

INSTALLATION INSTRUCTIONS

The following instructions are for installation of the HME VDL100 Vehicle Detector Loop in a single drive-thru traffic lane, for vehicle detector use with any HME drive-thru communication system. The loop should be installed prior to pouring concrete for paving the lane, and therefore requires coordination with the paving contractor. Pay careful attention to the illustrations on the back of this page, especially regarding loop dimensions and the depth and position of its installation.

A loop must always be installed at the speaker post or menu board. If you received two loops, the second loop should typically be installed at the service window. If you received three loops, the third loop should typically be installed at the cashier window. Locations of the second and third loops may vary depending on specific requirements.

NOTE: In some cases the distance from the loop to where the conduit exits the ground into the speaker post cabinet may exceed three feet. In such cases, an additional ½ inch (12.7 mm) PVC pipe will be required (not provided).

LOOP AREA PREPARATION (Refer to Figure 1)

- The loop should begin 12 to 18 inches (305 – 457 mm) out from the curb.
- The forward edge of the loop should be lined up with the midpoint of the menu board, speaker post or drive-thru window.
- A 3 foot (914 mm) perimeter, free from rebar, wire screen, reinforcing bars, electrical cable or metal objects should be provided. Any metal nearby disturbs the loop's magnetic field, thus reducing the field in which detection takes place. Electrical cables near the loop can possibly cause false impulses to the magnetic field generated by the loop, causing erratic operation of the detector.

TOOLS/MATERIALS REQUIRED

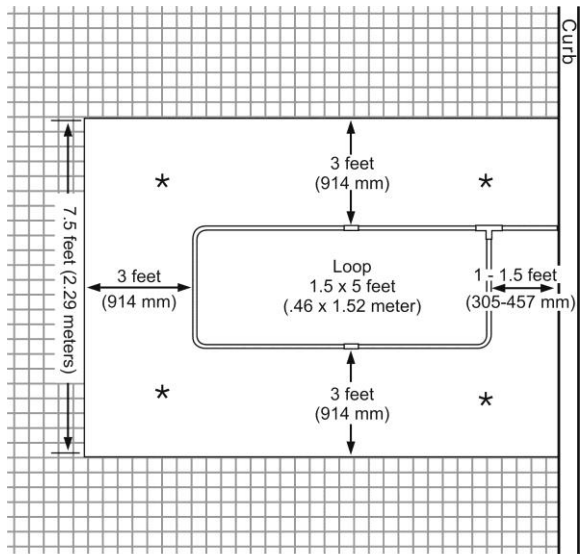
Shovel; hacksaw; tape measure; wood supports; securing wire; PVC adhesive & brush

PARTS LIST

- Prefab (folded) loop, 1.5 feet (.46 meter) x 5 feet (1.52 meter) 1 ea
- Coupling for ½ inch (12.7 mm) PVC tubing 1 ea
- 90 degree elbow for ½ inch (12.7 mm) PVC tubing 1 ea
- ½ inch (12.7 mm) PVC tubing, 2 feet (.61 meter) long 1 ea
- ½ inch (12.7 mm) PVC tubing, 3 feet (.91 meter) long 1 ea

PROCEDURE

- Check the contents of this package against the parts list. If any item is missing, contact your HME sales representative.
- Remove the elbow coupling, Figure 2 (6), from the cable. The cable was threaded through the coupling for shipping only.
- Assemble the loop as instructed on the back of this page.
- Measure the distance from the curb to the outlet of the conduit that comes from the building into the speaker post or menu board to determine if the enclosed 3 foot (.91 meter) PVC loop extension reaches from the loop to the conduit as shown in Figure 2 (4). If it does, proceed to the next paragraph. If not, substitute a longer piece of ½ inch (12.7 mm) PVC pipe (not provided). Measure and cut the pipe to reach from the loop to the point where it must exit the ground into the speaker post.



* Area free of rebar, wire screen, reinforcing bars, electrical cable or metal objects

Figure 1. Loop area preparation

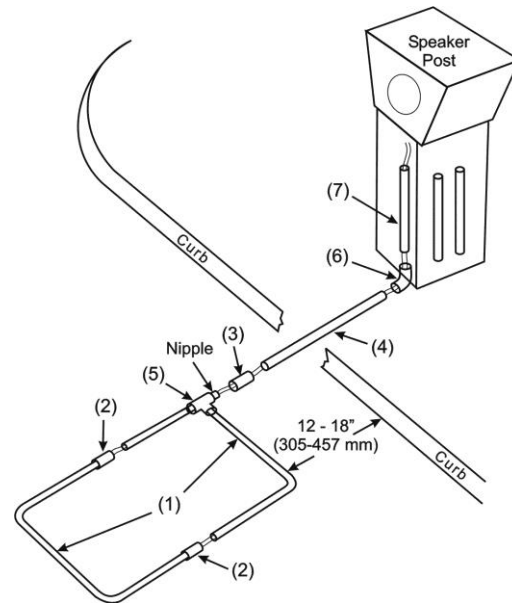


Figure 2. Loop layout and connections

NOTE: PVC adhesive (not provided) must be applied wherever PVC couplings and pipe are fitted together.

- Flatten the loop (folded for shipping) as shown in Figure 2 (1). Fit the pipe securely into the couplings (2). Lay the loop flat in the drive-thru lane and position it as shown in Figure 2. Elevate the loop on supports that are anchored to the ground, as shown in Figure 3. Level the loop so it will be 2 inches (51 mm) or less from the paved surface when the concrete is poured. Fasten the loop to the supports with wire, so it will not float when the concrete is poured.
- Pull the loop wires through the sleeve coupling (3) and the PVC loop extension (4). Slide one end of the sleeve coupling (3) over the nipple on the corner fitting of the loop (5), and slide the end of the loop extension (4) into the other end of the sleeve coupling (3).
- Pull the loop wires through the elbow coupling (6) and the remaining 2 foot (.61 meter) piece of PVC (7). Slide the two ends (of 4 & 7) into the coupling (6), positioning the piece of PVC (7) so it points upward, out of the ground. Be certain it is next to and parallel to the outlets of the conduit coming into the speaker post or menu board from the building.

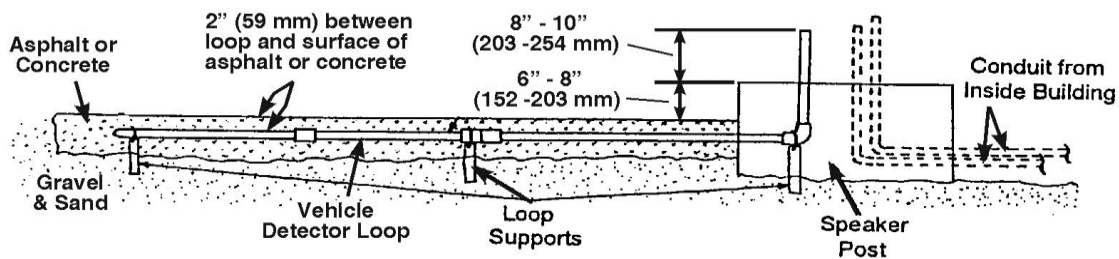


Figure 3. Side view of loop in asphalt or concrete

Waste Electrical and Electronic Equipment (WEEE)

The European Union (EU) WEEE Directive (2002/96/EC) places an obligation on producers (manufacturers, distributors and/or retailers) to take-back electronic products at the end of their useful life. The WEEE Directive covers most HME products being sold into the EU as of August 13, 2005. Manufacturers, distributors and retailers are obliged to finance the costs of recovery from municipal collection points, reuse, and recycling of specified percentages per the WEEE requirements.

Instructions for Disposal of WEEE by Users in the European Union

The symbol shown below is on the product or on its packaging which indicates that this product was put on the market after August 13, 2005 and must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of the user's waste equipment by handing it over to a designated collection point for the recycling of WEEE. The separate collection and recycling of waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local authority, your household waste disposal service or the seller from whom you purchased the product.

