BRUSSO®

American Made

PRECISION HARDWARE

INSTALLATION INSTRUCTIONS

ROUTING TEMPLATES TJ-101 TJ-102 TJ-103 TJ-107

TEMPLATE	STOP HINGES		BUTT HINGES		BUTT HINGES W/ FINIALS	
TJ-101	JB-101	JB-101S	CB-301	CB-301S	CB-301B	CB-301BS
TJ-102	JB-102	JB-102S	CB-302	CB-302S	CB-302B	CB-302BS
TJ-103	JB-103	JB-103S	CB-303	CB-303S	CB-303B	CB-303BS
TJ-107	JB-107	JB-107S	CB-407	CB-407S	CB-407B	CB-407BS

These instructions are to be used when working with the TJ-101, TJ-102, TJ-103, and TJ-107 routing templates. For instance, the TJ-103 template will fit the JB-103, CB-303, and CB-303B, and so on. You can use one template to install both hinges by cutting out for one hinge and then moving the template to cut out for the other. However, it would be a great time saver and far more accurate to use 2 templates, one for each hinge. You can also use a third template to install a third or center hinge.

These templates are designed to be used with a router, a 3/4" OD guide bushing and a 1/4" carbide router bit. Since many guide bushings are cast they are not always accurate. You may have to tailor yours to make it precise. First, shorten the bushing to protrude from the bottom of the router base by slightly less than 1/8". Second, if it's cutting the pocket too small, sand the circumference of the guide bushing down a bit until the hinge fits the pocket. If it's cutting the pocket too large, place a piece of scotch tape around the circumference of the guide bushing.

Make a test cut in a piece of scrap to check the mortise depth, then unplug the router, turn it on it's end with the base up, and adjust the base to precisely center the cutting bit in the guide bushing. If the bit is not centered in the bushing, the lid or door will not line up with the case.

Set up a small platform under the lid to hold the template face up and in the same plane as the top of the box. Clamp the template in place so that the line-up dogs are between the box and lid. Line up the sides of the box, lid and template edge with an accurate straight-edge. Use the straight-edge across the top of the box and lid to check them as well. Now route in the hinge pockets, being careful to keep the router oriented in the same direction throughout all cuts, otherwise accuracy is lost. Also, operate the router in a counter-clockwise direction to minimize tear-out. The depth of the hinge pocket determines the amount of gap between the lid and box. The deeper the pocket, the smaller the gap. If the pocket is too deep, the lid will not close.

Be sure to clean the chips out of the hinge mortise before making the final finish pass. These chips may hold the guide bushing away from the inside edges of the template cutout. Once cutting is complete you must use a chisel to remove the excess material that is left and square up your final corners.

When installing the stop hinge it is critical to mortise the lid to the leaf only, leaving the entire barrel to protrude from the back of the case. If the lid or door is mortised over any portion of the barrel the hinge will not open beyond 90 degrees.

Should you require further assistance please contact customer service and we will do our best to help.

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