



# Product Update Bulletin

**Bulletin 16-0008**

**Effective Date: 11/8/16**

**PRODUCTS:** Model 2102-0-01 Ford Transit Mounting Channel Kit

**ISSUE:** The Ford Motor Company in its August, 2016 SVE Bulletin (see attached) is recommending that no part of any roof rack mounted to its Transit vans comes into contact with the top roof panel surface.

Currently, on the short, 130" wheel base Transit Vans, the Weather Guard® 2102-0-01 does come into contact with this top surface:



**THIS ISSUE ONLY AFFECTS 130" WHEEL BASE TRANSIT VANS. The 148" wheel base vans are not affected.**

**INTERIM SOLUTION:** Modify, during installation, the 2102 mounting rails so they will not contact the top roof surface (see pg.2 for details).

**LONG-TERM SOLUTIONS:**

- Establish a new mounting rail kit 2185-0-01 for exclusive use with 130" wheel base Ford Transit vans.
- Replace the 36" center tube in the EZGlide2™ racks with the 70" tube to make the installation of these racks easier on these short wheel base vans.

We will update you as to when these two changes will go into effect.



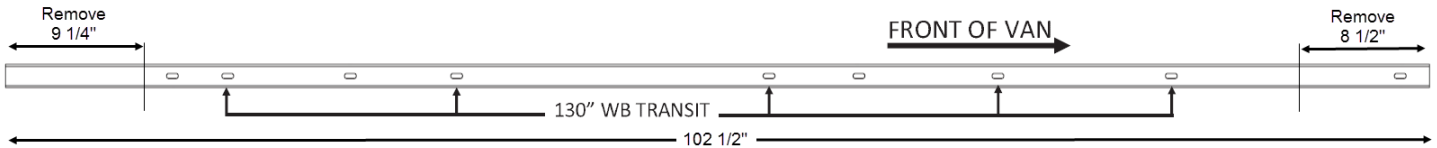
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Modifying a current 102 1/2" long model 2102-0-01 Ford Transit Mounting Channel Kit to work on a 130" wheel base Transit van:

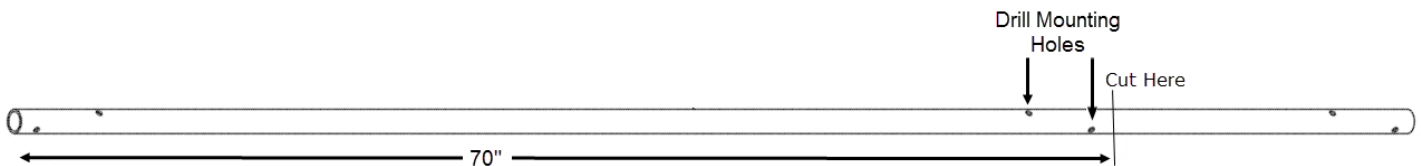
**Step 1:** Using a hacksaw, cut each 102 1/2" long rail 8 1/2" from the front and 9 1/4" from the rear:



**Step 2:** Mount the resulting 84 3/4" long rail sections to the van per the standard mounting instructions but eliminating the use of the round front bumpers and making sure to seal under the mounting pads with caulk to eliminate leaks.

## IF MOUNTING AN EZGLIDE2™ ROOF RACK TO THIS 130" WHEEL BASE VAN:

Because the mounting rail length has been shortened, the standard 89" long center tube that comes standard with these racks will no longer work with these 130" wheel base vans. For longer ladders, the 89" tube will need to be cut down to 70" and mounting holes will need to be drilled



**Q-249**



## **SVE BULLETIN**

**SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE**

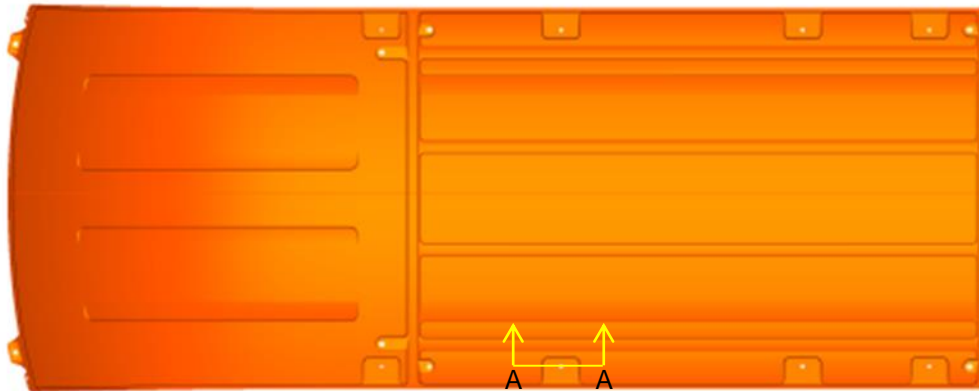
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### **Transit Roof Rack Mounting Guidelines**

**Models Affected:** 2015 to present all Transit models (Low / Medium / High Roof)

**Description:**

It is recommended that all lateral roof rack beams should be centered over the roof mounting points / depressions. The number of roof rack attachment points varies by model from 6 to 10 positions. Roof racks should be designed to equally distribute all added cargo loads.



**Figure 1: Typical roof rack attachment points**

In order to prevent damage to the roof surface panel, the roof load (rack/ cargo) needs to be distributed to the proper load bearing surface, i.e. the roof rack or attachment footprint should not contact the class A surface of the roof panel (see Section A in Figure 2). The use of a spacer at each attachment point is recommended for constructions that may require additional clearance to avoid point loading Class A surface of the roof panel (See Figure 3). Roof rack design should consider use all of all available roof attachments.

Roof rack install should utilize M8 X 1.25 bolts to attach the roof rack to the roof attachment points. Maximum intrusion of the bolt for low, medium and high roof vans is .62". The installer will need to insure sealing of surfaces, for example EPDM rubber material or equivalent should be used, plus sealing material should be used along the bolt to prevent water intrusion.

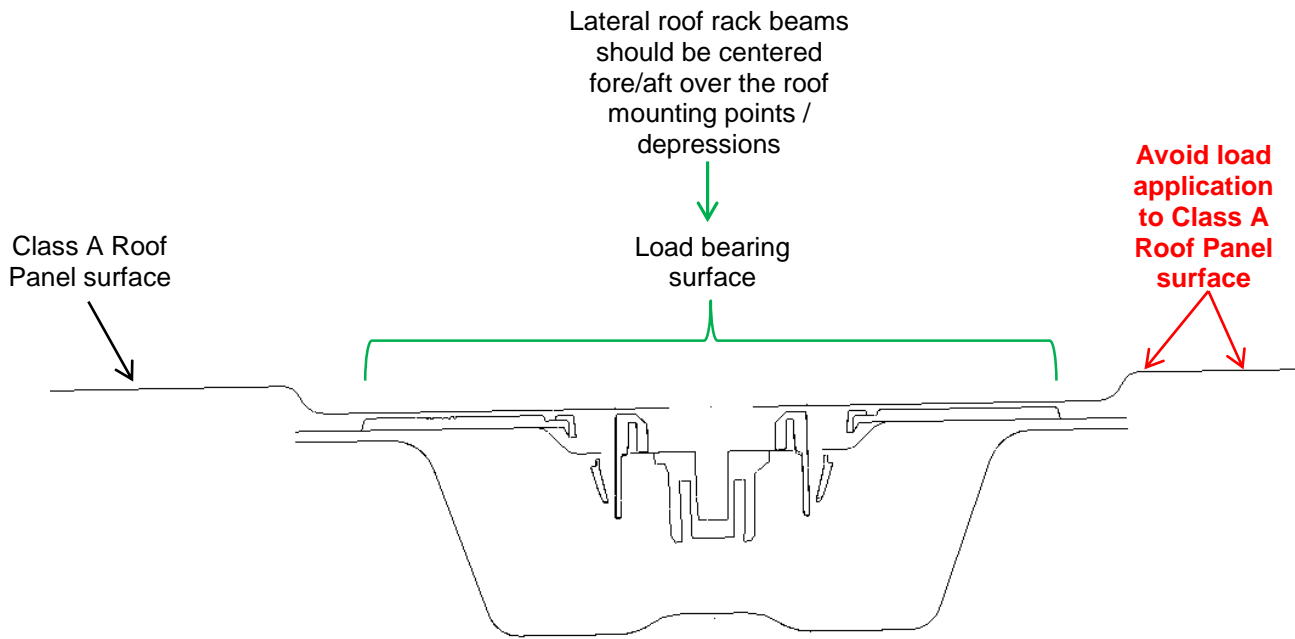
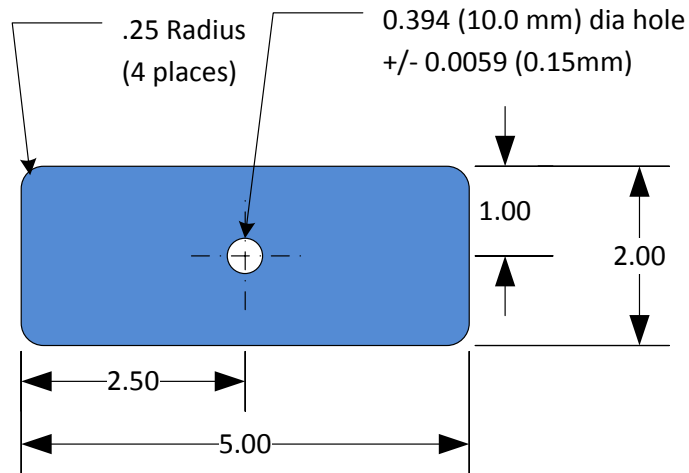


Figure 2: Section A-A from Fig. 1

Figure 3: Spacer Dimensions



**Minimum Material Thickness-**

Not to scale All dimensions in inches unless otherwise noted

Low Roof = 3/8" (0.375")  
 Medium and High roof = 9/16" (0.563")  
 De-burr all edges

Trimline Tolerance +/- 0.0197" (0.5 mm) entire periphery