

# CCVP Rain Shield

## Installation Guide

# Notice

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Contact TLS Systems Technical Support for additional troubleshooting information at 800-323-1799.

## **DAMAGE CLAIMS / LOST EQUIPMENT**

Thoroughly examine all components and units as soon as they are received. If any cartons are damaged or missing, write a complete and detailed description of the damage or shortage on the face of the freight bill. The carrier's agent must verify the inspection and sign the description. Refuse only the damaged product, not the entire shipment.

Veeder-Root must be notified of any damages and/or shortages within 30 days of receipt of the shipment, as stated in our Terms and Conditions.

## **VEEDER-ROOT'S PREFERRED CARRIER**

1. Contact Veeder-Root Customer Service at 800-873-3313 with the specific part numbers and quantities that were missing or received damaged.
2. Fax signed Bill of Lading (BOL) to Veeder-Root Customer Service at 800-234-5350.
3. Veeder-Root will file the claim with the carrier and replace the damaged/missing product at no charge to the customer. Customer Service will work with production facility to have the replacement product shipped as soon as possible.

## **CUSTOMER'S PREFERRED CARRIER**

1. It is the customer's responsibility to file a claim with their carrier.
2. Customer may submit a replacement purchase order. Customer is responsible for all charges and freight associated with replacement order. Customer Service will work with production facility to have the replacement product shipped as soon as possible.
3. If "lost" equipment is delivered at a later date and is not needed, Veeder-Root will allow a Return to Stock without a restocking fee.
4. Veeder-Root will NOT be responsible for any compensation when a customer chooses their own carrier.

## **RETURN SHIPPING**

For the parts return procedure, please follow the appropriate instructions in the "General Returned Goods Policy" pages in the "Policies and Literature" section of the Veeder-Root **North American Environmental Products** price list. Veeder-Root will not accept any return product without a Return Goods Authorization (RGA) number clearly printed on the outside of the package.

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## Introduction

This manual contains instructions to install a Rain Shield onto the Veeder-Root Carbon Canister Vapor Polisher (CCVP).

### Veeder-Root Contractor Certifications

Veeder-Root requires the following minimum training certifications for contractors who will install and setup the equipment discussed in this manual:

**Installer (Level 1) Certification:** Contractors holding valid Installer Certification are approved to perform wiring and conduit routing, equipment mounting, probe and sensor installation, tank and line preparation, and line leak detector installation.

**In-Station Diagnostics (ISD-PMC) Technician Certification:** ISD PMC Contractors holding a valid ISD/PMC Certification are approved to perform (ISD/PMC) installation checkout, startup, programming, and operations training. This training also includes troubleshooting and service techniques for the Veeder-Root In-Station Diagnostics system. A current Veeder-Root Technician Certification is a prerequisite for the ISD/PMC course. After successful completion of this course the contractor will receive a certificate as well as a Veeder-Root ISD/PMC including Carbon Canister Vapor Polisher contractor certification card. This Certification includes Executive Orders 202, 203, 204 and the Veeder-Root Vapor Polisher.

**Warranty Registrations** may only be submitted by selected Distributors.

### Related Manuals

577013-920 Carbon Canister Site Prep Manual

### Before You Begin

- Comply with all recommended safety practices identified by OSHA (Occupational Safety and Health Administration) and your employer.
- Follow all installation requirements as per NFPA (National Fire Protection Association) 30, 30A, and 70.
- Review and comply with all the safety warnings in the installation manuals and any other National, State or Local requirements.

### Veeder-Root Parts






- Veeder-Root Carbon Canister Vapor Polisher Weather Kit, P/N 330020-660.

**Table 1. Carbon Canister Vapor Polisher Weather Kit**






Item	P/N	Description	Qty.
1	333109-001	Rain shield group - Front (Sensor) Side	1
2	333098-001	Rain shield - valve assy, mtg side	1
3	514100-485	Cap - .625 ID x 1.500 high vinyl	1
4	576008-161	Cable tie - 8" long, 2" dia bundle	1
5	577013-978	Manual -Installation	1

## Safety Precautions

The following safety symbols may be used throughout this manual to alert you to important safety hazards and precautions.

 <p><b>EXPLOSIVE</b> Fuels and their vapors are extremely explosive if ignited.</p>	 <p><b>FLAMMABLE</b> Fuels and their vapors are extremely flammable.</p>	 <p><b>USE SAFETY BARRICADES</b> Unauthorized people or vehicles in the work area are dangerous. Always use safety cones or barricades, safety tape, and your vehicle to block the work area.</p>
 <p><b>READ ALL RELATED MANUALS</b> Read and understand all manuals thoroughly. If you do not understand a procedure, ask someone who does.</p>	 <p><b>TURN POWER OFF</b> Live power to a device creates a potential shock hazard. Turn Off power to the device and associated accessories when servicing the unit.</p>	

## ⚠ WARNING

    	<p>This product is to be installed and operated in the highly combustible environment of a gasoline station where flammable liquids and explosive vapors may be present.</p> <p><b>ATTEMPTING TO SERVICE TANK MONITORS AND EQUIPMENT WITHOUT PROPER TRAINING CAN CAUSE DAMAGE TO PROPERTY, ENVIRONMENT, RESULTING IN PERSONAL INJURY OR DEATH.</b></p> <p>The following hazards exist:</p> <ol style="list-style-type: none"> <li>1. To prevent ignition of flammable combustible atmospheres, disconnect power before servicing.</li> <li>2. Device contains aluminum. Care must be taken to avoid sparks due to friction or impact.</li> <li>3. To protect yourself and others from being struck by vehicles, block off your work area during installation or service.</li> </ol> <p>Observe the following precautions:</p> <ol style="list-style-type: none"> <li>1. Read and follow all instructions in this manual, including all safety warnings.</li> <li>2. Comply with all applicable codes including: the National Electrical Code; federal, state, and local codes; and other applicable safety codes.</li> <li>3. Substitution of components may impair intrinsic safety.</li> </ol>
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## Installation Procedure

1. The two rain shield components and the CCVP vapor valve assembly are shown in Figure 1.

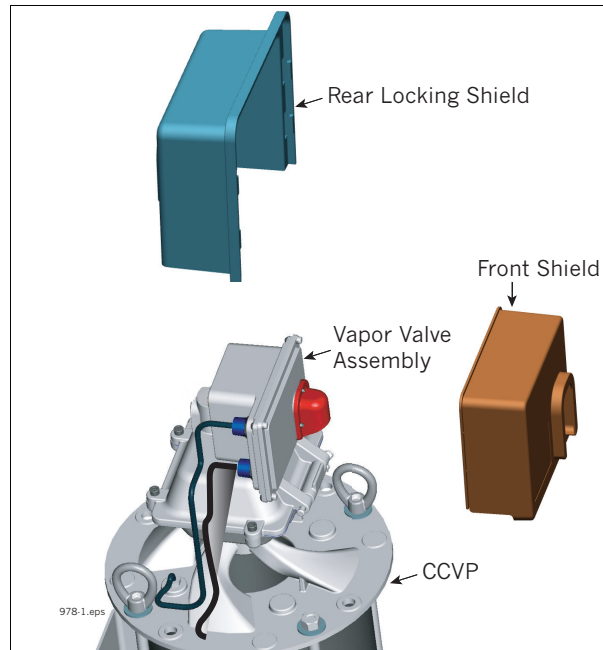


Figure 1. Rain shield components

2. Install the Front Shield (333097-001) over the Vapor Valve Assembly as shown in Figure 2.

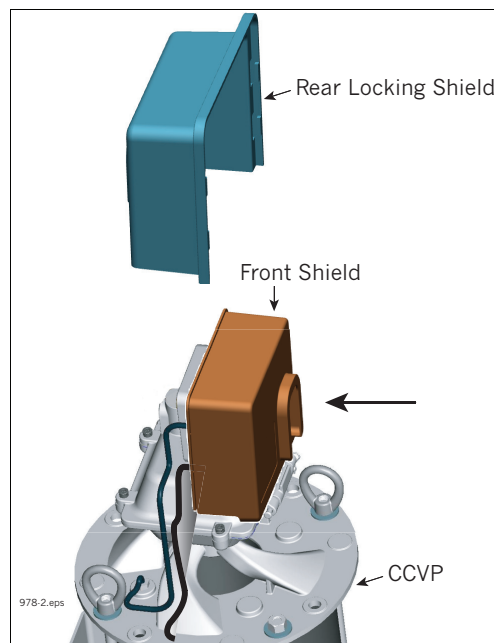


Figure 2. Place Front Shield over Vapor Valve Assembly

3. Align groove in flange of Locking Shield (333098-001) over flange of front shield and slide the Locking Shield onto the Front Shield's flange until locking tabs engage (see Figure 3). ATG and Thermometer probe cables exit Locking Shield as shown in Figure 3.

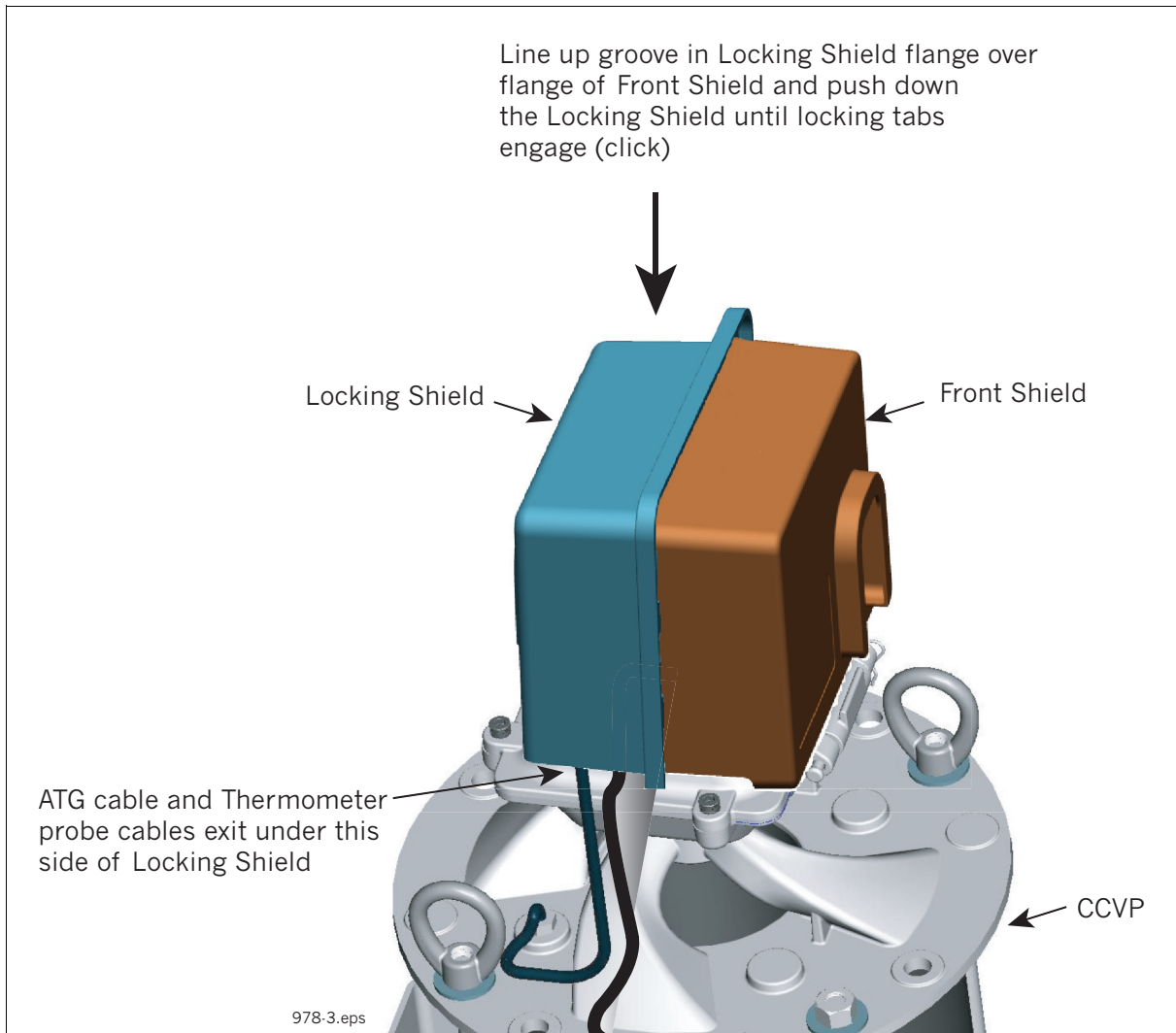


Figure 3. Installed rain shield

## Removing Rain Shield

While holding Front Shield, firmly lift Locking Shield until locking tabs disengage and then lift up until Locking Shield is clear of Front Shield. Remove Front Shield.

## Installing the Protective Cover Over the Thermal Probe

1. Make a small bend in the thermal probe cable no more than one inch above the thermal probe's hex nut (see Figure 4).
2. Slide the cover over the bend of the cable and push it down over the probe's hex nut until it rests on the top of the CCVP. Get the tie wrap from the kit and position it around the end of the cover just under the probe's hex nut and tighten it (see Figure 5).

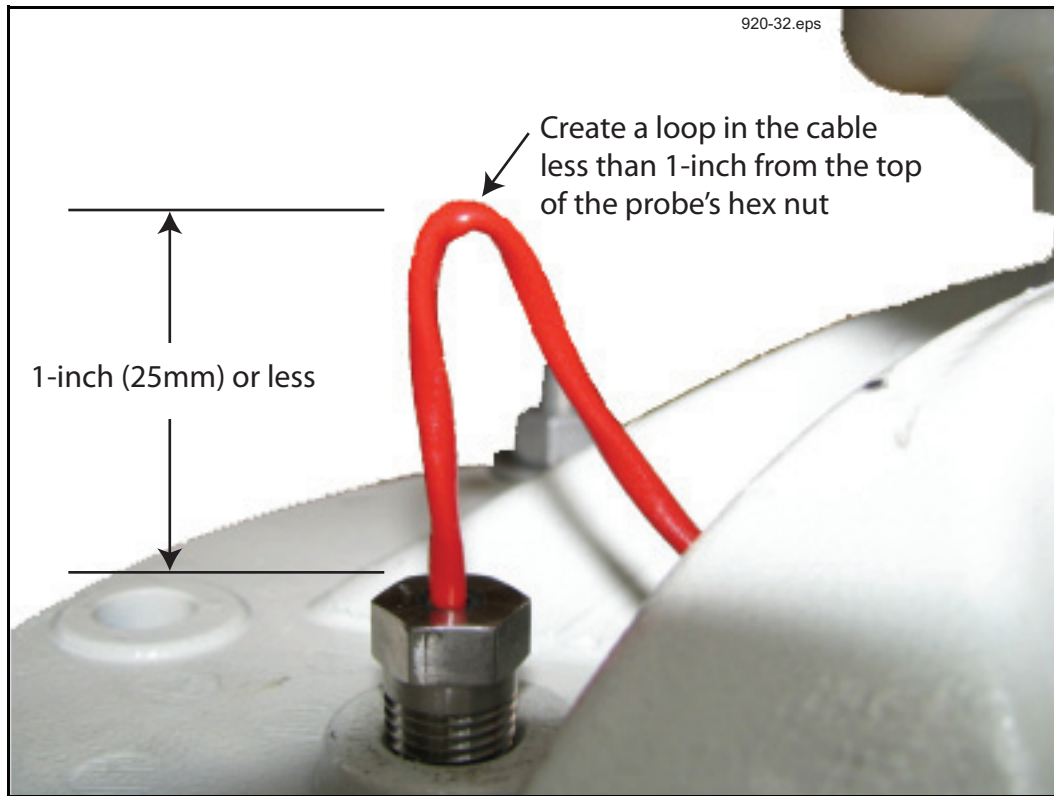


Figure 4. Preparing the thermal probe cable for the protective cover



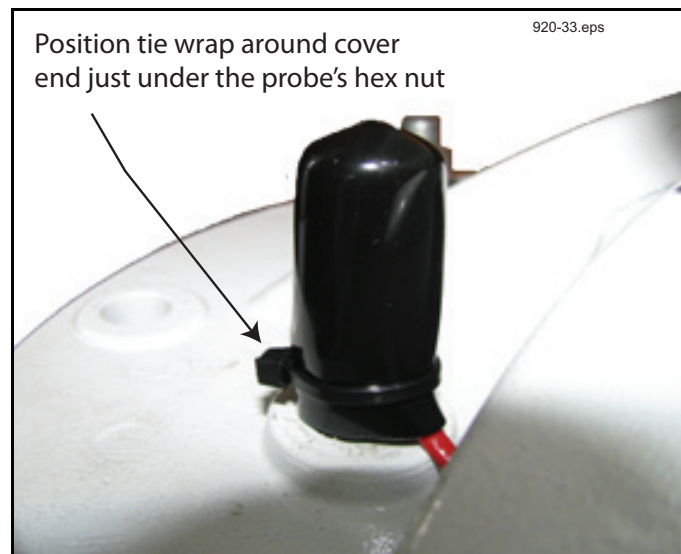


Figure 5. Positioning the tie wrap over the thermal probe's protective cover

