

Quick Start Guide:

30 Minutes

Installing the Houdini Hardware™ Kit is easy and suitable for professionals and DIY enthusiasts. You'll only need basic tools and about 30 minutes to finish. Please read the instructions carefully before starting. Ensure your door is larger than the opening; for details, see pages 2-4. **If you're installing a Metal Contemporary Door, follow pages 20-21 for accessory bracket installation.**

- 1 Install Top Track:** Measure your door's width and subtract $3/16"$ to find the Top Track length. Trim the Top Track to this length using a suitable saw like a hack saw. Attach the Top Track to the upper backside of the door using the provided fasteners, aligning it with the top edge (remember to drill pilot holes). Next, insert (2) Soft-Close Dampers and (2) Hard Stops into the Top Track. Snap on (2) End Caps. Slide the Hard Stops outward to meet the End Caps and position the Dampers against the Hard Stops. Tighten everything securely, but do not over-tighten. **Refer to pages 5-8 for more detailed instructions on this step.**
- 2 Install Bottom Track:** Trim the Bottom Track to match the length of the Top Track using the saw. Attach the Bottom Track to the door's bottom edge using the provided fasteners (remember to drill pilot holes). Install the (2) Bottom Wheel Assemblies by sliding their guides into the slot in the Bottom Track. Snap on (2) End Caps. Slide each Wheel Assembly outward to meet the End Caps and tighten the (2) screws on each assembly. **For additional details, refer to pages 9-12.**
- 3 Attach Wall Mount:** Determine if your door will open **left** or **right**. Position the door with the Bottom Track and Wheels against the chosen side of the wall opening. Use a pencil to mark a line on the wall *at the top of the Top Track*; this line should align with the Wall Mount's top edge. For the door to Fully Open to the width of the wall opening, attach the Wall Mount (using 6 fasteners) 1 inch to the right or left of the wall opening's edge. **Further details can be found on pages 13-15.**
- 4 Attach Door Floor Guide:** Position and install the Door Floor Guide directly beneath the center point of the Wall Mount and align it with the center of the Bottom Track. Secure it in place with (2) screws. If needed, you can make slight adjustments after installation by pivoting the Door Floor Guide within the elongated slot at one end. **Refer to page 16 for detailed instructions on this step.**
- 5 Install Door:** Stand the Door Slab upright with all hardware securely attached. Ensure the door's center aligns roughly with the Wall Mount's location. Two individuals should lift the Door Slab approximately 1 inch above the Door Floor Guide, engage the wheel rollers with the Wall Mount, and then lower the door over the Floor Guide. Once the door operates smoothly, locate the (2) anti-jump bars at the top of the Wall Mount. Rotate each 90 degrees to extend them over the Top Track and tighten with a screwdriver. This is a crucial step for safe door operation, preventing it from disengaging. **If the quick close damper isn't working correctly or if you hear rubbing sounds, consult the Wall Mount adjustment feature on page 18.**

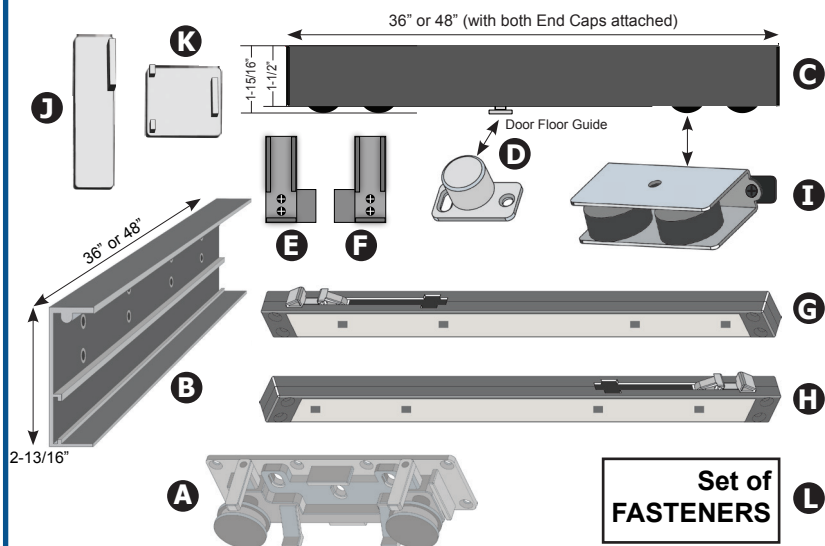
PARTS & TOOLS:

DISCLAIMER: The Houdini Hardware™ Kit should not be altered in any fashion. The Houdini Hardware™ Kit should only be used for the intended purpose. The weight capacity for the Houdini Hardware™ Kit should not exceed (80kg/176 lbs.). The Houdini Hardware™ Kit should be installed as instructed in this booklet. The screws and anchors included with the Houdini Hardware™ Kit may not be suitable for all installations applications.

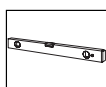
- I. Parts Provided in the Kit: The screws and anchors included with the Houdini Hardware™ Kit may not be suitable for all installations applications.

Houdini Hardware™ KIT CONTENTS

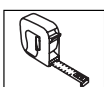
- | | |
|--------------------------------|-------------------------------------|
| A WALL MOUNT (X1) | G SOFT-CLOSE DAMPER (Left) |
| B TOP TRACK (X1) | H SOFT-CLOSE DAMPER (Right) |
| C BOTTOM TRACK (X1) | I BOTTOM WHEEL ASSEMBLY (X2) |
| D DOOR FLOOR GUIDE (X1) | J TOP TRACK END CAPS (X2) |
| E HARD STOP (Left) | K BOTTOM TRACK END CAPS (X2) |
| F HARD STOP (Right) | L SET OF FASTENERS (X1) |



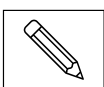
- II. Tools Required for Installation:



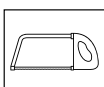
LEVEL



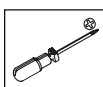
TAPE



PENCIL



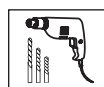
HACK
SAW



#2 PHILLIPS
SCREWDRIVER



SAFETY
GLASSES



DRILL
& DRILL BITS

INSTALLATION REQUIREMENTS:

MAGIC TIP



Before proceeding with the installation, it's essential to confirm that the location for the door is suitable for a proper & safe installation. The installation's uniqueness is contingent upon both the dimensions of the door opening and the specific door you've chosen to pair with the Houdini Hardware™ Kit.



Houdini Hardware™ KITS

Item #BDHH36

- Doors up to 36" wide.

Item #BDHH48

- Doors over 36" wide /up to 48" wide (max. width).

Item #BDHHA

- Special Adapter is required specifically for metal barn doors.

- III. Make sure the door will be installed on a hard surface such as hardwood or tiled floors. Since 100% of the door's weight is on wheels and rolls on the floor, this system is not compatible with most carpet. (A tightly-weaved carpet could possibly work.)

Check for casing (wood trim) around the wall opening. The casing cannot exceed more than 5/8 inch from the wall. The baseboard & shoe molding should not exceed 1-1/2 inches from the wall. The door can not be properly be installed if any of these items are in the way of the door, preventing it from opening and closing.

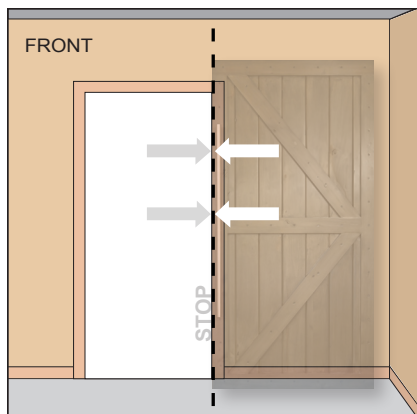
We recommend selecting a GlassCraft Barn Door for use with our Houdini Hardware™ Kit, as they have been specifically designed with these doors in mind. This ensures a seamless installation without potential complications. Choose one of our many barn doors and associated products from our online catalog.

INSTALLATION REQUIREMENTS:

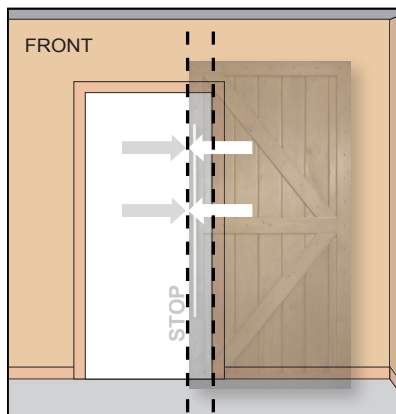
- IV. Decide the preferred direction for the door to open—either from **RIGHT to LEFT** or **LEFT to RIGHT**. It's important to consider potential obstructions, such as a light switch, that may dictate the door's opening direction. Ensure you double-check measurements on both sides of the wall opening to ensure ample clearance for the door to safely open (refer to *Attach Wall Mount* on page 14).

Next, determine the range of how much the door will open. The door can **Fully Open** (the door edge can open to the full width of the wall opening) or the door can and be **Partially Open** (the open door will cover a portion of the wall opening). For further details, refer to *Install the Top Track* on page 9.)

This door **FULLY OPENS**,
opening from Left-To-Right.

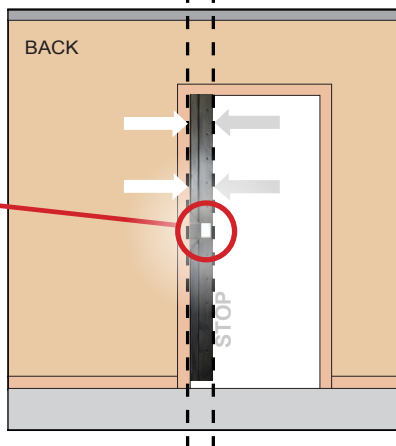


This door **PARTIALLY OPENS**,
opening from Left-To-Right.



A **Partially Open** door that stops short of being flush from the wall opening allows a person to grab the door to open or close.

A recessed handle can be installed as shown in the image.



INSTALLATION REQUIREMENTS:

V. How To Determine Your Door Size:

Determine the DOOR WIDTH

For a **Fully Open** installation, it is recommended that the width of the door is at least 8" greater than the width of the door opening. With this application, the door opening size will be maintained.

Example: If the wall opening is 30", then a door size of at least 38" will be needed. A wider common size door can be used and the soft-close damper and hard stop can be relocated to the desired position. Adjoining wall clearance will need to be verified.

For a **Partially Open** application, it is recommended that the width of the door is at least 8" greater than the width of the door opening. However, this application can be adjusted to a common width of the door.

For example, if the wall opening is 30", then a door size of at least 38" will be needed. A 36" wide door can be used by placing the edge of the door 2" into the opening. This will decrease the opening size from 30" to 28".

Determine the DOOR HEIGHT

If the Bottom Track is mounted directly to the bottom of the door, measure from the Top Track (installed on the backside of the door) down to the floor and add 1 inch to the height. If casing (wood trim) is present, measure from the top of the casing to the bottom of the finished floor and add 1 inch to the height.

If the Bottom Track has been installed and recessed inside the door (see page 13, "Special Installation"), measure from the Top Track (installed on the backside of the door) down to the floor and add 2-1/2" to the height. If casing (wood trim) is present, measure from the top of the casing to the bottom of the finished floor and add 2-1/2".

MAGIC TIP

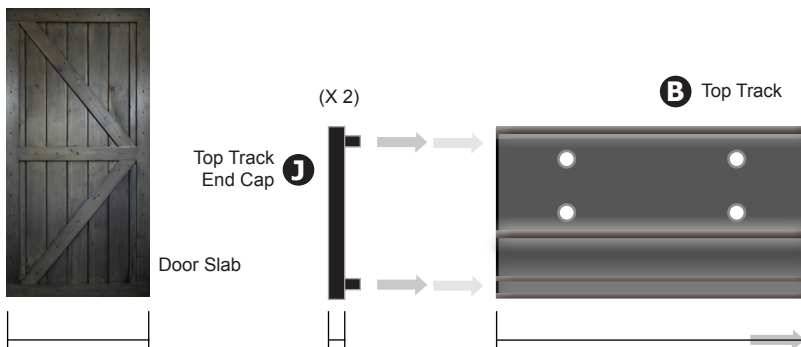


Choosing the correct door size depends upon if your wall opening is surrounded by decorative casing or molding. **(Casing cannot be more than 5/8" deep).**

INSTALLATION STEPS:

STEP ONE: Install Top Track

Determine the SIZE to CUT the TOP TRACK

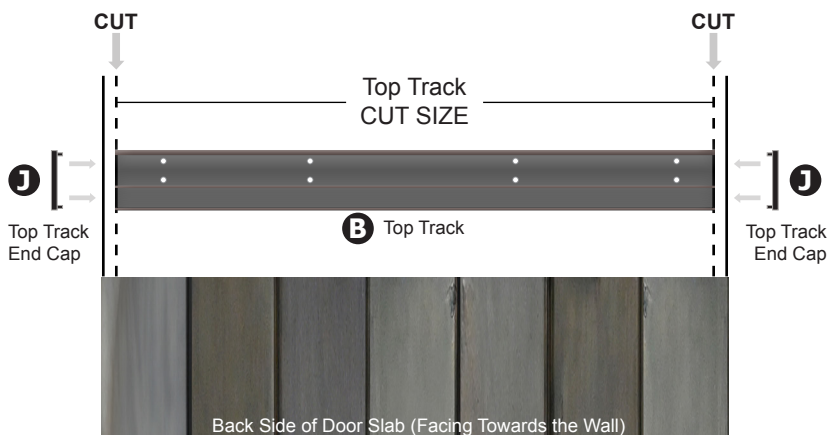


$$\text{Width of Door Slab} - \frac{3}{16} \text{ inch} = \text{Cut Top Track to THIS SIZE}$$

Measurement for BOTH End Caps combined.

A. Cut -

After determining the Cut Width of the Top Track, you'll need a saw that can cut aluminum. Use this saw to cut the Top Track to exact size.



MAGIC TIP



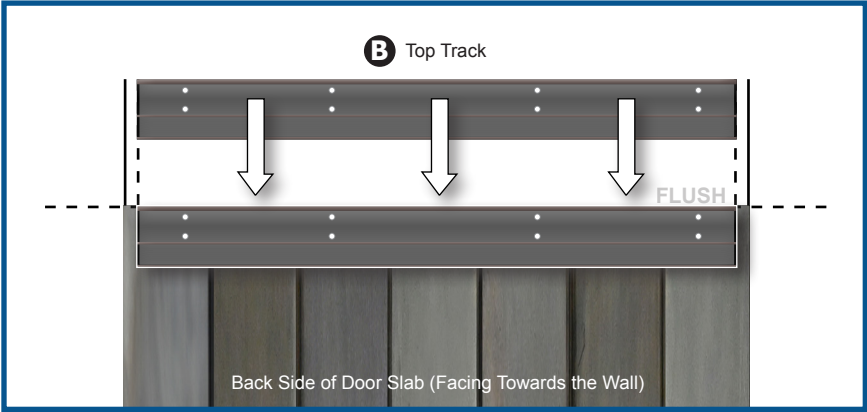
For the 36" and 48" Kits, the top and bottom tracks have already been sized for the end caps. No additional cutting is needed for a 36" or 48" wide door.

INSTALLATION STEPS:

STEP ONE: Install Top Track

B. Position -

Place the Top Track on the back of the Door Slab - ~~the side that faces the wall~~. Make sure the Top Track is **centered** and **flush** with the top of the Door Slab.

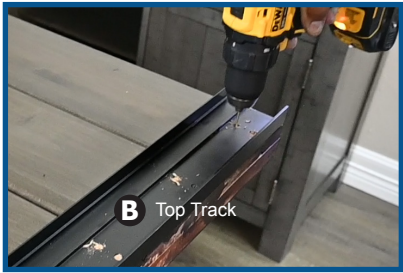


C. Drill -

Make sure the Top Track is secure and in the correct location before drilling. Afterwards, pre-drill holes for the supplied screws.



Before drilling, make sure your drill bit is *smaller* than the screws you're using to attach the Wall Mount. It is recommended to use a 1/8" drill bit.

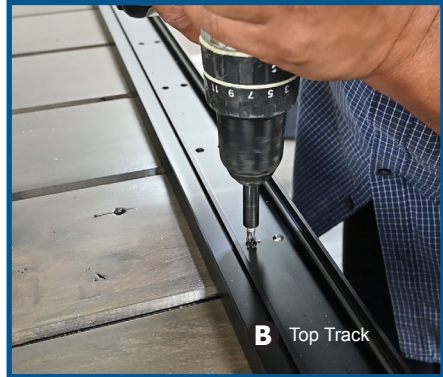


INSTALLATION STEPS:

STEP ONE: Install The Top Track

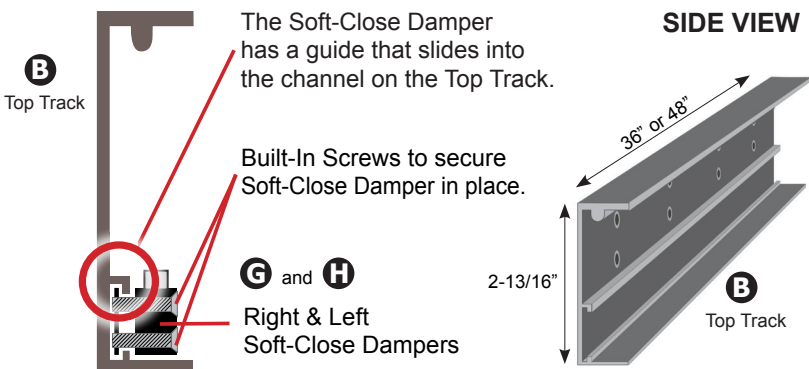
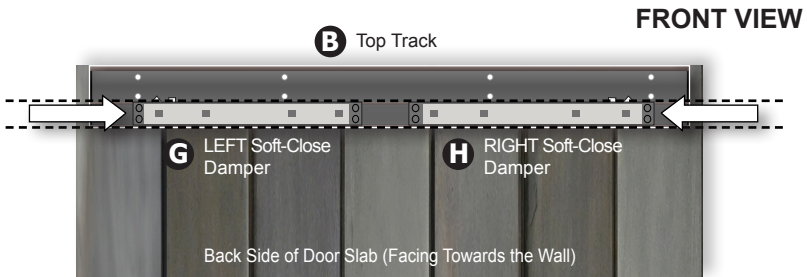
D. Attach -

Use supplied screws to attach the Top Track to the top of the Door Slab. Make sure the Top Track is located on the back side of the Door Slab - the side facing the wall.



E. Install -

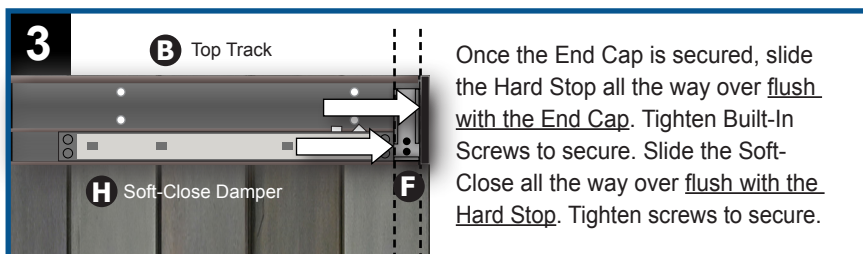
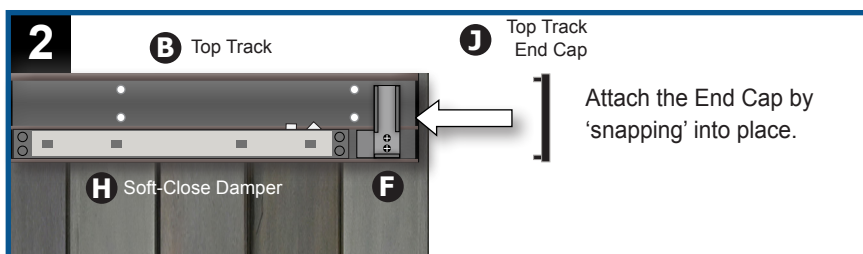
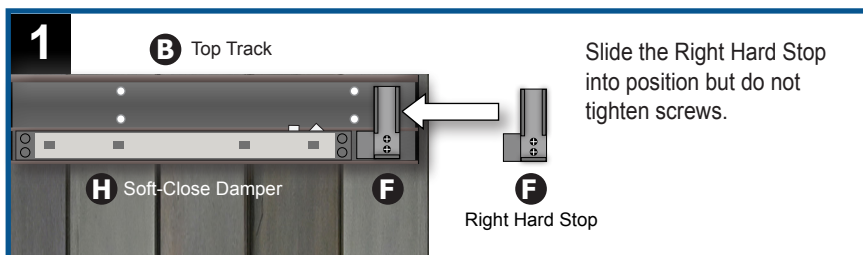
Install the Soft-Close Damper mechanisms by sliding them into place on the lower guide rail of the Top Track. **Do Not Tighten Screws yet on Soft-Close.**



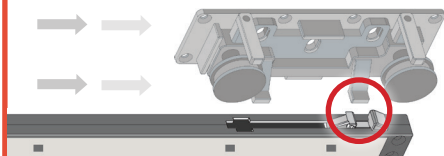
INSTALLATION STEPS:

STEP ONE: Install The Top Track

The following steps show how to install the **Soft-Close Damper**, the **Hard Stop** and the **Top Track End Cap**. These instructions apply for installing on both sides of the Top Track.



Install the Soft-Close Damper on correct side. This will allow the Soft-Close to engage when triggered by the Wall Mount moving into position.



INSTALLATION STEPS:

STEP TWO: Install The Bottom Track

Determine the SIZE to CUT the BOTTOM TRACK

Width of Door Slab — $\frac{3}{16}$ inch Measurement for BOTH End Caps combined. = Cut Top Track to THIS SIZE

By subtracting the width of **BOTH** End Caps from the width of the Door Slab ($\frac{3}{16}$ "), this will allow the **Bottom Track to be flush at both ends** after installation.

A. Cut -

After determining the Cut Width of the Bottom Track, you'll need a saw that can cut aluminum. Use this saw to cut the Bottom Track to exact size.

Bottom of Door Slab

Bottom Track End Cap

Bottom Track

Bottom Track End Cap

CUT

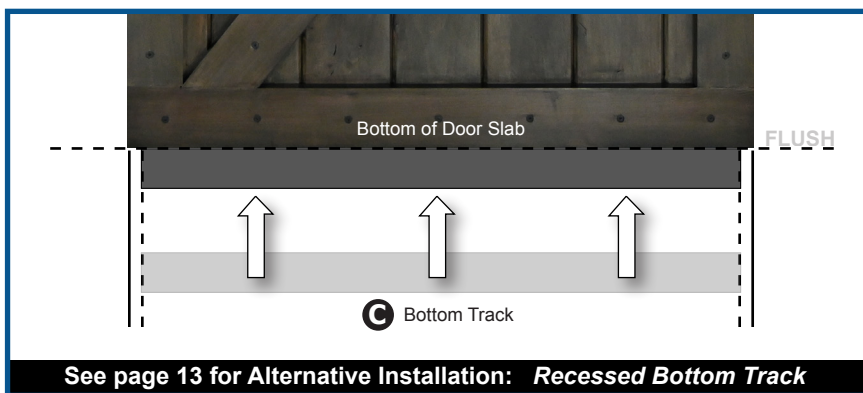
CUT

INSTALLATION STEPS:

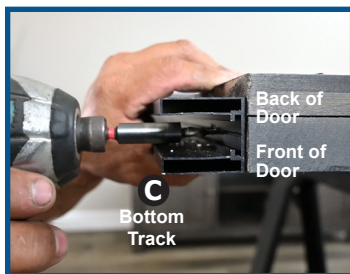
STEP TWO: Install The Bottom Track

B. Position -

Place the Bottom Track on the bottom of the Door Slab. Make sure the Bottom Track is **centered** and **flush** with the bottom of the Door Slab.



C. Drill -



The bottom track can be mounted to the door bottom in any location. Mount flush with back, flush with front, or centered. The bottom track will need to run in the same location (parallel) throughout the width of the slab. Pre-drill holes into the door for the supplied screws. Then use the provided screws and attach the Bottom Track to the bottom of the Door Slab.

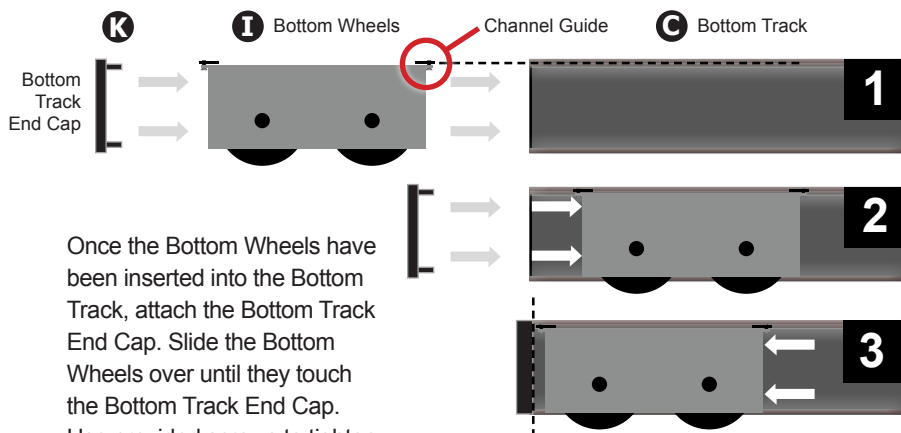
D. Install -

Install the Wheels into the Bottom Track. Line up the channel guides on top of the Wheels to allow them to properly slide into the Bottom Track channel.



INSTALLATION STEPS:

STEP TWO: Install The Bottom Track



Once the Bottom Wheels have been inserted into the Bottom Track, attach the Bottom Track End Cap. Slide the Bottom Wheels over until they touch the Bottom Track End Cap. Use provided screws to tighten Bottom Wheels in position.

MAGIC TIP



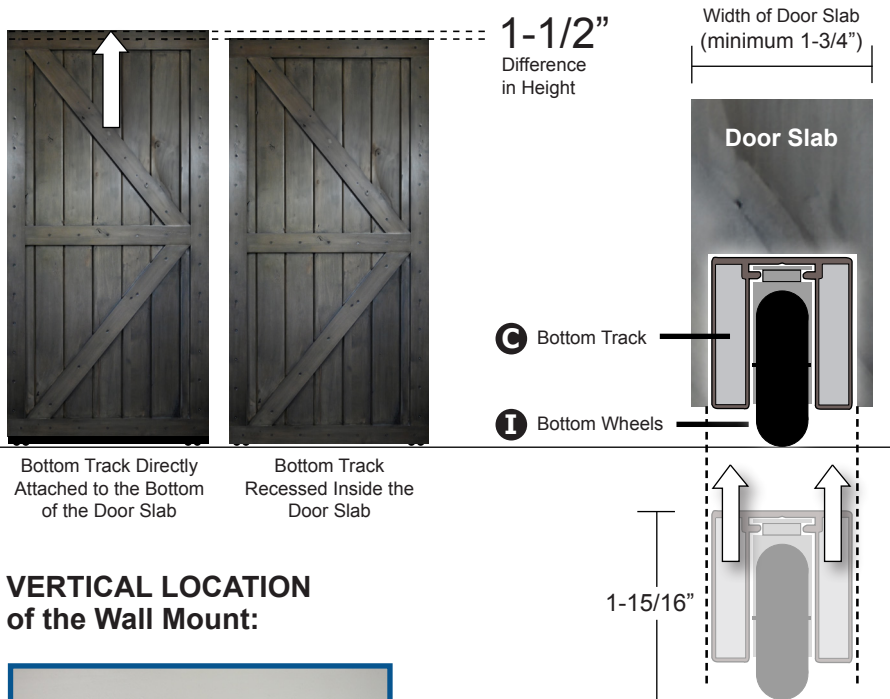
After installing the Bottom Track (Wheels attached) to the bottom of the door, **the door has increased in height by 2"**.



INSTALLATION STEPS:

STEP TWO: Alternative Installation - *Recessed Bottom Track*

For a completely hidden and concealed hardware appearance, mount the Bottom Track **INSIDE** (and not **ON**) the bottom edge of the door. This requires routing an edge-to-edge slot in the bottom of, at least, a 1-3/4" thick door.



VERTICAL LOCATION of the Wall Mount:



To figure out exactly how high the Wall Mount should be installed on the wall, lift the Door Slab up and position as closely as you can to the wall. This step may require two people to perform. See page 14 for further information.

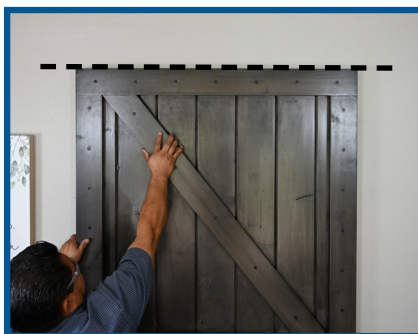
Make sure the Recessed Bottom Track (with Bottom Wheels) and Top Track are attached to the Door Slab before attempting to use to determine the height of where the Wall Mount is to be installed. With the Bottom Track & Wheels recessed inside the Door Slab, once the Door Slab is raised and leaned against the wall, we can easily determine the height where the Wall Mount is to be installed. (Proceed to STEP 3.)

INSTALLATION STEPS:

STEP THREE: Attach Wall Mount

Determine the VERTICAL LOCATION of the WALL MOUNT

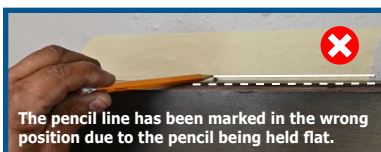
Make sure the Bottom Track (with Bottom Wheels) and Top Track are attached to the Door Slab before attempting to use to determine the height of where the Wall mount is to be installed. With the Bottom Track & Wheels attached, once the door is raised against the wall, we can easily determine the height where the Wall Mount is to be installed.



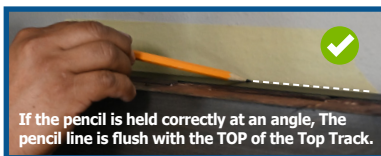
To determine the Wall Mount's vertical position, raise and position the door parallel to the wall (as seen in the image to the left). Once in position, **use a pencil to mark the top of the Top Track**, not the top of the door. This measurement is your vertical position.



When drawing the pencil line on the wall, make sure to hold the pencil correctly as to get an accurate measurement. See both images on the right for proper alignment.



The pencil line has been marked in the wrong position due to the pencil being held flat.



If the pencil is held correctly at an angle, The pencil line is flush with the TOP of the Top Track.

Height of the Wall Mount



PENCIL LINE

Wall Opening

Total Height of Door Slab

Top Track & Bottom Track
(with Wheels) attached to Door Slab

INSTALLATION STEPS:

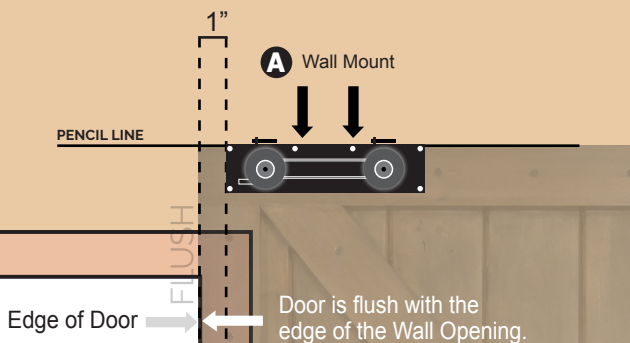
STEP THREE: Attach Wall Mount

Determine the HORIZONTAL LOCATION of the WALL MOUNT

There are two options to determine the position of the wall mount:

- 1. FULLY OPEN:** Place Wall Mount 1 inch beyond the edge of the wall opening.

FULLY OPEN



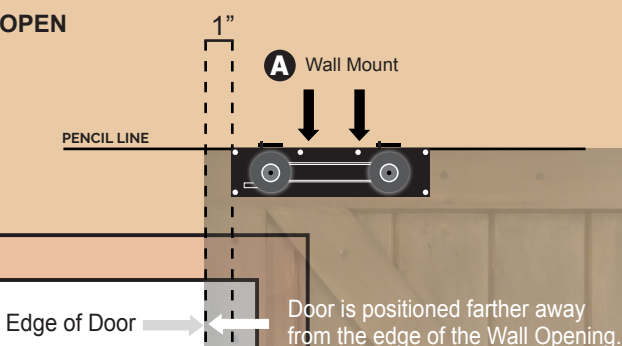
MAGIC TIP



The Wall Mount can be placed flush with the wall opening, or it can be centered above the wall opening, or placed at any other desired location. If **Fully Opened**, the edge of the door is flush with the wall opening. If **Partially Opened**, the door will overhang beyond the wall opening.

- 2. PARTIALLY OPEN:** Position Wall Mount at or slightly overlapping the wall opening. For this setup, ensure your door width meets these criteria: Subtract the desired coverage (e.g., 6") from the opening width 7-3/4". For instance, with a 40-inch wall opening, your minimum door width should be 41.5 inches. In this case, a standard 42-inch-wide door is recommended.

PARTIALLY OPEN

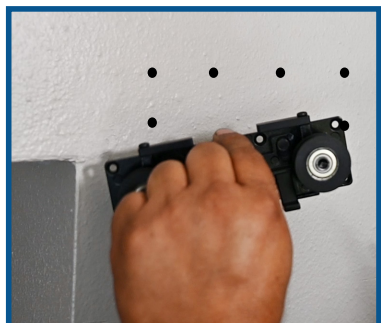
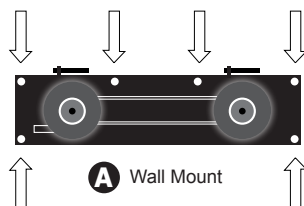
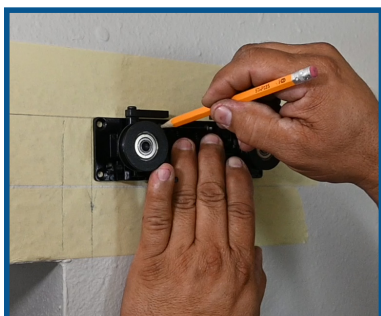


INSTALLATION STEPS:

STEP THREE: Attach Wall Mount

B. Attach -

Once you have determined the Wall Mount's vertical and horizontal position (How High / Left or Right), now it's time to accurately position the Wall Mount. The Wall Mount has (6) pre-drilled holes where screws will be used to attach to the wall. Once the Wall Mount is in position on the wall, use a pencil to mark all (6) holes, then remove the Wall Mount.



Next, pre-drill all (6) pencil marks. Use supplied screws & anchors to attach Wall Mount. **Do Not Over-Tighten.**



Rather than making marks directly to the wall, tape can be applied over the area (as seen in the image) and removed after use.



The weight of the Door Slab is carried by the Wheel Assembly in the Bottom Track. The Wall Mount is only designed to be a guide and to keep the Door Slab in an upright position. The Top Track should not ride on the rollers of the Wall Mount.

INSTALLATION STEPS:

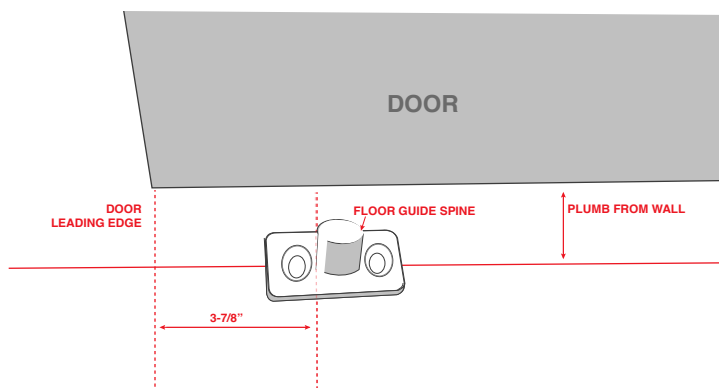
STEP FOUR: Attach Door Floor Guide

A. Measure -

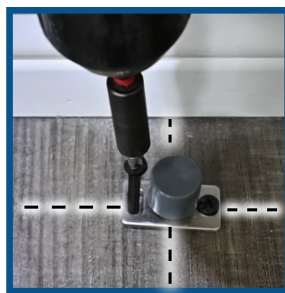
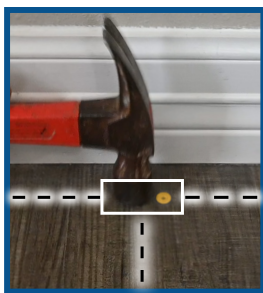
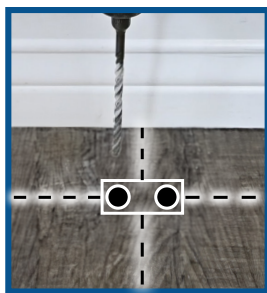
After the Wall Mount has been securely attached to the wall, you can determine the positioning of the Door Floor Guide.

Determine the leading edge of the door in the open position. From the leading edge of the door, measure back 3-7/8" and mark location with a pencil. This mark is the front edge location for the spine (point) of the floor guide.

Next, determine the distance off the wall to the center of the Bottom Track on bottom of the door. This measurement should be the plumb location of the slab when hung on the roller hardware. Mark with pencil.



B. Drill -



After using a pencil to mark the Door Floor Guide holes, use a drill to make two holes. Next, insert the (2) anchors in to the holes. Use the provided screws to firmly attach the Door Floor Guide. **Do Not Over-Tighten.**

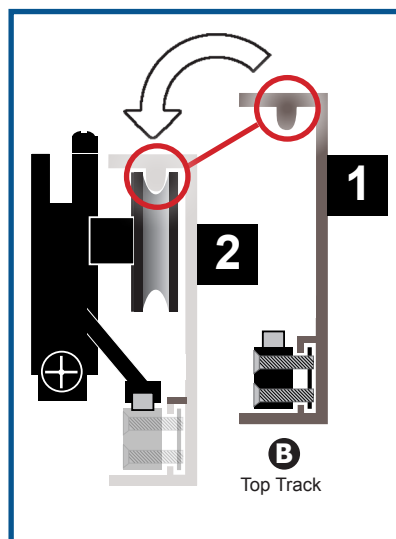
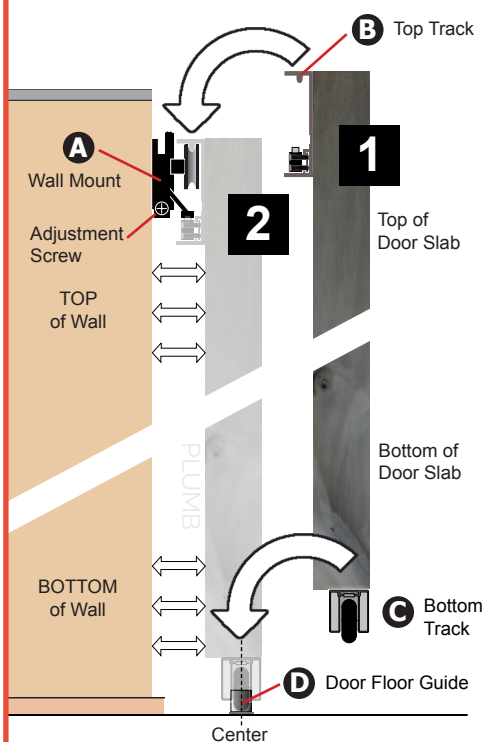
INSTALLATION STEPS:

STEP FIVE: Install The Door Slab

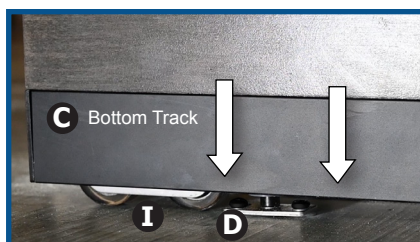
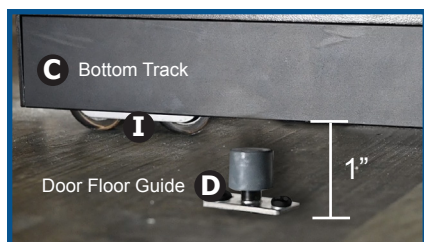
A. Install -

Stand up the Door Slab with all hardware secure in place. The center of the Door Slab should be relatively centered to the location of the Wall Mount.

Two people should lift the Door Slab about 1" in height over the Door Floor Guide and engage the rollers of the Wall Mount.



Slowly lower the door, making sure that the grooved roller on the Wall Mount fits inside the Top Track Channel and, at the same time, the Bottom Track is lowered over the Door Floor Guide.

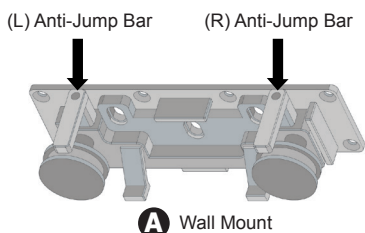


INSTALLATION STEPS:

STEP FIVE: Install The Door Slab

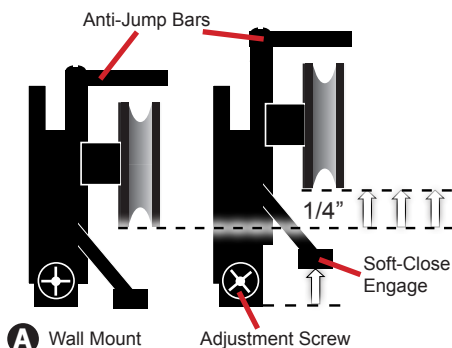
B. Secure -

Once the slab has been installed and operates smoothly, locate the **(2) anti-jump bars at the top of the Wall Mount**. Rotate each 90 degrees to extend over the Top Track. Tighten each with a screwdriver. **This step is critical to ensure the safe operation of your rolling door.** The correct positioning of these anti-jump bars ensures that the door cannot jump off the top track and disengage from the Wall Mount and the wall.



For Minimally Uneven Floor Surface - ADJUSTMENT SCREW

Slight adjustment may be required for the rollers of the Wall Mount. With a Philips screwdriver the **roller assembly can be raised 1/4" in height** accommodating most floor conditions. The adjustable roller assembly has a fixed maximum distance between the rollers and the anti-jump bars. This is a safety feature and should not be altered in any manner. If the slab moves smoothly in the open and closed positions then no adjustment is needed. Turning the screw clockwise raises the roller assembly. Adjust the roller assembly as needed until the door moves smoothly in both the open and closed positions.



DISCLAIMER: The weight of the Door Slab is carried by the Wheel Assembly in the Bottom Track. The Wall Mount is only designed to be a guide and to keep the door slab in an upright position. Altering the anti-jump bars or improper use may result in damage, bodily harm or death.

INSTALLATION STEPS:

ADDITIONAL INSTALLTION NOTES:

The bottom wheels, hard stop and soft close dampeners components slide into the track systems. Both the top and bottom tracks have an integral channel which allows the plates for the components to slide into and be tightened in place. As laid out in the instruction basic locations for components has been covered.

For example, the door and hardware have been installed in the fully open position. It has been determined that a handle will be beneficial on the opposite side of the door. Simply loosen and rotate the anti-jump bars out of the way, lift and remove the door from the wall mount. Loosen the screws for the hard stop and soft close dampeners and slide the components to the desired location and retighten them. Lift the door back on the wall mount and rotate the anti-jump bars back to position over the top track and tighten in place.

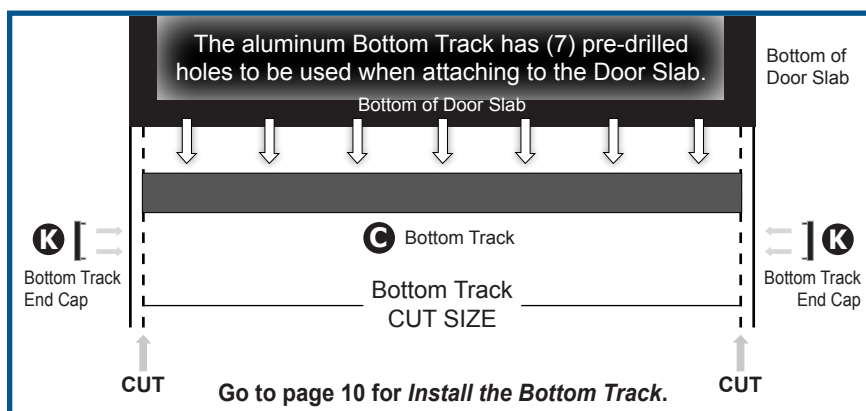
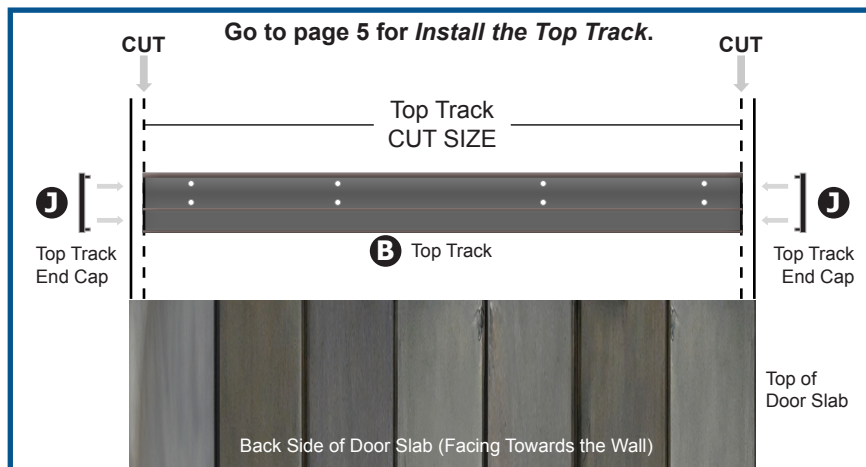
Note as well, the location of the floor guide should equal the travel distance of the opening. Repositing the floor guide may occur in some circumstances.

SPECIAL INSTALLATION:

OPTIONAL DOOR INSTALL: Metal Brackets For BarnCraft Metal Contemporary Doors Only

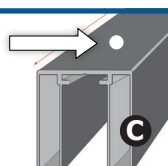
A. Measure and Cut Top & Bottom Tracks to Size -

Measure width of the Door Slab and subtract the thickness of the (2) Top Track End Caps (3/16") to determine CUT SIZE of the TOP TRACK.



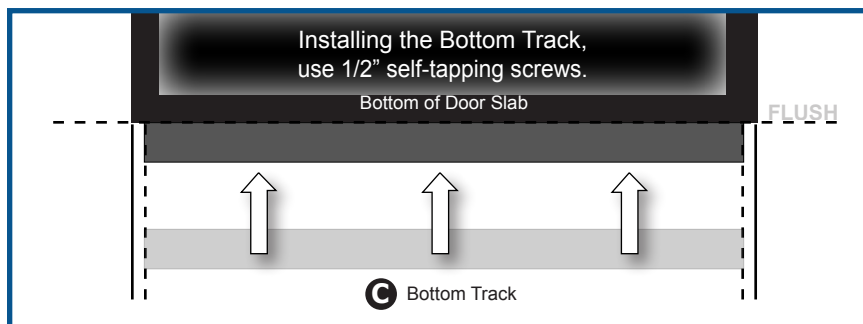
A special adapter is required specifically for metal barn doors. This adapter is available as kit **#BDHHA**.

When installing the Bottom Track, use 1/2" self-tapping screws.



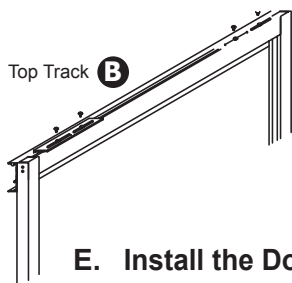
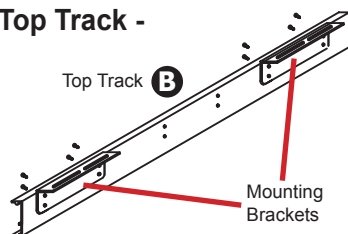
SPECIAL INSTALLATION:

B. Install Bottom Track -



C. Install Mounting Brackets to Top Track -

Install the (2) Mounting Brackets to the Top Track, one at each end. Attach using **M4 Flat Head Screws**, (4) per Mounting Bracket



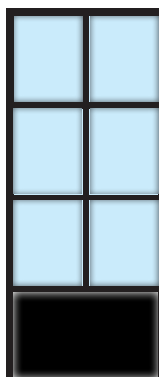
D. Attach Top Track to Top of the Door -

Attach the Top Track Assembly to the Top of the Door using **M6 Pan Head Screws**. Adjust the Top Track flush with the ends.

E. Install the Door -

After you have attached both the Top & Bottom Tracks, your door is ready to be installed. Installation is the same procedure as other barn doors utilizing the Houdini Hardware™ Kit.

BarnCraft 6 / Lite 1 Panel Contemporary Metal Door is used for this installation.



MAGIC TIP



For Further Information:

(See pages 13-15, *Attach Wall Mount*)

(See page 16, *Attach Door Floor Guide*)

(See page 17-18, *Install the Door Slab*)