

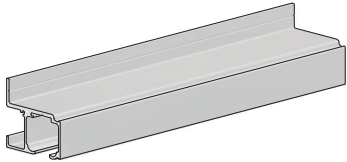
C-412/C-413

Installation Instructions

KNC

- Top mount hanger with 3/4 in [19.1 mm] adjustment range
- Precision ground ball bearings with nylon wheels
- Cycle tested up to 150,000 times
- Side mount track
- For up to 150 lbs. [68 kg] doors
- Optional snap-on fascia (C-413) and end caps (C-414)

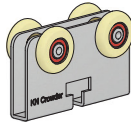
Parts List



C-412 Side Mount Track x length (1)

Length = 2 x door width, example:

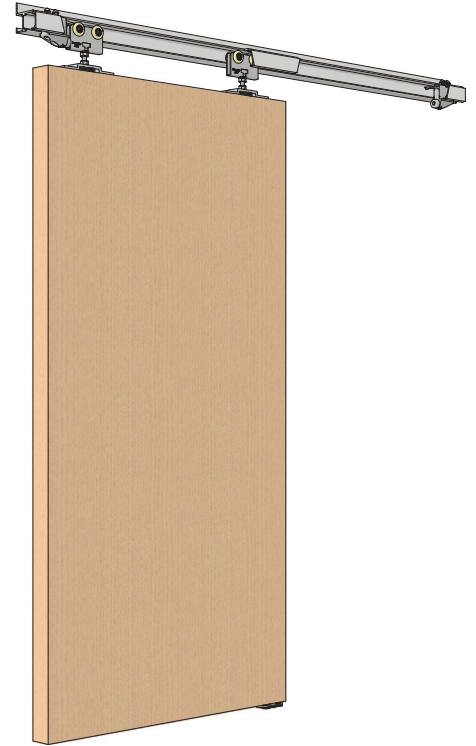
36 in [914 mm] door = 72 in [1829 mm] track



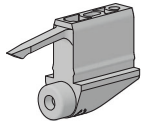
C-411 Hanger Bodies (2)
c/w wheels



C-411 Top Plates (2)



Complete C-412-W kit illustrated.
Cut-outs in track to expose components.



CDC-412 Catch/Stops (2)



#10 x 2-1/4" Self-Drilling Screws (4)
[FT6]



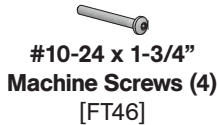
C-411 T-Bolts (2)



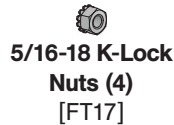
C-411 Spinwheel Nuts (2)



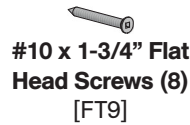
#10-24 Acorn Nuts (4)
[FT42]



#10-24 x 1-3/4" Machine Screws (4)
[FT46]

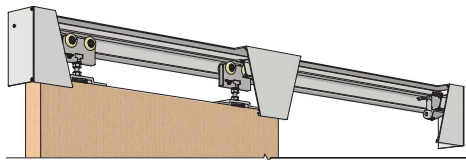


5/16-18 K-Lock Nuts (4)
[FT17]

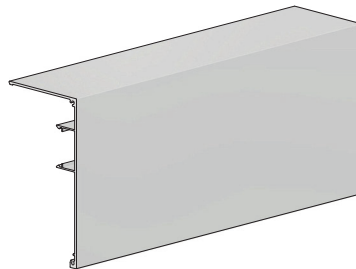


#10 x 1-3/4" Flat Head Screws (8)
[FT9]

Optional Add-on Products



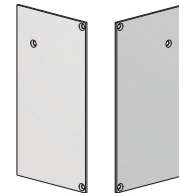
Complete C-413-W kit illustrated.
Cut-outs in track to expose components.



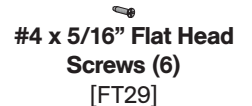
C-413 Snap-on Fascia x length (1)

Length = same as track length, example:

72 in [1829 mm] track = 72 in [1829 mm] fascia

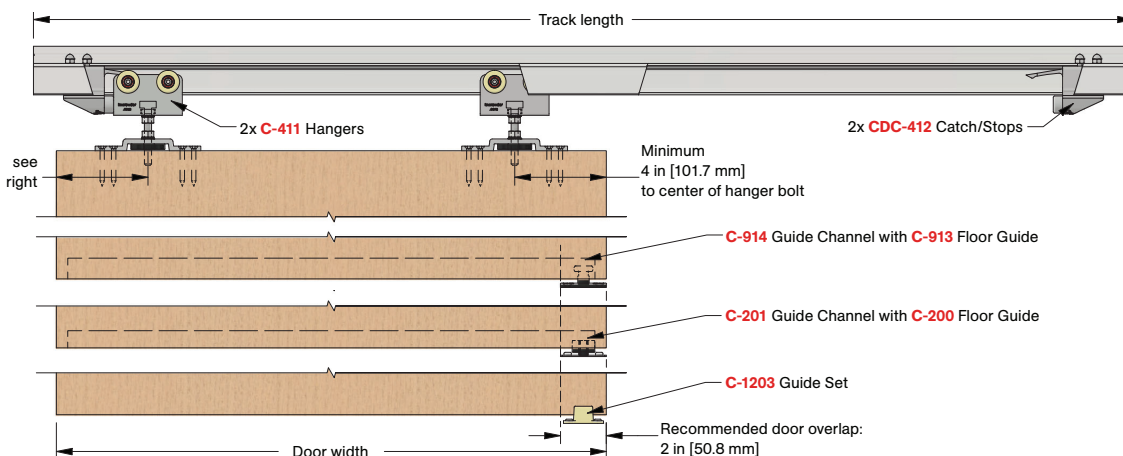


C-414 End Caps (2)
Left and right



#4 x 5/16" Flat Head Screws (6)
[FT29]

Elevation View

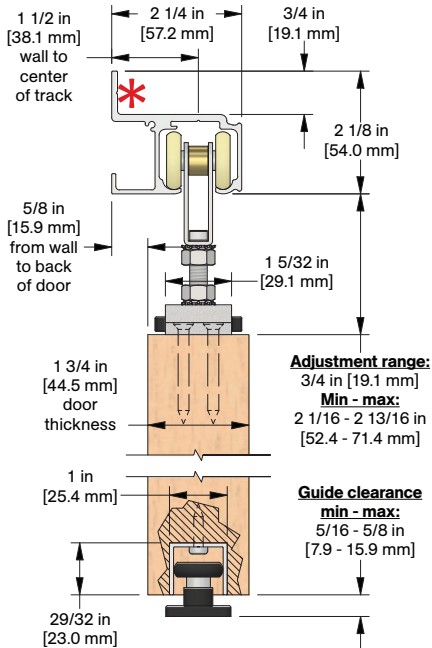


Product Details and Dimensions

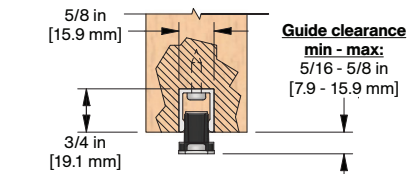
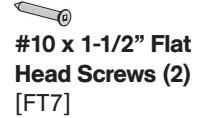
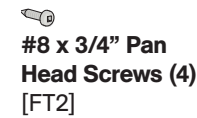
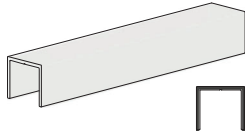
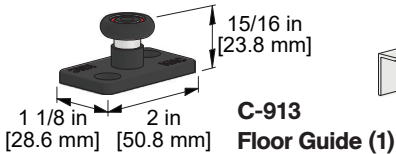
Section View

* Indicates mounting flange on C-412 Track

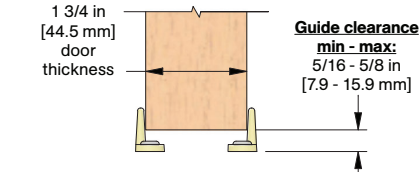
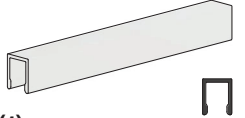
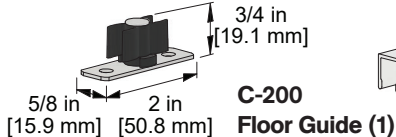
C-413 Snap-on Fascia illustrated as solid black profile



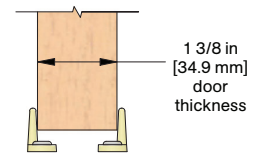
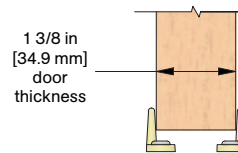
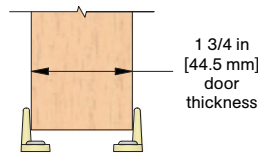
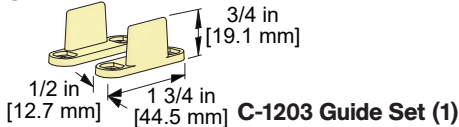
C-412-W



C-412-B

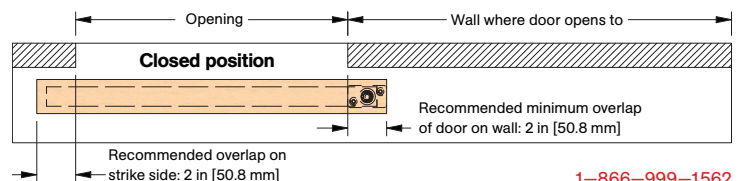
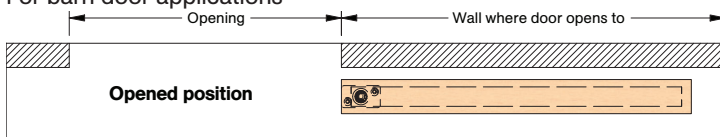


C-412



Typical installation location for floor guides

For barn door applications



Installation Steps

Step #1:

Determine door size, header height, track position, and bottom clearance based on kit code ordered by using dimensions shown in detail views on previous page.

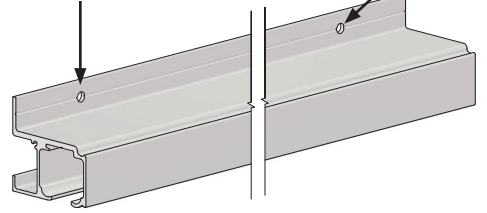
Step #2:

Note: If access to ends of track is not available, step #3 must be completed before step #2.

Cut C-412 aluminum track to size if required, typically 2 x door width. Drill clearance holes through mounting flange of track at appropriate intervals.

Note: Use a minimum of Ø5/16 in [8 mm] lag or structural bolts, spaced 12–16 in [300–400 mm] on center. Proper structural support is required. Always consult a structural engineer to confirm that mounting surface and fasteners are suitable for load and application.

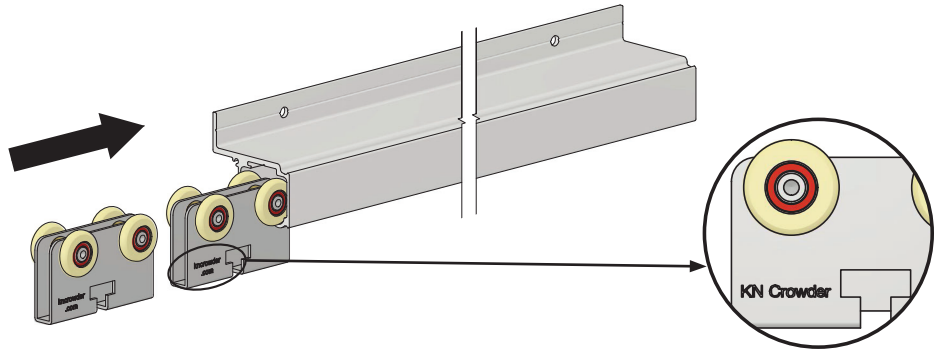
Mounting holes are not pre-drilled and must be marked and drilled by installer.



Step #3:

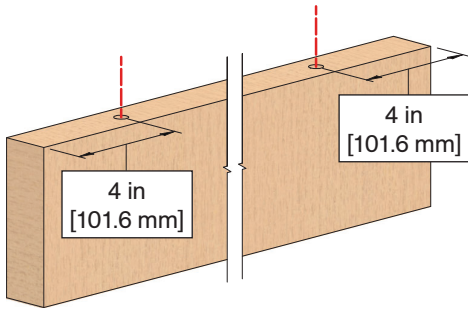
Slide two (2) C-411 Hanger Bodies with wheels into track.

Note: Ensure “kncrowder.com” text on hanger bodies both face same side.



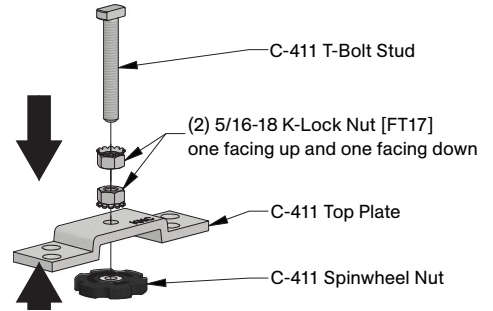
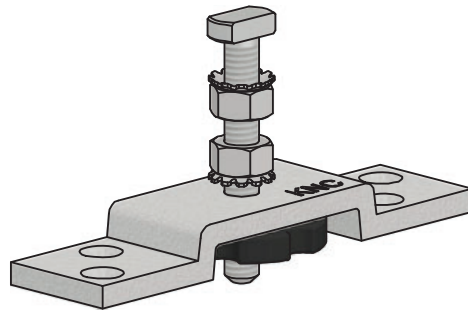
Step #4:

Locate center of clearance hole/top plate on top of door and drill a Ø1/2 in [12.7 mm] clearance hole at least 2 in [50.8 mm] deep.



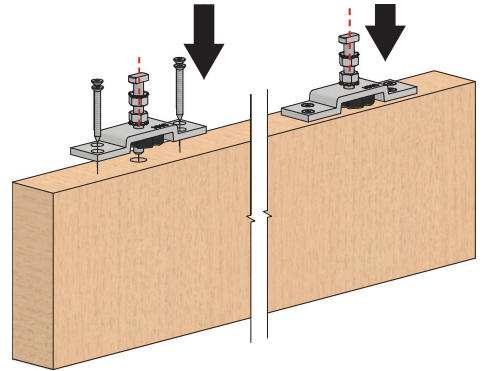
Step #5:

Assemble C-411 Top Plate assemblies, two (2) assemblies required:

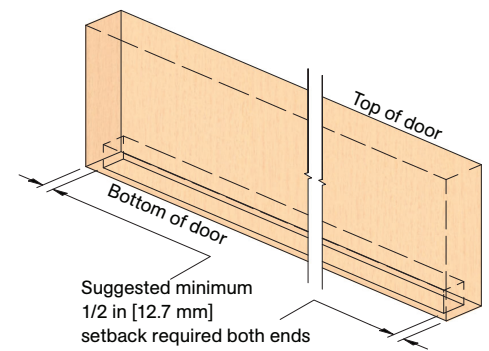


Step #6:

Place assemblies from **step #5** on top edge of door with t-bolt placed into clearance hole. Mark screw hole locations and pre-drill Ø1/8 in [3.2 mm] holes at least 1 1/2 in [38.1 mm] deep. Secure with four (4) #10 x 1-3/4" Flat Head Screws [FT9] per hanger.



Note: If door has sufficient overlap, guide channel can be recessed into door without cutting a full-length slot in door. If guide channel will be fully recessed, it is recommended to have at least 1/2 in [12.7 mm] door material at each end of door before start of guide channel slot.



For C-412

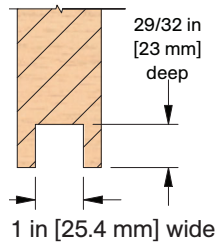
Steps #7 and 8:

No guide channel prep or installation required.

For C-412-W

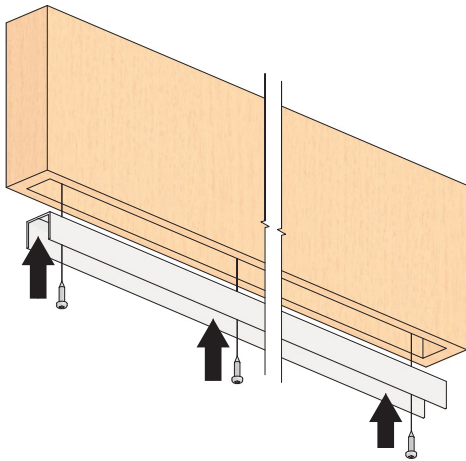
Step #7:

Prepare C-914 Guide Channel Slot in bottom of door:
1 in [25.4 mm] wide in center of door,
29/32 in [23 mm] deep and set back
1/2 in [12.7 mm] from both edges of door.
Make slot as accurate as possible for
secure fit and neat appearance.



Step #8:

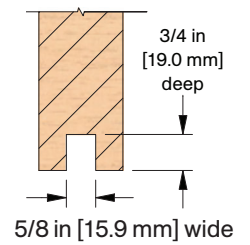
Cut C-914 aluminum guide channel to length of slot routed in **step #7**. Drill holes in C-914 Guide Channel and pre-drill holes in door. Locate C-914 Guide Channel in slot and secure channel into place with four (4) #8 x 3/4" Pan Head Screws [FT2].



For C-412-B

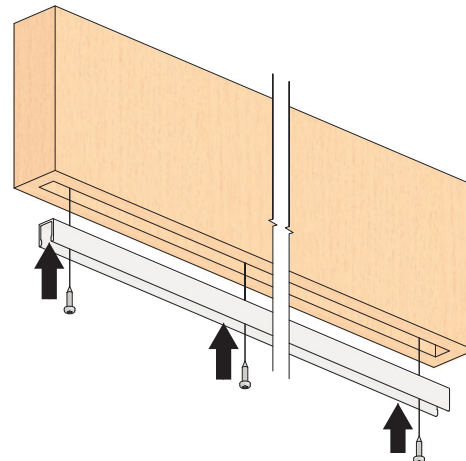
Step #7:

Prepare C-201 Guide Channel Slot in bottom of door:
5/8 in [15.9 mm] wide in center of door,
3/4 in [19.1 mm] deep and set back
1/2 in [12.7 mm] from both edges of door.
Make slot as accurate as possible for
secure fit and neat appearance.



Step #8:

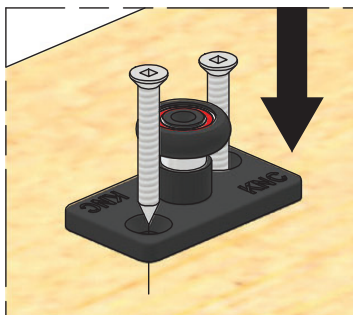
Cut C-201 aluminum guide channel to length of slot routed in **step #7**. Drill holes in C-201 Guide Channel and pre-drill holes in door. Locate C-201 Guide Channel in slot and secure channel into place with four (4) #8 x 3/4" Pan Head Screws [FT2].



For C-412-W

Step #9:

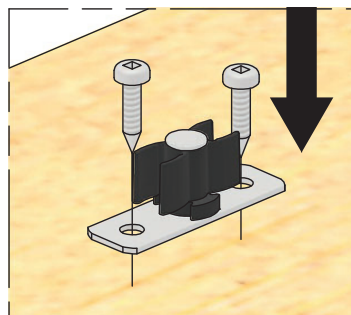
Position C-913 Guide per typical installation location details and secure to floor with two (2) #10 x 1-1/2" Flat Head Screws [FT7].



For C-412-B

Step #9:

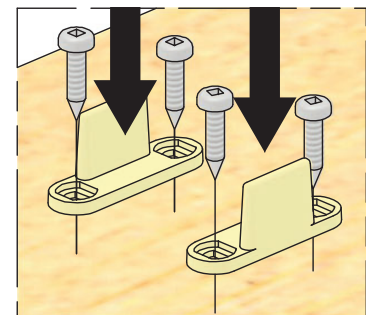
Position C-200 Guide per typical installation location details and secure to floor with two (2) #8 x 3/4" Pan Head Screws [FT2].

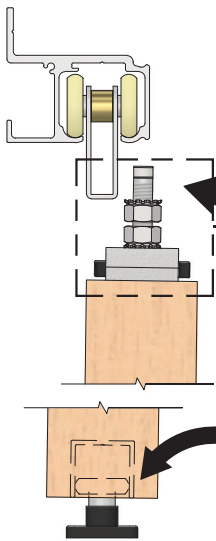


For C-412

Step #9:

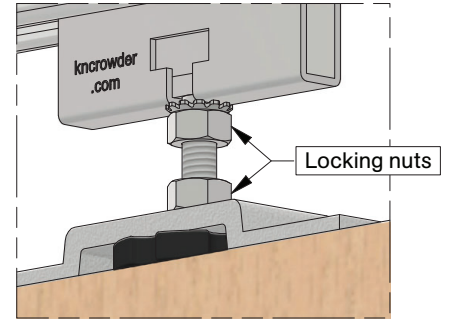
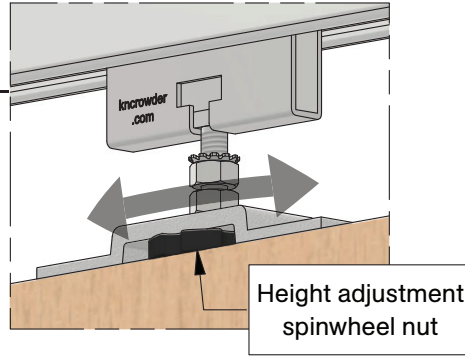
Position C-1203 Nylon Guide Set per typical installation location details and secure to floor with four (4) #8 x 3/4" Pan Head Screws [FT2].





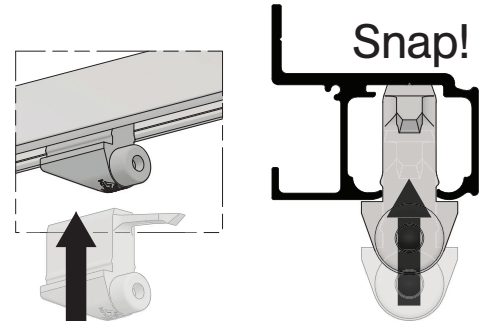
Step #10:

Raise door, position over guide and under C-411 Hanger Bodies in track. Lift door up and engage t-bolt with t-slot on C-411 Hanger Bodies. Adjust door height and plumb using spinwheel nuts on top plate assembly lock final height adjustment with 5/16-18 K-Lock Nuts [FT17] using 1/2 in wrench.



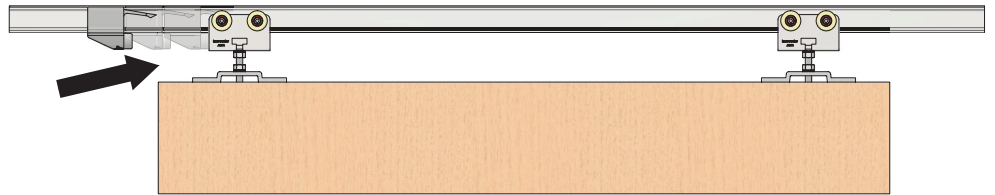
Step #11:

After door has been installed, snap CDC-412 Catch/Stops into each end of track with bumpers facing towards center of track. Once snapped into track, CDC-412 Catch/Stops should be free to slide within track.



Step #12:

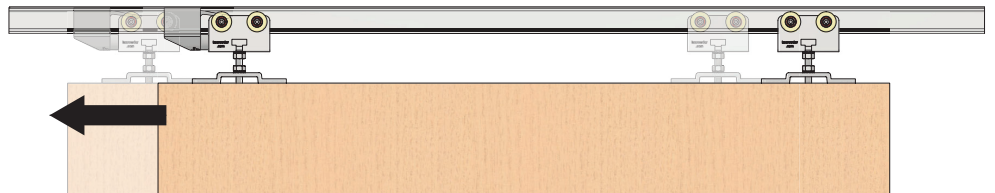
Position door approximately 5-10 in [127-254 mm] away from final position at one end, shown right with left side. Push loose CDC-412 Catch/Stop against hanger and engage it with hanger. Bumper should be against hanger body.



Step #13:

With CDC-412 Catch/Stop loose, slide door to final/desired position.

Note: Ensure that strike and any finishing trim thicknesses are taken into consideration for final/desired position of door.



Step #14:

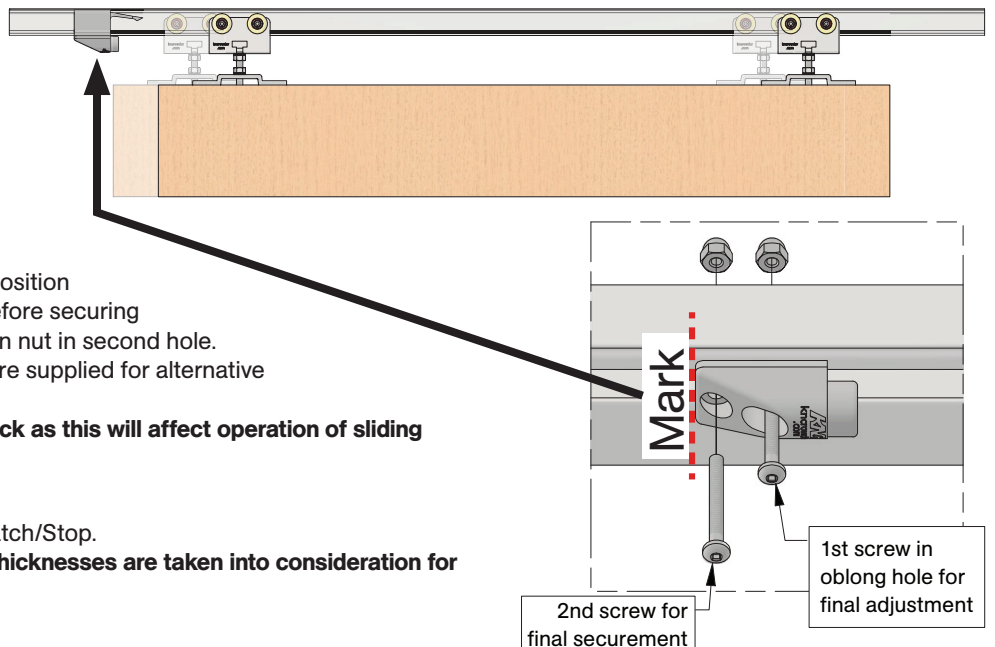
Once final position is achieved, mark outside edge of CDC-412 Catch/Stop as shown right, disengage CDC-412 Catch/Stop from hanger and slide door back. Position CDC-412 Catch/Stop at mark and pre-drill Ø3/16 in hole in oblong hole and secure with one (1) #10 x 1-3/4" Machine Screw [FT46] and one (1) 10-24 Acorn Nut [FT42]. Recheck door position and adjust CDC-412 Catch/Stop if necessary before securing by pre-drilling and with machine screw and acorn nut in second hole. Four (4) #10 x 2-1/4" Self-Drilling Screws [FT6] are supplied for alternative securement of CDC-412.

Note: Remove any drill fillings from inside of track as this will affect operation of sliding door system.

Step #15:

Repeat steps #12 - 14 for opposite CDC-412 Catch/Stop.

Note: Ensure that strike and any finishing trim thicknesses are taken into consideration for final/desired position of door.



Optional C-413 Fascia Installation

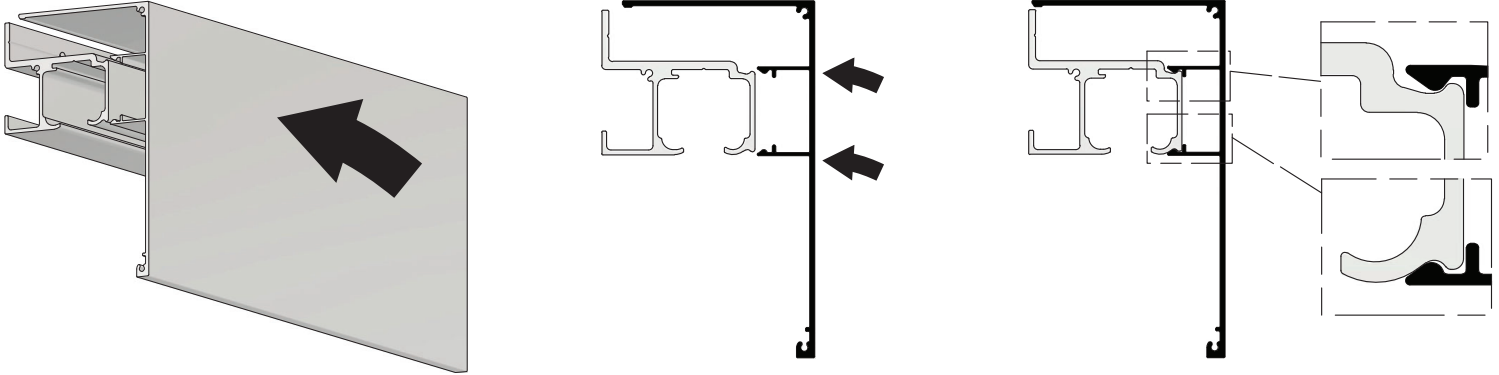
Step #F1:

Cut C-413 Fascia to match track length.

Step #F2:

Lift fascia up to track. Snap it into place as shown.

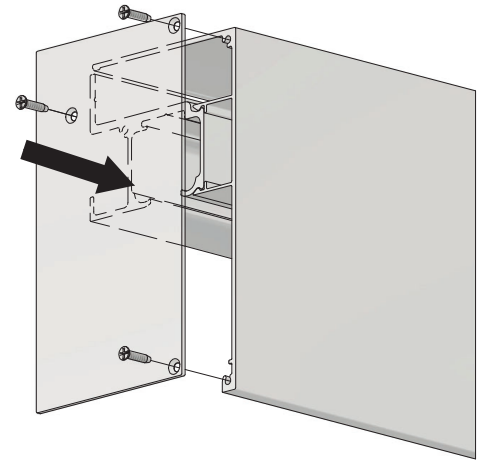
Note: If fascia is loose, use a rubber mallet on inside leg at 24 in [610 mm] intervals to tighten fit.



Optional C-414 End Cap Installation

Install C-414 End Cap as shown to the right with supplied #4 x 5/16" Flat Head Screws [FT29], three (3) screws per end cap provided.

Note: Do not install with impact driver.



Top Plate Template

