Gutter Guard Installation Procedure

Good job in buying the "Raised Pattern Screen Gutter Guard" which is the best performing gutter guards on the market today! Correct installation is very important to make the gutter guard work correctly (this is true for all types of products too!). This product is intended to be installed by the DIY person (Do-It-Yourself), so careful attention to the install instructions is highly recommend. **Pro-Tip:** Visit our website for more details and tips www.gutterguardinstructions.com **Safety (be safe at all times, be careful on ladders!)** When installing Gutter Guards, always make Safety your top priority, use your ladder, tools and equipment correctly.

Tools needed:

- Rechargeable Drill & 1/2' Self Tapping Hex Screws and Magnetic Nut Setter.

- Metal cutting snips Aviation type recommended

- Silicone Caulking, Clear, 100% (GE brand, 4 oz tube works best)

- The correct Ladder and safety equipment

- Gutter scoop & gloves (to clean the gutters with).

Check Our Website For Installation Videos
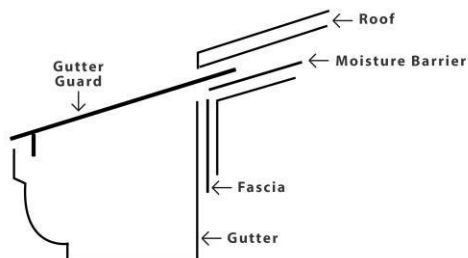
Basic Installation Guidelines

- Clean Gutters before installation (use clean as you go method)
- Best to have the gutter guard at an angle (so the wind can blow off debris & leaves).
- Do not install with the gutter guard flat (no slope) because the debris & leaves will not blow off by the wind.
- Recommended to install the inside and outside corners first, then filling in the straight sections in between.

Clean Gutters and downspouts before installation

Clean out the gutters using a plastic gutter scoop, bucket and use gloves. **Pro-Tip:** Recommended to clean out the gutters as you install the gutter guard, just clean out a section of gutter putting the debris in the bucket, then install the gutter guard, then move the ladder and repeat.

There are TWO (2) Methods to Installation the gutter guard: #1 Under the Shingle or #2 Fascia Mount, choose the method that works for your home

#1 Under the Shingle Method is where the rear Rail of the gutter guard slides under the roof shingle and on top of the moisture barrier (or tar paper). The rear rail guard is supported by the roof deck, the front rail guard is attached to the front lip of the gutter, use the Magnetic Nut Setter to fasten the Self-tapping Hex screw to fasten the guard. Typically, the angle of the guard is enough to allow debris to "naturally self-clean" when using this method. For more details, visit www.gutterguardinstructions.com for pictures and more details.

#2 Fascia Install Method is where the installer bends the rear rail either upward or downward 90 degrees in order to mount the rear rail to the fascia board or rafter board with a screw. The gutter guard is then "fitted" within the gutter open area, just under the roof shingle by installing the screw in the front rail to the gutter lip, then installing a screw in the back rail and into the fascia board. The fascia method requires bending the Gutter Guard rear rail (Up or Down) along the entire length of the gutter guard, and attaching the raised back rail of the gutter guard to the fascia (not under the roof shingles). The bend should be up if the rain gutter is more than an inch below the roof, or it can be bent down if the rain gutter is installed less than an inch below the roof.

Bending the rear (back) rail for fascia mounting

1. Measure the rain gutter opening from the fascia to the inside edge of the rain gutter's front inside lip.

2. Make the measurement 1/8 less than the actual length measured (measure on the gutter guard from the "front rail stop" towards the back rail) Example: If your measurement comes to 4" you would mark it at 3 7/8" giving you a 1/8" bend.

3. Mark the Gutter Guards at both ends with a marker (use a Sharpie pen), draw a line on the underside of the gutter guard. **4.** Bending the back rail/mesh area to a 90 degree angle. Several ways to do this bending, either use a hand "clamp" or hand "plyers" to bend, or use two 1" x 2" boards 5ft. long and some clamps to pinch the rear rail/mesh and bend (see website www.gutterguardinstructions.com for more details) .
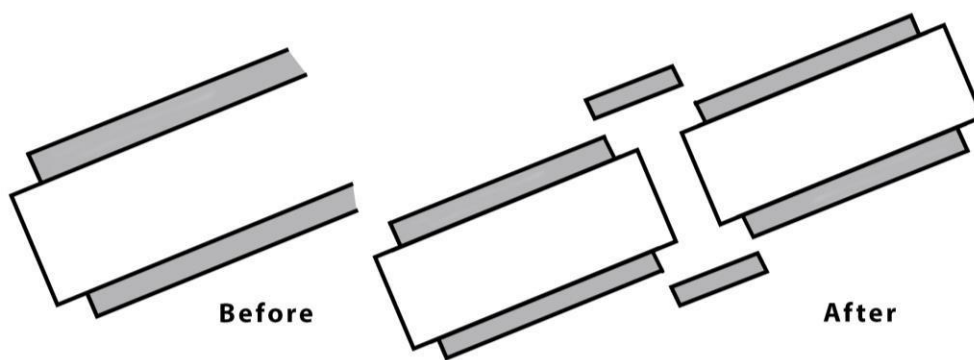

Pro-Tip: Sheet Metal Sealer Plyer (available at Harbor Freight Tools $16)

How to CUT the gutter guard   Pro-Tip:

Straight cut or Outside cut: Using metal cutting snips:

1. Draw a Straight line across the entire Gutter Guard width where you want to cut (use a Sharpie marker is best).
2. Cut front Rail first, then Cut back Rail second, then Cut the mesh screen to finish.

Pro-Tip: when cutting the screen, leave it ½" longer than the frame (to fold down and make an end-seam)

Before   After

Pro-Tip: Inside corner cut: Note: that when flat, a 45 degree is used, but as the slope increases, the cut angle on the gutter guard **DECREASES**. Example: on a 4/12 pitch roof, cut at a 43-degree angle. This allows the gutter guard rail to move closer together keeping a good seal while the roof angle decreases.

Pro-Tip: Outside corner cut Note: that when flat, a 45 degree is used, but as the slope increases, the cut angle on the gutter guard **INCREASES** as well. Example: on a 4/12 pitch roof, cut it at a 48-degree angle. This allows the gutter guard rail to move farther apart keeping a good seal while the roof angle increases.

Straight run installs under the shingle method:

1. Using the 2" putty knife, or your hands (with gloves on!) lift the roof shingle up 1" (not the Moisture Barrier). Take care not to Damage or Cut the moisture barrier.
2. Install the rear rail under the shingle and on top of the moisture barrier.
3. Pull the product forward allowing the front lip of the guard to meet up with the front lip of the gutter.
4. Fasten, using both a Magnetic Hex Driver and self-tapping hex ½' screws.
5. Optional: Install a small silicone bead to seal the end mesh or any small gaps. (Details www.gutterguardinstructions.com) **End cap installation** There are several ways to make "end-caps" or cap the ends.

1.   Cut 2 inches off both the front and back Rails only, leaving the screen of extra 2 inches, then fold the mesh downward at 90 degrees then install the gutter guard with the screen trimmed to fit as the end cap.
2.   **Pro-Tip:** bend up the endcaps top ridge of the gutter, fold the mesh downward so it sets flush on the endcap, then seal

the gap with silicone. (Details www.gutterguardinstructions.com)

Note: The best results for endcap installs is to not have a gap at all, seal up all gaps with silicone. This will stop bees, wasps and other insects from nesting in your gutters.

If you need further assistance, Visit our website at www.gutterguardinstructions.com for more pictures, tips and frequently asked questions.