



Mack Trucks, Inc.
Greensboro, NC USA

Field Service Bulletin Trucks

This Field Service Bulletin replaces bulletin, "Engine Control Module (ECM) Software Update", PV729-FSB284-040_M (USA56962) dated (12/2012).

Date	Group	No.	Release	Page
8.2013	284	040	02	1(3)

Engine Control Module (ECM) Software
Update
LEU, MRU
MP7 EPA2010

SB-10054292-5095

FSB 284-040, Engine Control Module (ECM) Software Update

(August 2013)

Information

Diagnostic Trouble Code (DTC) SPN 4094 FMI 18 and SPN 5246 FMI 0 can log in certain chassis applications that load the engine during idle conditions on LEU and MRU (MP7 EPA2010) trucks built between 01/01/2010 and 12/16/2012. Typical applications include but are not limited to chassis with Automated Side Loader (ASL) and Automated Front Loader (AFL) type bodies. If SPN 4094 FMI 18, SPN 5246 FMI 0 DTCs and NO other faults are present under the conditions described in this bulletin, the DTCs may be corrected by updating the MID 128 Software.

Note: This bulletin does not apply to MACK Trucks Australia.

ECM Software Update		
Dataset 2	Less than 22089367 with no other faults	Reprogram MID 128
Dataset 2	Equal to or greater than 22089367	Follow Guided Diagnostics (GD)

Required Tools

Premium Tech Tool version 1.12.321 or higher

Communications Cable 88890154 or 88890034

Communications Adapter 88890020 or 88890180 with firmware 1.21.0.0 or higher

Procedure

You must read and understand the precautions and guidelines in Service Information, group 2, "General Safety Practices, Engine" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



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 Connect Premium Tech Tool (PTT) to the vehicle diagnostic connector using the 9 pin diagnostic communications cable 88890154 or 88890034 and communications adapter 88890020 or 88890180. Connect the PC to a functional LAN network connection and a reliable power source (the Intermediate Storage function may be used for the programming part of this procedure if necessary).
- 2 Turn the ignition switch "ON".
- 3 Log in to PTT and proceed to the Identification of Vehicle/Machine panel.
- 4 Once the vehicle has been identified and selected, start VCADS Pro.
- 5 Enter the job card information.
- 6 From the VCADS Pro Operations Menu select:
 - a. 1 – Service and Maintenance
 - b. 1700-21-03-02 – Fault Codes
- 7 Record all fault codes logged.
- 8 From the VCADS Pro Operations Menu select:
 - a. 1 – Service and Maintenance
 - b. 1700-08-03-03 – Vehicle Information test

Note: If Dataset 2 is equal to or greater than 22089367, continue with Guided Diagnostic (GD) fault tracing.

Note: If Dataset 2 is less than 22089367, Reprogram MID 128 and release the chassis if no other engine fault codes are logged. If other fault codes are logged, diagnose these codes using GD, correct the cause(s), reprogram the MID 128, and release the chassis.

Note: If codes are logged other than the ones described in this bulletin, do not clear them or reprogram MID 128 until the codes are diagnosed using GD

Note: If reprogramming is required, continue:

- 9 From the VCADS Pro Operations Menu select:
 - a. 2 - Engine, Engine Mounting and Equipment
 - b. 2841-22-03-03–MID 128 ECU, programing
 - c. Reprogram control unit with complete software package.

Note: If you lose power or your LAN/modem connection during programming you will need to start programming over from the beginning.

- 10 After programming is complete clear all fault codes, shutdown Premium Tech Tool and disconnect communications interface from vehicle.

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01
Labor Code	
Primary Labor Code	2303N-36-80 0.4 hrs.
Causal Part	3092091

MACK Trucks North America engages in a comprehensive program of testing and evaluating to provide the best possible product. MACK Trucks North America however, is not committed to, or liable for updating existing vehicles.