

# Security Hardware

## Installation Sheet 909

Thank you for purchasing UniRac products. Please review these instructions completely before proceeding.

Security hardware dramatically increases the difficulty and time required for a thief to dismantle a PV array and steal its components.

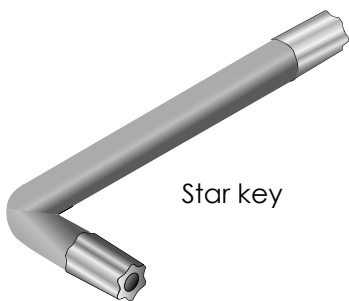
Consider the example of a PV PoleTop™ array on which modules are secured with starhead module bolts and breakaway nuts. A thief who hopes to remove individual PV modules faces

these impediments: The bolt head cannot be engaged with standard tools. The portion of the nut remaining after installation cannot be engaged by any tool.

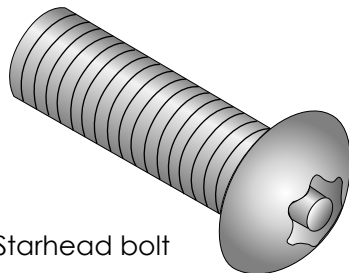
**Caution:** *When installing breakaway nuts, finger tighten initially, loosely assembling racks and attaching modules. Torque the nuts and break away their heads only as the final step.*

### Security Hardware

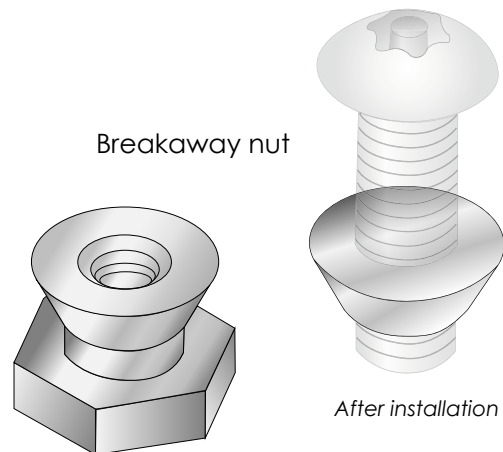
	Part number	Use
Starhead module bolt, stainless steel, 1/4"-20 x 3/4"	321205	Mount PV modules to SolarMount standard, SolarMount HD, and angle bracket rails. Nuts and bolts can be used with bottom mounting clips. Breakaway nuts can also be used with hexhead module mounting bolts and top mounting clamps.
Breakaway nuts, aluminum, 1/4"-20	321207	
Star key, 1/4"	321209	
Starhead footing bolt, stainless steel, 3/8"-16 x 1 1/4"	321206	Replace 3/8" bolt and flange nut combination—for example, in U-LA large array and PV PoleMount applications. Breakaway nuts may be used with SolarMount footing slot bolts.
Breakaway nuts, aluminum, 3/8"-16	321208	
Star key, 3/8"	321210	



Star key



Starhead bolt



Breakaway nut

Before installation

After installation

### Caution

Stainless steel hardware can seize up, a process called galling. To significantly reduce the likelihood of galling, apply a small drop of anti-seize lubricant to the threads of all bolts before installation. Anti-seize lubricants are readily available in any auto parts and some hardware stores. In their absence, any lubricant will reduce chances of galling.

## 10 year limited Product Warranty

UniRac, Inc., warrants to the original purchaser ("Purchaser") of product(s) that it manufactures ("Product") at the original installation site that the Product shall be free from defects in material and workmanship for a period of ten (10) years, from the earlier of 1) the date the installation of the Product is completed, or 2) 30 days after the purchase of the Product by the original Purchaser. This Warranty does not cover damage to the Product that occurs during its shipment, storage, or installation.

This Warranty shall be VOID if installation of the Product is not performed in accordance

with UniRac's written installation instructions, or if the Product has been modified, repaired, or reworked in a manner not previously authorized by UniRac IN WRITING, or if the Product is installed in an environment for which it was not designed. UniRac shall not be liable for consequential, contingent or incidental damages arising out of the use of the Product by the Purchaser under any circumstances.

If within the specified Warranty period the Product shall be reasonably proven to be defective, then UniRac shall repair or replace the defective Product, or any part thereof,

in UniRac's sole discretion. Such repair or replacement shall completely satisfy and discharge all of UniRac's liability with respect to this limited Warranty. Under no circumstances shall UniRac be liable for special, indirect or consequential damages arising out of or related to use by Purchaser of the Product.

Manufacturers of related items, such as PV modules and flashings, may provide written warranties of their own. UniRac's limited Warranty covers only its Product, and not any related items.

