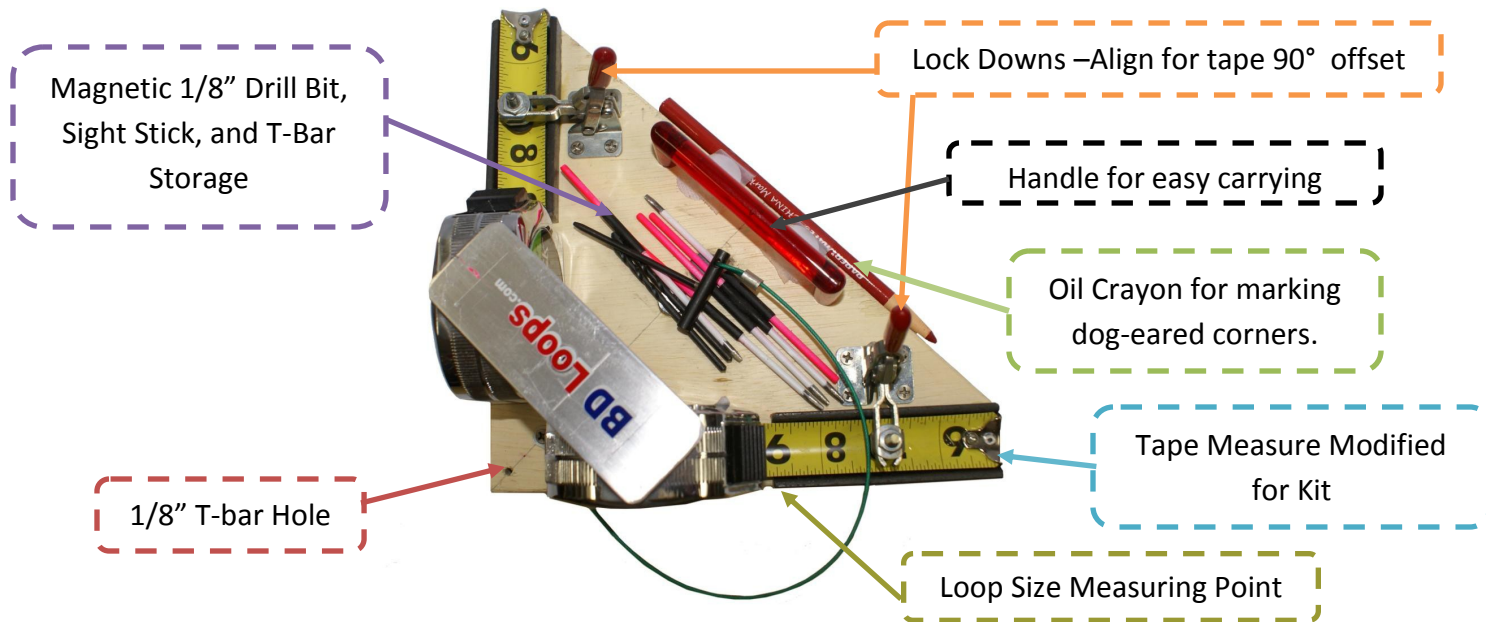
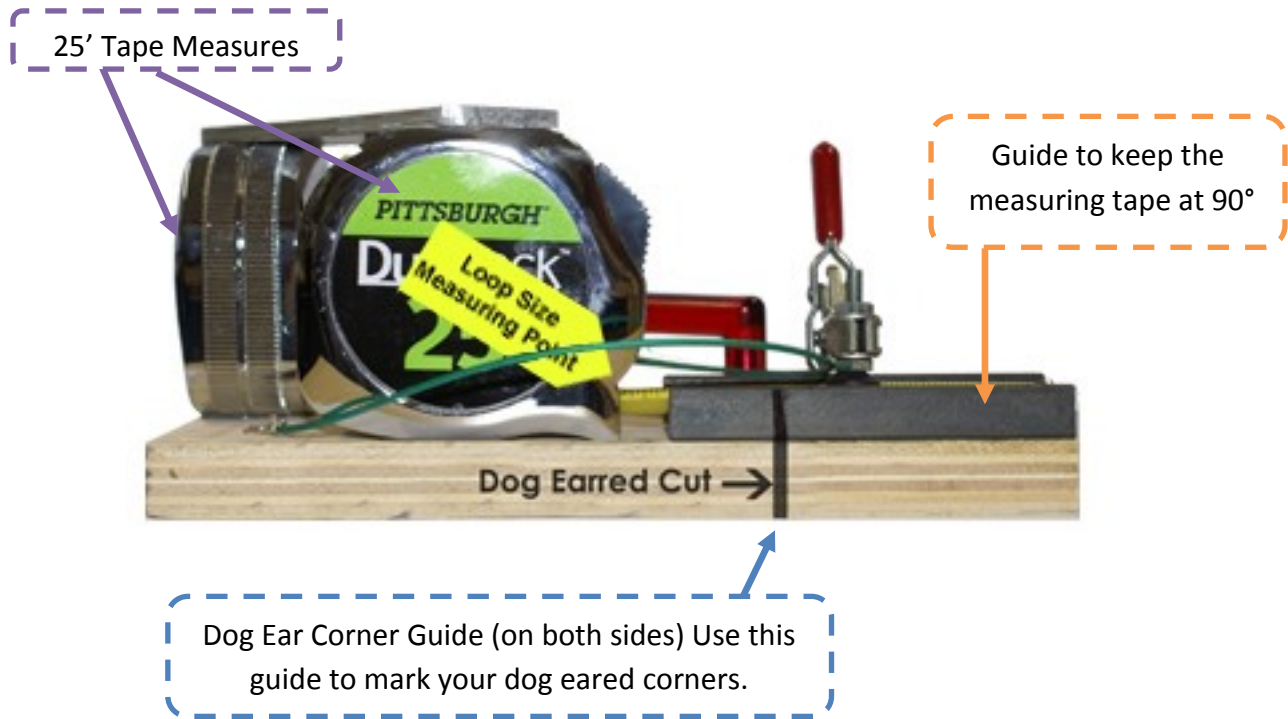


Saw-Cut Layout Kit





Thank you for test marketing our prototype kit, we are looking forward to your feedback.
If you have any questions about how the Layout Kit works please call: 714-890-1604

BD Loops | 5362 Bolsa Ave Ste. C | Huntington Beach, CA 92649
P: 714-890-1604 | F: 714-890-1603 | W: www.BDLoops.com

New Layout Kit Instructions

1.



Measure 2' from the curb and 4'-5' (depending on the loop size) from the gate. (Or whatever measurement you need to make to center the loop in the driveway.)

2.



Drill a hole into the corner of the block and place a t-pin into it.

3.



Rotate the block around, and pull out the long and short leg of the loop.

4.



Lock the tape measurer and use the lock downs to hold the tape measurer in place. Make sure that the tape is pressing up against the 90° guide.

5.



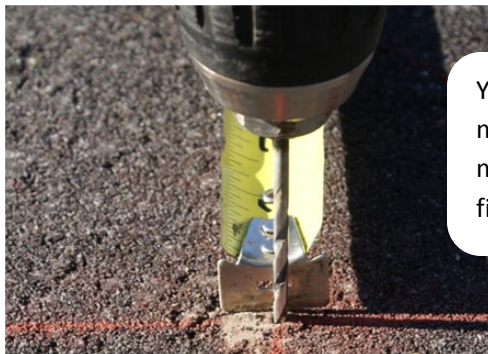
You can use a separate tape measurer to make sure that the kit is square (the same distance from the gate as the kit).

6.



Drill a hole at the end of each tape measure.

Tip:



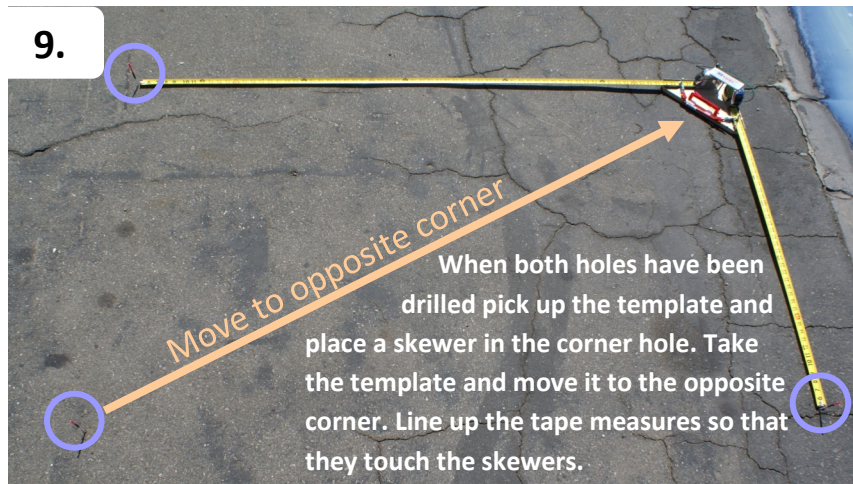
You can use the hole in the metal end of the tape measurer as a guide to help find the center of the tape.

8.



Insert a metal skewer into the holes.

9.

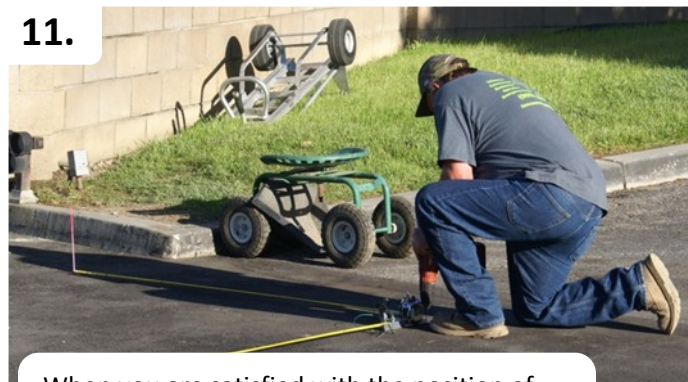


10.



Line up the kit by touching each tape measure to skewers.

11.



When you are satisfied with the position of the template drill through the corner hole.

12.



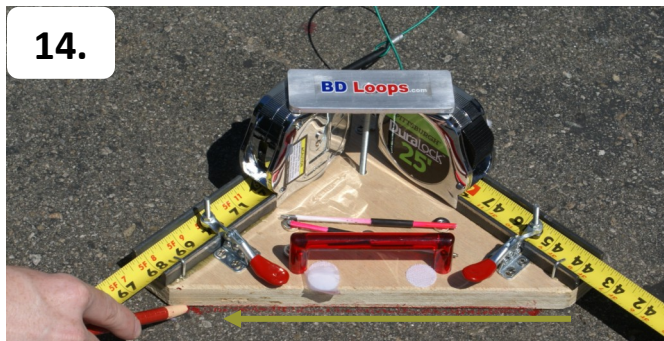
The template has a guide on the sides to make marking the dog eared corners easy.

13.



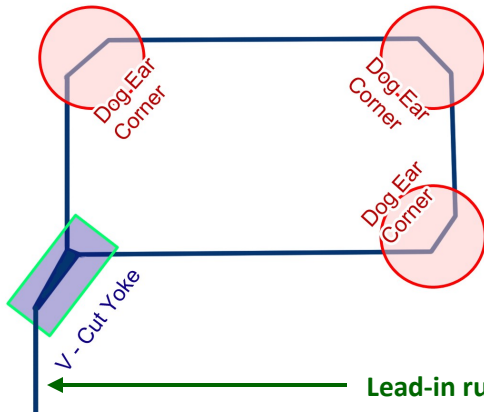
Make a small mark on the ground on each side of the template using the oil crayon.

14.



Then pick up the template and use it as a straight edge to draw a line between the 2 marks.

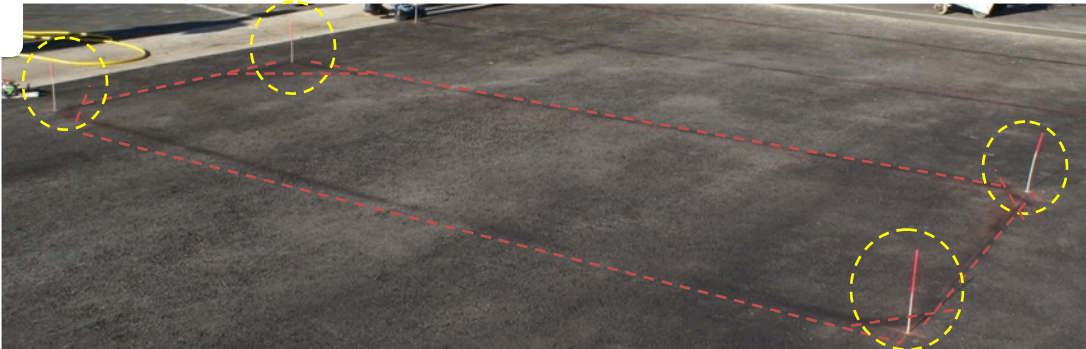
See the next page for an explanation of which corners need to be dog eared.



Note:

The dog eared corners need to be marked for the 3 corners opposite the yoke point (the area where the loop meets the lead-in). The "V" Cut Yoke is used for yoke point. (See page 9 for information on making a V-Cut Yoke.)

15.



You'll be left with 4 sight sticks which can be used to help line up the blade as you are cutting. If you are confident in your saw-cutting ability you don't need to chalk any lines, you can just use the sight stick method. (See page 12 for an explanation of cutting with sight sticks.)

If you prefer to chalk lines:

The installation kit comes with a one man chalk string. Simply place the chalk string



Protect the chalk lines made by coating them with clear acrylic spray. The kit comes with one can of inverted (can be used upside down) clear acrylic spray. The coating protect the pattern from water (often used with a saw-cut machines) and wind.

To complete the installation follow BD Loops Saw-Cut Loop installation instructions. Check www.BDLoops.com for the latest version of the instructions. **If you have any questions please don't hesitate to contact us: 714-890-1604.**

“V” Cut Yoke

BD Loops has a new improved recommendation for cutting the “yoke point” (The area where the loop meets the lead-in) The yoke point should be cut in a “V” Shape which can be easily accomplished by making 2 cuts in a “V” shape and popping out the asphalt or concrete using the clean-out hook.

The V cut will make it even easier to install BD Loops preformed Saw-Cut Loops. It accommodates taking up any excess loop into the lead-in and makes it easier to install cock-eyed loops. With a “V” cut, you do not have to perfectly center the loop yoke before pushing it into the groove.

The “V” Cut Yoke should be 8”-10” in length and 1.5” wide at its widest point.



Clean Out Hook

The Clean Out Hook is one of the new tools in development at BD Loops.

- This simple hook tool can help pull stubborn rocks and debris out of the saw-cut groove.
- It can also be used to pop the “V” cut yoke out. (See Reverse side for information on our recommended “V” Cut Yoke)



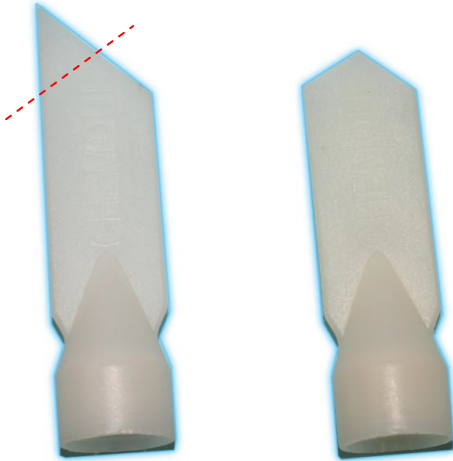
**Easily pop out the
V-Cut yoke**

**Remove debris
from the groove**



Sealant Tip Shape Suggestion

We were out on a job site with an installation company and they were having a hard time keeping the sealant from bubbling up over the groove.



We modified the sealant tip for them so that the sealant would flow easier.

With the modified tip it was easier for them to seal the groove. They were able to keep the sealant flowing more evenly and prevent the sealant from bubbling up and over the groove.

Saw-Cutting with Sight Sticks

A trick for experienced saw-cutters.

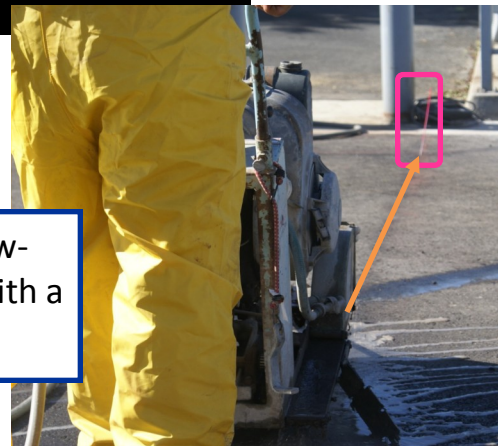
The use of Sight Sticks can replace chalking lines for saw-cut loops.

Installers who are confident saw-cutters can simply mark the 4 corners of the loop with “sight sticks” which they will use as a target to guide the saw-cutting machine.

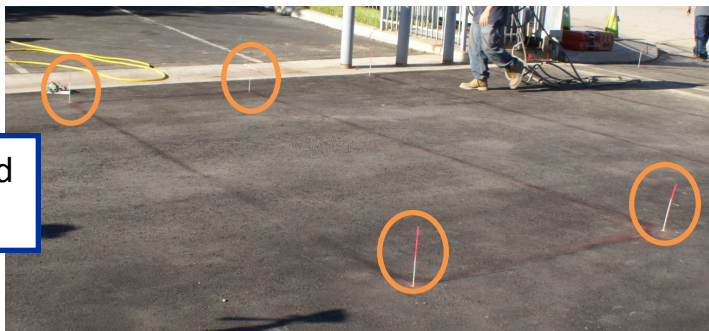
This simple trick saves time on the field, the installer can go straight from measuring out the loop to cutting.



Lining up the saw-cutting machine with a sight stick.



A loop pattern marked with Sight Sticks.



Saw-Cut Loop Shortcuts

These tips should benefit new and veteran installers alike giving them an edge over the competition. This article has a tip designed to save time at every step of the saw-cut installation process.



Figure 1 - Air Pockets in 1/8" Groove.

form within the saw-cut groove, a leading cause in loop failures. (See Figure 1)

Shortcut: Saw-Blade Size

To install a saw-cut loop, a groove must be cut. Choosing the correct size saw-blade is important to insure there is enough space for sealant to properly flow when applied. A 1/8" blade cuts a groove too narrow for thick sealant to properly flow and encapsulate the saw-cut wires. A 3/16" blade or larger has enough space for sealant to flow. BD Loops recommends the use of a 3/16" saw blade because 3/16" blades cost less, put less bog on your saw-cut machine, and require 25% less loop sealant to fill than a 1/4" groove. If the sealant doesn't flow properly air pockets will

Saw-Cut Loop Shortcuts: Groove Cleaning Airwand



Figure 3 - Groove Cleaning Air Wand.

There are a lot of methods used to clean and dry a saw-cut groove, some better than others. Cleaning and drying a groove of water and debris is very important if you want to install a loop properly according to industry standards. If a loop is installed in a groove that is wet and filled with debris the wire has a high chance of becoming nicked, and loop sealant will not harden properly or air bubbles may form. The use of a tool that centralizes air flow like the BD Loops groove cleaning air wand or similar tool is the best way to clean out and quickly dry a saw-cut groove (See Figure 3). Sucking up water and debris with a shop vacuum or using a leaf blower to dry the groove takes more time, but is more efficient than letting the sun air dry the groove.

Saw-Cut Loop Shortcuts: Sealant Tip



Once the loop is in place a loop sealant should be applied. The use of a DOT approved loop sealant like Chemque, Bondo, or Ruscoe brand loop sealant will save a lot of time in installation and prevent early replacement. These brands have a low viscosity, don't crack over time, and have tools designed for them to make the installation process much easier. Tools like sealant tips, if the proper tip is used the groove can be sealed from the bottom up allowing a seal with just one pass. Normal methods require multiple passes because time must be given for the thick sealant to flow around the wires. (See Figure 4) BD Loops found that 15-20 minutes per loop can be saved in the sealant application step with the use of a properly sized sealant tip.

Shortcuts: Rolling Work Seat

Use a Rolling Work Seat when sealing loops can save your back and neck a lot of strain.

The rolling work seat our test marketers use is from Harbor Freight, but they can also be found at stores such as Home Depot.

Rolling work seats are usually found in the gardening section.



Be careful not to roll over an area that has been sealed. Covering the sealant with sand will prevent the wheels from tracking sealant.

Figure 2 - Rolling Work Seat



Applying sealant using a rolling work seat.



Sand Trick

Many installers have had customers who installed an expensive decorative driveway and need loops for their gate system. The customer is understandably frustrated at the prospect of saw-cut tattoos in their stamped concrete, but there is really little choice when it comes to protecting the gate system. You can help alleviate a bit of their frustration, by using this sand trick to help camouflage the saw-cut tattoo.

This sand technique is ideal for situations where you are forced to cut into prettier surfaces such as stamped concrete, stamped asphalt, fresh concrete, pavers, or any application where the driveway appearance is important to the customer. Since loop sealant is not readily available in a wide assortment of colors you will never be able to easily match sealant to the surface of colored stamped concrete or other decorative surfaces.



The best part of the sand trick is not how simple it is, but that by doing it you'll be able to allow traffic to drive over the loops sooner, as the sand will create a barrier between the drying sealant and car tires.

You will need:

- Craft Sand(s) that match the color of your application (we recommend you keep regular white and black sand handy for mixing.)
- A paint roller that has been covered with artist tape (or any other type of tape)



Step 1:

Analyze the appearance of the driveway, in the paver application above we looked at the different bricks and identified that there were 3 different types of bricks: faded pink, faded purple, and faded dark blue. The color of the bricks are inconsistent, they contain light and dark patches and lots of light colored specks throughout. We decided to go with red and black craft sand mixed with white play sand (available at big box stores like Home Depot) to imitate the light pink bricks.

Step 2:

Mix the sand in the container, test your mixture by sprinkling a bit on the driveway to see how closely it matches. Make any changes needed to the mixture and then set aside. Be sure to let the play sand dry before mixing, play sand usually comes in a bag with some moisture that tends to make the sand look darker until it evaporates. The play sand will dry quicker if you are able to spread it out.



Step 3:

Seal the saw-cut groove(s). It is important to not overfill the saw-cut groove with sealant. You want there to be a small gap from the top of the sealant to the surface. If the groove is over filled you will not be able to open the lane early because tires will splatter and track the sealant around and make a mess.



Step 4:

Sprinkle the sand mixture over the sealant using a cup. Use the paint roller to push the sand around as needed and press it into the groove. See the pictures to compare the before and after results.



Quite an improvement! We hope you find this trick helpful.
Please feel free to share your experiences/photos of job sites using the sand trick.