

- 1 The door and the wall must be near the same plane. That is to say, that the door must not be more than 1 1/2 inch inset or outset from wall.
- 2 A flat surface across entire door for attachment .The area designated for door rail attachment of a Katy Bar™ must be even and flat, and cannot have any trim or other hardware that can interfere with its placement.
- 3 A 2-inch (or 2 1/4 inch) door trim width is optimal for installation of wall brackets so that the framing studs are in alignment with screws. If the door trim width is wider than 2 1/4 inch, an inset cut into the trim will be required.
- 4 A standard 32 through 36-inch wide single exterior door is required. Interior door are too weak (and usually too narrow i.e.28 inches) to support a Katy Bar™ .The Katy Bar™ must be installed correctly on the door for it to operate optimally. Double doors, french doors, solid glass doors (et al) should not be considered for Katy Bar™ use.
- 5 The optimal location of a Katy Bar™ is at the middle of the door near the doorknob and center hinge. If a dead bolt exists, the Katy Bar™ should be placed between doorknob and dead bolt across to the center hinge. Remember, there is no indication from outside your door that you have a Katy Bar™ on the inside. Any person attempting to break in will strike at the doorknob / dead bolt or the hinge, exactly where you have the most support.

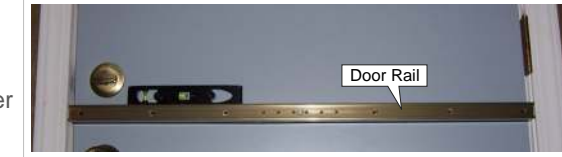
Step 5.

- To avoid drilling the pilot hole too deeply, mark the provided drill bit by wrapping tape around it 3/4 inch from tip.
- Use the top of the tape as a guide to stop drilling.
- The tape can slide while drilling, so measure the tape from the tip before drilling each pilot hole.



Step 6.

- Drill pilot hole at center mark on door. (A pilot hole at center of door provides attachment point for center hole of spacer and door rail. Place the door spacer between door rail and door. Door rail indents should be facing out).
- Use 1 3/4 inch screw to attach door rail and spacer to door
- Level door at both ends and drill remaining pilot holes and attach with 1 3/4 inch screws.



Step 7.

- Open door until barrel bolt assemblies are able to slide into door rail.
- Position set screw ends of barrel bolt assemblies within the center of door rail as shown.
- Close door and lock deadbolt to ensure complete door alignment.
- Position outer edges of each barrel bolt assemblies with the outer edges of door, and tighten set screw into correct door rail indents.(32,34, or 36)



Step 8.

- Once barrel bolt assembly is secured at the correct position in the door rail with set screw, extend slide bolt out over the door trim.
- Disassemble wall bracket, adjustment cam, and wall cover assembly using allen wrench.



- 1 2 Wall Anchor Assemblies  
(2 Wall Brackets, 2 Wall Bracket Spacers, 2 Wall Brackets Covers, 2 Adjustment Cams, 4 Allen Cap Screws)
- 2 1 Logo Cover
- 3 2 Barrel Bolts Assemblies  
(2 Slide Bolts, 2 Barrel Bolts, 2 Slide Handles, 2 set screws)
- 4 1 Door Rail
- 5 1 Door Rail Spacer
- 6 1 Screw Pack  
(8 Long Screws, 7 Short Screws)
- 7 Tools Pack  
(Allen Wrench, Drill Bit, Phillips Bit)

- Level
- Measuring Tape
- Pencil
- Drill
- Ratchet Driver
- Safety Goggles

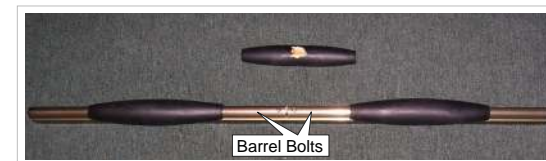
# Installation Guide - Begin Here

Step 1.

**Please check that you received all parts, and slide bolts move freely in and out of barrel bolt assemblies before installation. To ease resistance of slide bolt, apply household oil between slide handle and barrel bolt assembly and wipe.**

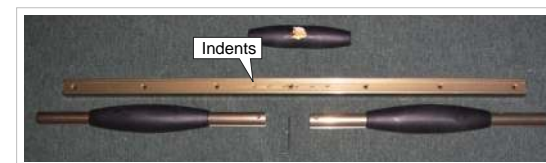
Step 2.

- Lift off center Logo cover.
- Use provided allen wrench to loosen set screws at center of barrel bolts.
- Slide barrel bolts out of door rail.



Step 3.

- With barrel bolt assemblies out of door rail, notice indents to adjust for 32, 34 or 36 inch doors.
- Barrel bolts will slide back into this same position once the door rail is attached to door.



Step 4.

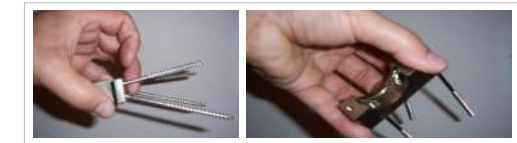
- Determine optimal location,(between door knob and deadbolt) for Katy Bar™ exterior door lock installation.
- Door rail must not interfere with function of door knob or other hardware.
- Measure the width of the door and mark exact center.



## PLEASE FOLLOW STEPS 9 - 17 CAREFULLY.

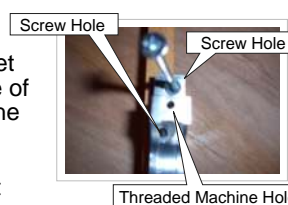
Step 9.

- Become familiar with direction of wall screw angle.
- Place wall screws into bracket and visualize angle (Angle is approximately 30 degrees from center. Angle allows wall bracket to attach to the two studs in wall).
- Pilot holes for the screws must be drilled at this angle.



Step 10.

- To determine the correct angle for drilling pilot holes for wall bracket attachment (either wood or masonry), place drill bit into screw hole of wall bracket and angle the drill bit until it aligns with the center of the threaded machine hole. When the drill bit and the center machine hole are aligned, you have the correct angle for the pilot.
- Remove the tape from the drill bit and use it to drill the angled pilot holes for the 3 1/2 inch wood screws.



Step 11.

- **Alignment is crucial!**
- Wall bracket with spacer are flat against wall and door trim
- Adjustment cam rotates within groove of wall bracket
- Slide bolt is through the exact center of cam (Groove of cover fits onto adjustment cam to allow machine screw and thread alignment).



Step 12.

- Carefully remove wall cover while maintaining alignment.
- Hold assembly in alignment with one hand, and carefully drill angled pilot hole for top and bottom screws as deep as possible.
- Place 3 1/2 inch screws through assembly and into pilot hole and tighten half of the screw into stud using ratchet driver and provided #2 phillips bit.



Step 13.

- With the two screws holding the wall bracket into place, retract slide bolt away from trim and remove adjustment cam to expose center screw holes.
- Drill remaining pilot holes while paying close attention to maintaining alignment.
- Place 3 1/2" screws into pilot holes and tighten half of the screw into stud.



Step 14.

- **DO NOT USE DRILL TO TIGHTEN SCREWS.** (Use of drill will over-tighten screws and crush wall board or sheetrock, and permanently alter the alignment.)
- Use the provided #2 Phillips bit and a ratchet wrench and completely thread screws without damaging wall.



Step 15.

- Place adjustment cam in groove of wall base.
- Extend slide bolt through adjustment cam.
- Rotate cam until slide bolt is through exact center, slide bolt must slide freely through center of cam.
- To ease the resistance of the slide bolt, spray household oil beneath slide handle and top of barrel bolt and wipe.



Step 16.

- Attach cover and tighten allen cap screws firmly.
- Check alignment of slide bolt and cam.



Step 17.

- Notice position of adjustment cam
- Use same cam position for opposite wall bracket attachment (This will result in symmetrical wall alignment).



Step 18.

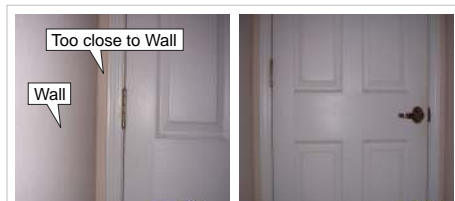
- Your Katy Bar™ exterior door lock is designed to withstand years of use and will provide you with unprecedented door security.
- Please contact us immediately if you encounter any problems during installation or use.



Standard Installation Complete

Inset Trim Cut Guide

- If one or both sides of the door have limited space to install the KATY BAR™, or if the door trim is too wide, you can cut an inset into the door trim.
- The inset cut into the door will give you space for the drill, while alignment with the inner wall studs is not affected. Inset cuts can also be performed for a unique custom fit.



Note: Inset cut to door trim requires removal of the door trim.

Inset Trim Step 1.

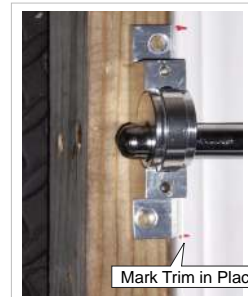
- Install the KATY BAR™ DOOR LOCK to the door according to standard instructions, Steps 1-7 (The model door contains no sheetrock for clarity).



Inset Trim Next

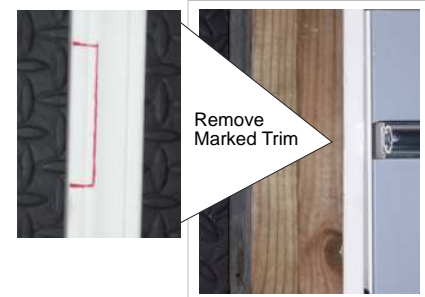
Inset Trim Step 2.

- Extend slide bolt across trim and align with wall bracket and cam. (The adjustment cam rotates to align with slide bolt horizontally, and the wall bracket moves up and down wall to align with slide bolt vertically. Make certain side bolt moves freely and fully into cam).
- Alignment is crucial. Have the wall bracket flat against wall and aligned vertically with the trim. Have the cam set into the wall bracket completely. Have the slide bolt fully and freely extended through cam. Have the slide bolt positioned with equal space around cam for fine adjustment when locking into position later.
- Once you have met the alignment requirements, mark trim precisely at edge of wall bracket.



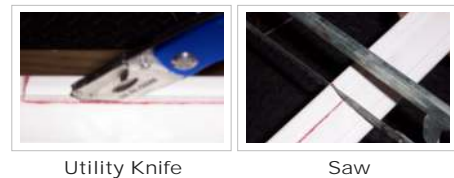
Inset Trim Step 3.

- Begin at the bottom and carefully remove trim using a small screwdriver, and back nails out or completely remove them.
- Do not trace out around the edges of wall bracket onto trim because you will be removing too much trim; rather, mark just the inner space needed for the wall bracket to set into trim. **Mark conservatively; you can always remove more if needed, and taking care now will produce a beautiful inset cut.**



Inset Trim Step 4.

- Cut trim with appropriate tool. It is best to score or completely cut the edges with a strong utility knife. The trim in these photos was cut completely with a strong utility knife.



Inset Trim Step 5.

- Using a pair of pliers, remove the unwanted section of trim.



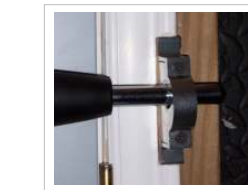
Inset Trim Step 6.

- Reposition trim to align with top and sides, and nail into position. Place wall bracket in cut out and check alignment with slide bolt. Fine cuts can now be made to the trim with a strong utility knife if needed. When desired trim removal is achieved, continue with installation according to standard instructions (Steps 8-17).



Inset Trim Step 7.

- Repeat steps to trim on the other side of door.



Inset Trim Cut Installation Complete

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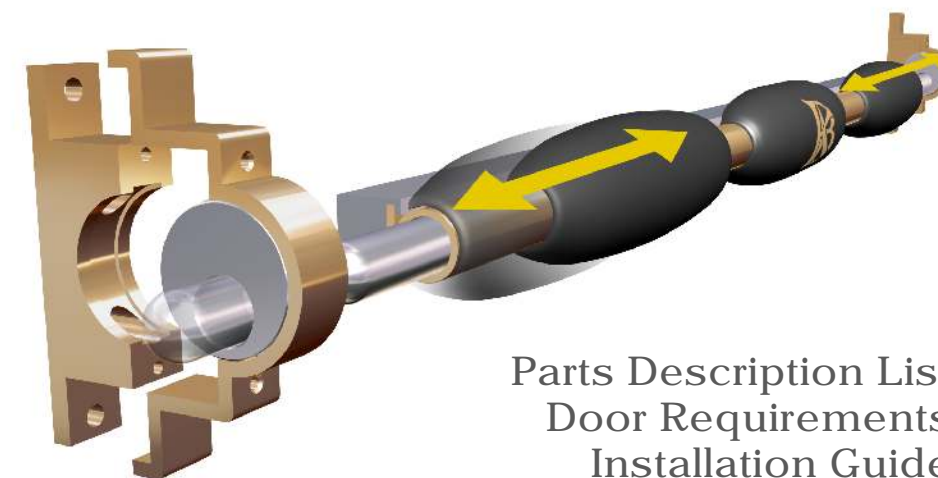
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katy bar™  
patented exterior door lock system



- Parts Description List
- Door Requirements
- Installation Guide
- Inset Trim Cut Guide
- Disclaimer
- Contact Information