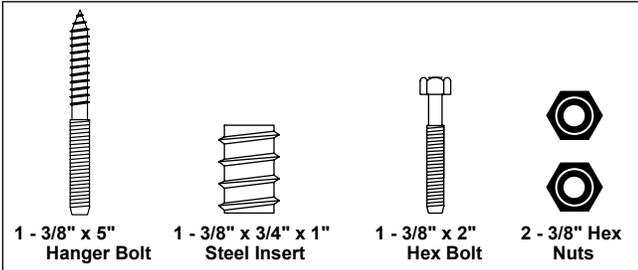
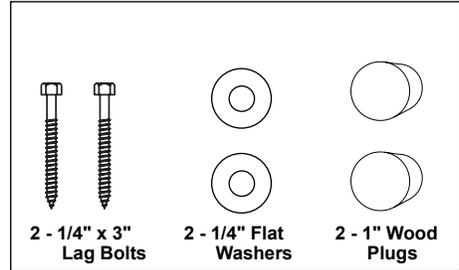


The following instructions are designed for mounting the Over The Post Utility Newels and Starting Fittings using the LJ-3007HDWE hardware kit provided. Below is a list of the hardware included in this kit.

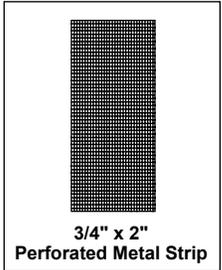
Use for Flush Mounting the Utility Newel



Use for Face Mounting the Utility Newel



Use for Mounting Starting Fittings



Flush Mounting the Utility Newel on a Starting Step, or a Finished Floor Surface

1. Position the newel on the handrail centerline and scribe a line on the starting step tread or floor completely around the newel. Find the center of the newel on the floor by scribing an (x). Drill a 5/8" hole into the floor 1 1/4" to 2 1/4" deep at the newel center. Chamfer the edge of the hole to reduce splintering.

2. Drive the steel insert into the starting step tread or floor using the Insert-Runner™ (3085). Or, install the (2) hex-nuts on the installer bolt and lock them together at the shank of the bolt leaving at least 1/4" of threads exposed on the end of the bolt to receive the steel insert. Thread the installer bolt into the steel insert until the insert contacts the hex-nuts. **DO NOT LOCK THE INSERT AGAINST THE HEX-NUTS!**

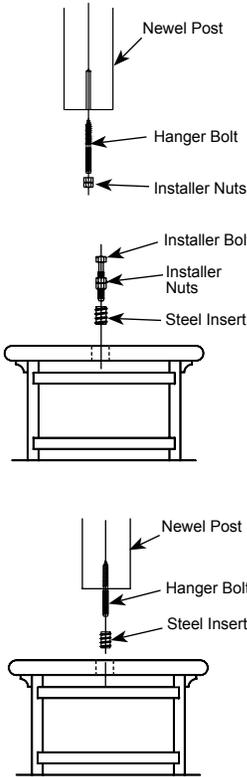
3. Thread the steel insert into the starting step tread or floor to the desired depth. The insert must be at least 1/8" below tread/floor level or deeper if desired. Unseat the installer bolt and remove it.

4. After cutting the newel post to length, find the center on the bottom square by scribing an (x) from corner to corner. Drill a 5/16" dia. pilot hole into the bottom of the newel post.

5. Remove the (2) hex-nuts from the installer bolt and install them on the hanger bolt locking them together. Install the hanger bolt into the bottom of the newel post. Leave enough of the bolt exposed to reach through the floor and thread completely into the steel insert. Unlock and remove hex-nuts.

6. Thread the newel post into the steel insert until it contacts the starting step tread or floor on all four corners. To seat the newel firmly to the tread or floor, it can usually be turned (1) full turn after it contacts the tread/floor on all sides. Glue or construction adhesive should be used on the bottom of the newel post upon final assembly.

Tools Needed: 5/16" Twist Bit, 5/8" x 3" Flare Spade Bit, Insert-Runner™ (3085), 9/16" Wrench to tighten the bolt into newel base.



Face Mounting the Utility Newel to the Face of the Riser or the End of a Kneewall

1. Drill a 1" hole in the face of the newel leaving 1" to 1 1/2" of material on the back side.

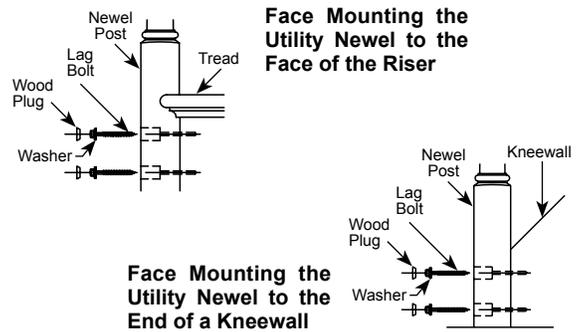
2. Drill a 3/8" clearance hole through the rest of the newel.

3. Drill a 3/16" pilot hole slightly deeper than what the bolt will penetrate into the stair riser or kneewall.

4. Install the washer over the bolt shaft and tighten using a 7/16" socket wrench and extension.

5. Apply glue to the inside of the hole and tap the plug into place leaving slightly above flush. Note: use of the L.J. Smith Wood Glue (3020) in an easy-to-use syringe may make this task quick and neat. Then sand flush.

Tools Needed: 7/16" Socket Wrench, 3/16" Twist Bit, 3/8" Spade Bit, 1" Spade Bit.



Mounting the Starting Fitting to the Utility Newel using the Perforated Metal Strip

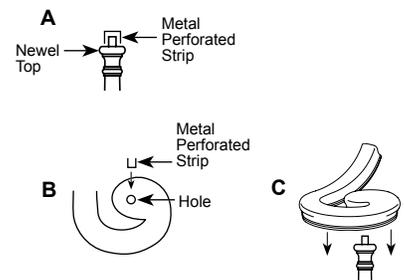
NOTE: Do not proceed with this process until you are ready for final assembly!

1. Place the strip across the newel top and fold down over the newel pin (figure A).

Alternate method: Start the strip into the fitting hole with the strip facing in a U-shape (figure B). Push the center of the strip into the hole using the blunt end of a screwdriver or like tool. Do not use your fingers. DO NOT push in too far so that the strip is completely in the hole.

2. Apply glue to the dowel or the hole or both.

3. Place the fitting down over the dowel and push until it is flush. The use of a rubber mallet to secure the fitting flush with the newel top is an option, but there is a risk that you could damage the fitting (figure C).



WARNING: Wear safety goggles. Keep out of children's reach. Read and follow the safety requirements in the owners manual of any power tool used with these hardware items. Failure to heed all warnings could result in serious bodily injury or death.

NOTE: The manufacturer bears no responsibility for the quality or safety of the final installation of the stairway and/or its components. Nor does the manufacturer bear any responsibility for broken fittings while utilizing the perforated strips for securing the fittings to newel posts.