

 Preview Solution CBR-2465-7

Proactive Engine Restart (Remote Engine Start System) And Hood Open Popup - VN (4) - PR (4) - AN (4)

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Valid For

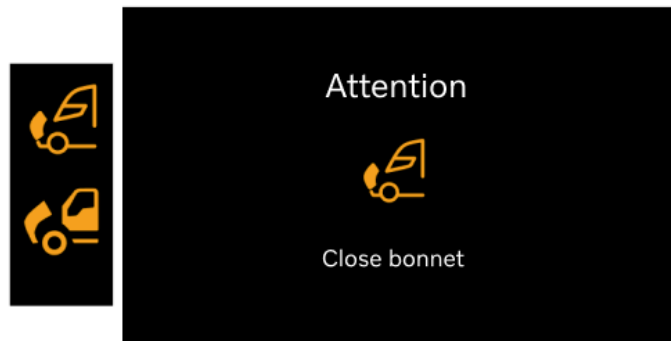
Volvo Chassis- VN (4)

Mack Chassis - PR, AN (4)

Model Year - 2024 to current

The purpose of this CBR is to help diagnosis issues with the Proactive Engine Restart system and Hood Open popup message.

This CBR can also be used for Close bonnet or Hood Open popup troubleshooting. (see picture below)



1. OVERVIEW

1. This CBR pertains to two issues that may arise with the Proactive Engine Restart (Remote Engine Start System)

1. Key Fob Activation Issue:

- **NOTE: ONLY APPLICABLE TO SALES PACKAGE**

H9AC1X

- Remotely starting the engine via the AUX switch on the key fob DOES NOT work

- Lock, unlock, and turning on parking heater via key fob

Does work



1. Flexible Switch Activation Issue:

- The Auto Start/Stop flexible switch (pictured below) does not activate the system – no alert is displayed that the system has been activated.

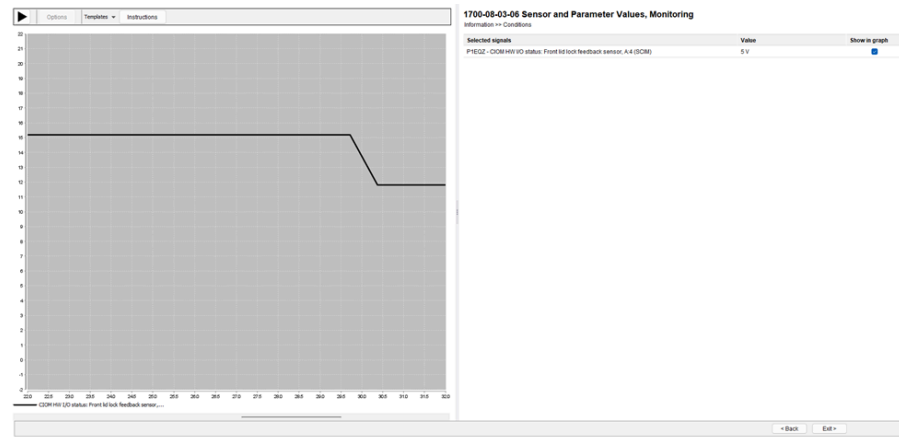


1. PROCESS

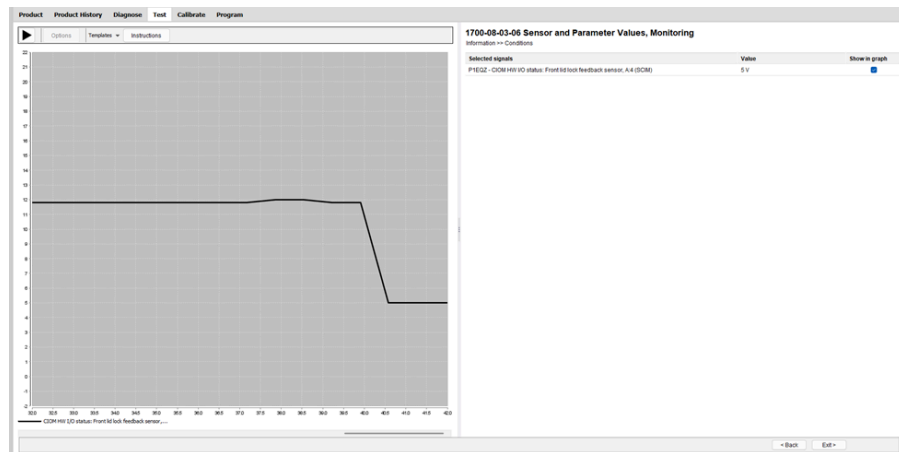
- **Before troubleshooting please perform operation 8213-05-03-02 Hood Latch, Adjustment.**
- To troubleshoot these issues, verify that the 'closed hood' pre-condition for Proactive Engine Restart is met.
 1. To verify correct hood sensor function, use **Sensor and Parameter Values, Monitoring** test in **Premium Tech Tool (PTT)**.
 2. Connect the truck to PTT and navigate to the Test tab.
 3. Select operation **1700-08-03-06 Sensor and Parameter Values, Monitoring**.

- Both latches open: 5.6V

Latches fully close and opening only 1 latch from example above.
Note the voltage drop:



Upon opening the 2nd latch (note the further voltage drop):



These voltage drops as the hood is unlatched indicate the latches are reporting their states to the truck and Tech Tool properly and the hood sensors are functional.

1. TESTING

1. Verify that the Proactive Engine Restart is working correctly – ensure that the following preconditions are met:

1. Test Proactive Engine Restart With Key Fob

- Driver and Passenger doors must be closed
- Hood must be closed
- Fuel level must be above 12.5%
- Park brake must be applied
- Gear lever must be in Neutral position

- Vehicle mode must be in Living or Parked
- Auto Start/Stop flexible switch is NOT ACTIVATED (flexible switch on the left side of the dash is not lit up)
- Once ALL of the above preconditions are met, press and hold AUX button on the key fob for 3 seconds to start the engine.

2. Test Proactive Engine Restart with Flexible Switch

- For vehicles with key and cylinder: insert the key, ensuring that it is in the OFF or Accessory Position
- For vehicles with a key fob and push start: the key fob must be located inside the cab and truck is off.
- Driver and passenger doors must be closed.
- Hood must be closed.
- Fuel level must be above 12.5%
- Park brake must be applied
- Gear Lever must be in Neutral position
- Accelerator pedal must be released
- Once ALL of the above preconditions are met, press the Proactive Engine Start flexible switch to enable the function. A message on the instrument cluster display (picture right) will verify successful activation.



Related links and attachments

No links or attachments available



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