70TJ Series Magnetic Lock

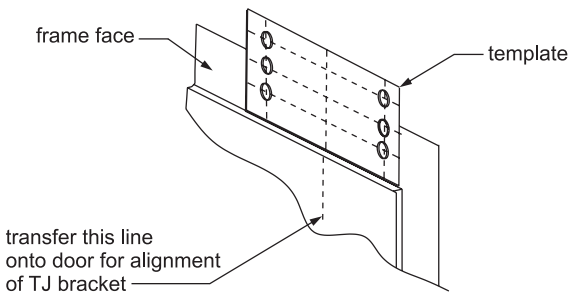
700194

Installation Instructions & Cut-Out Template

The 70TJ Series magnet is powered by 12 or 24VDC only. Schlage offers several power supplies which can be used to power magnetic locks. Magnetic locks are usually controlled by an access control reader (card, prox, etc.) and an egress device such as an exit device with a switch, pushbutton and/or motion detector. In most cases it is required that activation of building's fire alarm system cause all magnetic locks to unlock. Consult local authority having jurisdiction regarding system requirements for local life safety and electrical codes.

1) Place template on frame face as shown. Leave room if required for existing door hardware such as vertical rod panic hardware, etc. Drill required holes.

NOTE: Many frame faces are not tall enough for all holes to be drilled. In such cases, prep the three holes which fall on the frame face for blind nuts and use masonry anchors or other appropriate fasteners for the top two holes. It is critical that the three fasteners on the frame face are properly installed.

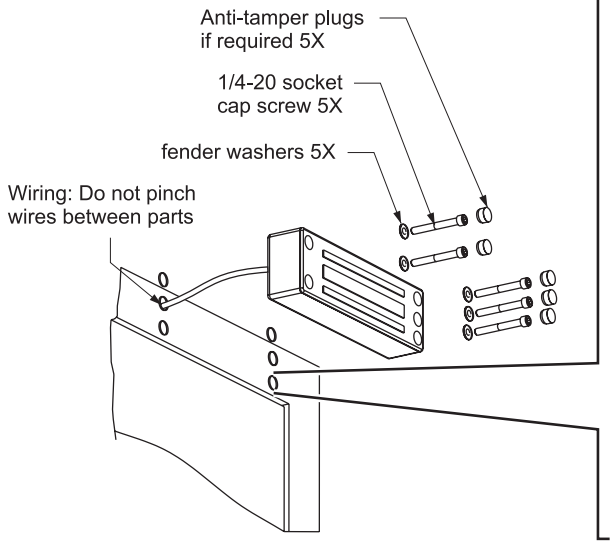


2) Refer to wiring chart and make wiring connections.

WIRING:		
Red	(+)	0.300A@12VDC
Black	(-)	0.150A@24VDC
White	MBS C	1.0A max.@30VDC
Green	MBS NO	
Orange	MBS NC	
Contact shown with lock unlocked		
Yellow	DSM C	0.10A max.@30VDC
Blue	DSM NO	
Brown	DSM NC	
Contact shown with door opened		

3) Install magnet.

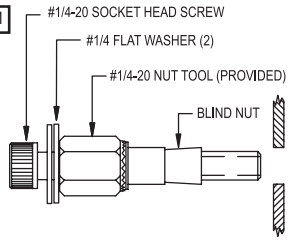
NOTE: Top two blind nuts might fall on wall area. Use appropriate reinforcement as required to attain rated holding force.
NOTE: Magnet and armature must mate when door is in closed (and latched if applicable) position. Adjust by adding/subtracting shim washers.



A. Drill a 9/32" hole.

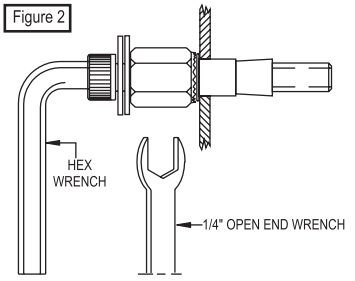
B. Refer to Figure 1.
- Assemble the supplied parts.
- Insert into hole.

Figure 1



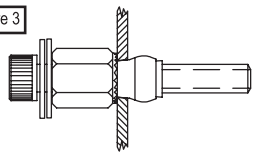
C. While holding tool in place with wrench, tighten to colapse nut with hex wrench. **IMPORTANT: DO NOT OVERTIGHTEN**.

Figure 2



D. Figure 3 shows completed installation of blind nut.

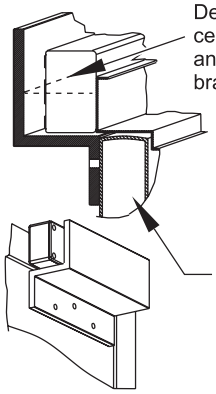
Figure 3



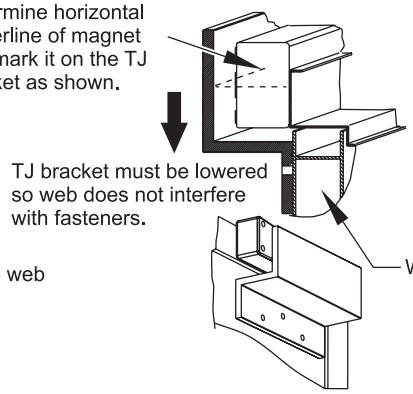
E. Repeat steps **A**, **B** and **C** for additional blind nuts.

4) Prepare TJ bracket
Drill holes for armature
Mark holes for mounting armature

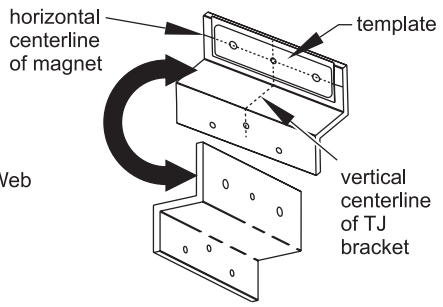
NARROW STILE ALUMINUM DOOR



TYPICAL HOLLOW METAL DOOR w/WEB

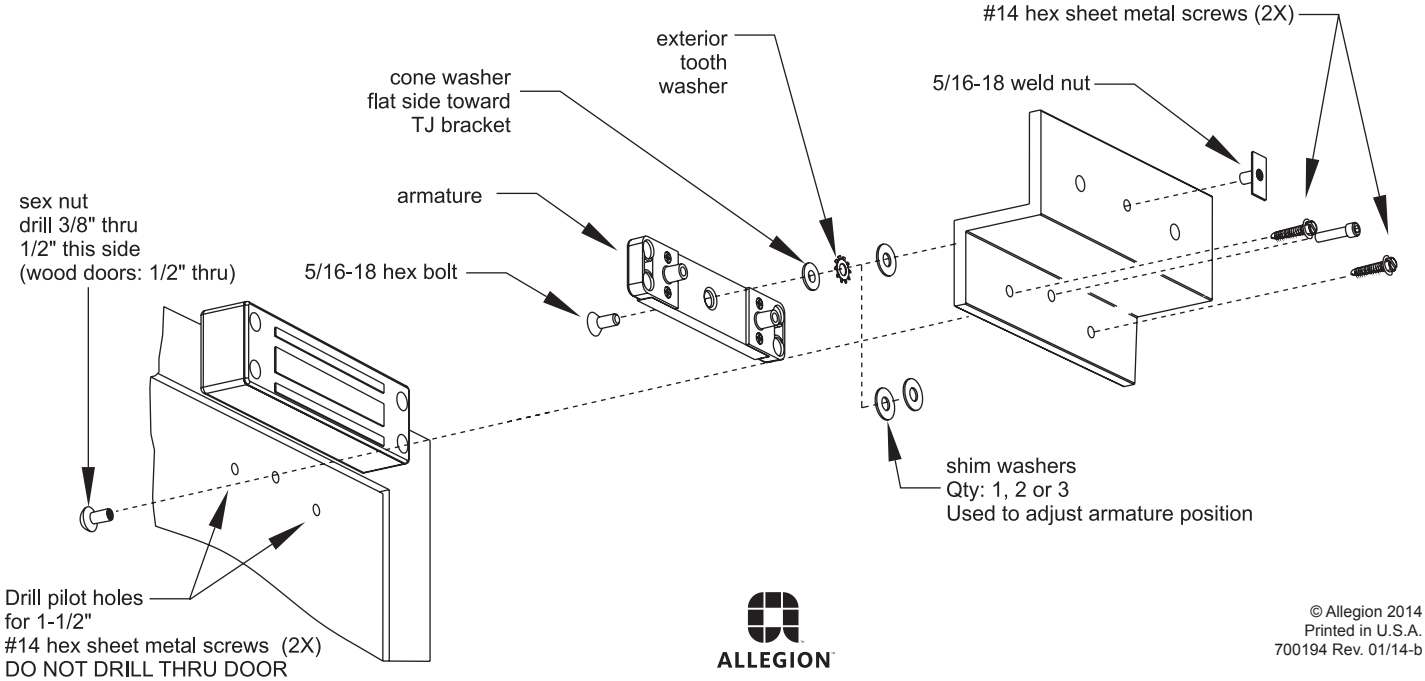


Line up template with horizontal centerline and center it on the TJ bracket (measure and mark the center) Tape the template to the TJ bracket and drill holes as required by template.



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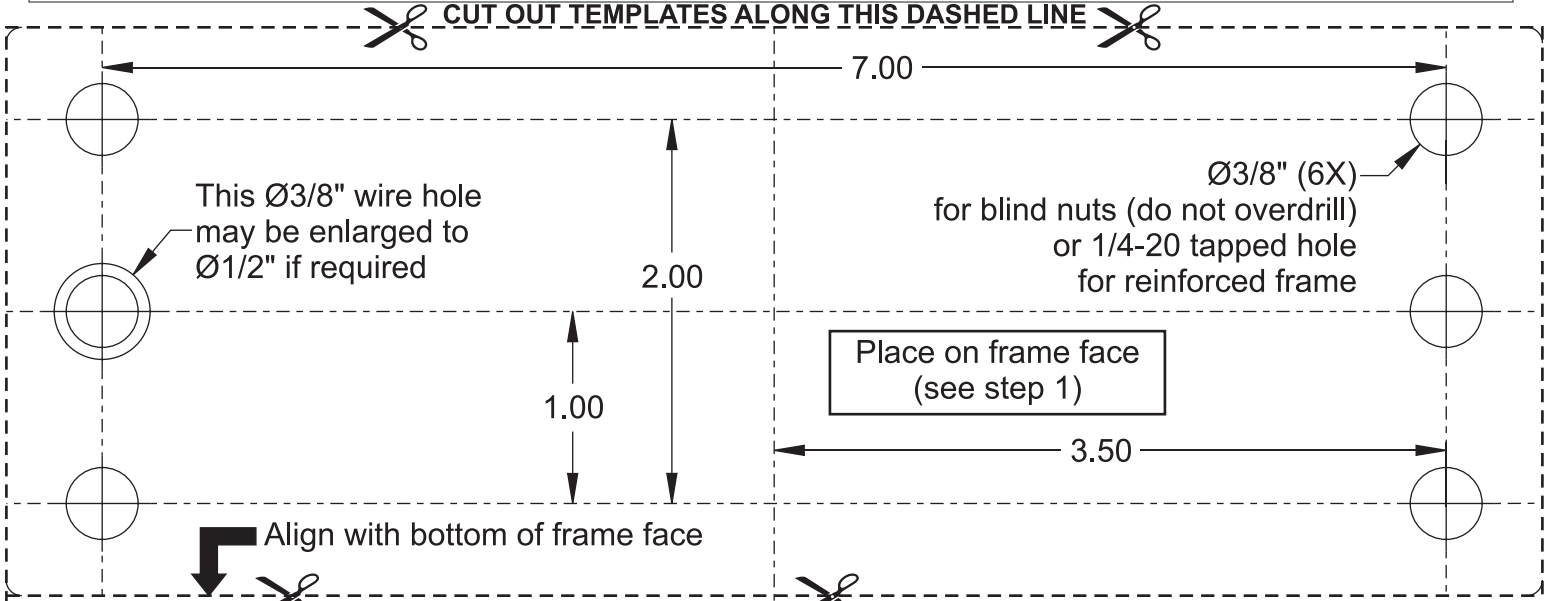
5) Install armature onto TJ bracket using fasteners in order and orientation as shown.
Drill holes for TJ bracket as specified.
Mount TJ bracket assembly onto door.



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CUT OUT TEMPLATES ALONG THIS DASHED LINE



CUT ALONG THIS DASHED LINE

