

## Direct Burial Installation Instructions

### Preformed direct burial installation tips and directions

For all saw-cut applications use **BD Loops** preformed 3/16" saw-cut loop.

#### Installation in Concrete

See Reverse side of this page.  
(Pictures included)

#### Installation Under Pavers

Determine loop position and footprint to include lead-in run to gate operator. Be sure to use the correct loop size.\*

Dig a 2" wide by 3" deep trench in the pattern of the loop and lead-in.

Fill Trench with one inch of sand.

Place loop in trench and run lead-in through 1/2" schedule 40 or 80 rigid PVC. Glue all PVC joints. If you have a gopher problem lead-in can be run in metallic conduit.

Cover loop and lead-in PVC run with 2 1/2" of sand.

#### Installation under Asphalt

Position and shape the loop on sub-base. Be sure to use the correct loop size.\*

Pull lead-in through 1/2" schedule 40 or 80 rigid PVC. Glue all PVC Joints. If you have a gopher problem lead-in can be run in metallic conduit.

Dig a 2" wide by 3" deep trench in the size and place of the loop footprint and lead-in.

Fill the trench with one inch of sand base.

Lay the loop and lead-in run in the trench on top of sand base and use supplied ground stakes to secure the loop corners.

Cover loop and lead-in PVC run with 2.5" of sand.

**BD Loops cannot come in direct contact with hot asphalt  
Call BD Loops for any questions and to find a solution.**

#### Installation in Gravel road

Position and shape the loop on sub-base. Be sure to use the correct loop size.\*

Pull lead-in through 1/2" schedule 40 or 80 rigid PVC. Glue all PVC joints. If you have a gopher problem lead-in can be run in metallic conduit.

Dig a 7" to 10" deep trench in the size and place of the loop footprint and lead-in.

Fill the trench with one inch of sand base.

Lay the loop and lead-in run in the trench on top of sand base and use supplied ground stakes to secure the loop corners.

Cover loop and lead-in PVC run with 2.5" of sand. Compact sand around the loop then fill in with road base.

**Harness Wire: Solder all connections**

**Plug/Screw Connectors: Tint all connections**

### Basic loop layout guidelines to follow

#### Reverse and Exit Loops

- 4ft from the gate/door.
- Swing gates require 4ft from its complete open and closed position.
- 2ft from each curb.
- 4ft from every other loop.

#### Shadow loops

- Loop lays under the swing path.
- 4ft from the gate in its complete open and closed position.

Height determined by 2/3 of the short leg of the loop.

Residential 4ft short leg (Detection of standard size vehicles only).

Commercial 6ft short leg (Detect higher bed vehicles).

## \*Need help determining your layout?

### BD Loops Loopalator- The loop Layout Calculator

Visit our website to learn more, and download your own free copy of the Loopalator – The Loop Layout Calculator. Just by knowing the driveway width, type of gate, and type of loop (direct burial or saw cut) you can easily calculate the sizes of loops needed for any job, and print out a detailed layout plan to give to installers.

**BD Loops** 5362 Bolsa Ave. unit C, Huntington Beach, CA 92649

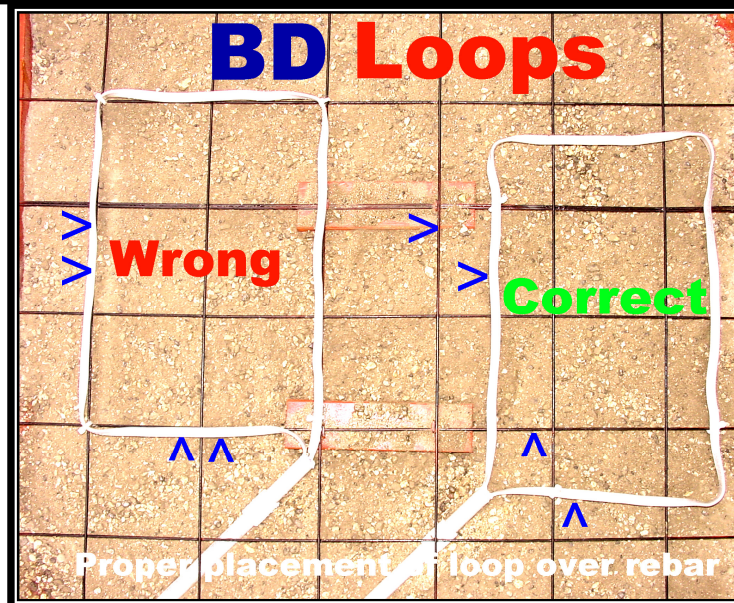
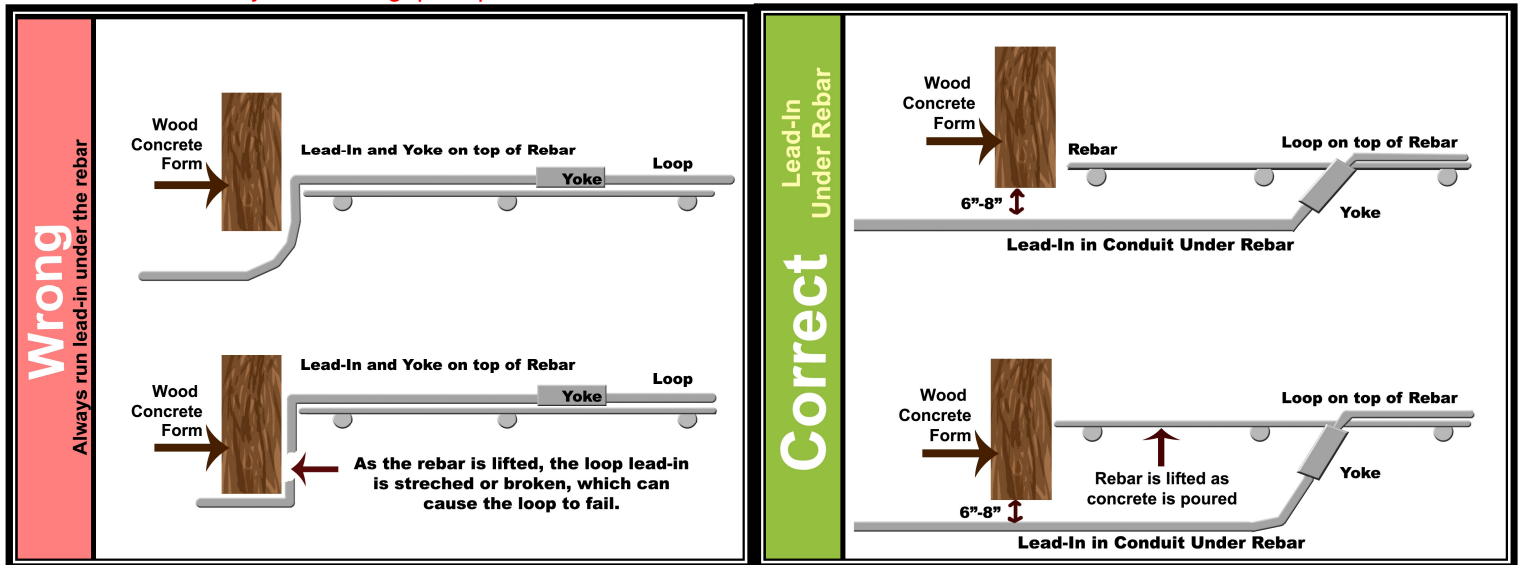
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# Installing **BD Loops** in concrete over rebar

When installing **BD Loops** over rebar make sure to follow these simple instructions:

- Determine loop position and lay loop on top of rebar (never below).
- Offset the loop from the rebar pattern (see picture below) then use supplied cable ties to secure loop in place.
- Always run the lead-in underneath the rebar. (see picture below)
- Run the lead-in 6-8" under the concrete form.
- **Run the lead-in in conduit (Schedule 40 or 80 recommended) making sure to glue all PVC joints. If you have a gopher problem lead-in can be run in metallic conduit.**



## **BD Loops** Loopalator

The Loop Layout Calculator

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**Got questions? BD Loops has the answers!**

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