

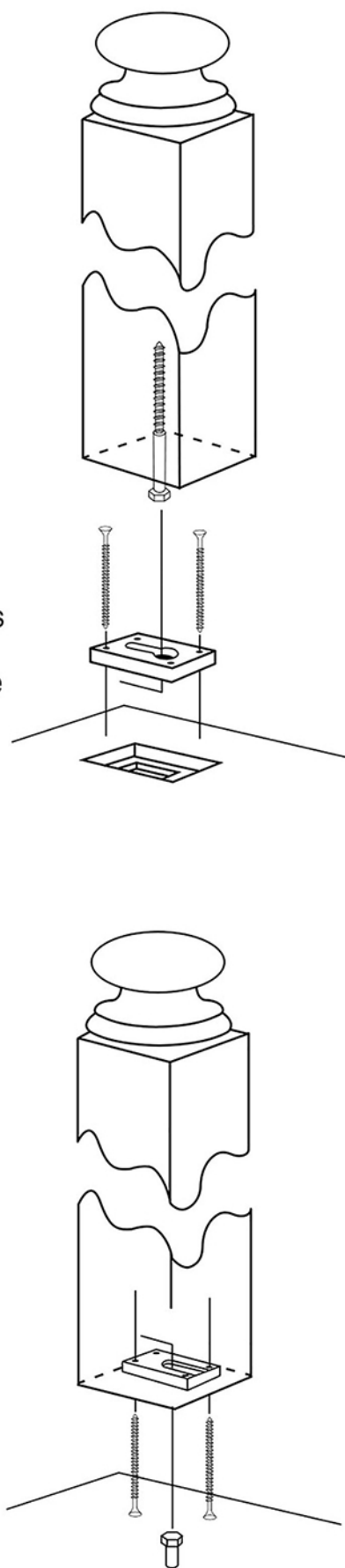
KeyLOCK™

Patent No. 4,587,788

The KeyLOCK newel post fastener is fully concealable. Use on finished floors, stairs, ceramic tile and concrete.

- 1. Newel Post Location:** Place newel post in the desired location where adequate backing is available. Draw a line around the newel post base. Set the KeyLOCK plate in center of the drawing and mark plate for inletting.
New Construction: To provide adequate backing on a stair tread, install two 2x6's between stair jacks and finish as usual.
Remodeling: If adequate backing is not available, inlet plate in bottom end of the newel post and screw lag bolt into stair stringer.
- 2. Install Plate:** Use a router or a spade bit and chisel to inlet the plate 1/16" below the finished surface. Chisel out the keyhole hole area 1/4" to 3/8" deeper, and wide enough for the lag bolt head to slide freely. Insert the plate, drill pilot holes for screws, wax threads and fasten with four screws.
Note - If the surface is cupped or warped, belt sand to provide a flat surface.
- 3. Install 3/8" Lag Bolt:** Cut newel post to length. Check the post for plumb, to accommodate an un-level surface, cut post base at an angle. Drill a pilot hole 4" deep in the bottom center of the newel post, wax lag bolt threads and screw into post using a 9/16" wrench - stop within 1/2" of lag bolt head.
Optional: Lag bolt may be installed up to 1/2" off center in bottom of newel post.
- 4. Attach Newel Post:** Insert lag bolt head into the KeyLOCK plate. Use a hammer with a block of wood (to protect post) to drive the base of the newel post towards the opposite end. The post will draw tight as the lag bolt slides down the tapered slot. If the plate shows on either side, the lag bolt needs to be loosened or tightened to conceal the plate.
- 5. Ceramic Tile or Concrete Floor Installation:** Inlet the KeyLOCK plate in the bottom end of the newel post and screw the lag bolt into the floor where adequate backing is available.
Ceramic - Drill a 1/2" diameter clearance hole (for lag bolt head) before drilling pilot hole for the lag bolt.
Carbide tile drill bit recommended.
Concrete - 3/8" concrete anchor may be substituted for the lag bolt in concrete.
- 6. Other Uses:** Use the KeyLOCK fastener for joining surfaces when a strong, flush - or removable - application is needed (mantel, shelves, signs, furniture, etc.).

TOOLS NEEDED: Router, variable speed drill, wood chisel, hammer, 9/16" wrench, 7/8" spade bit, phillips driver, wax, and drill bits for pilot holes - 5/32" for screws, 5/16" for lag bolt in **hardwoods** or 1/8" for screws, 1/4" for lag bolt in **softwoods**.



Item No. 6283