

Engine Control Module (ECM),
Reprogramming
Cummins ISL
MRU

PI0870, Engine Control Module (ECM), Reprogramming

(August 2016)

Certain MACK MRU trucks built from 01/01/2016 to 07/23/2016, and equipped with a Cummins ISL engine may experience improper operation of the engine cooling fan while the A/C system is in operation. Reprogramming of Multiple Cummins Engine Control Module (ECM) parameters are required to resolve this issue. Follow the repair procedure outlined in this Product Improvement (PI) to reprogram the parameter settings in the ECM.

Note: The Cummins ISL engine parameter reprogramming must be performed at an authorized MACK dealership only.

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

Tools

Cummins INSITE tool.

ECM Reprogramming Procedure

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

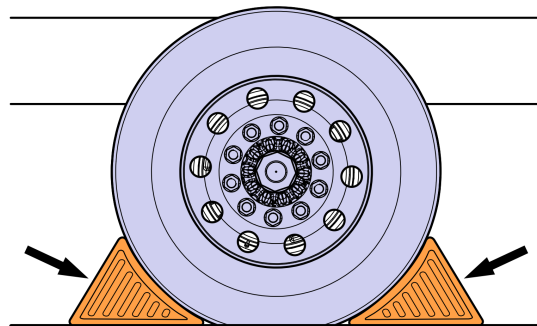


DANGER

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.

Note: Verify Service Program eligibility by checking the Service Program status in Vehicle Data Administration (VDA).

- 1 Park the vehicle on a level surface.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks.



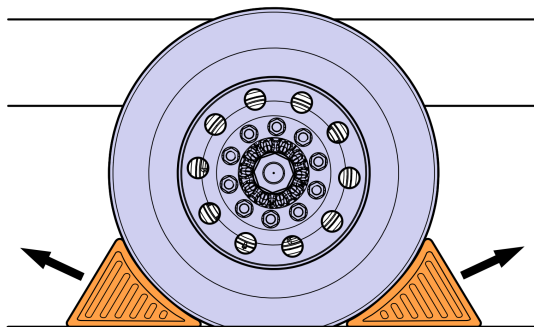
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- 5 Connect to vehicle using Cummins **INSITE**.
- 6 Go to **Feature** and **Parameters**.

- 7 Select these parameters and change them to the settings in the table below.

New Parameter Settings	
Steps	Settings
a	Go to the Fan Control sections
b	Set the Air Conditioning Pressure Switch Input to “Enable”
c	Set Minimum Fan On Time for Air Conditioning Pressure Switch to “60”
d	Then Go to the SAE J1939 Multiplexing Section
e	Set Air Conditioning Pressure Switch to “Enable”
f	Set Source address to “17”

- 8 Save programmable parameters to the ECM.
 9 Ensure all Cooling Fan and A/C functions work correctly after the parameters are changed.
 10 Clear all Diagnostic Trouble Codes (DTCs) and disconnect from **INSITE**.
 11 Remove the wheel chocks.



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This repair will need to be filed as a warranty repair to MACK Trucks for Reimbursement.

Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	B
Recall Status	
Vehicle inspected, repair not required	1- Inspected OK
Vehicle repaired per instruction	2- Modified per instruction
Labor Code	
Primary Labor Code	2841-22-09-10 0.5 hrs
Time to take charge and determine campaign status	1700-16-01-01 0.3 hrs
Causal Part	3092091
SCC Code	S7106
Expiration Date	15-AUG-2017

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.