

Stairway Renovation System

Kit contents include:

- 1 - Level shoe
- 1 - Level baluster anchor
- 1 - Rake shoe
- 1 - Phillips head wood screw for installation of baluster anchor
- 1 - 5/8 inch rubber baluster adapter
- 1 - 3/4 inch rubber baluster adapter



Level Shoe



Level Baluster Anchor



Rake Shoe



3/4 inch and 5/8 inch Rubber Baluster Adapter

Open Tread Installation Instructions:

Please read these instructions *entirely* before beginning your project.

Existing wood balusters can be removed in a number of ways but the cleanest, meaning not messy, way is to use a pair of tree loppers.

Cut the baluster at its smallest diameter, usually at the top but be sure to leave a few inches below the handrail so you can work the short piece of baluster out of the bottom of the rail. Work the rest of the baluster out of the tread and remove any nails. Although the hole in the handrail and the tread will be covered, be careful not to damage the surrounding area.

Once all the balusters have been removed you can begin installing the baluster anchors (see photo).



On the tread with the open side of the anchor facing the riser of the next step (or up the stairs), insert the supplied wood screw into the anchor and start the screw into the center of the hole where you removed the wood baluster. Tighten securely with the anchor lined up squarely with the edges of the tread. Be careful not to over tighten and strip out the hole.



\*TIP: If after removing your wood balusters you notice that the tread or knee wall is drilled completely through, leaving a hole in the tread, the baluster anchor can be installed using a toggle bolt. Remove the spring loaded component from the bolt assembly. Place the machine screw of the toggle bolt assembly through the bottom of the anchor. Thread the spring loaded component back on to the machine screw in the same orientation as it was removed. Install the toggle bolt through the tread and tighten so that the baluster anchor is positioned as previously noted.

The anchor is convex on the bottom so it will center itself on the old hole. Continue up the stairs until all the anchors have been installed (see photo).



Cut your new balusters to length

Measure from inside the anchor to the low side of the hole in the handrail.



Place your measuring tape at the shoulder of the baluster (see photo) and mark the length of the measurement determined in the previous step.



Balusters can be cut with a hack saw or a power miter saw with a metal abrasive cut off blade. When using power tools, be sure to follow the manufacturer's safety instructions. Each baluster will be progressively longer from front to back on each tread. We recommend you cut from long to short so if you incorrectly cut a baluster, you can still use it by cutting it shorter for the next hole. Depending on accuracy of the original installation, the baluster lengths may not be the same on each tread therefore we recommend checking each length.

Once the balusters are cut, slide the level shoe (see photo) on the bottom of the baluster.



Slide the rake shoe (see photo) on the top of the baluster.



There are 2 baluster adapters in your package one is 5/8 inch and the other is 3/4 inch. Try each in the hole in the bottom of the rail and choose the one that fits best.



Place the adapter on the top of the baluster above the shoe (see photo).

Starting from the bottom of the stairs

Pick the assembly up and slide the bottom shoe up a few inches from the bottom so you will be able to slide the baluster into the anchor (see photo). The side with the set screw should face the open side of the baluster anchor.



Slide the top of the baluster with the adapter on top into the hole in the bottom of the rail and swing the bottom of the baluster into the baluster anchor.



Once in place you can lower the shoe down over the anchor. If you need to you can push the baluster slightly so the shoulder is up to the rail on the low side. You can now tighten the set screw on the bottom shoe.



Push the top shoe up against the bottom of the rail and tighten the set screw (see photo).



Repeat this process for each baluster as you work up the stairs.