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Engine Control Module (ECM) Software
Update
MP10 US07
TD

SB-10054475-4671

PI0828, Engine Control Module (ECM) Software Update

(September 2013)

Information

Software updates with enhancements to Peak Cylinder Pressure (PCP) balance capabilities are available for the engine control module (ECM) on MACK TD vehicles equipped with MP10 engine and US07 emissions.

Required Tools

Premium Tech Tool version 2.02.50 or higher or version 1.12.420 or higher

Diagnostic Connector 88890302 or 88890304

Communication Interface 88890300 or 88890020 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.

Note: Information is subject to change without notice.

Illustrations are used for reference only and may differ slightly from the actual engine version. However, key components addressed in this information are represented as accurately as possible.

You must read and understand the precautions and guidelines in Service Information, Function Group 20, Engine Safety Practices, before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- 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 or park.
- 2 Verify service program eligibility by checking service program status in eWarranty.
- 3 Connect Premium Tech Tool (PTT) to the vehicle diagnostics connector using the 9 pin connector 88890034 and Communication Interface 88890020 or 9 pin connector 88890302 and Communication Interface 88890300. Connect the PC to a network connection and a 120 Volt AC source.
- 4 Turn the ignition switch "ON".
- 5 Log in to PTT and Identify Vehicle is displayed.

- 6 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
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Enter Notes:

Start Work Cancel

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- 7 From the Main Menu select Program and **then** Function Group 2, MID128 ECU Programming. Then click Start.
- Note:** The steps in this bulletin reflect the content in PTT 2.02.45. PTT 1.12.420 is similar.
- 8 Select Reprogram control unit with complete software package.
- 9 Certain conditions must be met to continue with programming. When all conditions have been met, click Continue to proceed with programming.
- 10 When programming is complete, click Exit to return to Main Menu.
- 11 Clear any diagnostic trouble codes (DTC) and Finish Work.

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.)	41
Recall Status	
Vehicle inspected, repair not required	1- Inspected OK
Vehicle repaired per instruction	2- Modified per instruction
Labor Code	
Primary Labor Code	2304C-16-96 — 0.4 hrs.
Time to take charge and determine campaign status	101AA-0A- 00 — 0.3 hrs.
Causal Part	3092091
Authorization Number	PI0828
Expiration Date	30-JUN- 2014

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.