

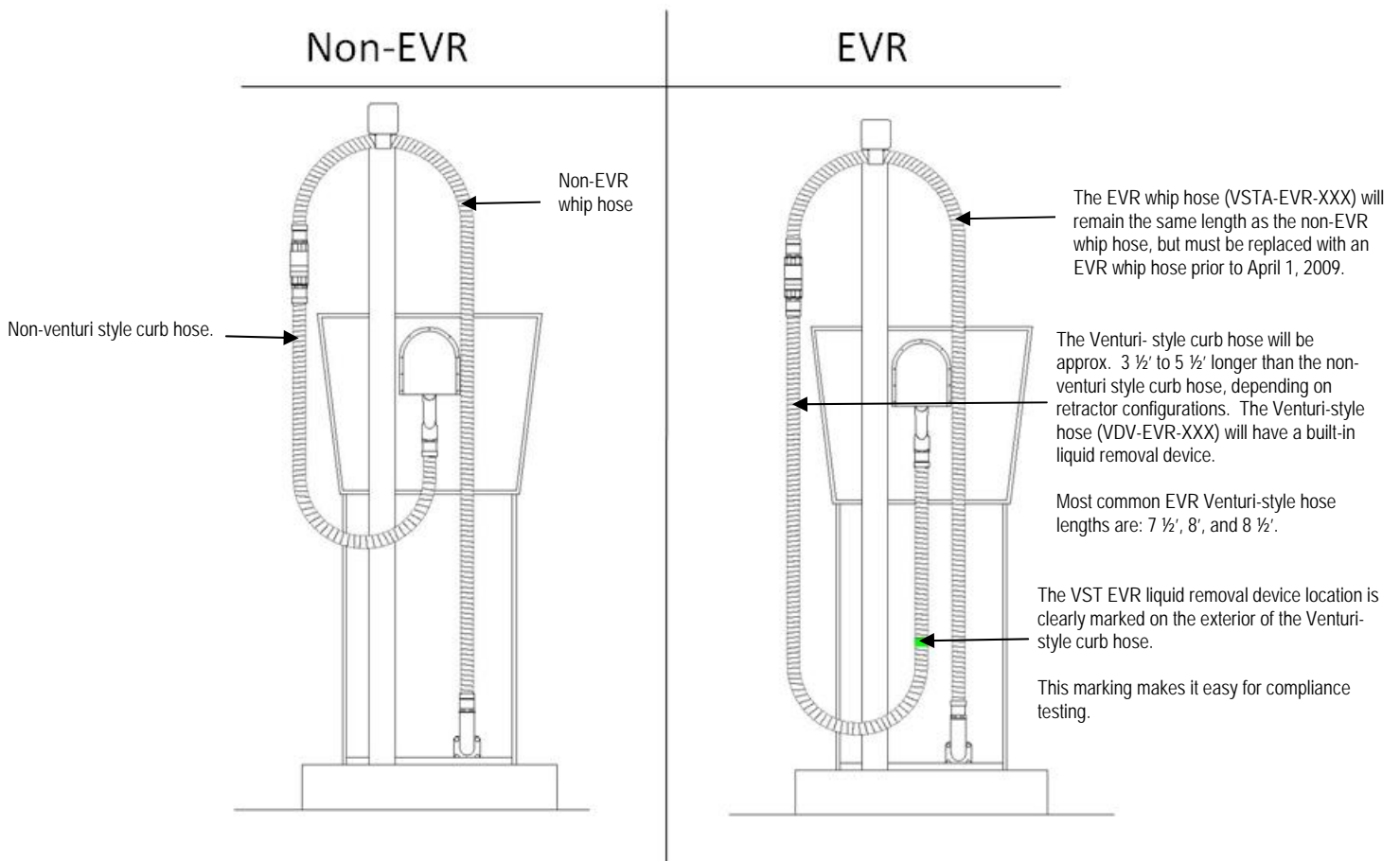


## *EVR Hose Configuration*

The purpose of this bulletin is to explain the correct EVR hose configuration when replacing a non-EVR hose with a VST EVR-approved curb hose. Additionally, CARB's Commercial Availability Advisory (see attached) becomes effective on November 1, 2008, requiring GDF owner / operators to begin replacing non-EVR hanging hardware with VST EVR-approved hanging hardware.

### EVR Hose Conversion Facts:

1. EVR-approved curb hoses must be a Venturi style, meaning they contain built-in liquid-removal devices.
  - VST is the only provider of Balance, EVR-approved, Venturi-style curb hoses.
2. Venturi hoses will be 3 ½' to 5 ½' longer than the existing non-EVR curb hose to allow the Venturi hose to function properly.
3. The whip hose will remain the same length. SEE DIAGRAM BELOW



# Product Bulletin

## Commercial Availability

July 2, 2008



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## *VST Receives CARB EVR Commercial Availability!*

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Effective June 30, 2008, CARB has determined that VST's EVR replacement parts are now commercially available as required replacement parts for all Phase II balance vapor recovery systems.

### *What this means to you*

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#### 1. Required Replacement Components

- Beginning November 1, 2008, all non-EVR balance GDF's who need to replace hanging hardware components **will be required** to replace those components with the EVR commercially available equipment listed below:

Component	Replacement required for the following exhibits of EO G-70-52-AM	Manufacturer	EVR-Certified Component Model Number
Nozzle	All coaxial exhibits	VST, Inc.	VST-EVR-NB
Breakaway Coupling	All coaxial exhibits	VST, Inc.	VSTA-EVR-SBK
Co-axial Curb/Whip Hose Assembly	Only liquid removal hoses, exhibits 8c, 9c, 10, 11	VST, Inc.	VDV-EVR/VSTA-EVR (curb hose / whip hose)
		**Goodyear Engineered Products	Maxxim Premier Plus / Premier (curb hose / whip hose)

**\*\*Note that the Goodyear hose assembly has not been certified as part of an EVR system, and as such, may not be installed as a new or replacement part in an EVR Phase II balance system.**

#### 2. Availability

- VST EVR balance hanging hardware components are currently in stock today.
- GDF's can immediately begin retrofitting with VST EVR components as their older, non-EVR hanging hardware components need to be replaced.

#### 3. Mixing and Matching Components

- Because the Goodyear hose is not certified as part of an EVR system, you **will not be** permitted to use a Goodyear hose with a VST EVR system.
- All VST hanging hardware components are currently being utilized with multiple balance systems that are undergoing CARB EVR certification testing.

Number 374

June 30, 2008

**ENHANCED VAPOR RECOVERY (EVR)-CERTIFIED REPLACEMENT PARTS FOR ORVR-COMPATIBLE BALANCE VAPOR RECOVERY SYSTEMS**

On November 1, 2008, operators of gasoline dispensing facilities (GDFs) with On-Board Refueling Vapor Recovery (ORVR) - Compatible Phase II balance vapor recovery systems (Table 2) who need to replace some hanging hardware components will be required to install the equipment listed in Table 1 as replacement components. If a permit to construct application is on file with the Air Pollution Control District for the Franklin Fueling/Healy Phase II System, Executive Orders VR-201 or VR-202, EVR replacement components are not required with the current ORVR-compatible balance system.

EVR-certified components listed in Table 1 have met the operational standards of the Air Resources Board's Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (CP-201, dated May 25, 2006) and have been determined to be compatible with ORVR-compatible Phase II balance vapor recovery systems listed in Table 2. In ARB's approval letter 08-01, dated June 30, 2008, EVR components were determined to be commercially available as replacement parts in accord with Section 19.1 of CP -201.

**Table 1: Required Replacement Parts for Phase II ORVR-Compatible Balance Systems<sup>1</sup>**

<b>Component</b>	<b>Replacement required for the following exhibits of EO G-70-52-AM</b>	<b>Manufacturer</b>	<b>EVR-Certified Component Model Number</b>
Nozzle	All coaxial exhibits	VST, Inc.	VST-EVR-NB
Breakaway Coupling	All coaxial exhibits	VST, Inc.	VSTA-EVR-SBK
Coaxial Curb/Whip Hose Assembly	Only liquid removal hoses, Exhibits 8c, 9c, 10, 11	VST, Inc.	VDV-EVR /VSTA-EVR (curb hose/whip hose)
		Goodyear Engineered Products	Maxxim Premier Plus <sup>1</sup> /Premier <sup>1</sup> (curb hose/whip hose)

<sup>1</sup> Note that the Goodyear hose assembly has not been certified as part of an EVR system, and as such, may not be installed as a new or replacement part in an EVR Phase II balance system.

**Table 2: ORVR-Compatible Phase II Balance Vapor Recovery Systems**

Executive Order Number	Description
G-70-17-AD	<a href="#">Modification of Certification of the Emco Wheaton Balance Phase II Vapor Recovery System</a>
G-70-23-AC	<a href="#">Recertification of the Exxon Balance Phase II Vapor Recovery System</a>
G-70-25-AA	<a href="#">Recertification of the Atlantic Richfield Balance Phase II Vapor Recovery System</a>
G-70-36-AD	<a href="#">Modification of Certification of the OPW Balance Phase II Vapor Recovery System</a>
G-70-38-AB	<a href="#">Recertification of the Texaco Balance Phase II Vapor Recovery System</a>
G-70-48-AA	<a href="#">Recertification of the Mobil Oil Balance Phase II Vapor Recovery System</a>
G-70-49-AA	<a href="#">Recertification of the Union Balance Phase II Vapor Recovery System</a>
G-70-52-AM	<a href="#">Certification of Components for Red Jacket, Hirt, and Balance Phase II Vapor Recovery System</a>
G-70-53-AA	<a href="#">Recertification of the Chevron Balance Phase II Vapor Recovery System</a>
G-70-125-AA	<a href="#">Modification of the Certification of the Husky Model V Phase II Balance Vapor Recovery Nozzle</a>
G-70-134	<a href="#">Certification of the EZ Flo Rebuilt A-4000 Series and 11V-Series Vapor Recovery Nozzle</a>
G-70-170	<a href="#">Certification of the EZ-Flo Rebuilt 5005 and 5015 Nozzles for use with the Balance Phase II Vapor Recovery System</a>

Until April 1, 2009, the Table 1 components are the approved replacement components for the equivalent components for ORVR-Compatible balance vapor recovery systems listed in Table 2. By April 1, 2009, however, GDFs with underground storage tanks subject to Phase II vapor recovery requirements must upgrade to EVR certified Phase II systems. The components listed in Table 1 shall be installed and maintained in accordance with the manufacturer's installation and maintenance instructions. Please note that important instructions for the installation and testing of approved EVR replacement components are contained in ARB Approval letters [07-03](#) for Goodyear components and [07-09](#) for VST components. All EVR hanging hardware components installed on a GDF permitted under Executive Order G-70-52-AM shall be subject to all the same testing requirements applicable to the components listed in Exhibit 2 of G-70-52-AM and those sections of the Vapor Recovery Equipment Defects (VRED) list applicable to Executive Order G-70-52-AM.

District and state inspectors can check the maintenance log at a GDF to confirm that the approved replacement components are installed after drive-offs or after other maintenance which requires the replacement of balance system components.

Lastly, until April 1, 2009,<sup>2</sup> unless the components listed in Table 1 need to be replaced, GDFs with the components listed under the Executive Orders in Table 2 and in all the

<sup>2</sup> As specified in CP-201, in ozone attainment districts, GDFs with installed ORVR-Compatible Phase II vapor recovery systems may continue to operate those systems using the approved replacement components until the GDFs undergo major modifications as defined in D-200.

approval letters pertaining to the Executive Orders may continue their use, either for the remainder of their useful life or the allowable in-use period, as provided in Section 19.1 of CP-201.

If you have questions or need further information regarding this advisory, please contact Frances Cameron at (916) 445-9314 or via email at [fcameron@arb.ca.gov](mailto:fcameron@arb.ca.gov), or Pat Bennett at (916) 322-8959 or via email at [pbennett@arb.ca.gov](mailto:pbennett@arb.ca.gov).