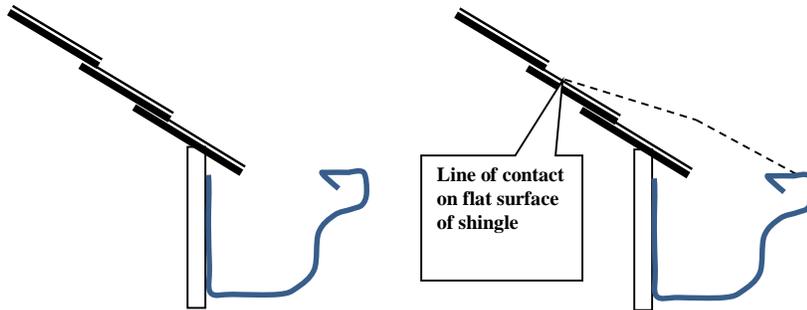


## GutterShed™ Standard Covers for Under-the-Eave Gutters, Installation with GutterHooks

Ashland Farms, Inc., 2016

### Definition of Under-the-Eave Gutters

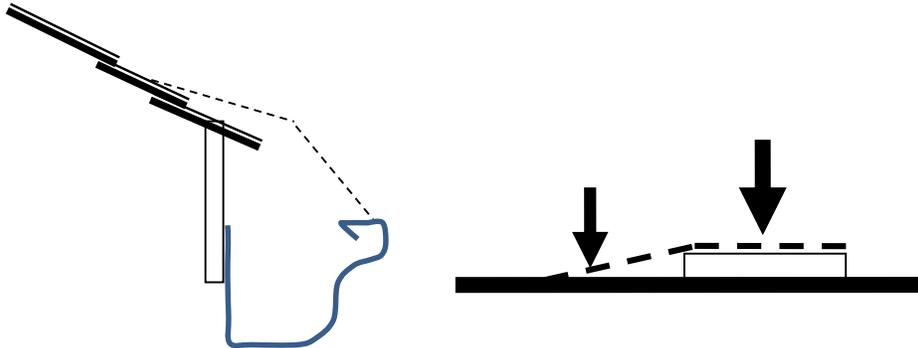
The standard household gutter in the U.S. is an “under-the-eave” gutter which is nailed or screwed onto the faceboard just underneath the outer edge of the shingles:



### GutterShed Proper Position on the Gutter and Shingles

The GutterShed is a perforated metal plate, 8” wide and 48” long, powder-coated with black plastic. There is a slight bend or crease along the middle of the plate. When the upper edge of the GutterShed lies on a flat shingle surface water will flow under the edge of the GutterShed and leaves and debris will pass on the top of the GutterShed. With the lower edge of the GutterShed on the outer lip of the gutter, leaves and debris pass over this lip.

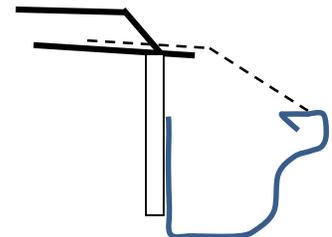
The upper edge of the GutterShed should lie on top of a flat portion of the shingle layers, at least ¼” below the edge of the next higher layer of shingles. Putting the GutterShed against or under the lower edge of a layer of shingles will cause water to flow over the GutterShed, rather than to stay on the shingle surface. Note that there are some roofs in which the gutter is placed in lower than usual position, and a straight line along the roof will not meet the gutter lip. In this case it is necessary to bend the GutterShed piece some more so that it can create a line of contact with the roof shingles and attach to the outer lip of the gutter:



The aluminum GutterShed plates can be easily bent further along their crease by merely holding one side against a flat surface (such as the top step of a ladder) and pushing down on the free side. If less angle of the crease is desired, merely place the plate on a flat surface and press on the crease. For best appearance, make all bends the same angle on the same side of the house. It is important to assure that the upper portion of the plate has a downward slope, even if the slope is only slightly downward.

GutterShed plates can also be applied to roofs which are nearly flat, such as copper roofs on porches or gazebos. In that case it is best to bend the GutterShed so that the upper part lies flat on the surface of the roof. Water will still pass easily under and through the GutterShed in the area of contact with the roof. If there are upright seams in the roof, slots can be cut in the GutterShed with tin snips to allow the GutterShed to lie flat on the roof.

The following instructions describe installation of GutterShed plates on under-the-eave gutters of shingled roofs, using GutterHook clips for attachment to the gutter lip.

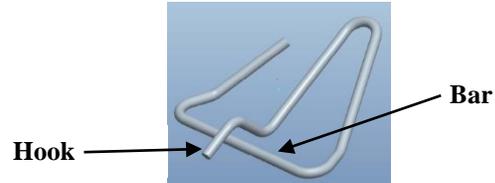


### GutterShed Components as Supplied

GutterShed Standard Plates 8" x 48" (4 foot), aluminum 0.032" thickness with 3/32" holes, bent 30 degrees along the center line, powder-coated in black plastic. Plates are packaged in corrugated cardboard with up to 25 pieces per package.

GutterHooks are used to attach each GutterShed plate to the lip of the gutter, two for each 48" long plate. GutterHooks are sold in bags of 25 pieces, with an attached piece of plastic tubing (described below, step 6).

GutterHook



### Tools Needed for Standard Installation

Tin Snips for cutting the GutterShed plates to length (where needed) and to fit angles and corners of gutters.

Right angle square, 8" length

Masking tape or painting tape for marking lines on shingle corners and GutterShed plates before cutting

Lightweight gloves

Eye protection goggles or glasses

### Caution

These instructions relate to installation of GutterShed plates on under-the-eave gutters attached to shingle roofs which have a relatively flat surface (up to 3/16" variation in height between adjacent shingle layers). The upper edge of the GutterShed plate should rest ON TOP of the shingles and should NOT be placed underneath shingles or directly touching the lower edges of shingles.

For roofs covered with wooden or tile shingles GutterShed plates will only work if the surface of the shingles is relatively flat where the GutterShed plate will rest on the roof, a distance of about 8" from the lip of the gutter.

For installation of GutterShed plates in older types of gutters such as copper Swale gutters built into ceiling joists, see Instructions for GutterShed Swale Gutter Covers and contact the company to purchase a much larger GutterShed plate suited for this type of gutter.

These instructions assume installation is for gutters on the first-story level of houses, with the installer standing on a step ladder.

NOTE: Assure firm footing for all ladders used during installation.

Wear gloves to protect hands from sharp points and wires.

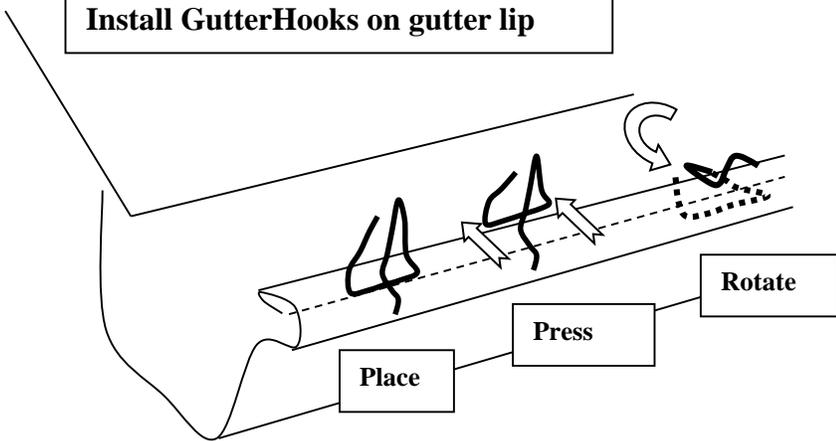
Wear eye protective goggles or glasses whenever placing the GutterShed plates.

Installation of GutterShed plates on second-story gutters requires extra skill and precaution, and should be done by skilled professionals.

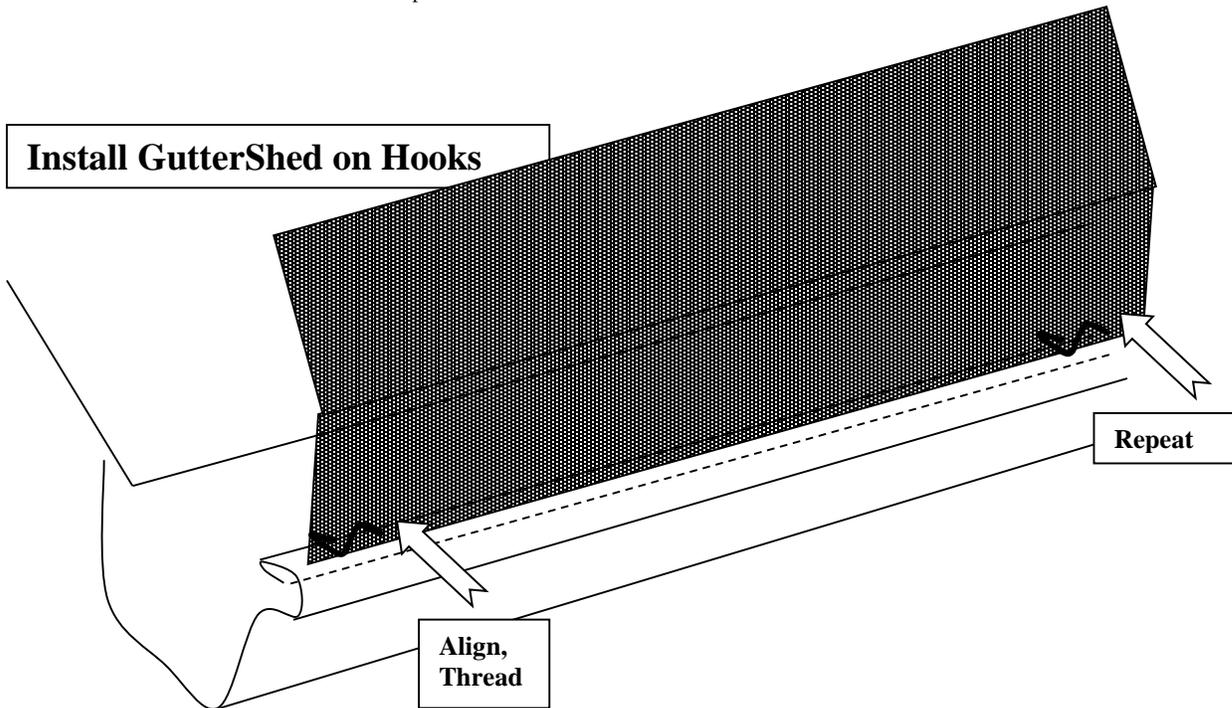
### Steps of Installation

1. Install GutterHooks on gutter lip.
  - a. Lay GutterShed plate on top of the gutter.
  - b. Locate positions on the gutter lip about 6" from each end of the plate.
  - c. Place a GutterHook at desired location on lip with the Hook against the front of the lip.
  - d. Press both sides of the Bar with your thumbs until it rests on the back of the lip of the gutter.
  - e. Rotate the GutterHook so the bar moves under the lip of the gutter and clicks in place under the lip.
  - f. The Hook is now facing towards you. Move it slightly to assure its fixed position.
  - g. Repeat for the GutterHook at the other position on the lip of the gutter.

Install GutterHooks on gutter lip

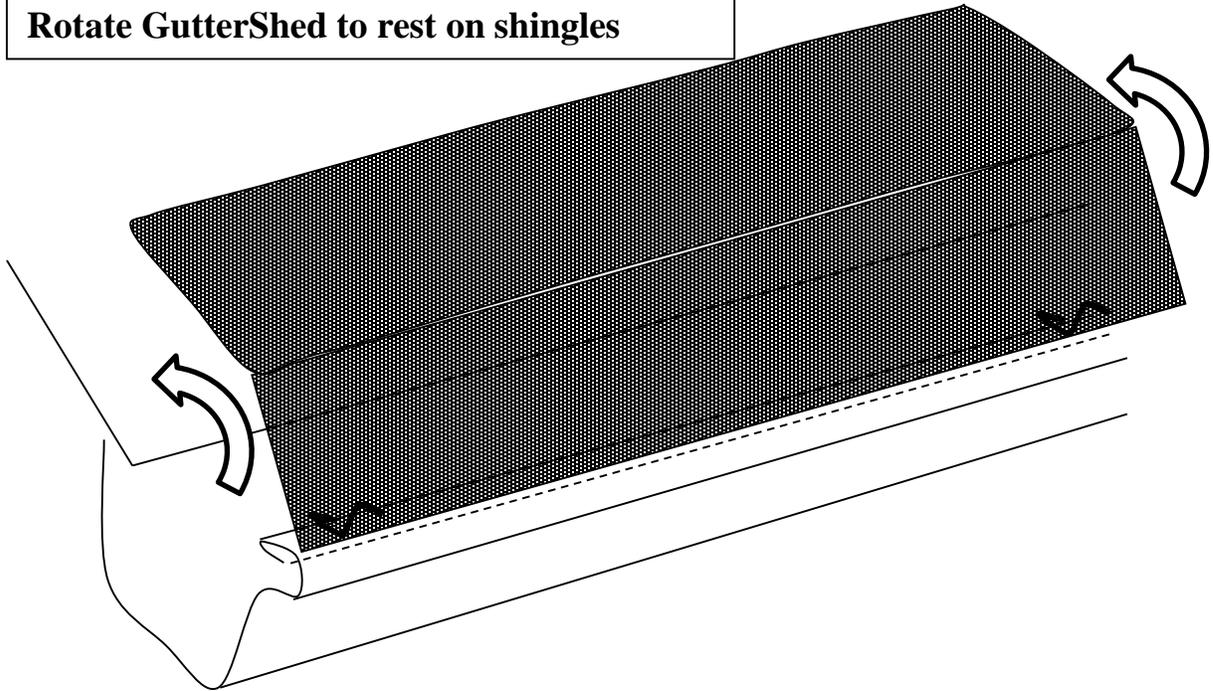


2. Install GutterShed plate on GutterHooks
  - a. Hold the GutterShed plate vertically in the location you have chosen for it.
  - b. Align the lower edge of the plate (right or left end) with the protruding Hook.
  - c. Thread a hole in the first or second row of holes, over the Hook.
  - d. Repeat the same steps for the Hook at the other end, moving the plate slightly to the right and left if necessary to align this Hook with a hole in the first or second row of holes on the plate.



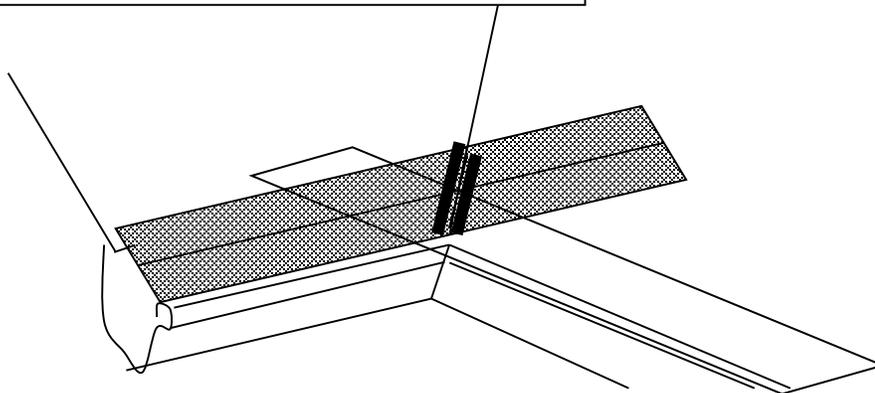
3. Close GutterShed
  - a. Lower the GutterShed plate and allow it to rest on top of the shingles.
  - b. Raise to near vertical position to assure that GutterHooks are still positioned properly.
  - c. Release the plate, and it should fall to contact the roof surface automatically.
  - d. There should be a straight line of contact of the plate with the shingle roof. If some portion of the plate does not contact the shingles in a straight line, bend the plate upward or downward to make sure that it lies flat on the roof surface.

## Rotate GutterShed to rest on shingles



4. Position next GutterShed
  - a. Move ladder to the planned position of the next GutterShed plate.
  - b. Leave 1/8" between edges of the GutterShed plates, to avoid interference as each is opened.
  - c. Attach as instructed above.
5. Cut GutterShed plates to length and to fit corners
  - a. To cover the gutter length exactly, some pieces of GutterShed will need to be cut at right angles to fit the gutter length. Place the GutterShed plate on the gutter and apply a small piece of tape at the proper length of cutting. Using the right angle square place another piece of tape to mark the line for cutting, then cut with tin snips.
  - b. If the GutterShed plate is shortened, such as to length of 1-3 feet, then two GutterHooks should still be used to secure it to the gutter lip.
  - c. At inner and outer corners of the gutters, the ends of GutterShed plates should be cut at angles which meet each other with about 1/8" gap.
  - d. Lay the GutterShed plates in their chosen positions, crossing each other.
  - e. Place a piece of tape on each piece, with edges meeting over the junction of the shingles from each roof section.
  - f. Remove pieces and cut along edges of tape. Trim the pointed tips from the resulting GutterShed plates, about 1/2" back from the point, to avoid having very sharp tips.

## Cut Plates to Fit Gutter Shape



## 6. High Wind Protection for Outside Corner Plates

If you are in a very windy area or have storms with wind gusts over 50 miles per hour, then it is possible for GutterShed plates to open and sometimes to fall from the gutters. This happens rarely, and almost always with plates that are located on outside corners of a gutter. When a high wind approaches this corner directly it can lift the plate and separate it from the GutterHooks. To make GutterShed plates more secure on outside corners you can place a small piece of vinyl tubing over the points of the GutterHooks, to function as a retainer for the plate. Use the short piece of plastic tubing attached to the GutterHook bag and follow these simple instructions:

- a. After the plate is installed on the gutter, advance one end of the tubing over the point of one GutterHook as far as possible (about ¼”).
- b. Using scissors or a knife, cut off the tubing just past the point of the GutterHook, forming a cap to the hook.
- c. Repeat for the other GutterHook holding the plate in place.
- d. Open the GutterShed to assure that it closes automatically..

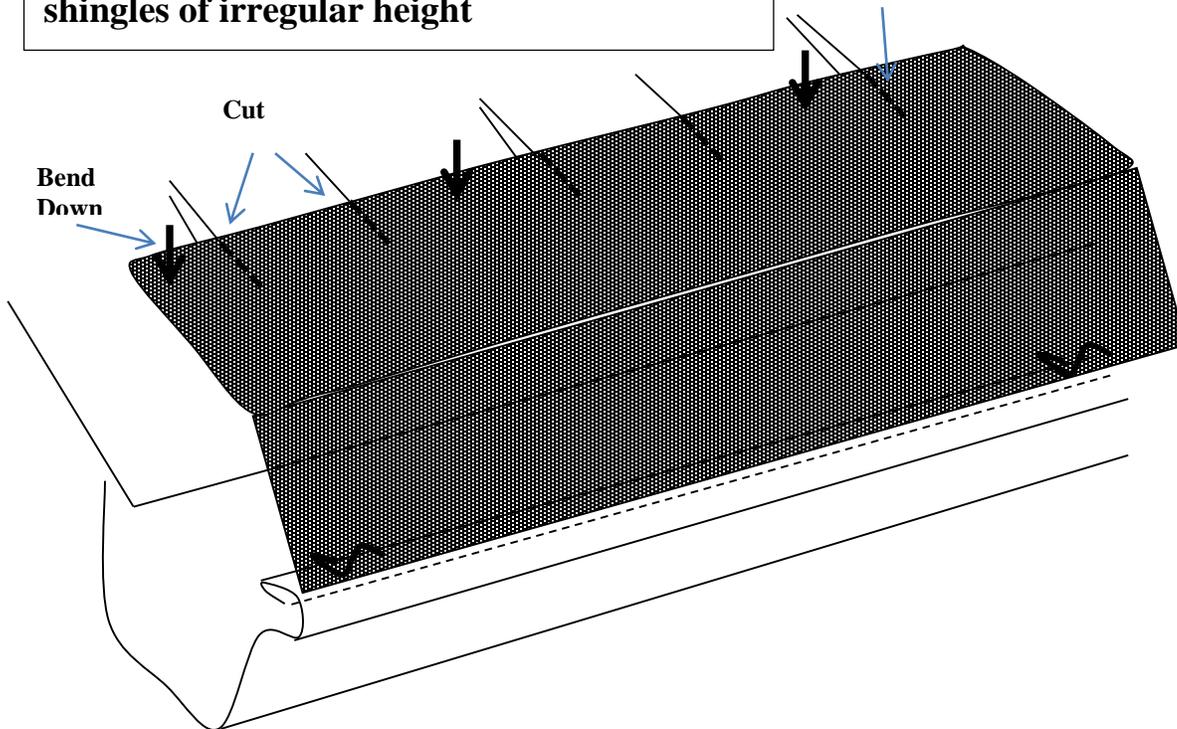
Again, adding these retainers is usually necessary only for the GutterShed plates that form an outside corner of a gutter. If desired, the plastic caps can be placed on the hooks of all installed GutterShed plates. The plastic piece supplied is long enough to cover all of 25 hooks in a bag.

## 7. Installing GutterShed on roofs with very thick staggered shingles or irregular thickness shingles (such as shake shingles).

As described above, the line of contact between the GutterShed plate and the shingle is the where water and debris are separated. For standard asphalt shingles, Therefore, it is important that the plate not be separated from contact with any shingle by more than 3/16”. Some long-life roofs have very thick and staggered shingles, and shake roofs have shingles that vary in thickness. If any portions of the plate are lifted by irregular shingle height, do the following:

- a. Using tin snips, cut upper edge of plate next to any shingle that is holding the plate off an adjacent shingle
- b. Extend cut for 1 ½ to 2 inches, perpendicular to the top edge of the plate
- c. Bend the plate edge downward between the elevating shingles, to contact the shingle surface of the lower shingle
- d. Assure that the bent-down portion of the plate has a downward slope, to prevent debris from collecting on its surface. If the slope is not downward, extend the cut further into the plate and adjust the bend to fit the roof surface.

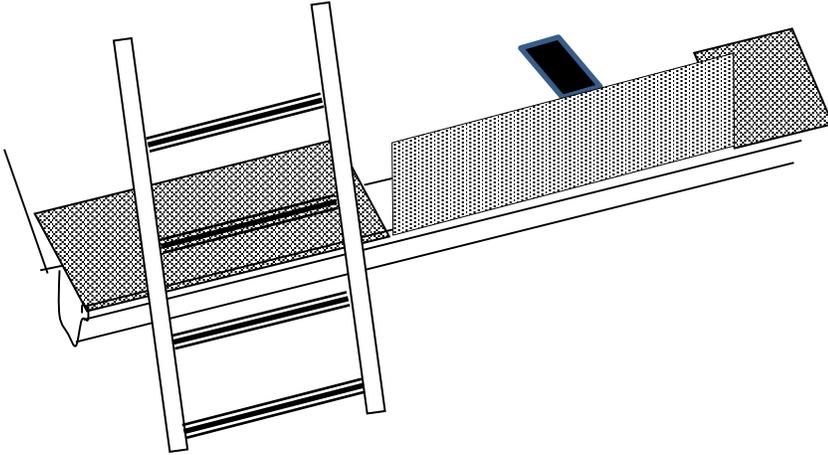
**Cut and bend upper edge of plate to fit shingles of irregular height**



### Opening GutterShed plates during ladder access to the roof

Only experienced professionals should walk on the roof of a house. When planning to walk on the roof, place the ladder adjacent to one of the four-foot GutterShed plates then do the following:

1. Open the GutterShed plate closest to the ladder and block it in open position with a piece of wood.
2. Step to the roof in the usual manner, to the side of the ladder.
3. After re-mounting the ladder, close the GutterShed plate adjacent to the ladder.



For any questions regarding installation please see our website [GutterShed.com](http://GutterShed.com) or email [info@GutterShed.com](mailto:info@GutterShed.com). GutterShed plates and accessories can also be ordered through the same website.

#### CAUTION!

Standing on ladders always involves risk of injury. Be sure your ladder is well seated on the ground.

If the ladder contacts a gutter assure that the gutter is well attached to the house and strong enough to support weight of the ladder.

Always wear eye and hand protection when installing a gutter protection product and when using tin snips.

Assure that the area under the gutter being fitted includes no persons, pets, or valuable possessions.

*Ashland Farms, Inc. assumes responsibility only for proper functionality of the GutterShed™ product as advertised and here described. The company has no liability for any injuries occurring during installation or afterwards that are not related to defects in the product. Purchase of the product implies agreement with this limited liability.*