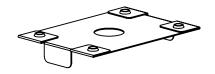


Washer, Electrical Equipment Bond

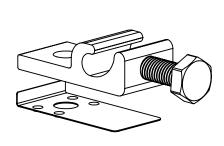
WEEB

Patent Pending

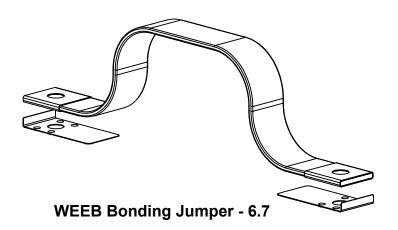
INSTALLATION INSTRUCTIONS For Professional Solar only Please read carefully before installing.



WEEB-PMC



WEEBL-6.7 assembly



Products are tested to UL 467 UL standard for safety grounding and bonding equipment

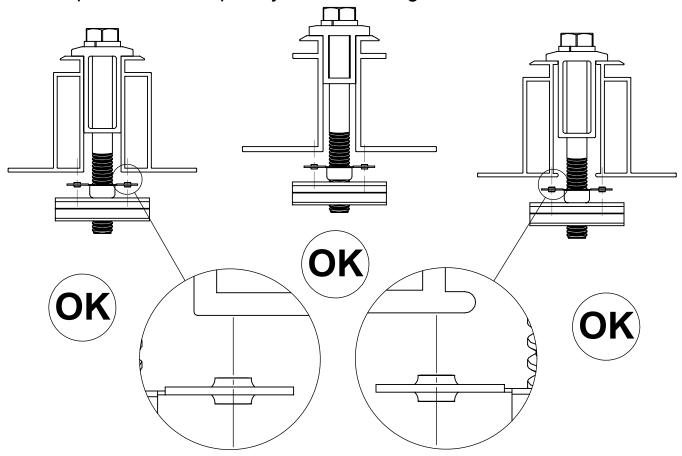


WEEB COMPATIBILITY

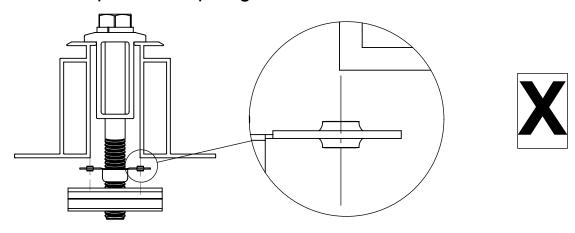
The WEEB family of products can be used to bond anodized aluminum, galvanized steel, steel and other electrically conductive metal structures.

Standard Top Down Clamps

The WEEBs used for bonding the PV modules to the mounting rails are compatible with various cross-sections of module frames. The following are examples of module frames that are compatible. Notice that the WEEB teeth are positioned completely under the edge of the module frame.



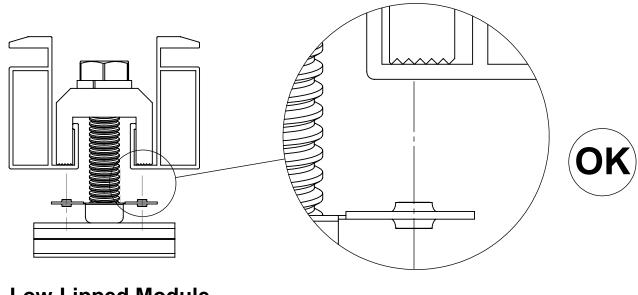
The following is an example of a module frame that is incompatible with the WEEB. The WEEB teeth are positioned only partially under the edge of the module due to the lip on the top edge of the module.



Wiley Electronics LLC. 2006-2010@ - All Rights Reserved

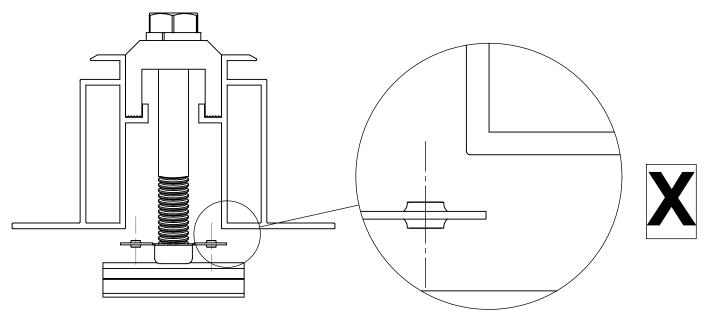
Top Down Clamps for Lipped Modules

The following are a few variations of lipped solar modules mounted with inverted U-shaped clamps. Notice that the force which the inverted U-shaped clamp exerts is in line with the WEEB teeth.



Low-Lipped Module

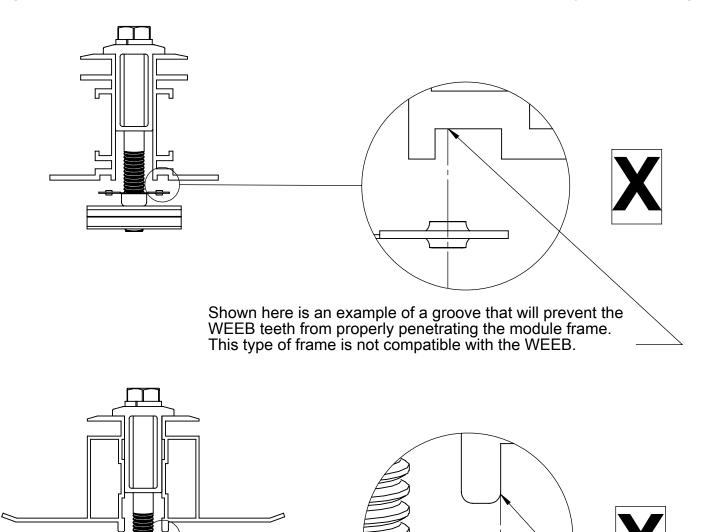
The WEEB-PMC is not compatible with high lipped modules. The WEEB teeth do not intersect with the solar module frame.



High-Lipped Module

WEEB COMPATIBILITY

Module frames like those shown here may have a ridge or lip on the bottom edge of the frame that would prevent the WEEB teeth from fully embedding.



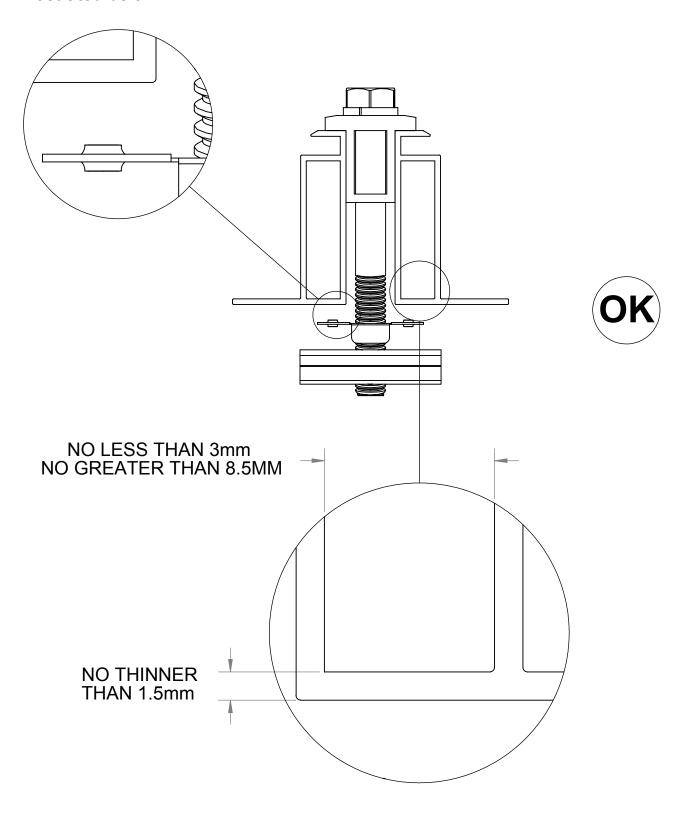
Shown here is an example of a lip that will prevent the WEEB teeth from properly penetrating the module frame. This type of frame is not compatible with the WEEB.

Important Note:

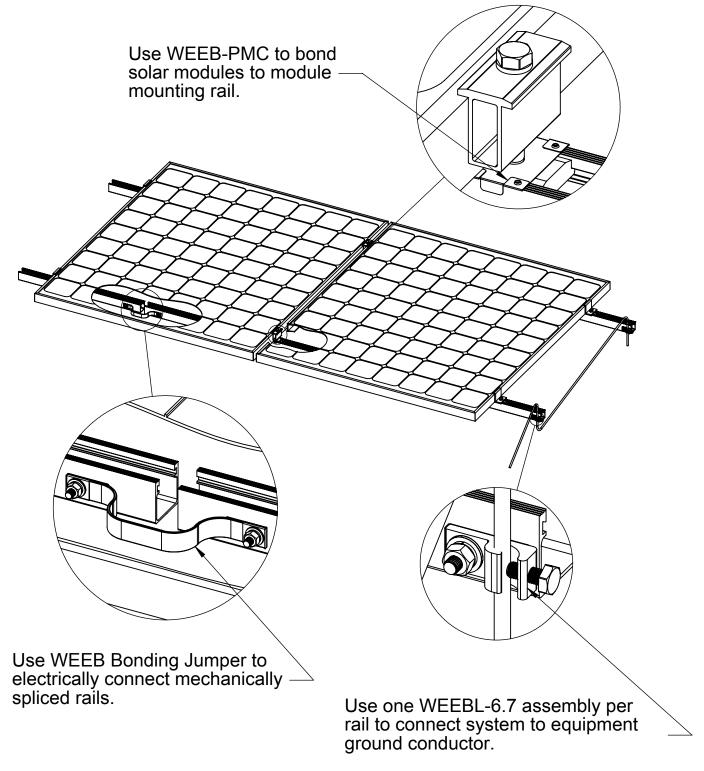
Inspect each module frame used with a WEEB to ensure that the bottom mounting face of the frame is flat, and that there are no hinderances to embedding WEEB teeth. Do not use a module with a frame that prevents the WEEB teeth from embedding fully.

WEEB-PMC on Boxed Module Frames

Certain module frames do not have enough structural strength to withstand the force required to embed a WEEB. These frames will deform and therefore not allow sufficient penetration of the WEEB teeth. The general requirements for minimum module frame thickness of "boxed" type module frames are illustrated below.



SYSTEM OVERVIEW

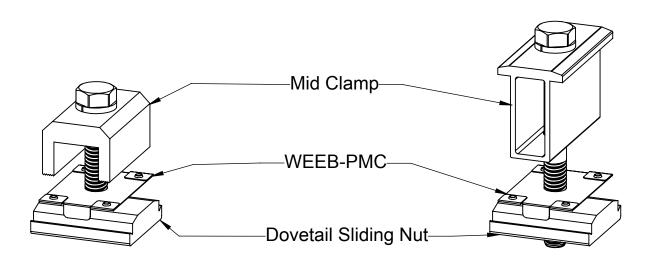


Important notes

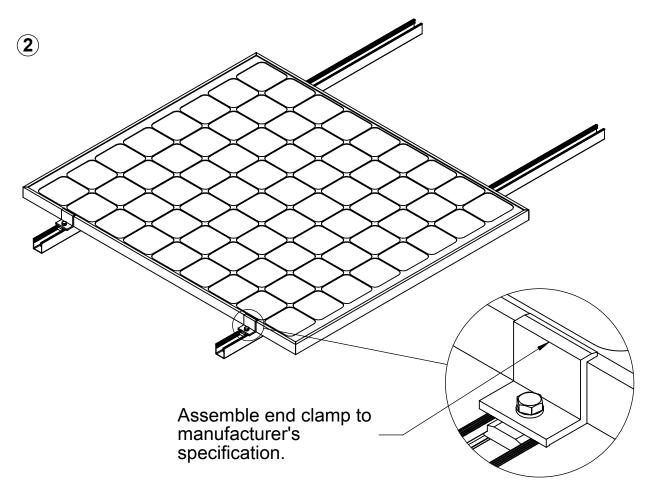
- 1. Use general purpose anti-seize compound on fastener threads when installing WEEBs.
- 2. WEEBs are intended for SINGLE USE ONLY. Functionality will not be guaranteed if reused.

WEEB-PMC ASSEMBLY

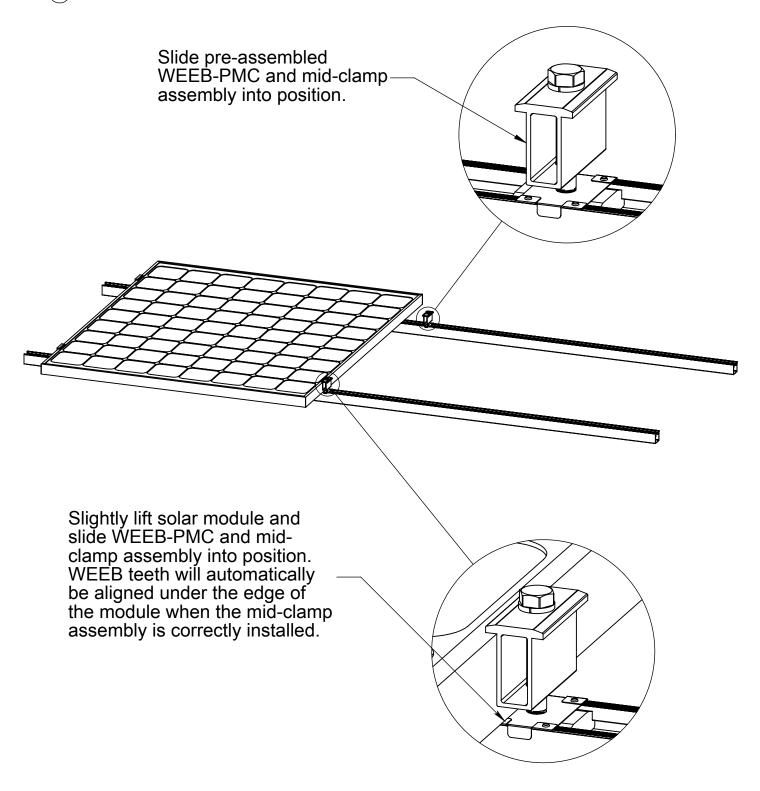




Pre-assemble WEEB-PMC to mid-clamp assembly as shown. Pre-assembling WEEB-PMC to mid-clamp assembly will contain the small individual parts, reducing the possibility of losing parts during installation.





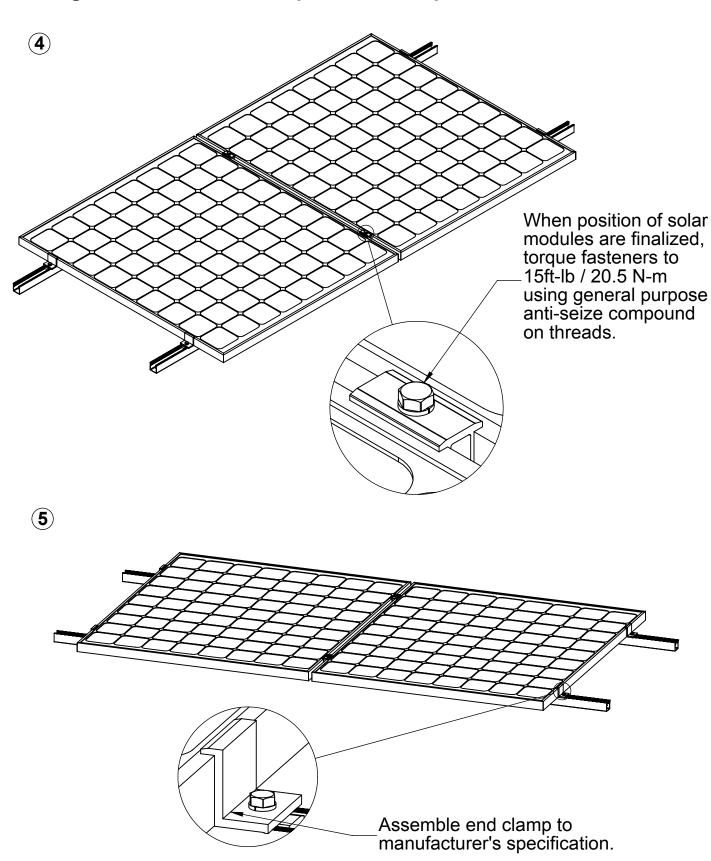


Important note:

To correctly install WEEB-PMC, ensure that both sides of the solar modules are completely positioned against the mid-clamp. Refer to WEEB compatibility page for illustrations.

Important note:

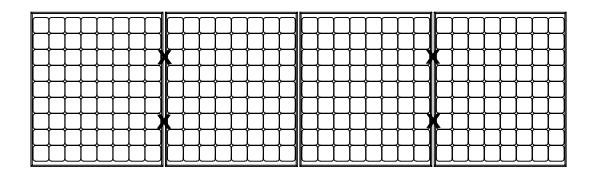
WEEBs are for SINGLE USE ONLY! Do not torque fasteners down if position of solar modules is not finalized. Only slightly tighten fasteners to keep modules in place.



(6)

WEEB-PMC LAYOUT

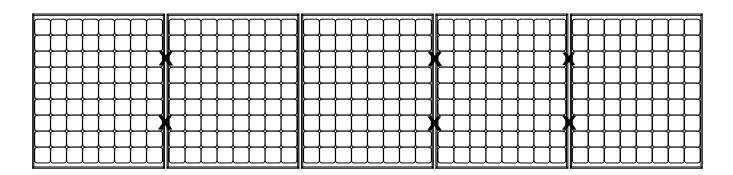
EVEN NUMBER OF MODULES IN ROW



X DENOTES PLACES TO INSTALL WEEB-PMC

C X R = 4 X 1 WEEB-PMC NEEDED = C X R = 4 X 1 = 4

ODD NUMBER OF MODULES IN ROW



X DENOTES PLACES TO INSTALL WEEB-PMC

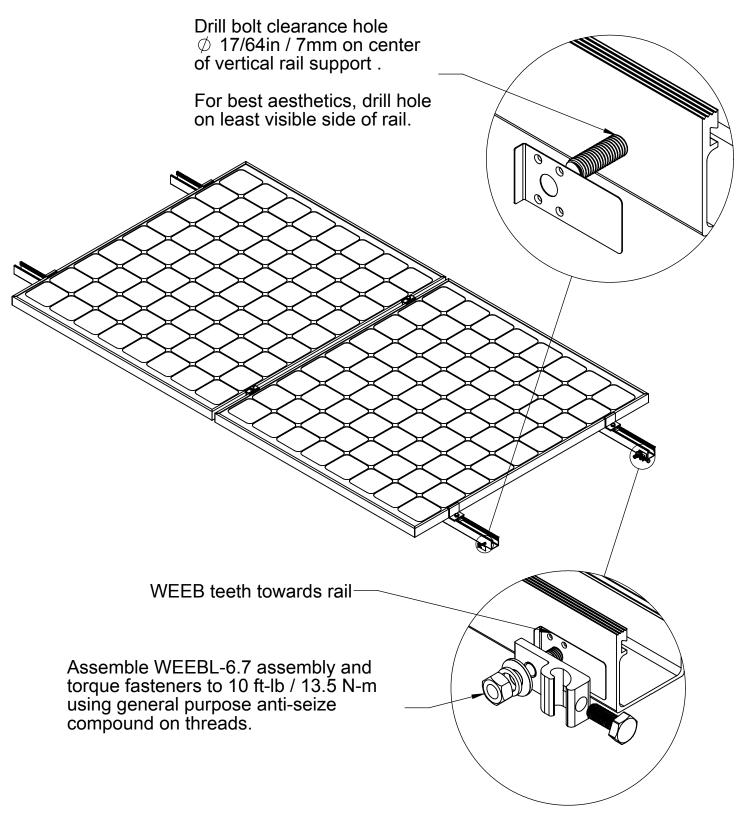
C X R = 5 X 1 WEEB-PMC NEEDED = [C+1] X R = [5+1] X 1 = 6

Note:

When replacing a single faulty module, also remove the adjacent module which contacts the same WEEBs as the faulty module. This will ensure that there are never ungrounded modules in the array.

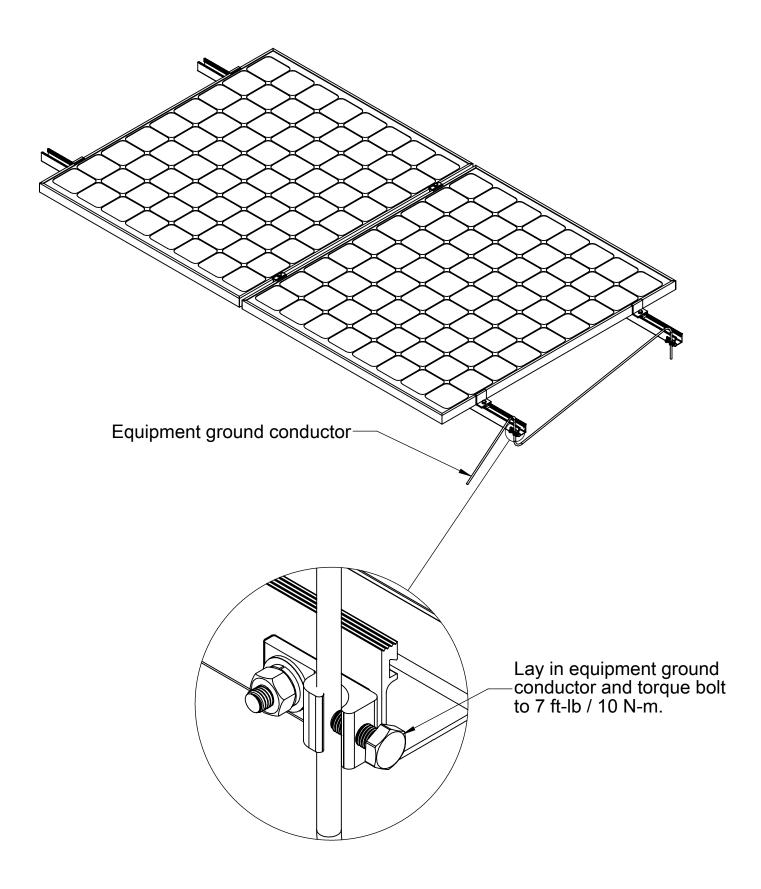
WEEBLUG ASSEMBLY





Important note:

WEEB-6.7 that sits under the WEEBLug is for SINGLE USE ONLY! Ensure position is correct before tightening.



PMC SPLICE KIT ASSEMBLY



WEEB Bonding Jumper can be used for all rail splices including expansion joints.

