

## Soil Gas Sampling Chapter Review

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## Installing the AMS Sub-Slab GVP



1. Create a 1/8" recess hole with the core bit so that the tamper-resistant cap will fit flush with the floor surface when installed.



2. Drill through the concrete floor.

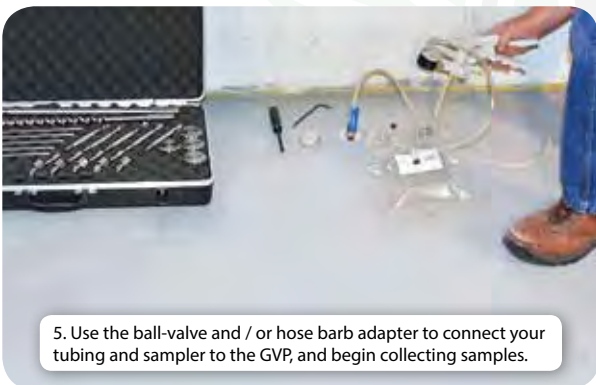
This is how it should look.



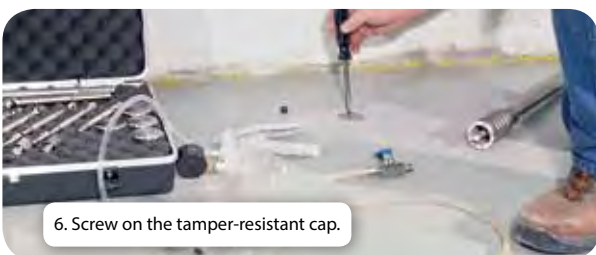
3. Check for obstructions (if necessary)



4. Insert the assembled GVP and grout above the teflon plug.



5. Use the ball-valve and / or hose barb adapter to connect your tubing and sampler to the GVP, and begin collecting samples.



6. Screw on the tamper-resistant cap.

## AMS Sub-Slab GVP Kit

Sub-slab gas vapor probe kits are used to sample for volatile organic compounds (VOCs) beneath floor slabs during vapor intrusion investigations. These kits provide a semi-permanent probe that allows for repeated sampling over time in order to assess the potential of contaminated vapor intrusion beneath the floor slab of a building. The basic sub-slab kit includes a stainless steel 3"-long implant, Teflon shaft plug, connectors, top plug, hose barb adapter, and a 1/4" x 12" x 0.35" stainless steel tube.

The tamper-resistant kit includes all of the components of the basic kit as well as a screw-in top cap that will help prevent vandalism or other unwanted use of the sampling point.

The sub-slab GVP installation kit (below) contains everything needed to install up to five permanent sampling points. It includes five stainless steel 3" implants, five teflon shaft plugs, connectors, five top plugs, five hose barb adapter, five 1/4" x 12" x 0.35" stainless steel tubes, five tamper-resistant top caps, mini stainless steel ball-valve adapter, 1" x 16" x 21" SDS-Max bit, 2" x 3" x 16" SDS-Max core bit, screw driver, a tee-handle allen wrench, and carrying case.

To assemble the sub-slab gvp (left), attach the implant to an appropriate length of stainless tubing. Push the tubing through the Teflon plug. Place the connector on top of the tubing to allow for the connection of the plug, barbed adapter, valved adapter, or tamper-resistant cap.



#52956

### AMS Sub-Slab Gas Vapor Probe Kits

Part #	Item	Weight
52954	Sub-Slab GVP Basic Kit	0.8 lb.
52955	Sub-Slab GVP Tamper-Resistant Kit	1.0 lb.
52956	Sub-Slab Gas Vapor Probe Installation Kit	14.7 lb.

### AMS Sub-Slab GVP Kit Replacement Parts and Accessories

Part #	Item	Weight
52952	Sub-Slab Vapor Shaft Tube	0.1 lb.
52953	Sub-Slab Teflon Plug	0.1 lb.
13460	Connector SS-400-7-4	0.1 lb.
13462	Plug HH-1/4 NPT	0.1 lb.
13463	Hose Barb Adapter SS-4-AC-1-4	0.1 lb.
21008	3" Implant w/ 1/4" SS Compression	0.1 lb.
56958	Sub-Slab GVP Tamper-Resistant Top Cap	0.1 lb.
208.63	Spanner Screwdriver	0.2 lb.
424.62	AMS Small Carrying Case	5.7 lb.
22011	Mini SST Ball-Valve Adapter	0.3 lb.
214.43	1" x 16" (usable length) x 21" (total length) SDS-Max Bit	2.3 lb.
260.51	2" x 3" (usable length) x 16" (total length) SDS-Max Core Bit	3.7 lb.
260.52	Tee Handle Allen Wrench	0.1 lb.
213.94	DeWalt D25763K- 2" SDS Max Combination Hammer Drill	19.1 lb.