

Installation Instructions for Floor Surfaces

LJ-3008 Hanger Bolt Newel Mounting Kit

1. Locate and mark the center of the newel post on the floor. Using a 5/8" dia. bit, drill a hole at the newel center point 3/4" deep. Now using a 3/8" dia. bit, extend the hole into adequate bracing to a depth of approximately 11". A drill bit extension or special length bit is required. (See Figure A or Figure B.)

2. Lock two hex-nuts together on the machine threads of the bolt and screw the lag end of the bolt into the hole using a ratchet and socket. Plumb the lag bolt by bending it as necessary. Remove the hex-nuts. Note that the bolt can be made shorter if desired by trimming up to 2 1/2" off of the machine threads with a hacksaw.

3. Cut the newel post to length. Drill a 1 1/2" dia. access hole into the side of the newel 5" from the bottom. Center the hole left to right. Drill the hole to a depth that is 1" from the backside of the post. CAUTION! DO NOT DRILL THE 1 1/2" HOLE THROUGH THE POST.

4. Drill a 5/8" dia. hole up the center of the newel post 5" deep to meet the access hole. Set the newel post over lag bolt. Using the 1 1/2" dia. access hole, place the washer and hex-nut on the machine threads of the bolt and tighten. (See Figure C.)

5. Make the newel post plumb by sanding or trimming the bottom of the post to the needed angle. Reinstall the post over the lag bolt and tighten. IMPORTANT: Stress the newel post in all directions several times. Retighten the hex-nut with extra torque.

6. Apply wood glue to the inside edge of the access hole. Tap the wooden plug in with the tapered edge facing in, until the plug is almost flush with the face of the newel. Let dry and sand flush.

Tools Needed: 3/8", 5/8" and 1 1/2" dia. drill bits, drill extension, and 3/4" box-end wrench and/or ratchet with 3/4" socket.

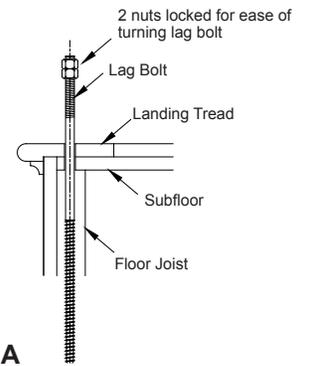


Fig. A

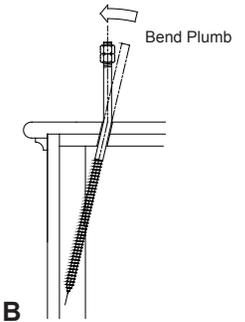


Fig. B

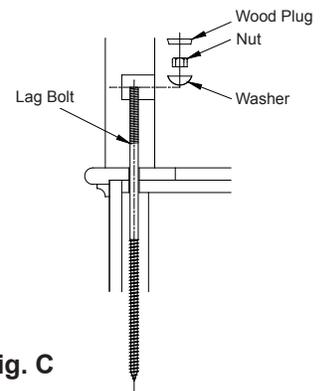


Fig. C

Installation Instructions for Starting Step

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1. Install the starting step as described in the installation instructions provided. It is recommended that a wooden shim be placed between the starting step tread and the top riser support block to reduce the possibility of cracking the tread when drawing down the starting newel.

2. Mark the location of the newel post center point onto the top of the starting step tread. Drill a 5/8" dia. clearance hole down through the starting step all the way to the floor and through the floor. Take care not to drill into any obstructions.

3. Cut the starting newel to the proper length. Mark the center on the bottom of the newel post. Drill a 3/8" dia. hole up into the bottom of the post approximately 5 1/2" deep.

4. Measure the height of the starting step tread from the floor. Add this dimension to the floor thickness plus 1 1/4". Lock two hex-nuts together on the machine threads of the bolt and screw the lag end of the bolt into the bottom of the newel using a ratchet and socket. Leave the length determined previously exposed to reach down through the starting step. Plumb the lag bolt by bending it as necessary. Make the newel post plumb by sanding or trimming the bottom of the post to the needed angle. Remove the hex-nuts and make certain the bolt extends through the flooring enough to install the washer and hex-nut. Install the washer and hex-nut on the lag bolt and tighten. IMPORTANT: Stress the newel post in all directions several times. Retighten the hex-nut with extra torque.

Tools Needed: 3/8" and 5/8" drill bits, and 3/4" box-end wrench and/or ratchet with 3/4" socket.

