

Summary	Clean Roll Panel and Hinge Replacement				
Products Affected	Clean Roll				
Key Word Tags	CR, Panel Replacement, Hinge				
Tools/Equipment (If Required)	Drill, 3/16" Bit, Rivet Gun, Clamps, Rope				
Parts/Materials (If Required)	See description at the end of the bulletin				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

INTRODUCTION

This bulletin is a guide to replace the door panel when a hinge is used to secure the panel to the drum. Please read all applicable instructions before proceeding.

PROCEDURE



The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

Preparation for Panel Removal

Position the bottom bar at a comfortable working height prior to disconnecting power. Remove both side column covers. Cut the silicone seal between the stainless flange on the bottom bar and the door panel. Remove as much silicone as possible to allow the bottom bar to be easily removed. If the stainless flange has three bolts going through the curtain, remove them. The bottom bar can now be removed by sliding it off one end of the panel. You do not need to remove the coil cord if there is enough flex in it to remove the bottom bar.

Release the brake on the motor and unroll the panel so that the hinge is visible on the bottom/front of the drum. If you are removing the hinge with the panel, you want to leave 3/4 of a wrap of panel on the drum with the rivets from the hinge to the drum visible. If you want to replace the panel while leaving the hinge on the drum, unroll the panel all the way so that it hangs from the bottom of the roll. (Leaving the hinge on the drum makes replacing the panel a little more difficult and requires two people to do.) Roll the panel from the bottom up to about a foot below the drum. Tie the panel up using a rope around the drum and the panel on each end. These ropes will allow for easier installation of the new panel.

- If you are replacing the panel and hinge, read the sections titled "Panel & Hinge Removal", "Panel & Hinge Replacement", and "Finishing Touches."

- If you are leaving the hinge on the drum, read the sections titled "Panel Only Removal", Panel Only Replacement", and "Finishing Touches."

Panel & Hinge Removal

Drill out the rivets that attach the hinge to the drum. Make sure that you protect the panel from sparks if it is going to be reused. When the hinge releases from the drum, the ropes will be supporting the panel. Remove the panel roll from the ropes and put aside. If you are reusing the hinge, drill or grind the rivets that attach it to the panel and remove the hinge and panel backing plate.

Panel & Hinge Replacement

Remove the new panel from the tube it arrived in and keep it rolled up on a clean dry surface. Using a clamp or grip on each end, clamp the panel in a roll with the top two feet not secured. This will prevent the whole panel from laying on the ground while you work on it and allow for easier handling.

Line up the hinge on the front and along the top of the panel so that it is able to bend all the way backward and only 90 degrees forward. (Note: The hinge has a flat side and a side with a slight bend along the length of it. The flat side attaches to the panel and the bent side fastens to the drum.) Make sure that the hinge is tight to the panel and mark the holes. Move the hinge and drill the holes with a 3/16" bit. Match the hinge and backing plate by lining up the printed serial number on each of them. Position the backing plate behind the panel and the hinge in front of the panel. The backing plate will have the holes counter-sunk on one side. This side should face away from the hinge and panel. Run the rivets through from the front to the rear of the panel so that the head expands in the countersunk holes of the backing plate. Make sure that the rivets are pulled tight. A pneumatic or hydraulic rivet gun is advised.

Lift the rolled panel into the ropes and wrap the top over the drum so the hinge is in the front. If you are reusing the hinge, line up the holes in the hinge with the holes in drum. If you have a new hinge, you will need to drill new holes in the drum. Make sure the hinge stays straight and level along the front of the drum to prevent the panel from tracking unevenly. Start in the center by drilling one hole in the drum and riveting the hinge to the drum. Drill and rivet out to each side making sure that the hinge stays straight and level with each hole drilled.

Panel Only Removal

If you are replacing the panel only and do not want to remove the hinge it will require two people. When removing the panel, unroll the material all the way so that the hinge is hanging straight down on the bottom of the drum. Drill or grind the rivets that secure the panel to the hinge. Make sure that you protect the panel from sparks if it is going to be reused. Use caution since the backing plate will fall when the last rivet is removed. When the backing plate falls, the ropes will be supporting the panel. Remove the panel and backing plate.

Panel Only Replacement

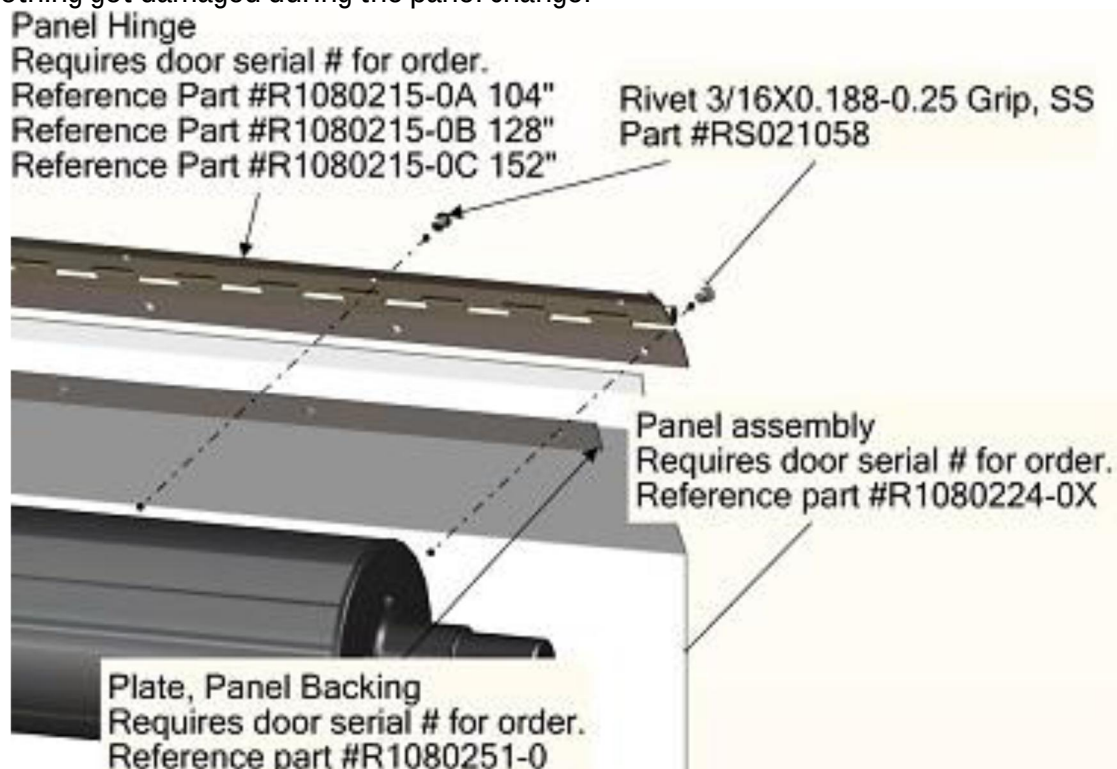
Remove the new panel from the tube it arrived in and keep it rolled up on a clean dry surface. Using a clamp or grip on each end, clamp the panel in a roll with the top two feet not secured. This will prevent the whole panel from laying on the ground while you work on it and allow for easier handling.

Line up the backing plate along the top of the panel to use as a guide for marking your holes. Remember to match the plate with the hinge by lining up the serial numbers printed on both. Mark and drill the holes using a 3/16" bit.

Lift the rolled panel into the ropes and line the top up with the hinge. Have one person hold the backing plate on the back of the panel while the other person pulls the rivets from the front. The countersunk holes on the backing plate should face towards the rear. Start riveting in the center and work to the sides making sure each rivet goes through the hinge first, panel second, and backing plate third.

Finishing Touches

Remove the ropes holding the panel and let it unroll. Slide the bottom bar back onto the panel and reattach the bolts. Use USDA approved sealant to seal the gap between the bottom bar and panel as well as the gaps between the hinge and drum. Each rivet should be sealed as well to leave no place for bacteria to gather. Put the side column covers back on and power up the door. Cycle the door a number of times and make sure that the panel is tracking straight. Test all bottom bar features to assure nothing got damaged during the panel change.



If you have any questions please contact Rytec Customer Support at 1-800-628-1909.