EC0017A

Date	Expiration	Release	Page

07.2017 N/A 1 1(9)

ENGINE CONTROL MODULE (ECM) SOFTWARE UPDATES

Prevost and Volvo vehicles

REVISION : A THIS BULLETIN SUPERSEDES PREVIOUS VERSION.

08-30-2017 Campaign completion label relocated to front junction box.

DESCRIPTION

The vehicles affected by this bulletin may be equipped with an improperly functioning on-board emission- related diagnostic system that violates California and Federal standards and regulations.

The issue pertains to certain OBD (On-Board Diagnostic) monitors that may not illuminate the Malfunction Indicator Lamp (MIL) at the required threshold limits. This issue has no impact on fuel economy, drivability, performance, or safety of the engines.

To correct this issue, software updates are available for Prevost Engine Control Modules (ECM) for model year 2013 D13 Engines.

Please contact your nearest Prevost Service Center or Prevost service manager and schedule an appointment to have the required repairs applied.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.						
Model	VIN					
H3-45 coaches	From 2PCH33499 <u>D</u> C71 <u>2364</u> up to 2PCH33496 <u>E</u> C71 <u>2601</u>					
Model Year : 2013 - 2014	incl.					
H3-45 VIP motorhomes	From 2PCVS3490 <u>D</u> C71 <u>2369</u> up to 2PCVS3495 <u>E</u> C71 <u>2594</u>					
Model Year : 2013 - 2014	incl.					
X3-45 coaches	From 2PCG33497 <u>E</u> C73 <u>5459</u> up to 2PCG33493 <u>E</u> C73 <u>5622</u>					
Model Year : 2014	incl.					
X3-45 VIP motorhomes	From 2PCBS3493 <u>D</u> C73 <u>5485</u> up to 2PCBS3490 <u>E</u> C73 <u>5607</u>					
Model Year : 2013 - 2014	incl.					
X3-45 VIP commercial use	From 2PCCS3497 <u>E</u> C73 <u>5494</u> up to 2PCC33499 <u>E</u> C73 <u>5624</u>					
Model Year : 2014	incl.					
XLII-45 Entertainer	From 2PCY33491 <u>D</u> C73 <u>5461</u> up to 2PCYS3498 <u>D</u> C73 <u>5489</u>					
Model Year : 2013	incl.					
9700 Volvo coaches Model Year : 2014	From 3CET2S222 <u>E</u> 5 <u>162000</u> up to 3CET2S223 <u>E</u> 5 <u>165486</u>					



	Date	Expiration	Release	Page	
	07.2017	N/A	1	2(9)	
		incl.			
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.					

MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
85152363	Emissions Recall Completion Sticker (All)	1

EQUIPMENT NEEDED

Description	Qty
Premium Tech Tool (PTT) version 2.05.23 or higher	1
Vocom Diagnostic Connector 88890304	1
Communication Interface 88890300	1

NOTE

- Using other interfaces may affect programming speed.
- Check Premium Tech Tool version by clicking on Help tab and then click on "About Tech Tool".

PROCEDURE



DANGER

Prior to working on the vehicle, park vehicle safely, apply parking brake and set the ignition switch to the ON position with the engine not running.

Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

Software Update Procedure

Date	Expiration	Release	Page
07.2017	N/A	1	3(9)

You must read and understand the precautions and guidelines in Impact; Service Information, group 20, "General Safety Practices, Engines" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

NOTE

Information is subject to change without notice. Illustrations are used for reference only, and may differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

- 1. Verify service program eligibility by checking service program status in VDA.
- Connect Premium Tech Tool (PTT) to the vehicle diagnostic connector using the 16 pin OBD cable 88890304 and Communication Interface 88890300. Connect the PC to a functional LAN or modem connection and a 120 Volt AC source.
- 3. Turn the ignition switch "ON".
- 4. Log in to PTT and Identify Vehicle is displayed.
- 5. Once the vehicle has been identified, enter the Work Order Number information, then click Start Work.

ently used work order number in the list.
Start Work Cancel

6. From the Main Menu, select Program and then Program Electronic Control Unit 1700-08-



Date	Expiration	Release	Page
07.2017	N/A	1	4(9)

03-39. Then click Start.

Tech Tool	Links Help					
Product	Product History	Diagnose	Test	Calibrate	Program	Impact
Progra						
	operation and click St					
1700-0	8-03-39 Program Elec	tronic Control U	nit			
1700-2	22-03-03 Parameter, pr	ogramming		>		
1700-2	22-03-28 Accessory Kit		1	11		
1700-2	2-03-12 Replace Elect	ronic Control Ur	nit			
1700-2	22-03-13 Program with	Stored Software		V		
1700-0	8-03-40 Handle Comp	onent				
2841-2	2-03-04 Create Engine	Label				

7. Select EMS.

Tech Tool	Links	Help					
Product	Proc	luct Histo	ry C	agnose	Test	Calibrate	Program
Select an	Electron	nic Control	Jnit				
Control Un	it						
Information	display	(MID 140)					
Vehicle EC	J (MID 1	144)					
Radio (MID	206)						
Gear Select	tor ECU	(MID 223)					
Aftertreatme	ent Cont	rol Module	(ACM)				
Engine Cor	trol Mod	dule (EMS)	$\langle \cdot \rangle$				
		(TECU)	-				

8. Select Program to update the **EMS** with the latest software.



	Date	Expiration	Release	Page
	07.2017	N/A	1	5(9)
Programming	options			
Update control Reload control	l unit with lates I unit with exist			

9. Certain conditions must be met to continue with programming: battery voltage above 10v, parking brake applied, and ignition key in ON position with engine not running. When all conditions have been met, click Continue to proceed with programming.

1	+ > 10 V	12.7 V	\bigcirc
2 🕷	P) <mark>>(</mark> P) <	=(P)=	
3 or	= 0 rpm	0 rpm	\checkmark
17	00-08-03-39 Progra	m control	unit - Update software
Au	tomatically checked	conditions	
1	Battery voltage above 10 V		
2	Parking brake applied		
3	Ignition key in ON position.	Engine not runnir	ng

10. Select "I accept" to agree to the terms and press continue to proceed. **Note:** In the United States and Canada, the programing is NOT chargeable. An invoice will not be generated.



	Date	Expiration	Release	Page
	07.2017	N/A	1	6(9)
1700-08-03-39 Program contr	rol unit - Update so	ftware		
The following control units will be programme	ed			
Engine Control Module (EMS)				
Chargeable programming				
The software you are about to program is cha an invoice will be generated.	argeable. If programming is pe	erformed using the software,		
Programming will be charged once even if mi	ultiple retries are needed.			
The software has commercial part number				
85136079 : Engine Control Module				
The number can be used for price lookup in y	our local system and will be s	specified on the invoice.		
laccept				
Taccept				
Select I accept to agree to the terms Press Co	ontinue to proceed			

11. If the software is already updated, this screen opens. Select Yes to reload existing software.

				1700-03-03-39 Program Electronic Control Unit - Update softwar
Programming Staps Reading out transferable parameters from selec	ded El+dronic Cont	ol Unite		The following Electric Carbol Units will be programmed Senicial Fiel galantidae
	Confirmat	ion		×
Editoring software part numbers Transferred notware transpersial systems	4	Reload so There are n Unit		updates for the selected Electronic Control
Topling programming speed Programming Electronic Control Lanks		121121	l lo reload l	he existing software?
Programming completed				Yes No
				47
				Continue - Can

12. When the programing is complete, clear any diagnostic trouble codes (DTC) and Finish Work.

NOTE

Use a campaign completion label (85152363) to signify that the campaign has been completed, use a permanent type marker to write the recall number, the completion date (*MM/DD/YYYY*) and dealer code on the label. The label is to be applied to the <u>inside of the Front Junction Box door</u> of all Prevost

EC0017A

	Date	Expiration	Release	Page
	07.2017	N/A	1	7(9)
and Volvo 9700 vehicles as shown in the illustrations.				

H3 Х3 6 CAMPAIGN COMPLETION LABEL COMPLETION DATE MM/DD/YYYY BRANCH DEALER CODE RECALL NUMÉRO E RAPPE ECXXXX DATE D'EXÉCUTION MM/JJ/AAAA SUCCURSALE LABEL **VOLVO 9700** 85152363

NOTE

A Certificate of Emissions Recall Completion is also provided at the end of this bulletin. Fill in the appropriate information and give the certificate to the customer/owner of the vehicle.

Date	Expiration	Release	Page
07.2017	N/A	1	8(9)

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevost's normal warranty. We will reimburse you 3/4 hour (0.75) of labor upon receipt of a warranty claim. Please submit claim via our Online Warranty System, available at <u>www.prevostcar.com</u> (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Warranty Bulletin EC0017A ".

OTHER

VBC Bulletin	N/A	Access all our Service Bulletins on	init-karn
Fail Code	06.27-2	http://techpub.prevostcar.com/en/	- 뭐까?!!
Defect Code	49	or scan the QR-Code with your smart phone. E-mail us at technicalpublications_prev@volvo.com and type	- 93%,433
Syst. Cond	R	"ADD" in the subject to receive our warranty bulletins by e-mail.	
Causal Part	3092091		Tell se And

Prevost engages in a continuous program of testing and evaluating to provide the best possible product. Prevost, however, is not committed to, or liable for updating existing products.



Date	Expiration	Release	Page
07.2017	N/A	1	9(9)

CERTIFICATE OF EMISSIONS RECALL COMPLETION (should be kept in vehicle).

	Make	Year Model	Body Type	Vehicle Identification Number
lanufacture		Recall	Number:	
The above de Related Reca				d, modified to address the Emissions
Branch/Deale	er's	/	Address, City	v, State/Province
	ianature			
Authorized S				