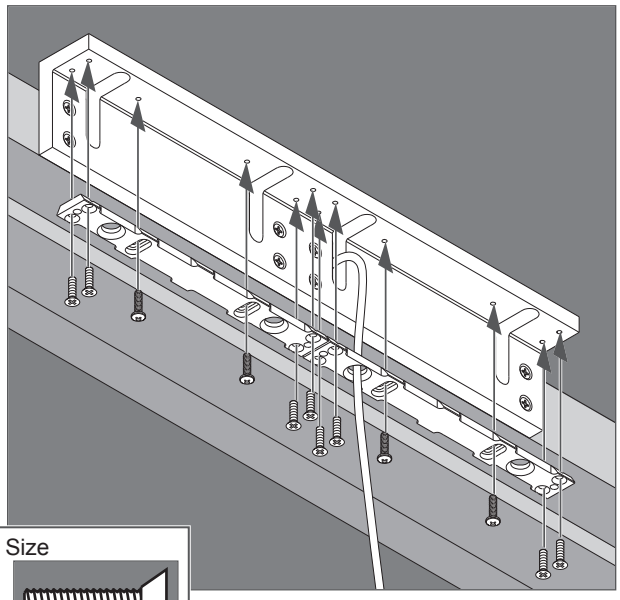
4 Attach mounting bracket(s).

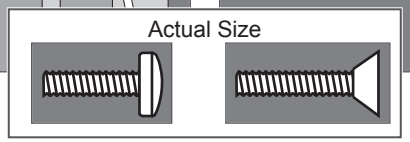
a. Place template on gate and post surfaces as marked on template.
b. Mark holes and prepare them per template.

Single



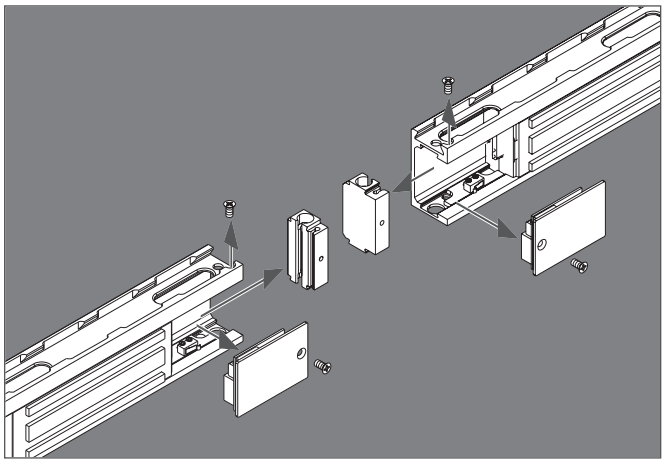
Double



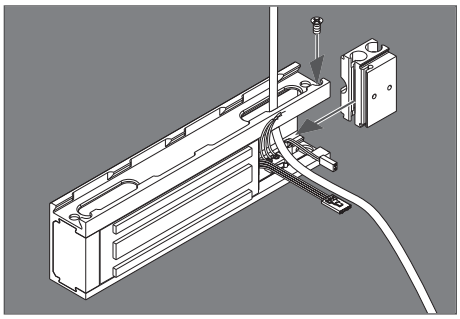


5 Double lock ONLY: Install join block.

5a Remove wiring covers and end blocks.

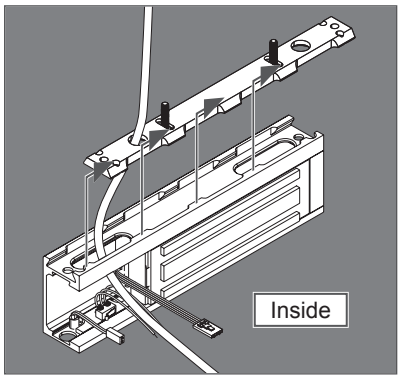


5b Install join block.

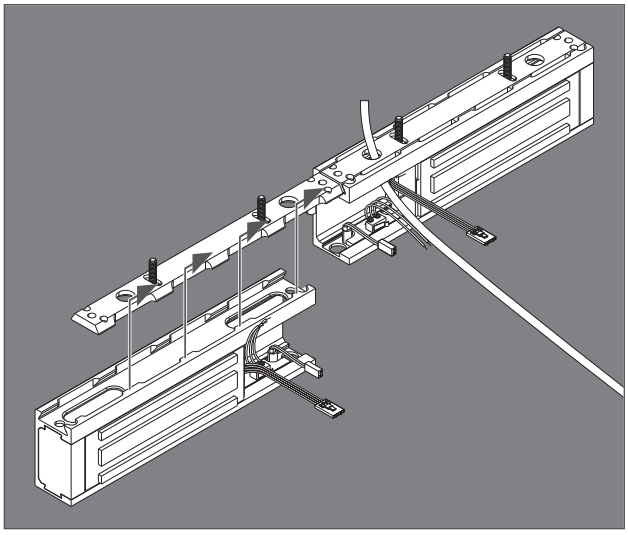


6 Install magnet(s).

6a SINGLE AND DOUBLE LOCKS: Slide magnet onto bracket.

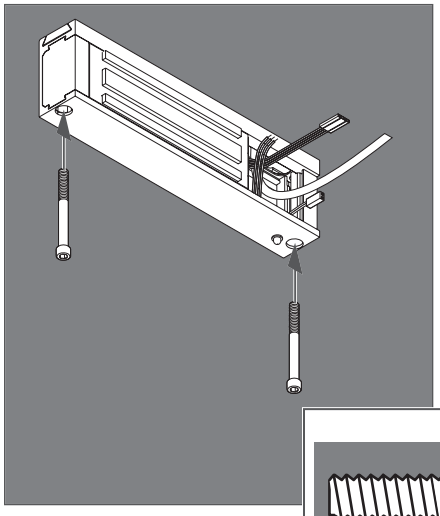


6b DOUBLE LOCK ONLY: Slide second magnet onto bracket. Join block slides into first magnet housing.

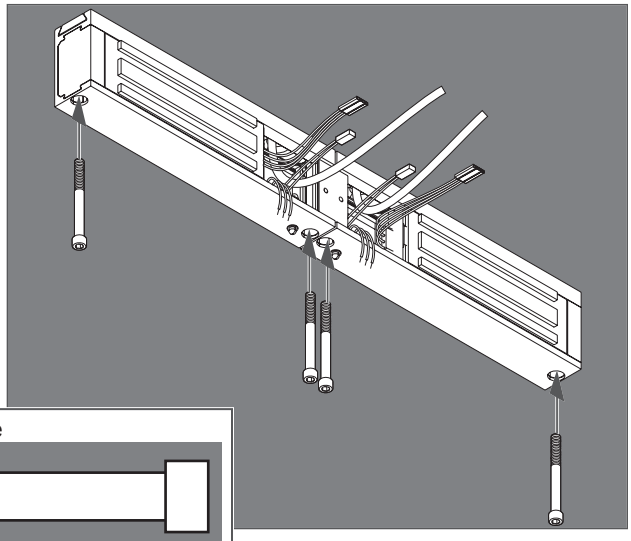


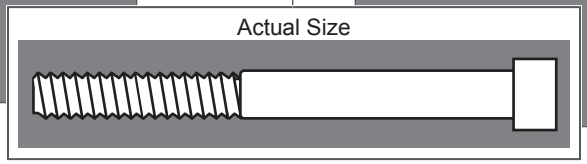
7 Secure magnet(s).

7a Single lock.



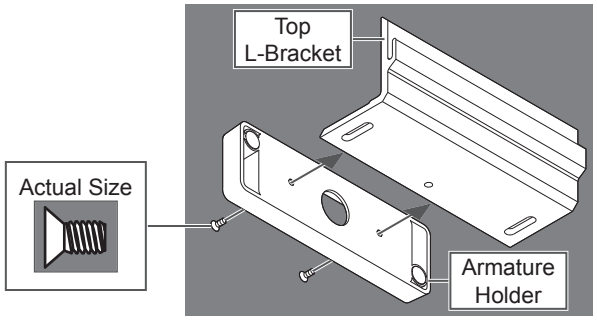
7b Double lock





8 Assemble armature

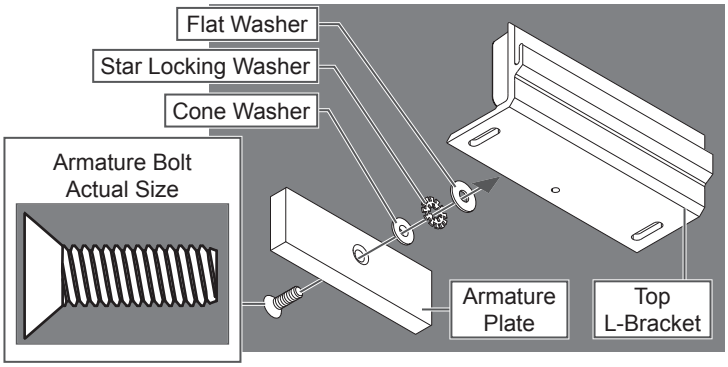
8a Attach armature to top L-Bracket.



8b Attach armature plate to armature holder.

WARNING

Use bolt from TJ kit.
M490 armature must be disassembled to replace armature bolt.



8c Attach bottom L-Bracket to door.

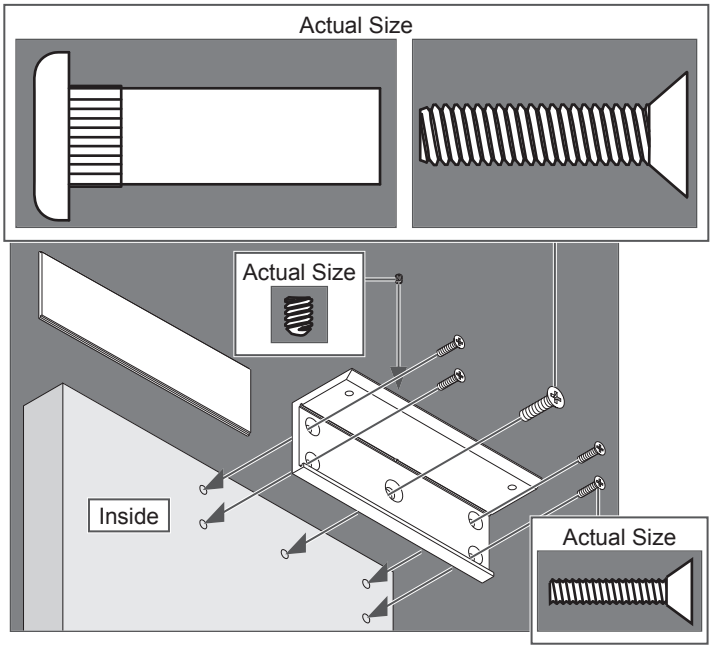
WARNING

The included sex nut is for 1¾" (45 mm) doors ONLY. For other door thicknesses, please contact customer service, 1-877-671-7011. Using the incorrect sex nut for your door thickness will lead to improper function and possible injury.

Armature bolt must be tightened to at least 120 in.-lbs. for all doors except composite wood doors. For composite wood doors, tighten only to tight and flush. 120 in.-lbs. may damage composite wood doors.

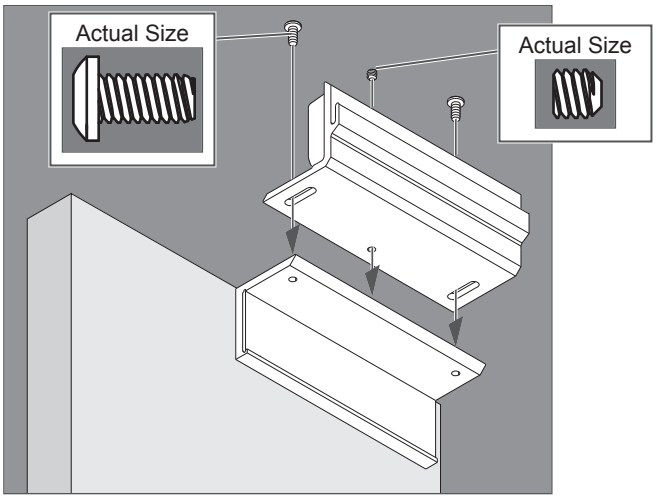
DO NOT back off bolt after tightening! Backing off the bolt after tightening will loosen the thread-locking patch, which may allow the bolt to loosen over time.

ⓘ **Use bolt that came with lock.**



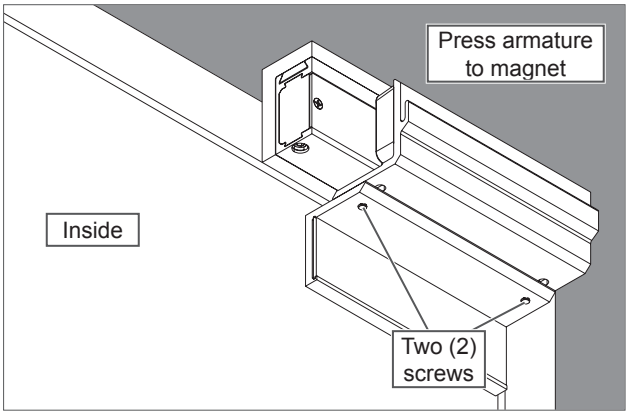
9 Attach and adjust armature.

9a Attach armature assembly to bottom L-Bracket



9b Adjust armature

a. Close door.
b. Press armature to fully engage with magnet.
c. Fully tighten two screws and set screw to lock position.
d. If double, repeat adjustment process on second door.



Customer Service

1-877-671-7011 www.allegion.com/us

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