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REVISION B: THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.

Hold lifted. All vehicles programmed before January 20th, 2014 must be updated with the latest release. **EMS & ACM SOFTWARE UPDATE**

9700 (B13R)

APPLICATION

Verify vehicle eligibili SYST	NOTICE TO S ty by checking warrant EM available on Servio	SERVICE CENTERS y bulletin status with SAP or via ONLINE WARRANTY ce / Warranty tab of Prevost website.
Model	VIN	
Volvo 9700 B13R Model Year : 2013- 2014	From 3CET	2S226 D 515 6182 , up to 3CET2S224 E 516 3729 incl.
This bulletin does not necess before delivery. The owners of Identification Number (VIN) of	sarily apply to all the abo of the vehicles affected b each vehicle concerned.	ve-mentioned vehicles, some vehicles may have been modified by this bulletin will be advised by a letter indicating the Vehicle

DESCRIPTION

Software updates with enhancements are available for the EMS and aftertreatment control module (ACM) for the vehicles affected by the bulletin.

All vehicles require a DPF Service Regeneration and Crystal Sublimation when programming is completed.

Software updates are to resolve the following diagnostic trouble codes (DTC).

- DTC P1086, Oil Level Moderately Low, low oil level light coming on during start up
- DTC P0420, NOx Catalyst: Missing SCR, catalyst system efficiency below threshold
- DTC P205B, Aftertreatment Diesel Exhaust Fluid (DEF) Tank Temperature Sensor: Rationality Low
- DTC P2002, PM Filter Efficiency Monitor, aftertreatment diesel particulate filter (DPF) efficiency fault

MATERIAL

No parts required for the bulletin.

REQUIRED TOOLS

Premium Tech Tool version 2.02.55 or

higher Diagnostic Connector 88890304

Communication Interface 88890300 with firmware 1.12.0.2 or higher

Check Premium Tech Tool version by clicking on Help tab and then click on "About TechTool".



DANGER

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PROCEDURE

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Park vehicle safely, apply parking brake and stop engine prior to working on the vehicle.

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.

- 1. Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheels, and placing the transmission in neutral.
- Connect Premium Tech Tool (PTT) to the vehicle diagnostics 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
- 6. From the Main Menu select Program and then Program Control Unit 1700-08-03-39. Then click Start.

Tech Tool					44	
Tech Tool	Links	Help				
Product	Proc	duct History	Diagnose	Test	Calibrate	Program
Prog Select a	r am n opera	tion and click S	Start			
17026	6-3 Prog	ram control un	iit			
17030)-3 Para	imeter, prograr	nming			
17054	I-3 Acce	essory kit				
17091	1-3 Cam	ipaign				
17092	2-3 Repl	lace control un	it			
17093	3-3 Prog	ram with store	d software			
1709	5-3 Hand	dle component	t			
28912	2-3 Crea	ite engine labe	el l			
38114	I-3 Char	nge language				
38374	4-3 MID1	140 Odometer	programming			

7. Select Campaign from the list. For this campaign, update the engine control module (EMS) and aftertreatment control module (ACM).

Contract Tech Tool

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			📑 Bjarne Larsen
Maidcom	VBC Remote		
ł	17091-3 Campai	gn	
s	Select a campaign in the lis	and click Program to run the campaign	

	17091-3 Camp	baign	
Programming steps	Select a campaign in th	e list and click Program to run the car	mpaign
	Campaign ID	Description A	Affected Control Units
Retrieving software part numbers	S6262	EMS AND ACM software up	date node 2.1.0
	S6262	EMS AND ACM software up	date node 1.1.0
Reading out transferable parameters from affected control units			
Downloading software from central systems			
Downloading soltware noni ceritial systems			
Programming control units	:		
Programming completed			
			Program > Cancel

- 8. Select Campaign to update the control unit with the latest software.
- 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.



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11. Program is now ongoing

ch Tool Links Help		🐴 Bjarne Larsen
roduct Product History Diagnose Test Calibrate Program Impact Mai	dcom VBC Remote	
Programming steps Retrieving software part numbers Reading out transferable parameters from affected control units 54%	17091-3 Campaign Simulation The following control units will be programmed Engine Management System (EMS)	
Downloading software from central systems		
Programming completed		
		Continue > Cancel

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Note: Engine hours will be lost once modules have been programmed.

C Tech Taol	
Tech Tool Links Heb	
Product Product History Diagnose Test Calibrate Program Impact	
Test Select an operation and click Start	2545-08-03-03 Diesel Particulate Filter Service Regeneration
Set by function.	To run the operation in simulation mode select Run as simulated
2 2-Engine, Engine mounting and equipment 2 20 - General	
# 21 - Engine # 22 - Lutincation and Oil System	Purpose
⇒ 23 - Fuel system ⇒ 25 - Inlet and exhaust system	 Perform a service regeneration (DPF) Check that the regeneration functions property
2500-08-03-02 Intake manifold pressure (IMP). Test drive 2500-08-03-03 Response, fest drive	Date interes
2500-08-03-05 Intake and exhaust system, check	Gentley
2530-08-03-02 Engine Brake Function	This operation is used to perform a "service regeneration" of the diesel particulate filter (DPF)
2545-08-03-04 Exhaust Attertreatment System Logged Data	Operation may take approximately 20 - 30 minute(s) to complete
2551-08-03-02 Variable Geometry Turbo Function	
2530-08-03-03 Warm-Hold Function	
2545-08-03-02 Exhaust Attertreatment Diagnostics	

13. Review the advisories, check the box and click on Continue.

Ensure that the vehicle is in a suitable place outdoors. The e by high temperature. If the exhaust is directed towards the gr damage to the surface, or if possible position the vehicle on A fire-extinguisher should be accessible in case of fire. Vehicles equipped with an exhaust aftertreatment system ge particulate filter. If regeneration might occur while working wit that could be damaged by high gas temperatures. Also, do n hoses are not designed to handle high temperatures. Failur overheating nearby structures or components resulting in a fi	exhaust outlet must not be directed towards anything that could be damaged ground it is recommended to soak the ground below with water to prevent in gravel surface. Ensure that the exhaust is not near flammable material. CAUTION renerate high exhaust gas temperatures during regeneration of the diesel with the vehicle, ensure that the exhaust outlet is not directed toward anything not connect an exhaust vent those to the vehicle since most exhaust vent
Ensure that the vehicle is in a suitable place outdoors. The e by high temperature. If the exhaust is directed towards the gr damage to the surface, or if possible position the vehicle on A fire-extinguisher should be accessible in case of fire. Vehicles equipped with an exhaust aftertreatment system ge particulate filter. If regeneration might occur while working wi that could be damaged by high gas temperatures. Also, do in hoses are not designed to handle high temperatures. Failur overheating nearby structures or components resulting in a fi	exhaust outlet must not be directed towards anything that could be damaged ground it is recommended to soak the ground below with water to prevent in gravel surface. Ensure that the exhaust is not near flammable material. CAUTION generate high exhaust gas temperatures during regeneration of the diesel with the vehicle, ensure that the exhaust outlet is not directed toward anything not connect an exhaust vent those to the vehicle since most exhaust vent
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Vehicles equipped with an exhaust aftertreatment system ge particulate filter. If regeneration might occur while working wi that could be damaged by high gas temperatures. Also, do n hoses are not designed to handle high temperatures. Failur overheating nearby structures or components resulting in a t	CAUTION
Vehicles equipped with an exhaust aftertreatment system ge particulate filter. If regeneration might occur while working wi that could be damaged by high gas temperatures. Also, do n hoses are not designed to handle high temperatures. Failur overheating nearby structures or components resulting in a t	penerate high exhaust gas temperatures during regeneration of the diesel with the vehicle, ensure that the exhaust outlet is not directed toward anything not connect an exhaust vent hose to the vehicle since most exhaust vent
	ire to follow this warning may result in high temperature exhaust gases if fire.
$\frac{\pi}{2}$) have read and understand the above advisory	

14. When all conditions are met, check the confirmed box and click on Continue.

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(P) (P) (P) (P)	2545-08-03-03 Diesel Particulate Filter Service Regeneration
$2 \bigcirc 0 \longrightarrow 0$	Automaticanty create appled 9 Parting brane appled 9 Bighten may to Big parties Engine running 9 Bighten may read position brane 8 6 Mary Last control from suit 9 Gen seedon minuter position 9 Vehicle subforms in a suitable area 1 Vehicle subforms in a suitable area

15. When regeneration is complete, allow engine to idle until high exhaust system temperature (HEST) light goes off.



High Exhaust System Temperature (HEST)

16. When the HEST light goes off, select Test from the Main Menu. Select 2585-11-03-03 SCR, Diesel Exhaust Fluid, Crystal Sublimation and click on Start.

Note: Start the Crystal Sublimation process within 2 minutes of engine coming back to idle.

Test Select an operation and click Start	2585-11-03-03 SCR, Diesel Exhaust Fluid, Crystal Sublimation
Sort by function group	To run the operation in simulation mode televit Run as pirtuilated.
E behann Mansachmed 2545-09 of 530 primal metricitation filling statution 2545-09 of 510 primal metricitation filling statutions 2545-09 of 50-00 primal metricitation filling statutions 2559-09 of 50-00 primal metricitation for statution (SCRIC) statution	To run The generation with recorded values allest finality recorded interes
2589-08-03-05 9CR System Drain	Purpose
2584-09-03-01 SCR System, target having 2559-09-03-03 NOX Conversion Boot: Inadia	Pedram DEF crystal sublimation Description
÷ Brows E Cali 4: Dener Mertica	Under detain organisational, find SCR catalost may tection tables with DEP crystals. These deposits develop when that DEP is injudied in cold did, cores in which TA SCR catalogit breach contracts the proper temperative needed for categories attack or the crystallication what incoming generits that that individue cores are into dis promit arguing experiant, minal integrations that organisation are acaded.
+ Engine ClobalFreduct	Operation may take approximately 45 minute(a) to complete
Lighting system	This operation should only be used when relemed by service information, Gluoid Disignatics or Technical Support

17. Review the advisories, check the box and click on Continue.

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Information >> Conditions >> Execution		
	1 WARNING	
Ensure ti damage prevent c material A fire-ext	hat the vehicle is in a suitable place outdoors. The exhaust outlet must not be directed towards anything that could be I by high temperature. If the exhaust is directed towards the ground it is recommended to soak the ground below with water to lamage to the surface, or if possible position the vehicle on gravel surface. Ensure that the exhaust is not near flammable nguisher should be accessible in case of fire.	
	CAUTION	
Vehicles particula that coul hoses ar overheat	equipped with an exhaust aftertreatment system generate high exhaust gas temperatures during regeneration of the diesel le filter. If regeneration might occur while working with the vehicle, ensure that the exhaust outlet is not directed toward anythin d be damaged by high gas temperatures. Also, do not connect an exhaust vent hose to the vehicle since most exhaust vent e not designed to handle high temperatures. Failure to follow this warning may result in high temperature exhaust gases ing nearby structures or components resulting in a fire.	

18. When all conditions are met, check the confirmed box and click on Continue.

	2585-11-03-03 SCR, Diesel Exhaust Fluid, Crystal Sublimation
$2 \underbrace{0}_{0n} \underbrace{0} > 400 \text{ rpm}}_{0n} \underbrace{0}_{0n} \underbrace{602 \text{ rpm}}_{0n} \underbrace{0}_{0n}$ $3 \underbrace{1}_{0n} 2 \underbrace{1}_{0$	

19. When sublimation is complete, allow engine to idle until HEST light goes off.



High Exhaust System Temperature (HEST)

20. Clear any diagnostic trouble codes (DTC) and Finish Work.

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PARTS / WASTE DISPOSAL

DO NOT RETURN THE REPLACED PARTS. 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 two hours (2 h) of labor upon receipt of a warranty claim.

Please submit claim via our Online Warranty System, available at www.prevostcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Warranty Bulletin WB13-85".

OTHER

VBC Bulletin	S6262
Fail Code	01.00-2
Defect Code	49
Syst.Cond.	В
Causal Part	3092091

Access all our Service Bulletins on http://prevostparts.volvo.com/technicalpublications/en/pub.asp

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