

FMU Sunscreen Standoff Repair

When removing the FMU sunscreen as needed to install the AIM2.4 external radios, it is very easy to break the sunscreen standoffs loose from the FMU upper cabinet. They are fixed to the cabinet. The standoffs may break loose from the cabinet before the attach screws break loose from the standoffs. You should try to prevent this by gripping the standoff with a pair of vise grips (try first with a protected gripping surface to prevent scarring of the standoffs) before removing the attach screw. If the attach screw doesn't loosen, and time permits, apply some penetrating oil where it may penetrate inside the standoff. Give it some time to penetrate before re-attempting to remove the attach screw. If the standoff breaks loose from the cabinet, a repair is necessary. Before beginning any repair, check all four standoffs. It may be necessary to complete the repair for more than one standoff.

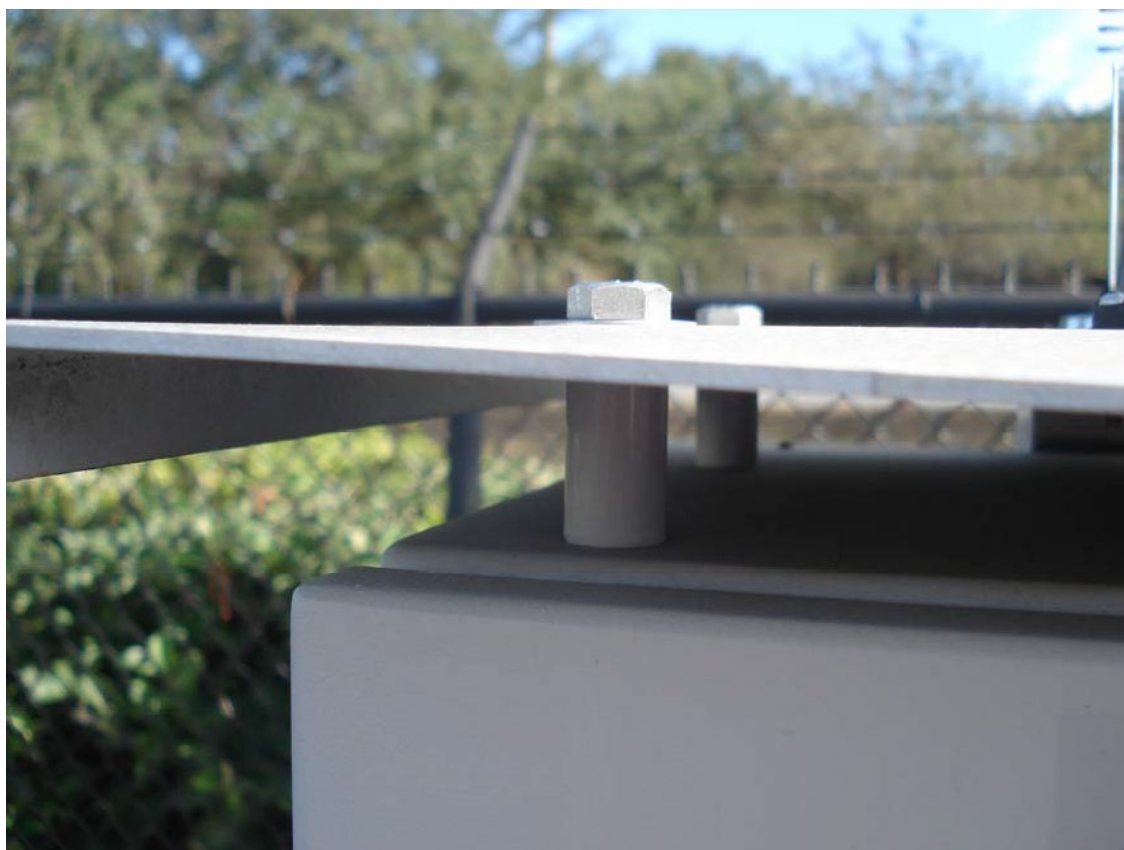


Figure 1. FMU Sunscreen Standoff and Attach Screw

The fix is to replace the standoff with a repair kit consisting of a Syntech part number 931B0216 standoff, and a 931B0217 sunscreen standoff replacement kit. The standoff has an unthreaded through hole, and is finished in either tan or gray. The replacement kit consists of a 0.375-16 x 2.00 stainless machine screw, two 0.375 stainless flat washers, and a 0.375-16 stainless nylon locknut.

The old standoff base in the top of the cabinet must be drilled out. Use extra care when drilling out the old standoff base! You are drilling into the FMU cabinet very close to circuit boards. If repairing the standoffs installed closest to the rear of the cabinet, remove the LRU in accordance with Product Bulletin 52 before drilling. Put a rag inside the cabinet to catch any metal filings and pieces of foam insulation installed just under the top of the cabinet. Drill out

the old standoff base, then remove enough foam insulation around the hole so a washer will fit flush to the FMU cabinet.

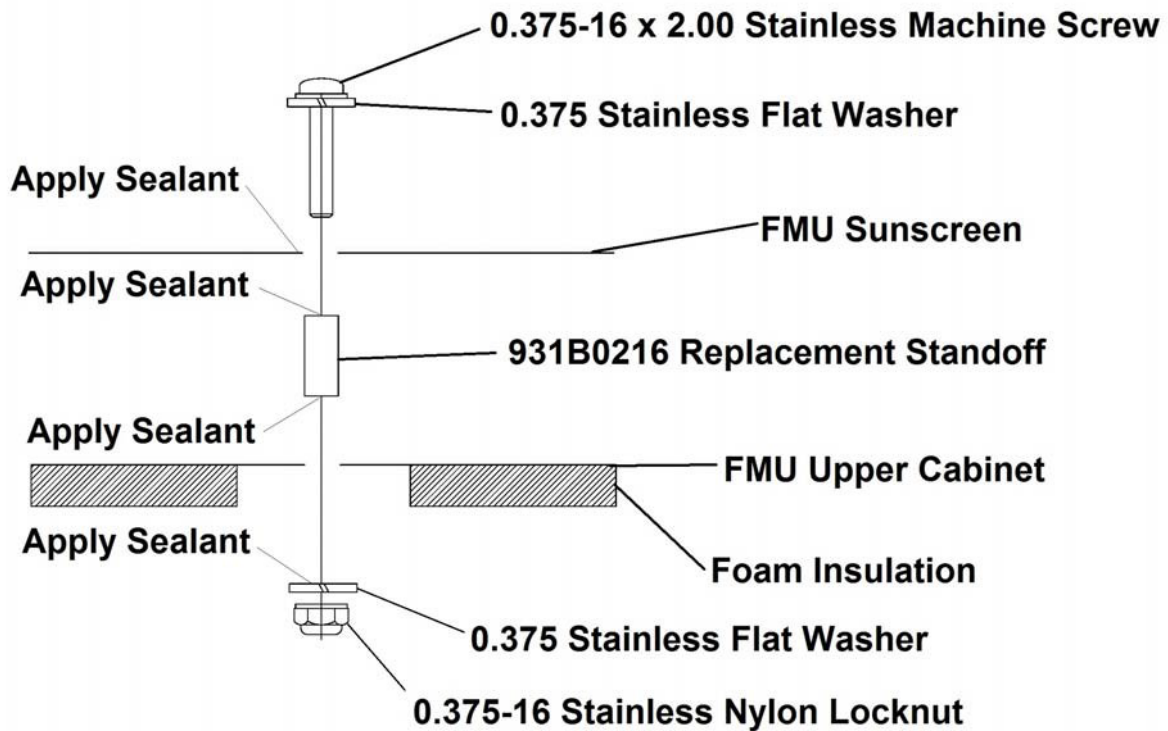


Figure 2. FMU Sunscreen Standoff Replacement Installation

The new standoff installation must be sealed to prevent water intrusion. The standoff has a through hole. Apply sealant liberally. Apply sealant to the top and bottom surfaces of the standoff, then position the replacement standoff(s) over the hole drilled into the cabinet. Reposition the sunscreen over the standoffs. Install a washer on the 2-inch machine screw. Where the repair kit is being installed, apply sealant around, and in, the machine screw hole. Insert the machine screw through the sunscreen and standoff into the FMU cabinet. Apply sealant to one side of the remaining washer. Install the washer on the machine screw so the sealant contacts the FMU cabinet, then install and tighten the locknut on the machine screw.

As required, complete the sunscreen re-installation and, as required, replace the LRU in accordance with [Product Bulletin 52](#). The standoff replacement is complete.

TIP

If any questions arise, contact Syntech Systems, Inc.'s Customer Satisfaction Center (CSC) at 1-800-888-9136, ext. 2, or email support@myfuelmaster.com.