

December 4, 2009

**001 Technical Service Bulletin**

**New CARB EVR Approval Letter #09-10**



***EMCO Wheaton Receives CARB Approval For Balance Phase II EVR Components As Compatible Replacement Parts For Executive Order G-70-52-AM!***

Attention Service Technicians,

On November 19, 2009, the California Air Resources Board CARB determined that the EMCO Wheaton Balance Phase II EVR components listed below are backward compatible replacements for Executive Order G-70-52-AM. All gasoline dispensing facilities GDFs operating in California with a CARB approved pre-EVR balance system will be required to only use EVR approved components for replacement parts during routine preventive maintenance, this also includes GDFs with aboveground storage tanks ASTs.

<b>Component Description</b>	<b>Model Number</b>
Balance Vapor Recovery Nozzle	A4005EVR
Balance Vapor Recovery Nozzle (Rebuilt)	RA4005EVR
Coaxial Safe Break Valve	A4119EVR
Coaxial Hose Swivel	A4110EVR

**IMPORTANT:** All liquid removal testing conducted on hanging hardware equipped with an EMCO Wheaton Balance Phase II EVR Nozzle must be performed in accordance with Exhibit 5 of CARB Executive Orders VR-207-A and VR-208-A. The EMCO Wheaton Spout Plug P/N 494635EVR is a required test tool that seals the fuel path of the nozzle spout during liquid removal testing per CARB TP-201.6C.

As before, I thank you for your attention to this matter. Should you have additional questions, please do not hesitate to contact me.

Best regards,

Jose E. Rodriguez  
Director of Technical Service & Support/  
CARB Liaison

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

The nozzles, breakaways, hoses and swivel listed in Table 1 below are required replacement components for pre-EVR balance systems. These balance system components have been certified to meet the Air Resources Board's (ARB) performance requirements for EVR systems<sup>1</sup> and have been determined to be compatible with pre-EVR balance components listed in Executive Order (EO) G-70-52-AM.

A gasoline dispensing facility (GDF) operator is required to install as replacement parts any hanging hardware components that are certified to EVR standards and are determined to be compatible with pre-EVR balance systems. ARB staff determined the compatibility of replacement components in approval letters to the following manufacturers: Approval Letter #07-09 covers Vapor System Technologies components, Approval Letter #07-03 covers Goodyear hoses, and Approval Letter #09-10 covers EMCO-Wheaton components.

**Table 1: Required Replacement Parts for Pre-EVR Phase II Balance Systems**

<b>Component/ Manufacturer</b>	<b>Model Number</b>
<b>Nozzles (coaxial only)</b> VST, Inc. EMCO-Wheaton	VST-EVR-NB, VST-EVR-NB-R A4005EVR, RA4005EVR
<b>Breakaway Coupling (coaxial only)</b> VST, Inc. EMCO-Wheaton	VSTA-EVR-SBK A4119EVR
<b>Coaxial Curb/Whip Hose Assembly</b> (liquid removal only) <sup>2</sup> VST, Inc. Goodyear Engineered Products	VDV-EVR /VSTA-EVR Maxxim Premier Plus
<b>Hose Swivel</b> EMCO Wheaton	A4110EVR

<sup>1</sup> Operational standards are listed in ARB Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (CP-201, May 25, 2006) and ARB Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Aboveground Storage Tanks (CP-206, May 2, 2008).

<sup>2</sup> A liquid removal replacement hose is required only if the component being replaced is a liquid removal hose.

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 the ARB approval letters listed above for each manufacturer.

In addition to installing only EVR-certified replacement components, anyone who owns or operates an existing gasoline dispensing facility must replace the pre-EVR balance system with an EVR Phase II system according to the following schedule:

1. If the facility has aboveground storage tanks, the compliance deadline for EVR Phase II is January 1, 2015.
2. If the facility has underground storage tanks (UST) and is operated both as a bulk plant which loads gasoline into cargo trucks and also as a GDF, the compliance deadline for EVR Phase II is April 1, 2011.
3. If the facility has USTs with liquid condensate traps, the compliance deadline for EVR Phase II is April 1, 2010.
4. If the facility is located in one of the following counties or portions of counties the compliance deadline for EVR Phase II is July 27, 2011: San Luis Obispo, Siskiyou, or Northern Sonoma County Air Pollution Control District portion of Sonoma.
5. If the facility is located in one of the following counties and has an annual throughput of 240,000 gallons of gasoline or less, the compliance deadline for EVR Phase II is April 1, 2011: Alpine, Lassen, Modoc, Plumas, or Sierra.

An owner or operator of an existing facility which is located in one of the following counties is not required to install EVR Phase II: Del Norte, Humboldt, Lake, Mendocino, or Trinity.

This advisory supersedes Approval Letter #09-02. 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).



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Secretary for  
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# Air Resources Board

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Arnold Schwarzenegger  
Governor

November 19, 2009

#09-10

Mr. Jose E. Rodriguez  
Manager of Technical Services  
EMCO Wheaton Retail  
1004 West Covina Parkway #413  
West Covina, California 95814

Dear Mr. Rodriguez:

The California Air Resources Board (ARB) staff has determined that the EMCO Wheaton Phase II enhanced vapor recovery (EVR) components listed below are compatible replacement parts for pre-EVR balance systems. The EMCO EVR nozzle, safe break valve, and hose swivel met EVR performance standards<sup>1</sup> when tested with the Goodyear Maxxim Premier Plus hoses for Executive Order (EO) VR-207 and 208. The Goodyear hose assembly was approved and determined to be compatible with pre-EVR balance systems in Approval Letter #07-03. Since the EMCO components met EVR standards when installed with the Goodyear hoses, the EMCO nozzle, safe break valve, and hose swivel have been demonstrated to be compatible with pre-EVR balance components. The EMCO components are approved replacement components for EO G-70-52-AM.

### EMCO Wheaton EVR Phase II Components

Component	Model number
Coaxial Nozzles	A4005EVR, RA4005EVR
Coaxial Safe Break Valve	A4119EVR
Coaxial Hose Swivel	A4110EVR

If the liquid removal test ARB TP-201.6C is conducted on a hanging hardware assembly with an EMCO EVR balance nozzle, the procedure in Executive Orders VR-207 or 208, Exhibit 5, should be conducted. The tester should include the following steps when draining gasoline from the hose:

- EMCO spout plug, P/N 494635EVR, must be used to plug the spout;

<sup>1</sup> Operational standards are listed in ARB Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (CP-201, May 25, 2006) and ARB Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities Using Aboveground Storage Tanks (CP-206, May 2, 2008).

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

Mr. Jose E. Rodriguez  
November 19, 2009  
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- Do not activate the dispenser; and
- Engage the nozzle lever (The EMCO EVR nozzle has a lever-actuated vapor valve).

If you have questions or need further information, please contact either 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).

Sincerely,

*Manjit Ahuja for TAC*

Manjit Ahuja, Acting Chief  
Monitoring and Laboratory Division

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