



Mack Chassis - Diagnotic Trouble Code P026D-00, Fuel Injection Quantity Higher Than Expected; Diagnosis And Information - US14+OBD15 Emissions, Model Year 2016



> Internal Content

P026D / P026D00 indicates the exhaust has too little oxygen detected by the Nox sensors versus fuel rate. Incorrect or failed boost sensors, incorrect injectors, or EGR system failures, may all cause this code. If no fault found at the conclusion of guided diagnostics, ensure the correct part number boost sensor and injectors are installed. Verify boost and EGR delta P, are reading zero key on, engine off. Physically verify the EGR valve is not hanging in travel or bypassing when commanded closed. If still no fault found, road test the unit briefly and compile a datalog of engine sensors and check for excessively high boost pressures in the log. The sensor monitoring template and instructions (entitled "READ FIRST; TT 2.4 - Steps to Import a Template") can be found [here](#).



Tags

[k84061935](#)

[p026d-00](#)

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Steps to import a template for operation ID: 1700-08-03-06, Sensor and Parameter Values, Monitoring

Applies only to OS Windows 7 & later, TT version 2.04.xx & later

This template is only valid for US13 (OBD) and newer vehicles.

The template you need to use will either be sent to you via email, an eService case, or can be found in TDP under Service, Tech Support, FG 2. Once you have located the file you will need to save it to your computer desktop or another place where you can locate it easily.

The most commonly used template is called OBD_SENSORS_TRANS_GEAR_ADDED.xml.

If a template is sent to you via eService or e-mail, please do not open the file. Instead, save it to your computer. If the template is retrieved from TDP, it will open in a different window. To save the template from TDP:

- A. Under Service, Tech Support, FG 2, click the OBD_SENSORS_TRANS_GEAR_ADDED.xml link.

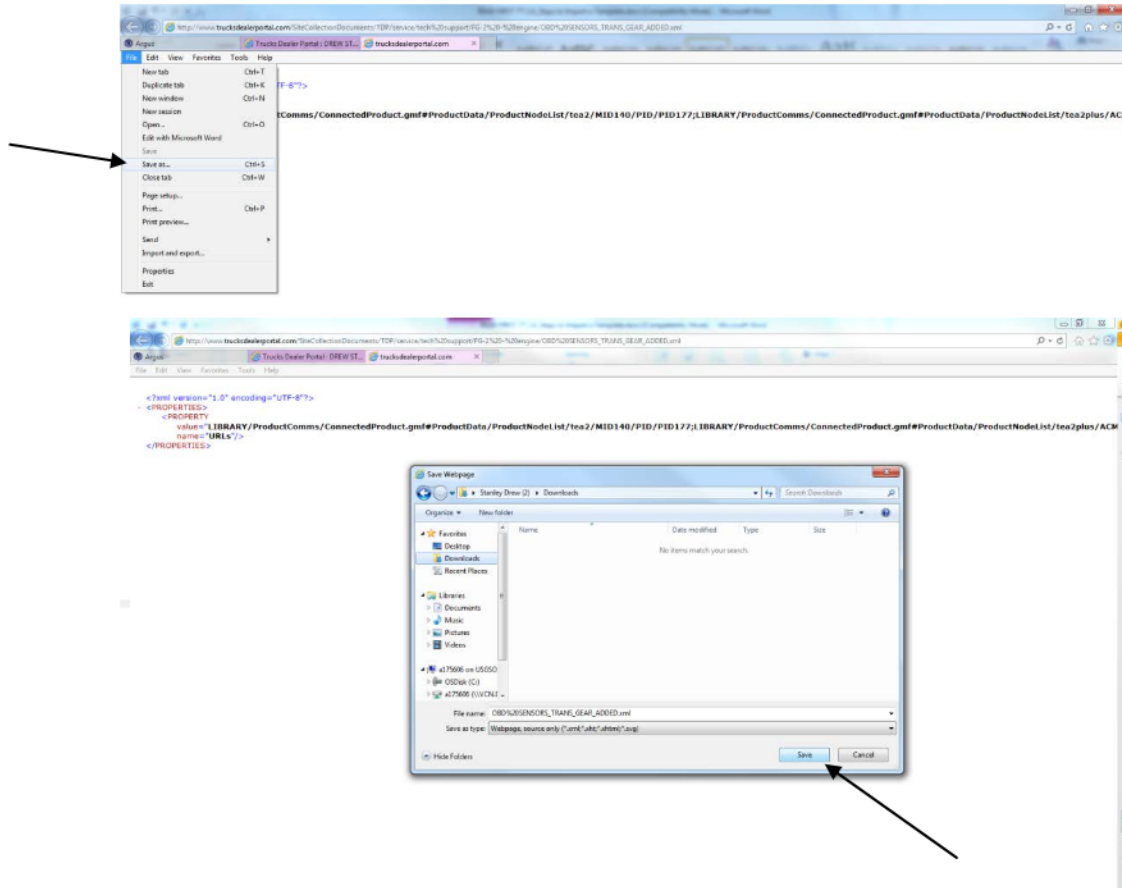
The screenshot shows the Trucks Dealer Portal interface. The main content area is titled "FG-2 - Engine, Engine Mounting & Equipment" and contains a table of documents. The document "OBD_SENSORS_TRANS_GEAR_ADDED.xml" is highlighted with a red box, and an arrow points to it from the right. The table has columns for Date, Document Name, and Reference.

Date	Document Name	Reference
4/13/2016	Tech Tool 2 - CSV File Extraction (Windows 7 and 8) ^{NEW}	Volvo, Mack
4/13/2016	Tech Tool 2.4 - Steps to Import a Template ^{NEW}	Volvo, Mack
4/13/2016	OBD_SENSORS_TRANS_GEAR_ADDED.xml ^{NEW}	Volvo, Mack
3/3/2015	Archived SPN5394 FM17 Diagnostics Newsletter	SNM13-022
3/3/2015	Archived SPN5394 FM17 Diagnostics Newsletter	SNV13-021
11/21/2014	MP7 Low Oil Pressure Diagnostic Process_w1445.4	
12/2/2013	DEF Consumption Log	Mack, Volvo
6/26/2013	US10 13L TURBOCHARGER GASKET	Mack, Volvo
5/9/2013	Exporting Job Card Sensor Values to Excel	Mack, Volvo
3/29/2013	Failed Regen Sensor Values	Mack, Volvo
3/12/2013	Checklists for Engine Stumble	Mack, Volvo
12/12/2012	Revised Inducement Exit Strategy 4094J	Mack, Volvo
10/9/2012	Low Power Procedures - Sensor Values	Mack, Volvo
9/20/2012	VCADS Engine Shutdown Template for Remote Engine Shutdown	Mack Only
9/20/2012	Wiring Diagram for Remote Start n Stop	Mack Only
11/17/2011	US10 Spark Assist Symptom Based Check Sheet W1145.6	Mack Only

- B. The template will open in a separate window. Click File, Save As, and save to your desktop or another place where it may be located easily. Close the window after saving the template.



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To Import the Template, go to Test, 1700-08-03- 06, Sensor and Parameter Values, Monitoring.

1. When you get to the "Available Signals" screen, select Templates and then "Open"



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Tech Tool Links Help

Product Product History Diagnose Test Calibrate Program Impact

Available signals
Select the signals you want to monitor.

View: Control Unit Function Templates

<input type="checkbox"/>	Control Unit	Signal
<input type="checkbox"/>	Information display	
<input type="checkbox"/>	Vehicle ECU	
<input type="checkbox"/>	Climate Unit	
<input type="checkbox"/>	Outer Lighting Control Unit (LCM)	
<input type="checkbox"/>	Gearselector ECU	
<input type="checkbox"/>	Airbag ECU	
<input type="checkbox"/>	BBM, body builder module	
<input type="checkbox"/>	Aftertreatment Control Module	
<input type="checkbox"/>	Engine Control Module	
<input type="checkbox"/>	Transmission ECU	
<input type="checkbox"/>	Telematics GateWay	

1700-08-03-06 Sensor and Parameter Values, Monitoring
Information >> Conditions >> Execution

Selected signals

Continue > Cancel



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The screenshot shows the 'Tech Tool' application window. The title bar includes 'Tech Tool', 'Links', and 'Help'. The user name 'DREW STANLEY' is visible in the top right. The main menu includes 'Product', 'Product History', 'Diagnose', 'Test', 'Calibrate', 'Program', and 'Impact'. The 'Test' tab is active.

Available signals
Select the signals you want to monitor.

View: Control Unit Function

Templates ▾
Open
Save

- Control Unit
 - Information display
 - Vehicle ECU
 - Climate Unit
 - Outer Lighting Control Unit (LCM)
 - Gearselector ECU
 - Airbag ECU
 - BBM, body builder module
 - Aftertreatment Control Module
 - Engine Control Module
 - Transmission ECU
 - Telematics GateWay

1700-08-03-06 Sensor and Parameter Values, Monitoring
Information >> Conditions >> Execution

Selected signals

Buttons: Continue > Cancel

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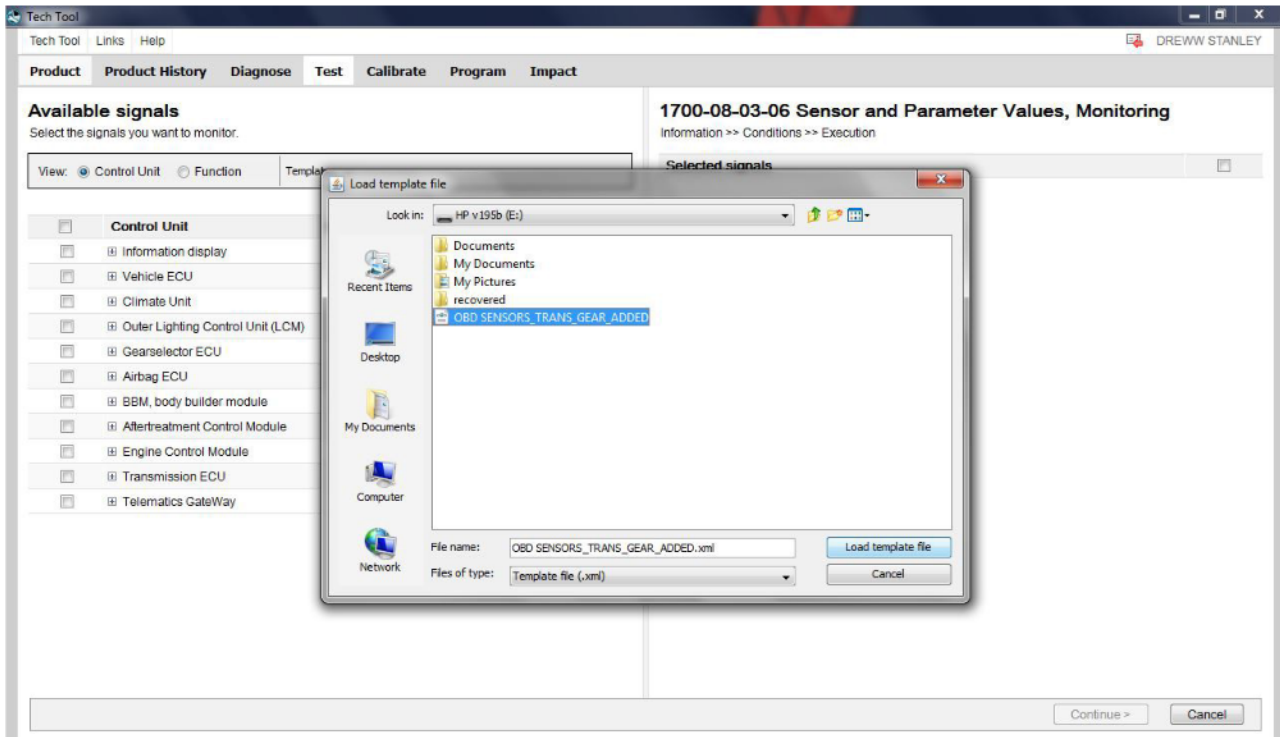
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2. After selecting "Open," click desktop and locate the file "OBD SENSORS_TRANS_GEAR_ADDED.xml," select it and then click "Load template file."



3. After loading the template file you should see the parameters you are going to record populate on the right hand portion of the screen

The screenshot shows the Volvo Tech Tool interface. The main window is titled "Tech Tool" and has a menu bar with "Tech Tool", "Links", and "Help". Below the menu bar are tabs for "Product", "Product History", "Diagnose", "Test", "Calibrate", "Program", and "Impact". The "Test" tab is active. On the left, under "Available signals", there is a section for "Control Unit" with a list of signals. The "PID177 - Transmission oil temperature (MID140)" signal is selected. On the right, under "1700-08-03-06 Sensor and Parameter Values, Monitoring", there is a list of selected signals, including "PID177 - Transmission oil temperature (MID140)", "P1FLN - DEF (Diesel Exhaust Fluid) Pressure (ACM)", "P1FLO - DEF (Diesel Exhaust Fluid) Tank Temperature (ACM)", "P1FLP - DEF (Diesel Exhaust Fluid) Tank Level (ACM)", "P1FR4 - Aftertreatment 1 SCR Catalyst Reagent Pump Drive Percentage (ACM)", "P1FS2 - Aftertreatment 1 SCR Catalyst Tank Level 2 (ACM)", "P1FS8[0] - Aftertreatment catalyst reagent dosage valve (ACM)", "P1ALN - Engine Oil Pressure (EMS)", "P1ALO - Engine Oil Level (EMS)", "P1E10 - Engine Oil Temperature (EMS)", "P1E12 - Engine Fuel Rate (EMS)", "P1E14 - Actual Engine - Percent Torque (EMS)", "P1E18[1] - Engine Coolant Temperature 1 (EMS)", "P1E1L - Engine RPM (EMS)", "P1E1M - Vehicle Speed Sensor (EMS)", "P1E1S - Barometric Pressure (EMS)", "P1E1V - Ambient Air Temperature (EMS)", "P1E1W - Accelerator Pedal Position (EMS)", "P1E2B[1] - Exhaust Gas Temperature Bank 1, Sensor 1 (EMS)", "P1E2B[2] - Exhaust Gas Temperature Bank 1, Sensor 2 (EMS)", and "P1E2B[3] - Exhaust Gas Temperature Bank 1, Sensor 3 (EMS)". At the bottom right, there are "Continue >" and "Cancel" buttons.

4. Click continue and proceed to record data as you normally would
5. Instructions for extracting the sensor monitoring data can be found in TDP, Service, Tech Support, FG2.

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