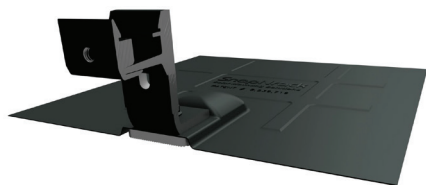


Comp Kit Training Guide

Overview

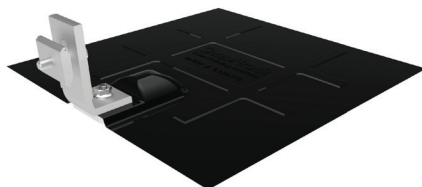
- This training guide is intended to provide installers new to the SnapNrack rail racking systems with a detailed step-by-step installation process for composition shingle roof attachments.

Component Details



Ultra Rail Comp Kit

Flashed composition shingle roof attachment using Ultra Rail



S100 Comp Kit

Flashed composition shingle roof attachment using Standard Rail

Pre-Installation

- For all rail installations, see *Pre-Installation for Rail Training Guide*

Comp Kit Installation

- 1 Identify on which shingle course the supports will be located.

If shingle courses are not straight, it may be necessary to shift up or down one course. Shingles may also be notched to accommodate flashing on uneven shingle courses.



- 2 Confirm rafter location at each attachment location with hammer/mallet.



- 3 Locate base on designated shingle course
Base should sit at least 1/2" below course of shingle for proper flashing installation.



- 4 Drill 3/16" pilot hole.
Use bent copper wire/metal coat hanger at angle in hole to locate rafter if there is a miss with pilot first hole.

- 5 Apply roofing sealant in pilot hole and on bottom of base.

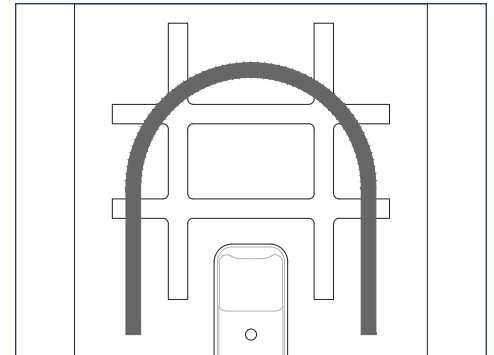


Comp Kit Installation

- 6** Drive 5/16" lag to a minimum 2.5" embedment.
To prevent rotation of base, finish tightening by hand.
-

- Use pry bar to lift up shingles above the base in order to install flashing.
- 7** *In some cases, nails will need to be carefully removed. Flashings should never be trimmed unless absolutely necessary.*
-

- 8** **OPTIONAL** - Apply a horseshoe shape of sealant under flashing prior to installation.



- 9** Install flashing so that it extends at least two courses above the base.
There should be no overhang below shingle. If necessary, shingle may be notched to accommodate profile of flashing.
-

- 10** Attach L foot with provided flange nut to roof base (in any direction).
Don't fully tighten the base until rail is installed. The final torque value should be 10-16 ft-lbs. L feet can be positioned facing up, down, left or right depending on rail positioning needed.



Comp Kit Installation

Wire Management

- For all rail installations, see *Wire Management for Rail Training Guide*
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Rail & Splice Installation

- For Ultra Rail installations, see *Ultra Rail and Splice Installation Training Guide*
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Module Installation

- For all rail installations, see *Module Installation for Rail Training Guide*
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Notes
