

Service Program Trucks

DateGroupNo.ReleasePage3.2013**28403601**1(9)

Software Update OBD2013, D11H, D13H, D16H VHD, VN

SP 284-036, Software Update

(March 2013)

Information

Software updates with enhancements are available for the Engine Control Module (ECM), Instrument Cluster (IC), Vehicle Electronic Control Unit (VECU), Aftertreatment Control Module (ACM) and Transmission Electronic Control Unit (TECU), if equipped.

Note: A Diesel Particulate Filter Service Regeneration is required when programming is complete.

Required Tools

Premium Tech Tool version 2.01.20 or higher

Diagnostic Connector 88890034

Communication Interface 88890300 with firmware 1.12.0.2 or higher

Procedure

▲ DANGER

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 Verify service program eligibility by checking service program status in eWarranty.
- 2 Connect Premium Tech Tool (PTT) to the vehicle diagnostics connector using the 16 pin OBD cable 88890034 and Communication Interface 88890300. Connect the PC to a functional LAN or modem connection and a 120 Volt AC source (do not use intermediate storage).
- 3 Turn the ignition switch "ON".
- 4 Log in to PTT and Identify Vehicle is displayed.

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	2(9)

5 Once the vehicle has been identified, enter the Work Order Number information, then click Start Work.

Work Order Number	
Enter a work order	number or select a recently used work order number in the list.
Enter work order	number:
Select a recently	used work order:
Work Order No	User ID Date
Enter Notes:	
	Start Work Cancel

W2079940

6 From the Main Menu select Program and **then** Program Electronic Control Unit 1700-08-03-39. Then click Start.



Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	3(9)

7 Select an electronic control unit from the list.

ech lool	Links	Help					
Product	Proc	duct History	Diagnose	Test	Calibrate	Program	Impact
Select an	Electror	nic Control Unit					
Control Un	it						
nformation	display	(MID 140)					
ehicle EC	U (MID 1	144)					
Radio (MID	206)						
Gear Select	tor ECU	(MID 223)					
ftertreatme	ent Cont	trol Module (AC	M)				
Engine Cor	ntrol Mo	dule (EMS)					
ranamiaai	ion ECU	(TECU)					

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	4(9)

8 Select Program to update the electronic control unit with the latest software.

700-08-03-39 Program Electronic Control Unit	
rogramming Options	
Opdate Electronic Control Unit with latest software	
Reload Electronic Control Unit with existing software	
Program software for development products	

- W2079942
- 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.

	1700-08-03-39 Program control unit - Update software
1 📑 > 10 V 12.7 V 🚫	
2 ((P) ≥ (P) ≥ (P) ≥ (Automatically checked conditions 1 Battery voltage above 10 V
3 🚱 🎧 = 0 rpm 🤷 0 rpm 📀	2 Parking brake applied Jignition key in ON position. Engine not running

W2080113

10 When programming is complete, click Exit to return to Main Menu to program the next control unit.

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	5(9)

- 11 For this campaign, update the Engine Control Module (EMS), Information display (MID 140), Aftertreatment Control Module (ACM), Vehicle ECU (MID 144) and if vehicle is equipped with I-Shift transmission, Transmission ECU (TECU).
- 12 Once TECU programming is complete, select Calibrate from the Main Menu. Select 4320-07-03-01 Transmission and clutch, pulling position and click on Start

Droduct Droduct History Diagnose Test Calibrate Program Impact	
Calibrate Select an operation and click Start Set by function	4320-07-03-01 Transmission and clutch, pulling position
1 - Service and maintenance 2 - Engine, Engine mounting and equipment 3 - Electrical system and instruments 4 - Transmission 4111-07-03-04 Clutch engagement point	Purpose Calibrate the clutch, the transmission and the engagement point
4320-07-03-01 Transmission and clutch, pulling poellion 4000-07-03-01 Clutch stoke length and wear 4000-07-03-02 Transmission 5 - Brakes 6 - Adles, suspension and steering 7 - Frame, springs, shocks and wheels 8 - Body, cap and interior 9 - Miscellaneous	Calibration must be carried out when: Calibration base has been replaced Calibration has been reprived When one ore more of the following control units has been reprogrammed. TECL Calibration can only be performed when the transmission is installed in the product

W2079944

13 If vehicle is equipped with a Body Builder Module (MID 249), select 1700-22-03-03 Parameter, programming.

h Tool	Links Help							
oduct	Product H	istory	Diagnose	Test	Calibrate	Program	Impact	
Progr	am							
Select a	n operation and	d click Sta	irt					
1700-	08-03-39 Prog	am Elect	ronic Control U	nit				
1700-	22-03-03 Para	meter, pro	gramming					
1700-	22-03-28 Acce	ssory Kit						
1700-	22-03-12 Repl	ace Electr	onic Control Ur	nit				
1700-	22-03-13 Prog	ram with S	Stored Software					
1700-	08-03-40 Hand	lle Compo	onent					
			Labol					

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	6(9)

14 Change parameter AHY to 10 km/h and parameter CEC to 30 km/h.

Tech To	ool Links Help						
Produ	ct Product His	tory Diag	inose	Test	Calibrate	Program	Impac
1700	-22-03-03 Par	rameter P	rogra	mmin	g		
1700 Param	-22-03-03 Par eters to be Program	rameter P	rogra	mmin	g		
1700 Param	-22-03-03 Par eters to be Program Name	rameter P med Old	rograi _{New}	mmin _{Unit}	g Commercial P	art Number	
1700 Param ID CEC	eters to be Program Name Limit value for RSL3	rameter P Imed 3 20	New 30	mmin Unit km/h	g Commercial P	art Number	

W2080064

15 When programming is complete, select Test from the Main Menu. Select 2545-08-03-03 Diesel Particulate Filter Service Regeneration and click on Start.



Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	7(9)

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

	2545-08-03-03 Diesel Particulate Filter Service Regeneration					
İ						
	Ensure that the vehicle is in a suitable place outdoors. The exhaust outlet must not be directed towards anything that could be damaged by high temperature. If the exhaust is directed towards the ground it is recommended to soak the ground below with water to prevent damage to the surface, or if possible position the vehicle on gravel surface. Ensure that the exhaust is not near flammable material. A fire-extinguisher should be accessible in case of fire.					
	Vehicles equipped with an exhaust aftertreatment system generate high exhaust gas temperatures during regeneration of the diesel particulate filter. If regeneration might occur while working with the vehicle, ensure that the exhaust outlet is not directed toward anything that could be damaged by high gas temperatures. Also, do not connect an exhaust vent hose to the vehicle since most exhaust vent hoses are not designed to handle high temperatures. Failure to follow this warning may result in high temperature exhaust gases overheating nearby structures or components resulting in a fire.					
	I have read and understand the above advisory					
	Continue > Cancel					

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	8(9)



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

18 When regeneration is complete, clear any diagnostic trouble codes and Finish Work.

Volvo Trucks North America	Date	Group	No.	Release	Page
Service Program	3.2013	284	036	01	9(9)

Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.			
Claim Type (used only when uploading from the Dealer Bus. Sys.)	В		
Recall Status			
Vehicle inspected, repair not required	1- Inspected OK		
Vehicle repaired per instruction	2- Modified per instruction		
Labor Code			
Primary Labor Code	28437-0-02 — 3.0 hrs.		
Time to take charge and determine campaign status	17003–0–0 — 0.3 hrs.		
Causal Part	3092091		
Authorization Number	SP284036		
Expiration Date	31-MAY- 2013		

Note: Take Charge Time is not included in the Labor Code for this operation. Take charge may be eligible but can only be used once per repair visit. If vehicle is having other warranty repairs performed, take charge should be charged to the warranty repair, otherwise take charge can be charged to this service program.