

**** SOLUTION ****

Title	Diagnostic Trouble Codes (DTC) P205B-64 - Reductant Tank Temperature Sensor Circuit Range/Performance - Model Year 2018 and Newer
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Mack Models

Mack Model	LR , TE - TerraPro , AN - Anthem , GR - Granite , PI - Pinnacle
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Volvo Models

Volvo Model	VN , VNL , VNR , VNX , VAH , VHD
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**** SOLUTION ****

Cause	Guided Diagnostics stops at No Fault Found.
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Solution	If P205B-64 is present as ACTIVE on a DTC readout: 1. Follow the normal steps for Guided Diagnostics (GD) using Premium Tech Tool. 2. If Guided Diagnostics leads to No Fault Found: Replace the sensor. 3. Verify the repair.
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This solution will be updated as more information becomes available.

Internal comments (FO)	The last info I have from Aaron Cool: QJ 1-10729812409 (Protus F302059) P205B. There appear to be at least 2 different causes for P205B faults, the QJ only addresses the P205B faults caused by liquid ingress into the electrical box of the UQLS sensor. Liquid ingress into the electrical box can also cause P205C and P206C codes, so the QJ fix will likely result in a reduction of those codes as well. The other cause of the P205B (and also P24FF) faults is due to a high temperature offsets coming from the temperature sensor of the urea-quality section of the UQLS. The exact root cause of these high temperature offsets is still being investigated but it seems to be completely separate from the liquid ingress issues covered in the QJ
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Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected	DEF Dosing
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Function Group

Function Group	258 emissions after-treatment
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Customer effect

Main customer effect	fault code/display
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Fault Codes And Error Codes

OBDII Diagnostic Trouble P205B-64
Codes (P, U, B Format)

Conditions

Frequency of occurrence of random
problem

Administration

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Last modified by A241298

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