

Control Module Software Updates
MP7 US2014
LEU, MRU

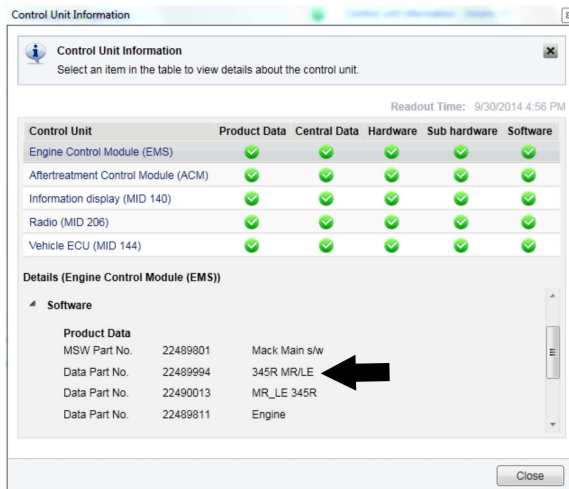
PI0857, Control Module Software Updates

(January 2015)

Information

Software updates with enhancements are available for the engine control module (ECM) for MACK MRU/LEU MP7 engines with US2014 emission level on vehicles built between 1/28/2014 and 11/7/2014. Engine control modules reprogrammed through PI 0854 after 10/6/2014 will have this software correction included and will not require reprogramming again. Check the warranty system for eligibility for this campaign. This software update addresses frequent regeneration complaint.

Only vehicles that have the following engine ECM software dataset part numbers are affected



W2095986

Horsepower Rating	Software Part Numbers with Frequent Regeneration Issue			
325	22329064.P01	22357043.P01	22399206.P01	22489995.P01
345	22329062.P01	22357041.P01	22399204.P01	22489991.P01
	22329063.P01	22357042.P01	22399205.P01	22489994.P01
365	22329061.P01	22357040.P01	22399203.P01	22489988.P01
395	22329060.P01	22357037.P01	22399201.P01	22489985.P01
405	22329059.P01	22357035.P01	22399200.P01	22489984.P01

Required Tools

Premium Tech Tool version 2.03.60 or higher

Vocom Diagnostic Connector 88890304

Communication Interface 88890300

Note: Using other interfaces may affect programming speed.

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

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 VDA.
- 2 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.
- 3 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.
- 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:

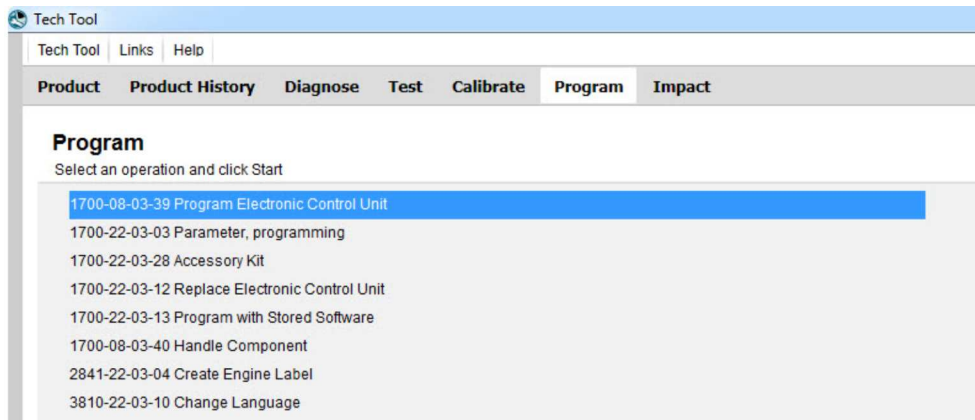
Work Order No	User ID	Date
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Enter Notes:

Start Work Cancel

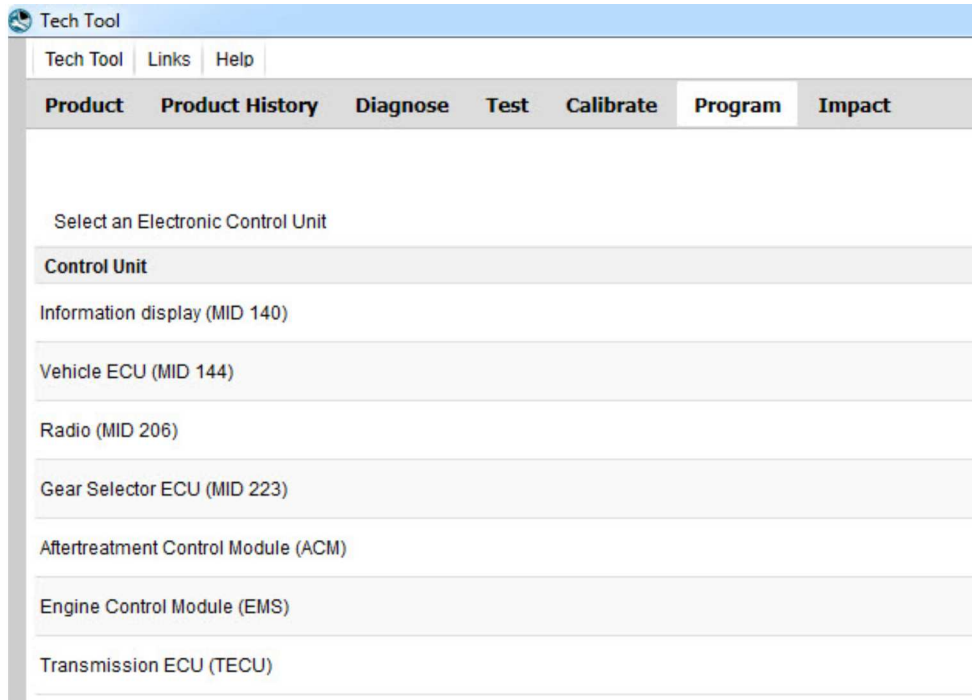
W2079940

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



W2079941

8 Select Engine Control Module (EMS).



W2079943

9 Select Program to update the ECM with the latest software.

Programming options

- Update control unit with latest software
- Reload control unit with existing software

W2085461

10 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			
3	= 0 rpm	0 rpm	

Automatically checked conditions

- 1 Battery voltage above 10 V
- 2 Parking brake applied
- 3 Ignition key in ON position. Engine not running

W2080113

11 Select "I accept" to agree to the terms and press continue to proceed.

Note: In the United States and Canada, the programing is NOT chargeable. An invoice will not be generated.

1700-08-03-39 Program control unit - Update software

The following control units will be programmed

Engine Control Module (EMS)

Chargeable programming

The software you are about to program is chargeable. If programming is performed using the software, an invoice will be generated. Programming will be charged once even if multiple retries are needed.

The software has commercial part number

85136079 : Engine Control Module

The number can be used for price lookup in your local system and will be specified on the invoice.

I accept

Select I accept to agree to the terms Press Continue to proceed

W2085462

12 When all programing is complete, clear any diagnostic trouble codes (DTC) and Finish Work. If the soot load while programming is greater than 80 percent, perform an aftertreatment regeneration and release the vehicle back to the customer.

Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	41	41
Recall Status		
Vehicle inspected, repair not required		1- Inspected OK
Vehicle repaired per instruction		2- Modified per instruction
Labor Code		
Primary Labor Code	2841-22-09-08 0.3 hrs	2304M-46-96 0.3 hrs.
Time to take charge and determine campaign status	1700-16-01-01 0.3 hrs	101AA-0A-00 0.3 hrs
Causal Part	3092091	3092091
Parts Disposition	N/A	N/A
SCC Code	S6563	N/A
Authorization Number	N/A	PI0857
Expiration Date	31 – July – 2015	31 – July – 2015

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.