

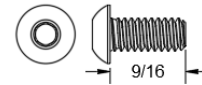
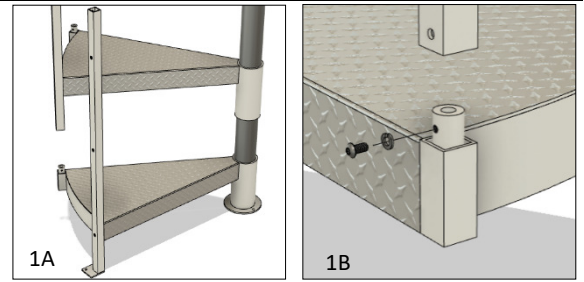
# D500 Spiral Stairway Instructions

**\*\*Before beginning installation, you will need to supply your own fasteners to secure the Platform to the upper level structure, as well as the fasteners for the Column and Baluster Baseplates. For all other fasteners please refer to the Hardware list and Fastener Identification Sheet.\*\***

## Step 1: Position and Fasten Treads

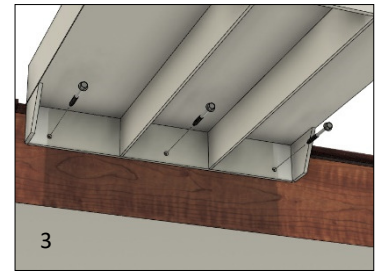
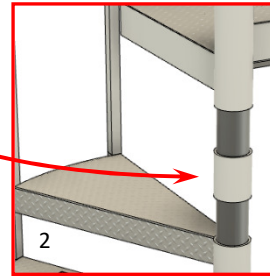
This step is done more easily when positioned in a corner of the upper level if possible.

- ✓ A) Set Bottom Tread in position, set center column into bottom tread sleeve, then slide and lower the other treads over the center column.  
\*Note: other treads can be installed in any order for D500 model
- ✓ B) As you slide each tread down into position, slide the bottom of each baluster over the round Baluster Pin which extends up from the tread below. Install 1/4-20 x 9/16" Button Head bolt with lock washer & hand tighten using included hex wrench.



## Step 2: Install Platform Spacer Sleeve above top tread.

- ✓ This is a loose tube that is less than 6-1/2" long.  
**\*\*THIS MUST BE INSTALLED BEFORE PLATFORM!!!**  
(or the platform will have to be removed to install it)



**\*Critical Step\***

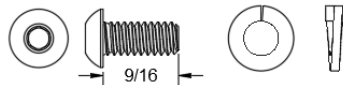
(view from below platform)

## Step 3: Fasten Platform to Upper-Level Structure

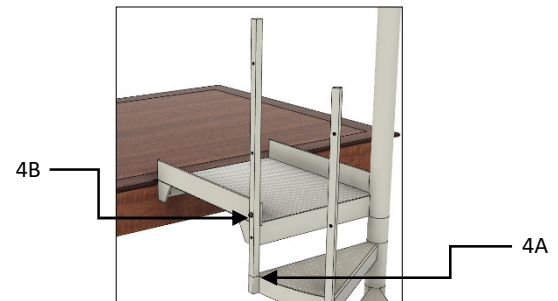
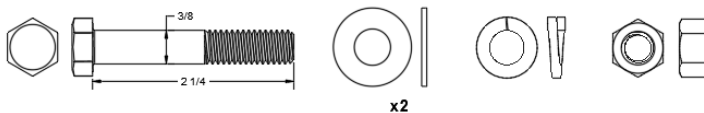
- ✓ Place the platform over the center column and fasten to the upper-level structure using fasteners to fit the pre-drilled  $\text{Ø}7/16$ " holes. (See Fig 4)

## Step 4: Install Top Baluster

- ✓ A) Place the baluster onto the baluster pin on the top tread so that the pre-drilled  $\text{Ø}5/16$ " hole lines up with the threaded hole in the pin (on the tread). Install 1/4-20 x 9/16" Button Head bolt with lock washer & hand tighten using included hex wrench.

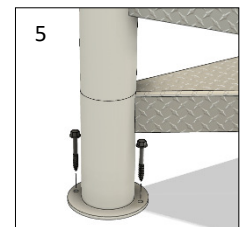


- ✓ B) Bolt Top Baluster to platform with 3/8 x 2-1/4" Bolt, 2 Flat Washers, 1 Lock washer & Nut.



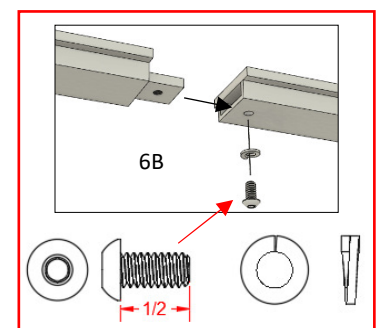
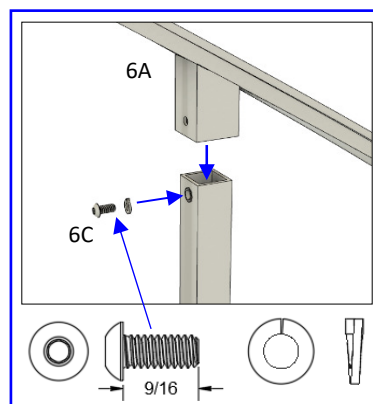
## Step 5: Plumb and Secure Center Column

- ✓ Plumb the center column using shims as needed to level the baseplates on both the column and bottom baluster.
- ✓ Once you're confident of the vertical alignment, secure the column and bottom baluster using fasteners to fit the pre-drilled  $\text{Ø}3/8$ " holes. (See Fig 5)



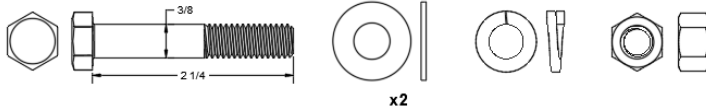
## Step 6: Position & Attach Handrail

- ✓ A) Beginning with the BOTTOM section; lower handrail onto the main balusters.
- ✓ B) As you go, connect each section of handrail to the next at Splices using 1/4-20 X 1/2" LONG Button head screws and 1/4" lock washers.
- ✓ C) Using the included 1/4-20 X 9/16" Button head screws, and 1/4" lock washers, fasten the metal handrail sections to the main balusters.

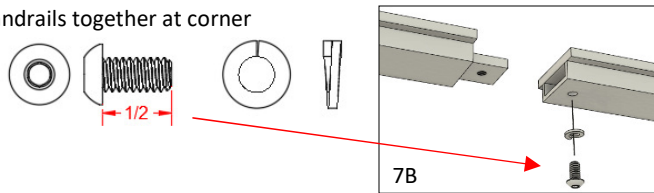


## Step 7: Attach Platform Railings (for C or D style Platforms only)

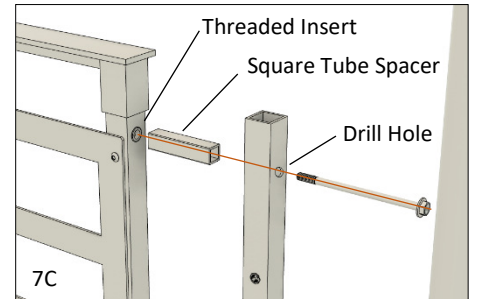
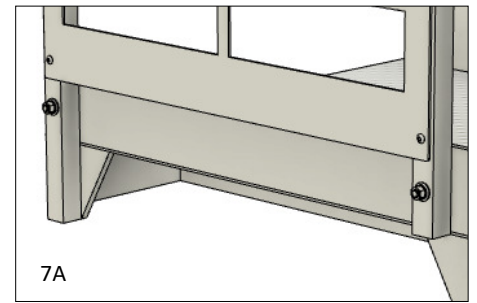
- ✓ A) Bolt Loose sections of level rail to platform using the 3/8 x 2-1/4" Bolt, 2 Flat Washers, 1 Lock washer & Nut through each post.



- ✓ B) For D-Platform, attach handrails together at corner with 1/4-20 X 1/2" LONG Button head screw and 1/4" lock washer.

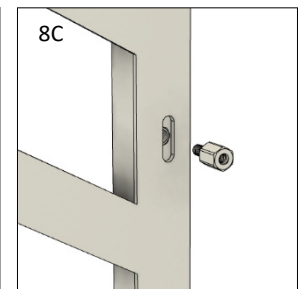
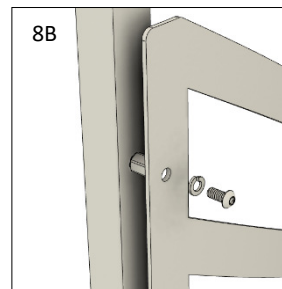
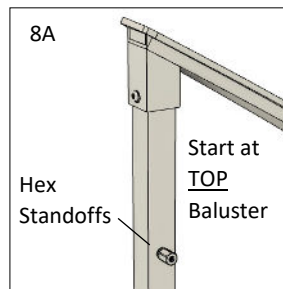


- ✓ C) For C-Platform, drill 3/8" dia. hole through top spiral baluster **in line with threaded insert** in platform rail post. Install 5/16-18 x 5-1/2" Bolt, Flat Washer, & Lock Washer through top baluster and the 3-3/8" Long square tube spacer and into the threaded insert.



## Step 8: Fasten Spiral Infill Panels

- ✓ A) Starting at TOP of Stair, Install (3) Hex Standoffs into threaded inserts in the side of the TOP BALUSTER.
- ✓ B) Using (3) included 1/4-20 X 5/8" Button head screws and 1/4" lock washers, attach upper side of panel to the (3) standoffs.
- ✓ C) Attach lower side of panel to next baluster down using (3) Hex Standoffs.
- ✓ Repeat this process all the way down to the bottom panel. Attach lower side of Bottom Panel using (3) included 1/4-20 X 5/8" Button head screws and 1/4" lock washers (NO hex standoffs).

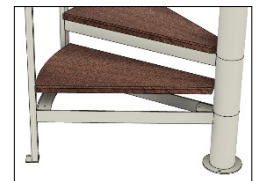


**Note: Steps 9-10 are optional based on the options you chose for your stair.**

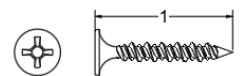
## Step 9: Align and Fasten wood covers

**Note: Wooden covers come unfinished and should be sealed completely and promptly to avoid warping and cracking.**

- ✓ Tread Covers
  - Align the covers with the tread frame and touching the balusters. Position wood covers so that they are evenly centered on the tread. The wood treads should overlap the metal form equally on both sides. After drilling pilot holes, secure the cover to the frame using the included #9 X 1" wood screws.
- ✓ Platform Cover
  - Place platform cover flush with the sides, and with an overhang of 1" on the edge stepping down on to the first tread. Attach through the pre-drilled holes with supplied #9 X 1" screws.
    - Fasteners are NOT provided if using your own wood tread and platform covers.

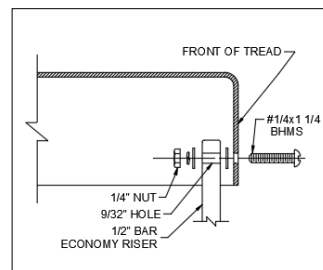


Wood Covers

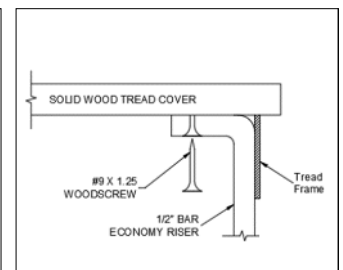


## Step 10: Install Tread Risers

- ✓ Many codes require a gap of no more than 4" between treads. If this is the case for your stair, our optional risers would solve that problem. The majority of the styles we offer will bolt through the front of the tread using the supplied 1/4-20 X 1-1/4 Button head, 1/4" flat and lock washers and a 1/4" nut. Risers with solid wood treads will screw up into the cover using the supplied #9 x 1" Wood Screws.



Risers for Metal Treads/platform



Risers for Wood covers

## Step 11: Touch up Paint for minor scratches

Note: It is recommended to practice on a less visible area first.

- ✓ Scratches and scuffs may appear during shipping. For most colors your stair will come with touch-up paint. (If using a custom color – a local color match may be needed.)
- ✓ Keeping the repair area as small as possible, sand the area with 120-grit sandpaper. Wipe off any dust or residue and brush or daub paint on.
- ✓ If bare metal is exposed after sanding: Prime the area of bare metal and dry according to primer directions. Sand out the brush marks before adding the topcoat.