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Coding Information

| | | | | | | | |
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|---------------|------------------------|---|----------------------|-----------|----------------------|------------------|----------------------|

Title: Cummins B6.7 & L9 With codes 285 & 286

Applies To: MV, HV

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

04/20/2023- Initial Article release

DESCRIPTION

This document will guide the user through certian vins that received the Cummins ECM software with the AC pressure switch enabled. Cummins codes 285 & 286 can become active with the AC pressure switch enabled.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

| DTC/Light | Description |
|-----------|-------------|
| N/A | N/A |

SPECIAL TOOL(s) / SOFTWARE

| Tool Description | Tool Number | Comments | Instructions |
|---|-------------|----------|--------------|
| EZ-Tech or EST with Cummins Insite software | N/A | N/A | N/A |

SERVICE PARTS INFORMATION

| Kit Description | Part Number | Quantity Required | Notes |
|-----------------|-------------|-------------------|-------|
| N/A | N/A | N/A | N/A |

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

DIAGNOSTIC STEP(s)

1. Bring vehicle into shop.
2. Shift transmission to Park or Neutral, and set parking brake.
3. Turn ignition to Key OFF position.
4. Install wheel chock.
5. Verify the Build date range falls within 10/11/2022 - 12/17/2022
6. If date range falls with in above period verify unit has feature code 0016BAM on service portal.

NOTE:

To find the Feature code use the last 8 of the Vin and enter it into the service portal in the chassis/Vin text box. Locate the components tab and click on the tab. Scroll down to cabs, cowl, and bodies. Look for Feature code 0016BAM.

NOTE:

IF feature code 0016BAM is not present and you have Codes 285 & 286 active go to Iknow [IK1200101](#). If feature code 0016BAM is present continue with repair steps.

REPAIR STEP(S)

7. Connect battery charger / maintainer to vehicle battery.
8. Using NEXIQ USB-Link or NEXIQ USB-LINK™ 2 interface cables, connect to vehicle.
8. Turn vehicle ignition to Key ON, Engine OFF.
10. Launch the Cummins Insite software and connect to the engine ECM.

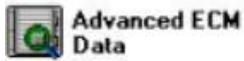


Figure 1. Advanced ECM Data

11. Click on the Button Labeled Advanced ECM (Figure 1).



Figure 2. SAE J1939 Multiplexed Fault Data

12. Click on SAE J1939 Multiplexed Fault Data (Figure 2).



Figure 3. Features and Parameters

13. Click on Features and Parameters Icon (Figure 3)

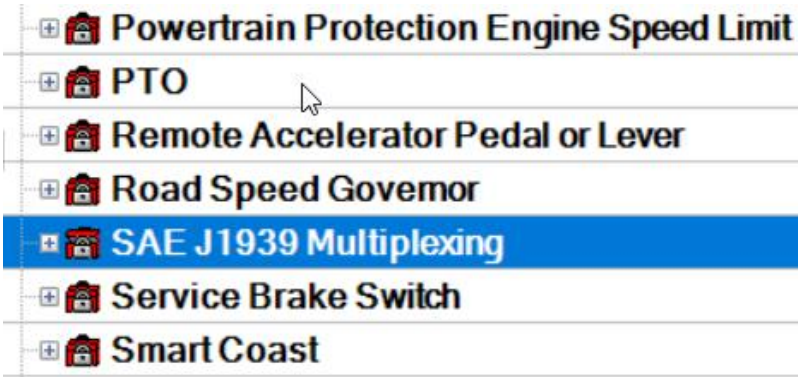


Figure 4. SAE J1939 Multiplexing

14. Click on SAE J1939 Multiplexing and click the + button to expand the list of parameters (Figure 4).

| Features and Parameters | ECM Value |
|---|-----------|
| SAE J1939 Multiplexing | |
| Accelerator Interlock Switch | Disable |
| Accelerator Pedal Or Lever Position | Disable |
| Adaptive Cruise Control Usage Demand Switch | Disable |
| Aftertreatment Regeneration Permit Switch | Enable |
| Aftertreatment Regeneration Start Switch | Enable |
| Air Conditioning Pressure Switch | Disable |
| Auxiliary Shutdown Switch | Disable |
| Clutch Pedal Position Switch | Disable |

Figure 5. Air Conditioning Pressure Switch

15. Search for Air Conditioning Pressure Switch and change the ECM value from enabled to disabled (Figure5).

16. Once the parameter is disabled click the "send to ECM" button on the tool bar or select Sent to > ECM on the right click menu.

Note: All values displayed in the **Original value** column are erased when you send changes to the ECM.

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17. When Parameter has been sent and completed cycle key and verify parameter has been changed.

18. If codes persist to be active refer to [JK1200101](#) for further assistance.

19. Remove wheel chocks.

20. Return vehicle back to service.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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