

Volvo Remote Diagnostics

The following repairs are to address the following faults on US2014 and US2015 emissions level trucks:

			Possible (Observable)
DTC	Description	Possible Cause	Symptoms
P2084-64	Exhaust Gas Temperature Sensor - Post-DOC Rationality Check	Adjustment needed to logic used on the software monitor	٢

Notes:

• This procedure is to update Engine Control Module to the latest available software

Required Tools:

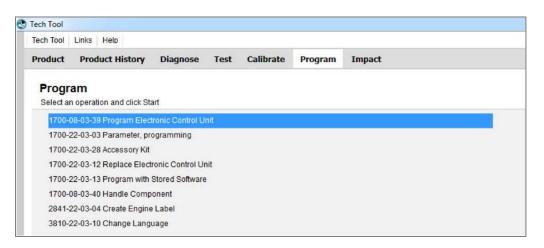
- 1. Premium Tech Tool version 2.03.79 or higher
- 2. Diagnostic Connector 88890304
- 3. Communication Interface 88890300 with firmware 1.12.0.2 or higher

Repair Instructions:

- 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.
- 2. Turn the ignition switch "ON".
- 3. Log in to PTT and Identify Vehicle is displayed. Once the vehicle has been identified, enter the Work Order Number information. Then click *Start Work*.

Enter a work order r	number or select a recently	y used work order number in the lis
Enter work order		
Select a recently	used work order:	
Work Order No	User ID Date	
Enter Notes:		
		Start Work Cancel

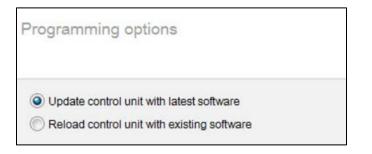
4. From the Main Menu select *Program* and then *Program Electronic Control Unit* 1700-08-03-39. Then click *Start*.



5. Select the Engine Control Module (EMS) from the list.

ech Tool							
Tech Tool	Links	Help					
Product	Proc	duct History	Diagnose	Test	Calibrate	Program	Impact
Select an	Electron	nic Control Unit					
Control Un	it						
nformation	display	(MID 140)					
/ehicle EC	U (MID 1	144)					
Radio (MID	206)						
Gear Selec	tor ECU	(MID 223)					
Aftertreatme	ent Cont	trol Module (ACI	N)				
Engine Cor	ntrol Mod	dule (EMS)					
Fransmiss	ion ECU	(TECU)					

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



7. 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
$1 \xrightarrow{} > 10 \vee 12.7 \vee 2 (P) \xrightarrow{} (P$	Automatically checked conditions
3 💽 💦 = 0 rpm 🧼 0 rpm 🏹	Battery voltage above 10 V Parking brake applied Ignition key in ON position. Engine not running

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

Programming Steps Reading out transferable parameters from selected Electronic Control Units		The following Electronic Control Units will be programmed Vehicle ECU (MID144)		
Retrieving software part numbers	Confirmation	×		
Downloading software from central systems festing programming speed	Unit	updates for the selected Electronic Control the existing software?		
Programming Electronic Control Units		Yes No		
Programming completed				

9. When all programming is complete, clear any diagnostic trouble codes (DTC) and Finish Work.

Reimbursement:

This repair is covered by an authorized Service Program. Reimbursement is	UCHP Reimbursement	eWarranty Reimbursement	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W	W	
Labor Code			
Primary Labor Code	2841–22–02–04 / 0.4 hrs	28403-0-01 / 0.4 hrs	
Causal Part	3092091	3092091	
Parts Disposition	N/A	N/A	
SCC Code	N/A	N/A	
AuthorizationNumber	N/A	N/A	
Expiration Date	N/A	N/A	