

Summary	Replacement and Installation of Riv-nuts.				
Products Affected	All Spiral doors.				
Key Word Tags	Riv-Nut, Repair, Replacement, Installation				
Tools/Equipment (If Required)	Assorted Wrenches				
Parts/Materials (If Required)	M8x1.25 R1210281-0, M6x1.0 R1210280-0, M5x0.8 R1210279-0				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

DO NOT USE DRILL, SCREW GUN OR PNEUMATIC TOOLS TO INSTALL OR REMOVE TORX HEAD SCREWS. POWER TOOLS ARE TOO STRONG FOR THE RIV-NUT AND MAY CAUSE THEM TO BRAKE LOOSE OR CROSS THREAD.

Hand tools such as socket wrench should be used. If you choose to use a screw gun set the clutch at a very low setting to prevent over torque of the Riv-nut. Start the screw by hand to prevent cross threading before using a screw gun.

The Ryttec Spiral model doors use inserts called Riv-nuts installed to attach different parts of the door together. For example, the side column covers are installed using Riv-nuts. The cover simply has a hole that the Torx head screw passes through and the thread portion of the screw is screwed into the Riv-nut mounted in the side column.

These Riv-nuts are brass in color and are inserted using a special tool. Basically the Riv-nut is a sleeve that inserts into the hole. (See Figure 1).



Figure 1

Using a special tool the Riv-nut is collapsed pinching the sleeve to the sheet metal. (See Figure 2 & 3).



Figure 2



Figure 3

If the Riv-nut has become loose it will need to be replaced. The Riv-nut can be removed a number of ways grinding, drilling, chisel, you'll need to determine the best method.

When you have the Riv-nut removed replace the Riv-nut and use the tool provided to install the Riv-nut. (See Figure 4 & 5).



Figure 4



Figure 5

Install the new Riv-nut with the black nut and bolt as shown in the figures above. Important: The Riv-nut must be straight and flush to the side column before beginning to tighten the black bolt. Turn the smaller black bolt hex head with a wrench and the Riv-nut will begin to collapse and pinch the sheet metal. Turn the hex head until Riv-nut has seated against the sheet metal. Remove the black bolt from the insert. NOTE: If the insert begins turning with the bolt the Riv-nut has not been tightened far enough. Try tightening the bolt further until the pinch is tight and complete. (See Figure 6).

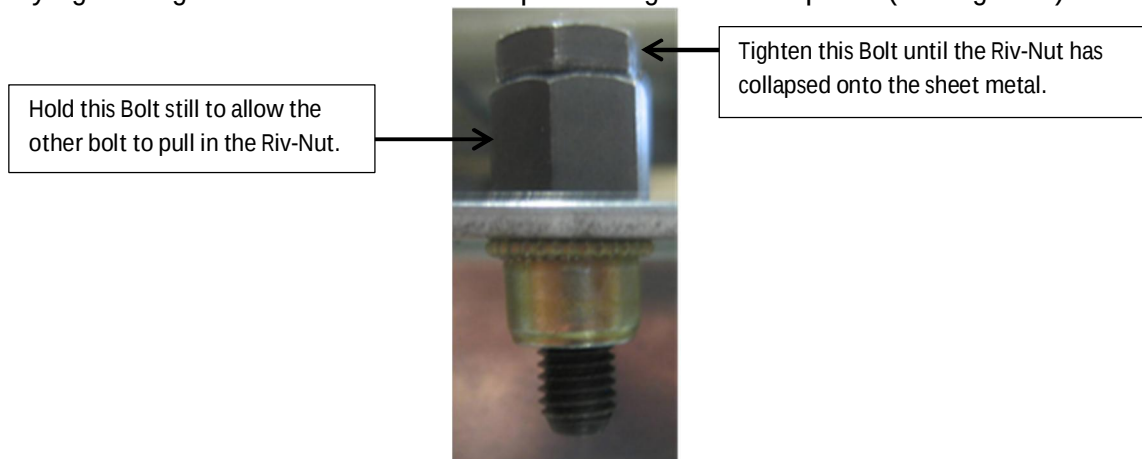


Figure 6

NOTE: There are 3 sizes of Riv-nuts that can be installed on the Spiral doors two of the packages are similar. Both containing the black hex head bolt for installing the Riv-nut. Those sizes are M8x1.25 and M6x1.0. The smallest version of Riv-nut M5x0.8 has an Allen head bolt and Allen key provided in the package to use for collapsing the Riv-nut. (See Figures 7, 8, and 9 below).



Figure 7
M8x1.25
R1210281-0



Figure 8
M6x1.0
R1210280-0



Figure 9
M5x0.8
R1210279-0

The same bolt tool can be re-used for multiple Riv-nuts. Keep the tool for future use.

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