

Trim Around Dotted Line

10-13/16"

Drill 3/32"
Pilot Hole
3/32" Deep

3/4" Thick Custom Panel Template Instructions for Top Control Integrated Dishwasher Models

The custom panel should be sized to your installation situation. See Step 1.
It is highly recommended that the custom panel be attached before installing the dishwasher.
Use this template to locate mounting screws and spacers on the custom panel.

IMPORTANT

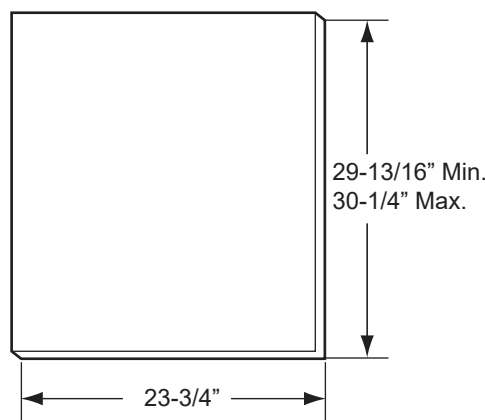
- A custom handle must be installed onto the custom panel. Install the custom handle 4-1/2" max. from the top of the panel.

PARTS INCLUDED:

- (4) Spacers
- (2) #8 x 5/8" Phillips truss head stainless steel screws
- (4) #8 x 7/8" Phillips truss head stainless steel wood screws
- (2) Heavy duty springs

STEP 1 CUSTOM PANEL SIZE REQUIREMENTS

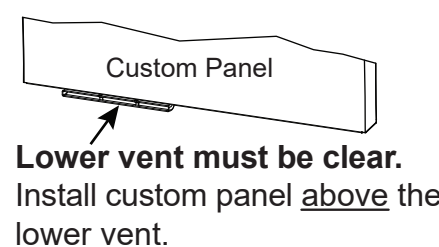
HEIGHT
Panel height must be between 29-13/16" and 30-1/4".



- If the panel height is more than 30-1/4", it will prevent the door from fitting under the cabinet.
- If the panel height is less than 29-13/16" it will not cover the dishwasher door frame.

- The bottom of the custom panel must not overhang the bottom of the metal panel. Exceeding this will cause the custom panel to hit the toe kick and the door will not fully open. Any extra length of the custom panel must overhang at the top of the door.

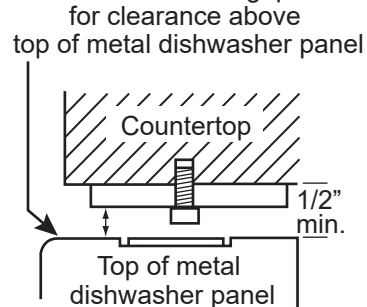
IMPORTANT: It is extremely important to make sure the lower vent is present and is not obstructed by the custom panel.



WIDTH
Panel width must be 23-3/4".

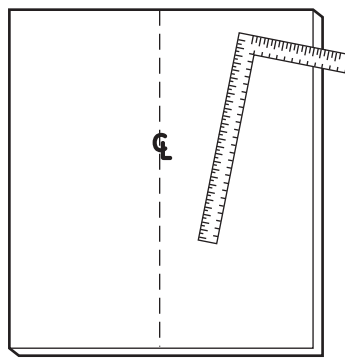
- If the panel width is less than 23-3/4" it will not cover the dishwasher door frame.

IMPORTANT: To ensure optimum door balance performance, the custom panel must not weigh more than 20 lbs.



STEP 2 DRAW CENTERLINE

- Place the custom panel on a flat surface with appearance side down.
- Locate the vertical center of the panel at the top.
- Use a carpenter's square to draw a centerline from top to bottom.

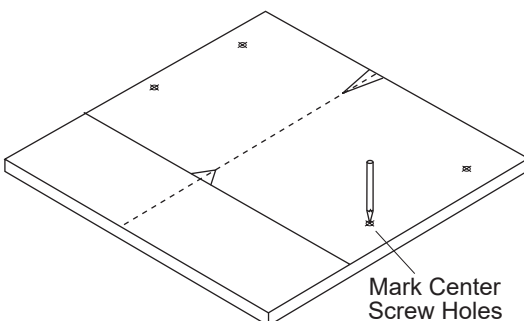


STEP 3 ALIGN TEMPLATE TO PANEL

- Trim template on the dotted line along all sides.
- Place template on the panel aligned with the **bottom edge** and the centerline. Use tape to hold in place.

IMPORTANT: If the template is not aligned properly with the panel, the panel may hit the toe kick and the door will not fully open. Longer panels should overhang at the top of the door. Make sure after installation, to maintain a minimum 1/8" gap to the countertop from the custom panel.

- Use an awl to mark the screw hole locations indicated on the template. Remove the template.



STEP 4 INSTALL MOUNTING SCREWS AND SPACERS

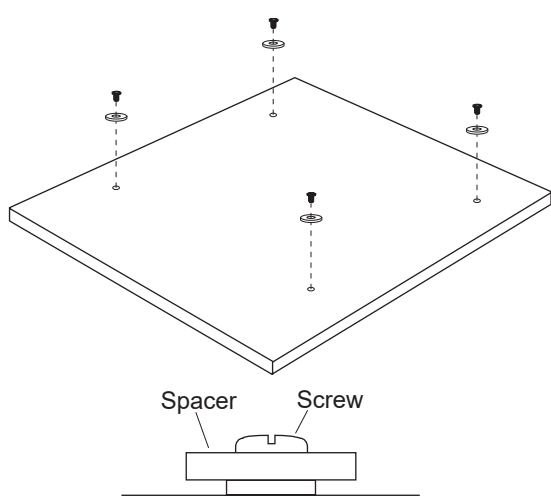
If the panel is less than 3/4" thick, shorter screws must be used. Use #8 x 3/4" screws for 1/2" thick panels (not supplied).

- Use a 3/32" drill bit to drill pilot holes 3/32" deep in the marked locations. Make sure not to drill all the way through the panel.

Note: The custom panel is secured to the dishwasher door with the spacers and screws provided. The 4 spacers will slip into the keyhole slots on the dishwasher door.

- Drive the supplied #8 x 7/8" screws through the spacer and into the panel.

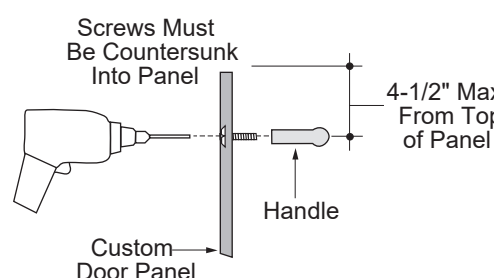
- Install remaining spacers and screws as indicated in the marked locations.



STEP 5 INSTALL CUSTOM HANDLE

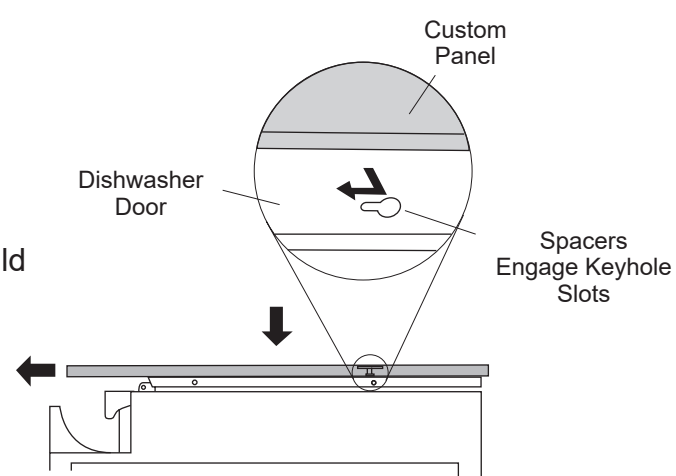
A custom handle must be installed onto the panel before the panel is secured to the dishwasher door.

- The handle should be installed so that it aligns with adjacent drawer handles, or 4-1/2" max. from the top of the panel. Secure the handle in the same manner as cabinet handles. Screws must be countersunk into the panel.



STEP 6 INSTALL ASSEMBLED PANEL

- Secure the panel to the door by inserting the top and bottom spacers into the matching keyhole slots.
- Make sure all 4 spacers engage the keyhole slots.
- Press the panel against the door and push downward until the spacers are fully engaged into the keyhole slots. The panel should align evenly with the top and sides.



Trim Around Dotted Line

Align this with bottom edge of the door only. (Do not block vent exit).

Do Not Block Vent Exit - See STEP 1

Trim Around Dotted Line

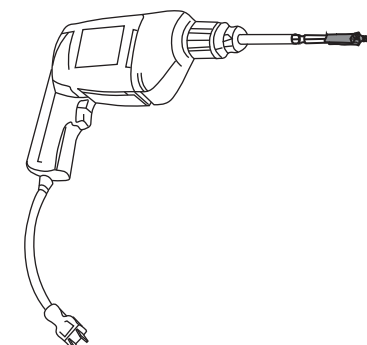
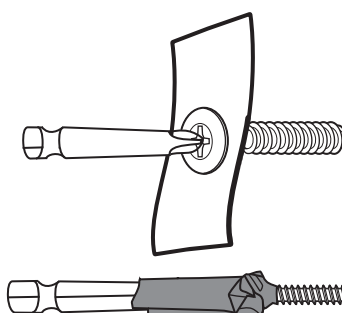
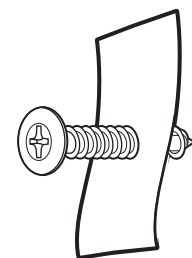
10-13/16"

Drill 3/32"
Pilot Hole
3/32" Deep

STEP 6 INSTALL ASSEMBLED PANEL - (CONTINUED)

Due to location of screw holes and very limited space it will be very helpful to attach screws to the driving bit with tape to keep the screw from falling off inside the door while inserting down inside. Read and follow the steps below.

- Insert one of the supplied #8 x 5/8" truss head screws through a piece of masking tape.
- Insert a minimum 2" long bit into head and wrap tape around end of bit. (#1 square drive preferred)
- Use a bit extension with a max 3/8" diameter shank and a minimum 2-3/4" length.

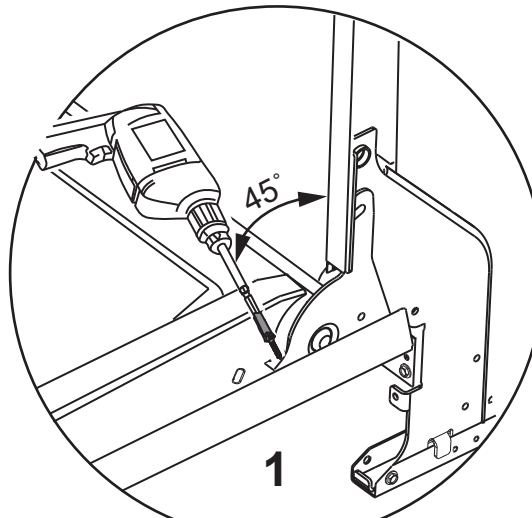


CAUTION

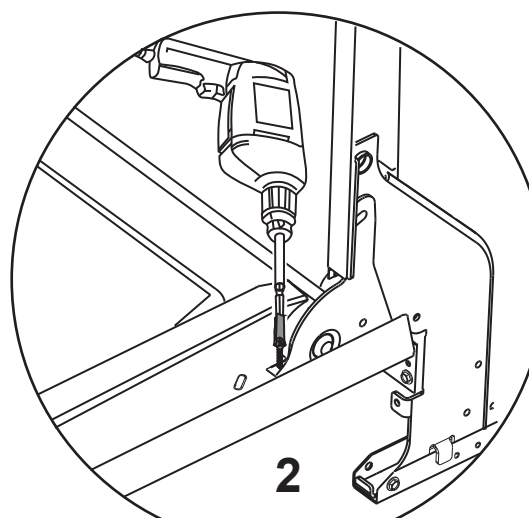
It is extremely important that the 2 screws are driven into the wood panel through the metal door assembly. This locks the vertical motion of the custom panel and if not secured the panel can come off the unit during door opening/closing causing personal injury and damage to the panel.

- Carefully open the door because door will likely be unbalanced.

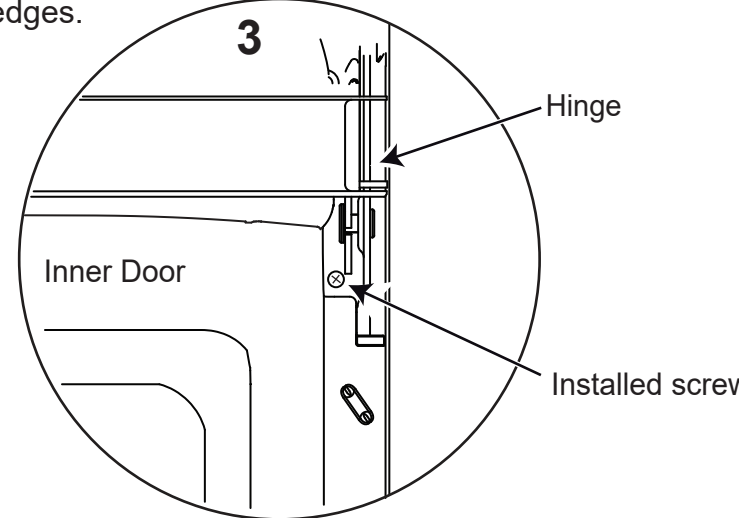
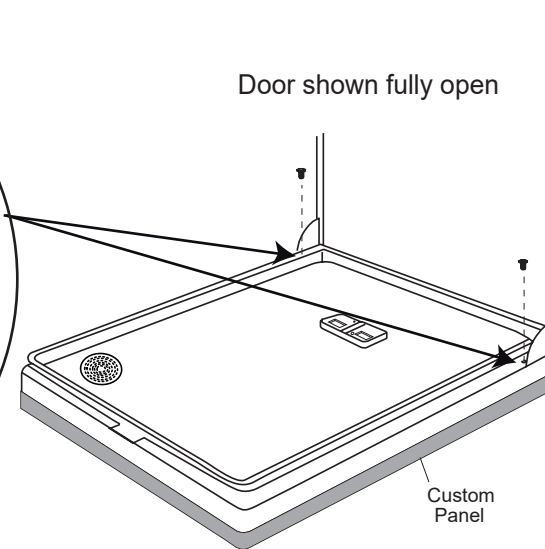
Start insertion of driver at approximately 45° angle to clear the screw head past the hinge components, once the screw head is clear, rock the driver forward to a vertical position. Proceed to drive the screw. Repeat procedure for the opposite side.



Drive screw through the hole in hinge bracket and door into the wood panel.

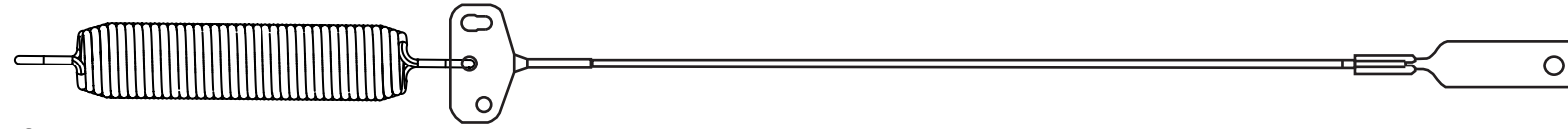


NOTICE: Do not overtighten screws. Excessive tightening of the screws could damage door edges.



STEP 7 INSTALL DOOR SPRINGS

- Depending on the weight of the panel being used, additional springs may be needed to balance the door during operation. If only one spring is being attached to the cable, the spring hook should be inserted into the middle hole on the cable and the other end of the spring should be hooked over the lowest screw on the rear tub bracket as shown below:



- If multiple springs are required on each side to balance the door, the spring hooks should be inserted into the top and bottom holes on the cable as shown below:



- The bottom spring opposite end should be hooked over the lowest screw on the rear tub bracket. The top spring hooks into the first available hole above the screw in the same rear tub bracket. See illustrations below.

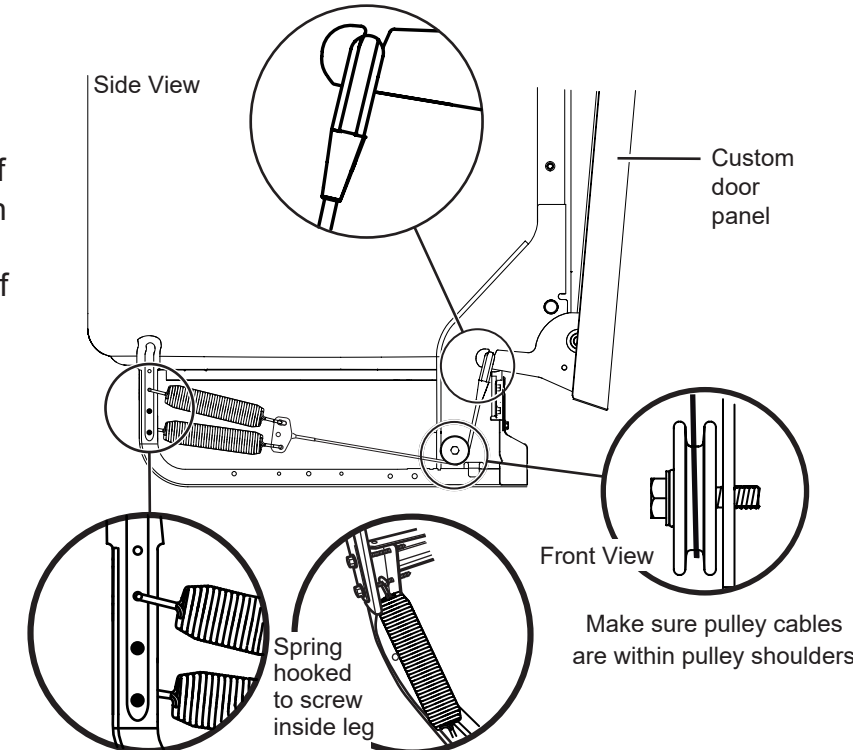
- The following table may be used as a guideline regarding which springs to use, depending on the weight of panel being added. However, spring combinations may be adjusted based on personal preferences regarding door feel.

Note: For combinations requiring two different strength springs, the side used is unimportant and the table headings below are for reference only. For example, a panel weighing 8 lbs would require two (2) gray springs and one (1) blue spring. The gray springs may be installed on the left side and the blue spring on the right side, or the two gray springs may be installed on the right side and the blue spring on the left.

Panel Weight (lbs)	Left Side Springs	Right Side Springs
0-5	Blue	Blue
5-10	Gray x 2	Blue
10-15	Blue x 2	Black
15-20	Blue x 2	Black x 2

Spring Strength	
Gray	Light Duty
Blue	Medium Duty
Black	Heavy Duty

- Close and latch the door.
- Check door balance after custom panel is installed. If the door drops open too fast, you may swap any of the springs with the next heaviest spring as shown in the table.
- Remove the rear screw-style leveling feet because of spring interference.



TIP: If the door does not open easily or falls too quickly, check spring cable routing. The cable is held in place by "shoulders" on the pulley. Check to be sure the cable has not slipped over the pulley shoulders.

IMPORTANT: Adjust both balance springs to the same amount of tension to prevent excessive door twisting during use.

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Pub no. 31-4000217-1
05-22 GEA

Bottom of Panel

