

Pod Detection System™

Updated Pod Installation Procedure

The purpose of this Tech Note is to create a procedure to install the Pod using TW tool # 3A589-4000. This updated procedure does not use the clamshell.

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1 Tools Needed:

1. Protective eyewear and gloves
2. Coring drill with 4.5" diameter bit
3. Pod to install
4. Tube of sealant and sealant applicator
5. Installation Tool (TW # 3A589-4000)

2 Procedure:

1. Always wear eye protection and gloves before starting the installation.
2. Core hole in the concrete/asphalt, 4.5" in diameter, approx. 2.75" deep.



3. Remove core and level the bottom of the hole as flat as possible. Remove all debris and dry out hole if water was used.



4. Verify that the hole depth is approx. 2.75" deep. If hole is deeper, it will take more than one tube of sealant.



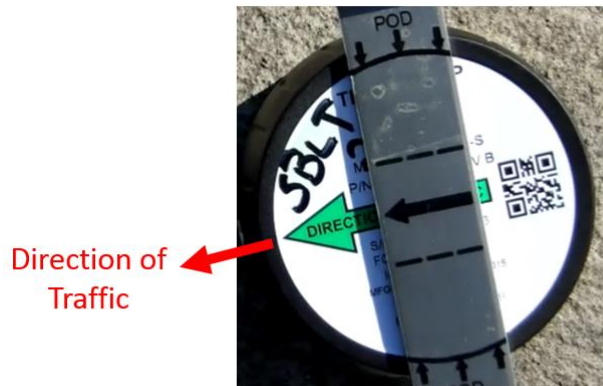
5. Remove the paper from the tape on the tool and adhere the Pod to the tool, centering the pod on the tool, lining up with the label as shown below.



6. Fill the hole with approximately a ½ tube of sealant. During curing, the temperature of the sealant will reach up to 160 Deg. F.



7. Install Pod in the sealant using the tool, with the arrow pointing the direction of traffic, keeping it centered in the hole with the tools features.



8. Hold the Pod down with the tool for approximately 1 minute, while continuing to apply more sealant in the hole keeping the sealant from hardening in the mixer, until it stays in place by itself. If the ambient temperature is below 70 deg. F, additional cure time is required (e.g. at 60deg F, allow an additional 1 minute of curing time).



9. When the sealant is cured, detach the tool from the Pod by pulling up on the tool. The tape will peel away from the Pod housing.
(Press on the POD with a finger and lift the handle up to detach the tool from Pod)



If the tape comes off of the tool and stays adhered to the Pod, remove the tape before applying the rest of sealant to fill the hole.

10. Apply the remaining sealant on the pod in the hole once the tool is removed. Verify the sealant is flush with the road or add extra sealant as needed.

