

Revision	Date
A, Initial Release	August, 2007
B, Rebrand	June, 2008
C, Add part numbers	November, 2008

TECH SHEET, 890471 FINGER STCK REPLACEMNT

GTEM! Door Maintenance: Replacing Finger Stock Gasket

A 1-mm (0.04-in) groove in the GTEM!™ door retains the finger stock gasket. The gasket may be easily removed after one row of fingers clears the groove.

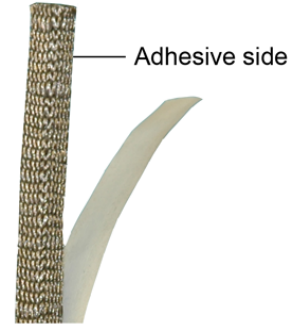
1. From one end of the finger stock gasket, grab a finger with needle-nose pliers and gently pull it out and over the groove. Hold the end out.
2. While holding the end out, use a screwdriver to pry the next few fingers away from the groove. Continue to hold the end out.
3. Slide a wide, thin blade down the entire strip to move all the fingers out and over the groove.
4. Remove both rows of finger stock gasket by pulling them out.
5. Inspect the foam gasket that is now exposed, and make sure it is recessed in the groove. If it is not recessed, replace it with new foam gasket (part # 890645). The new foam gasket is 5 mm (0.2 in) square; the old foam gasket was 6.3 mm (0.25 in) square.

Finger stock gasket (2 rows)

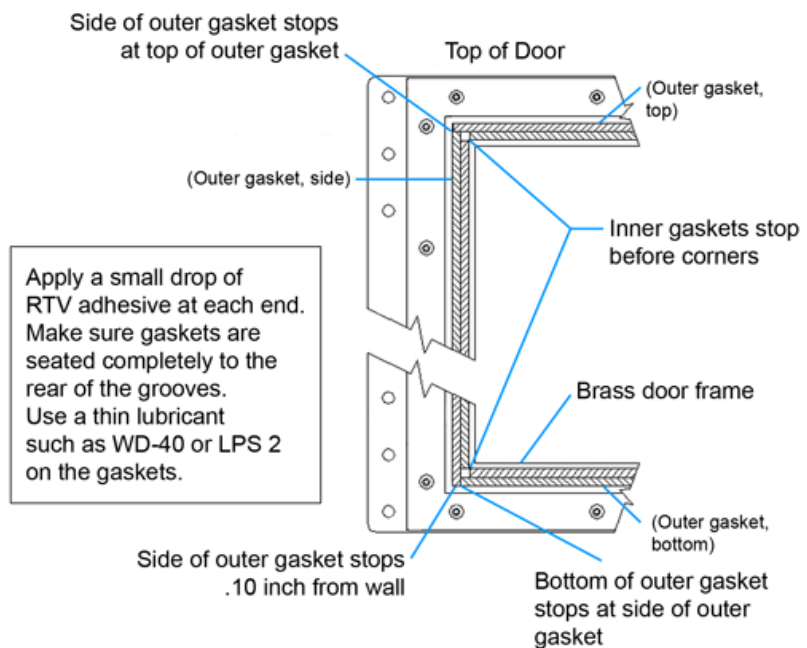


Part #890471

Foam gasket



Part #890645



To remove the foam gasket—Grab one end with needle-nose pliers and gently pull the gasket out from the groove. There is adhesive on the side of the gasket facing the groove.

To install new foam gasket—Place the gasket with the adhesive side facing the groove. Do not twist the gasket, and do not place the gasket to the side of the groove, where it will interfere with the finger stock gasket.

6. Install the finger stock gasket (part #890471). Make sure to install it properly at corners of the door.
7. To trim the length of the finger stock gasket, gently bend the gasket with your fingers until it breaks.

TROUBLESHOOTING FINGER STOCK GASKET PROBLEMS



Apply lubricant as regular maintenance—Finger stock gasket requires a thin coat of spray-on lubricant, such as WD-40® or LPS 2®. After spraying the lubricant onto the gasket, wipe off excess from the brass frame and door paint.

Apply lubricant once a month or more often, as necessary.

Symptom	Cause / Information	Action
Excessive compression of gasket fingers	<p>If you have a door with a male brass frame, the frame must be replaced; this requires the removal of the door from the hinges.</p> <p>This does not apply to a GTEM with a female frame.</p> <p>Note: Some older doors have a male brass frame with a blade thickness of 4.75 mm (0.19 in). To reduce stress on the gasket fingers, the blade thickness was changed to 3 mm (0.12 in) on newer doors.</p>	Contact the ETS-Lindgren Sales Department with your GTEM serial number to obtain a replacement frame.
Poor alignment of gasket fingers	<p>The doors should be centered within 0.75 mm (0.03 in).</p> <p>The ideal dimension between the male frame and female frame is 26.9 mm (1.06 in).</p> <p>It should not vary more than 1.5 mm (0.6 in) around the door.</p>	When replacing finger stock gasket, make sure to align the fingers as indicated.
Improper seating of foam gasket	<p>The finger stock gasket must be seated completely to the rear or it will break when closing the door. If the foam gasket is poorly assembled and improperly seated in the groove, it can interfere with the seating of the finger stock gasket.</p> <p>The foam gasket for newer doors is 5 mm (0.2 in) square; the foam gasket for older doors was 6.3 mm (0.25 in) square.</p>	If the foam gasket is not seated properly, replace it.
Shifting of finger stock gasket	<p>The inner top and bottom rows may shift over time, breaking at the corners. The vertical row and horizontal inner row should never extend past any corner.</p> <p>Newer doors have a small amount of RTV adhesive applied at each end of the gasket to hold it in place.</p>	When replacing finger stock gasket, apply RTV adhesive to each end of the gasket.
Incorrect assembly at corners	<p>The top outer row must extend to both corners. If necessary, break the finger stock gasket to leave a gap in the center of the gasket so that it will extend to the corners.</p> <p>The outer vertical rows should extend from the bottom corners to meet and support the top row in the upper corners.</p> <p>The outer bottom row should extend to meet the vertical rows in bottom corner.</p>	When replacing finger stock gasket, make sure to assemble the gasket at corners as indicated.

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