

## 10 Degree Tapered Repair Kit and Deluxe Repair Kit

A template is needed, just as for the Inlay kit, but the procedure is a little different. The template is first attached to the bottom side of the repair material. Then, remove the o-ring on the bottom of the template guide set and slip the collar off. Set your router for a first pass of about  $\frac{1}{2}$  the depth of the material being cut and rout around the inside of the template. Make a couple more passes adjusting the depth deeper each time. The final pass should be just a few thousandths shy of going through. Remove the template and break the repair plug away from the material around it.

Next you'll attach the template to the counter upside down from what it was when you cut the repair. Replace the collar and o-ring and set your router for a first pass of about  $\frac{1}{2}$  the depth of the piece being repaired and rout around the inside of the template. Make a couple more passes adjusting the depth until the bit just passes through the material. Without removing the template, try the repair piece you made. It should be a little high at this point. Adjust the router a little deeper and make another pass and check the repair piece again. Continue until the piece ends up just a little full of the top.

Apply your adhesive and set the repair.

## Deluxe Repair Kit

If you're cutting thru the edge of the deck the Deluxe Repair Kit may come in handy. Follow the procedures of the 10 Degree Kit using a triangle shaped template that covers the repair area. Once you have completed the steps to remove a triangle thru the deck flush with the first build up you'll need to replace the outer collar with the next largest diameter collar in the kit. You'll also need to replace the tapered bit with the straight one in the kit.

Adjust the template so that the straight bit (when it cuts into the deck) is positioned some distance in from the tapered cut on both the left and the right. You're just creating a step so the distance really doesn't matter, a  $\frac{1}{4}$ " is fine. Also remember that you need to set the depth of cut so that the bottom of the bit cuts the buildup at the seam. You may want to set the depth light and make a second cut.

The final cut needs to be made thru the last piece of material. Move the template back so that the bit creates a second straight cut step just in from the last step made on the left and right. Once this cut has been made you should have a tapered cut on the top deck, a second cut just in from the tapered cut and a third cut just in from that one. You are now ready to create the repair pieces.

Flip your template over and clamp it onto a piece of material good side down. Create a piece large enough to cover the repair area. You'll be using the tapered bit and the smallest collar again. Since it's a triangle you're fitting the size really doesn't matter. Fit the tapered repair into the deck, you may have to sand it to get a perfect fit. Once this piece is done set it aside and cut two pieces to fit the buildup. Don't worry about lining up the edge flush as it will be cut off after the adhesive sets up. Make sure that each piece fits perfectly into the taper. If the piece does not fit flush sand it to fit. Dry fit each piece before you apply adhesive. Apply adhesive to all three pieces and place them into the repair as one and clamp. Once the adhesive dries you'll sand or rout the overhang.

It's simpler than it sounds. If you try this on a scrape piece you see what we mean. You can view a video of the entire process on our site. You will find it in the product description of the Tapered Repair Kit and the Deluxe Kit.

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