SPIRAL STAIR INSTALLATION

Step 1. Position treads Position bottom tread and place center column in tread sleeve. • Lower remaining treads onto the column and attach to the tread below it.

Note: Treads are numbered from the top down. It is easier to install the treads on the column, from a corner of the second floor opening.

Step2. Fasten platform Place the platform over the center column and fasten to the floor opening. • Position the treads and column into the final position.

Note: Use 4" bolts with lock washers and nuts if the floor joists are exposed. These are supplied. For other floor systems, you should select and supply an appropriate fastener. For example, use lag bolts if the floor/ceiling is closed.

Step 3. Plumb & secure column Level base plates with shims if the floor is uneven at the stair location. Plumb center column. • Fasten the bottom tread to the floor using fasteners selected by you for your system.

Step 4. Fasten treads Fasten the lower tread to the tread above it using ¼" x ½" round head screws and lock washers.

Note: The fasteners are supplied with the stair, usually in the same color as the stair.

Step 5. Lower handrail Lower the bottom section of the handrail onto the main balusters. • Lower successive sections of handrail into place.

Note: A wood block and hammer may be needed to seat the handrail sleeves onto the balusters.

Step 5A. Wood handrail option: Assemble the handrail onto the main balusters starting from the bottom. • While mounting the top section of the handrail, glue the two sections and connect with the hanger bolt. • Install the star nut assembly through the 1" access hole and tighten with a hammer and flathead screwdriver.

Step 6. Fasten metal handrail sections Fasten the handrail sections to each other and to the main balusters using ¼" x ½" round head screws and lock washers.

Note: The fasteners are supplied with the stair, usually in the same color as the stair.

Step 7. Inject silicone For stairs with mid baluster sockets, inject clear silicone into the sockets. • Place mid baluster in socket and fasten to the associated tread.

Note: Inject enough to get a good seal. Remove all excess after mid baluster is inserted.

Note: If using a round tube handrail and round mid balusters, you may need to use a center punch to dampen vibration. Tap the punch at a point on the handrail about 1/16" away from the mid baluster.

Step 8. Insert mid baluster into handrail socket. • When applicable, place spacer on baluster stud between baluster and tread. • Fasten baluster with 10-24 flange nut.

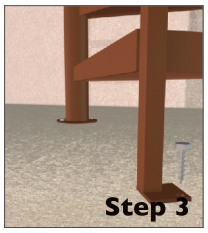
Step 9. Align the wood tread covers with the tread cover frame and touching the balusters. • Using #9 x 1" buglehead "grippit" screw after drilling a 7/64" diameter pilot hole.

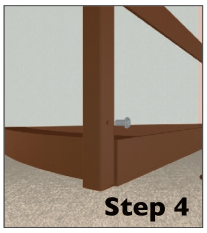
Note: Wood treads should be finished before installation.

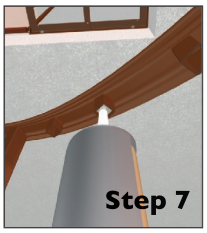
Step 10. Lower the platform cover onto the platform frame so the cover is flush with the edges of the frame. • Use 9 #8 x 1" wood screws to mount the platform frame.

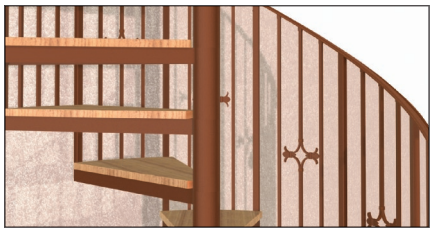
Step 11. Install level rail panel into place. • Drill a 3/8" diameter hole in the support baluster for the spacers and hardware for assembly. • Mount to the wall support. (Mounting hardware selected by you.)

Note: These instructions are meant as a guideline. Your site conditions may dictate variations to these instructions.



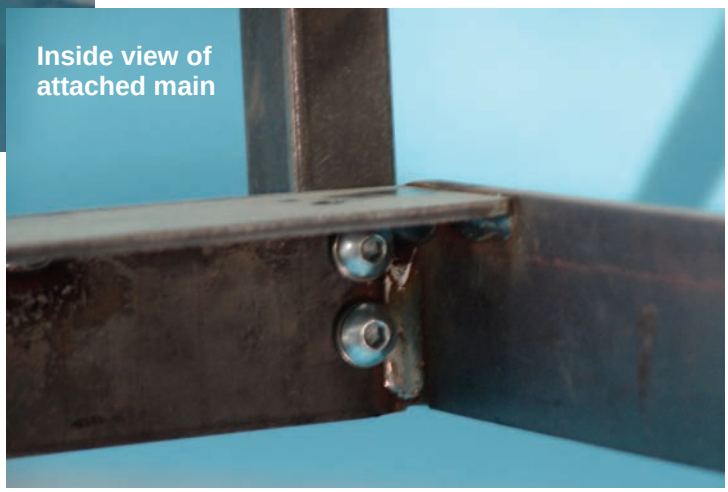






SPIRAL MAIN BALUSTER ATTACHMENT January 2008

As part of our continuous improvement efforts, we are introducing new main baluster construction on our spiral stairs. Instructions at the bottom are modifications to the standard installation instructions



MODIFICATIONS TO INSTALLATION INSTRUCTIONS:

Step 1: Add the following notes at Step 1: Install (2) 5/16” - 18 bolts through the end of tread. Finger tighten only at this time.

Step 4: Move the “fasten treads” step 4 to after the handrail is positioned.
This will then become Step 5: Tighten tread fasteners.

Note: We supply a 3/16” allen wrench for main baluster fastening. If you have a 1/4” drive ratchet with 3/16” hex bit socket, that will work well also.