

 Preview Solution CBR-2408-3

Volvo Chassis - All-New VNL, VN (4) - Air Production Modulator (APM) DTC C10129B - High/Excessive Flow

Published 23 January 2025

Valid For

All-New VNL model year 2025

Introduction

This document provides guidance for addressing the APM DTC C10129B fault, "High/Excessive Flow" This fault was introduced by a previous APM software package and requires specific containment actions.

Symptom Description

DTC Code: C10129B

Description: "High/Excessive Flow" – APM (Air Production Modulator)

Cause: The DTC is triggered when the APM software continues to count flow metrics even after the engine is off. This occurs when certain nodes are in a "wake up mode."

This fault is directly linked to the specific software version that was deployed before software campaign 185.

IMPORTANT NOTICE

THIS PROCEDURE IS ONE-TIME USE ONLY!

DO NOT use this procedure to clear future faults.

FOR FUTURE FAULTS, YOU MUST USE GUIDED DIAGNOSTICS!

DO NOT use it more than once.

Failure to comply with these instructions may result in improper diagnosis and incorrect repair actions. Always follow the standard troubleshooting process for any future occurrences.

Corrective Action

Procedure



To address the issue and reset the Air Cartridge Maintenance Interval, perform the following steps:

1. **Run TT operation 5618-07-03-02**

This operation resets the Air Cartridge Maintenance Interval, clearing the false readings caused by the software issue.

2. **Verify DTC Resolution**

After completing the TT operation, verify that the DTC C10129B is no longer active.

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FOR FUTURE FAULTS, YOU MUST USE GUIDED DIAGNOSTICS!

DO NOT use it more than once.

Failure to comply with these instructions may result in improper diagnosis and incorrect repair actions. Always follow the standard troubleshooting process for any future occurrences.

Important Note

This procedure is a **temporary containment measure** specifically for trucks impacted by the earlier APM software issue.

DO NOT apply this procedure for future occurrences of DTC C10129B. For any future occurrences:

- Refer to the **Guided Diagnostics** for troubleshooting steps.
- If further assistance is needed, submit an **eService case** for technical support.

Related links and attachments

No links or attachments available



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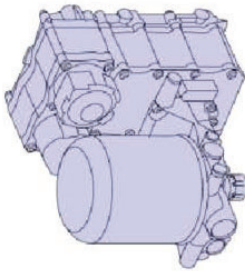
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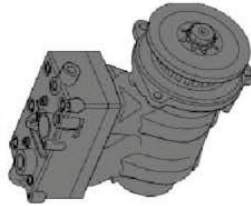
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A177: Air Production Modulator



Compressor



5618-07-03-02 Air Dryer

Information >> Conditions >> Execution >> Result

Purpose

Resetting of the air dryer service parameters, it is also possible to show the remaining service life

Description










Reset must be carried out when

- Compressor have been replaced
- Air leakage has been repaired
- Air dryer cartridge have been replaced

Continue >

Cancel



1	 > 20 V	21 V	
2	 		
3	 = 0 rpm	 = 0 rpm	

5618-07-03-02 Air Dryer

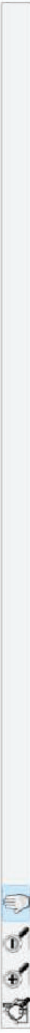
Information >> Conditions >> Execution >> Result

Automatically checked conditions

- 1 Battery voltage above 20 V
- 2 Parking brake applied
- 3 Start/stop button in contact mode. Engine not running

Continue >

Cancel



5618-07-03-02 Air Dryer

Information >> Conditions >> **Execution** >> Result

Information

The "Service life" parameter readout is only valid after at least 10% of the desiccant has been used.

Check the service life to decide if the air dryer cartridge should be replaced as preventive maintenance

Action

1

If the air drier filter cartridge has been replaced the service parameters must be reset by clicking Start

2

If the compressor has been replaced the service parameters must be reset by clicking start

Maintenance status	
90 %	Remaining desiccant
0 km	Remaining service life
--	Compressor air flow

1	Reset, Filter cartridge	
2	Reset, Compressor	
3	Reset, Air dryer cartridge	



5618-07-03-02 Air Dryer

Information >> Conditions >> Execution >> Result







Information

The "Service life" parameter readout is only valid after at least 10% of the desiccant has been used. Check the service life to decide if the air dryer cartridge should be replaced as preventive maintenance

Action

- 1 If the air dryer filter cartridge has been replaced the service parameters must be reset by clicking Start
- 2 If the compressor has been replaced the service parameters must be reset by clicking start

Maintenance status	
90 %	Remaining desiccant
0 km	Remaining service life
--	Compressor air flow

- 1 **Reset, Filter cartridge**  
- 2 **Reset, Compressor**  
- 3 **Reset, Air dryer cartridge**  

Continue >