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10.2017	381	020	01	1(3)

Instrument Cluster Reprogramming (MID
140)
GU

FSB 381-020, Instrument Cluster, Reprogramming (MID 140)

(October 2017)

On certain Mack models built between August 17, 2015 and August 18, 2017, with a Cummins™¹ engine, it may not be possible to request a regen using the cluster stalk switches. This is due to the way the trucks were ordered, automatic regen only and the removal of the "DPF Smart Switch". For most trucks auto regen will be sufficient but for trucks that do short hauls and multiple stops and goes throughout the day the auto only regen may not allow enough aftertreatment cleaning. In order to fix this issue you can change the setup to allow regen requests from the cluster stalk switches by following the procedure below:

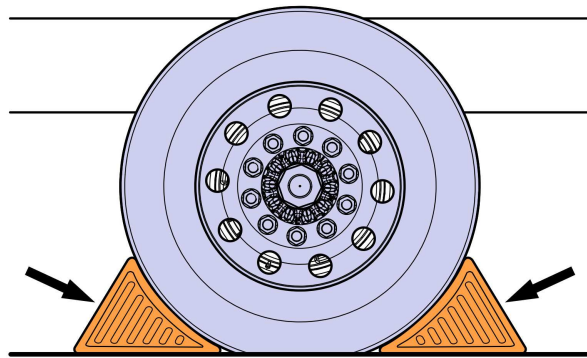
¹Cummins™ is a registered trademark of Cummins Inc.

Repair, Reprogramming Procedure

You must read and understand the precautions and guidelines in Service Information, group 30, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

- 1 Park the vehicle on a flat and 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 the vehicle to Premium Tech Tool.
- 6 Run Accessory Kit 85152252
- 7 Reprogram the Instrument Cluster (MID140).
- 8 Using Premium Tech Tool, under Parameter Programming, change parameter **IBQ** to "**1**" or "**On.**"
- 9 Disconnect the vehicle from Premium Tech Tool.
- 10 Connect the vehicle to Cummins Insite™² diagnostic software tool.
- 11 Under "**Features and Parameters**" expand the "**Aftertreatment**" list.
- 12 Then expand the "**Diesel Particulate Filter**" list.
- 13 Then expand the "**Automotive Mobile Regeneration**" list.

²Insite™ is a registered trademark of Cummins Inc.

14 Find the following options:

1.	Diesel Particulate Filter Regeneration Permit Switch
2.	Diesel Particulate Filter Regeneration Start Switch

15 Set the “**ECM Value**” parameter to “**Enable**” for both of the options listed above.

16 Under the section “SAE J1939 Multiplexing” find the following items and expand the lists.

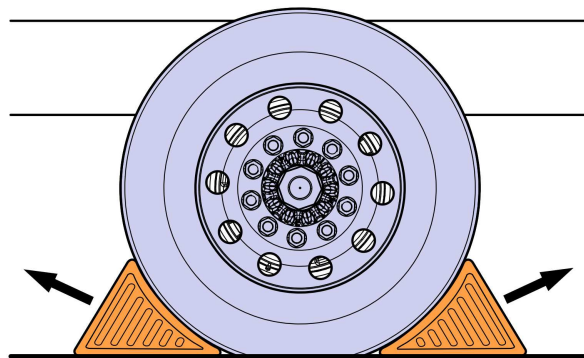
1.	Aftertreatment Regeneration Permit Switch
2.	Diesel Particulate Filter Regeneration Start Switch

17 Set the “**ECM Value**” parameter to “**Enable**” for both of the options listed above.

18 Set the “**Source Address**” to “**23 – Instrument Cluster #1**” for both of the options listed above.

19 Save the settings and disconnect the diagnostic tool.

20 Remove the wheel chocks.



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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.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W
Labor Code	
Primary Labor Code (Instrument Cluster, Reprogramming, MID 140)	3811-22-09-09 0.5 hrs.
Causal Part	22717426, 22717427

VOLVO Trucks North America reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.