

TO: Service Locations

FROM: Service Systems Development

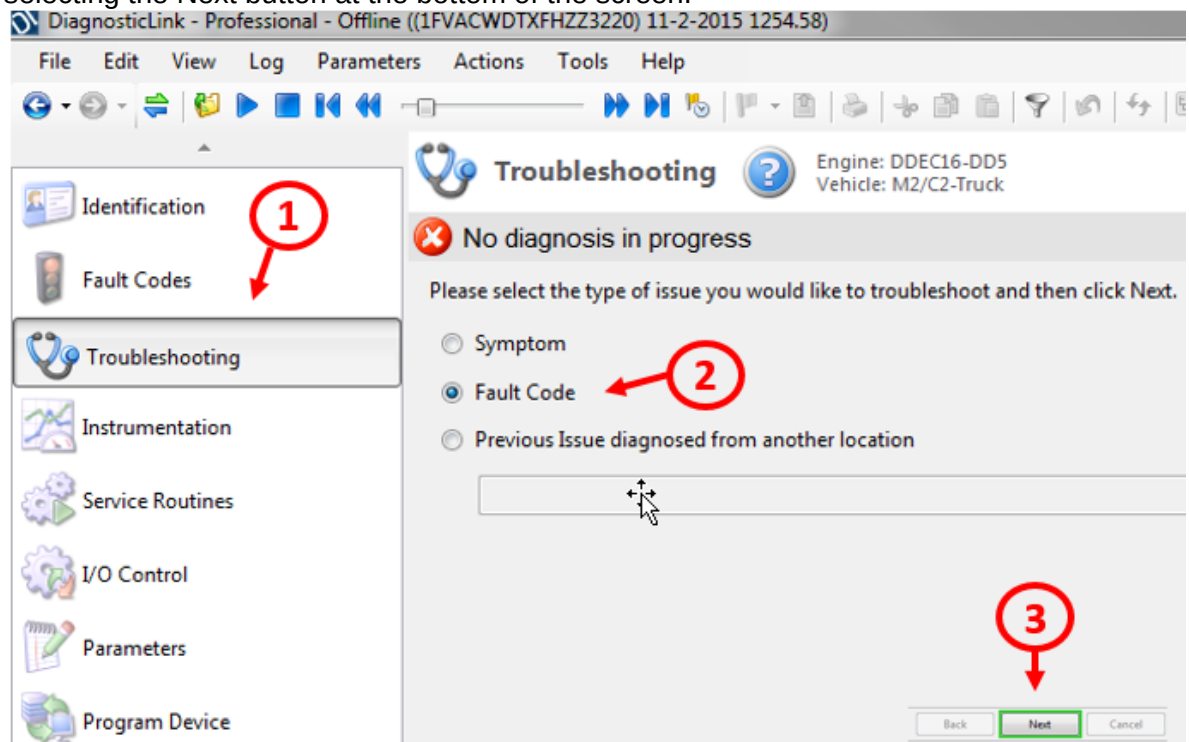
SUBJECT: **Fault Code Prioritization Feature**

SUBJECT DETAIL

A new fault code prioritization feature has been added to DiagnosticLink® 8.07. This feature was added as an effort to help technicians select which fault code should be diagnosed first, whenever multiple faults are present. This feature is just a guide and not meant to replace technician training or experience.

INSTRUCTIONS

- Once connected to a truck, the new prioritized faults view can be accessed by going to the Troubleshooting tab, selecting the Fault Code radio button, then selecting the Next button at the bottom of the screen.



- In this view, the fault codes are listed under 3 categories:
 - Powertrain (proprietary) faults
 - Chassis (proprietary) faults - for DTNA Controllers

o Chassis (standard) faults – for other non-DTNA controllers

Description	Number	Mode	Device	Status
Powertrain (proprietary)				
Digital Output 4 09 Circuit Open	924	5	CPC04T	active
Digital Output 3 17 Circuit Open	925	5	CPC04T	active
PT-CAN open	520230	5	IPPC01T	previously active
Data Request not possible	520211	2	IPPC01T	previously active
Chassis (proprietary)				
ECU CPC timeout	524000	9	VRDU01T	active
ECU EBS data error	524011	19	VRDU01T	not active
Chassis (standard)				
J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link) - Voltage above...	639	3	J1939-11	previously active
J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link) - Abnormal u...	639	9	J1939-11	previously active
Compressor Clutch Circuit - Data erratic, intermittent or incorrect	876	2	HVAC-P3-F	previously active
J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link) - Data erratic, i...	639	2	HVAC-P3-F	previously active
Vehicle Deceleration Control - Abnormal rate of change	1070	10	J1939-11	previously active

- Within each category, faults are listed in the order they should be diagnosed, with the most likely fault to be diagnosed being listed at the top of the list.
- Technician experience and training remain important decision factors and must be used in conjunction with this feature. The following have to be considered:
 - o When faults are present in more than one category, start with the category most relevant to the symptom or customer complaint.
 - o At times, a condition can result in faults being present in more than one category. For example, vehicle/wheel speed sensor issues are likely going to result in ABS fault codes in the Chassis (standard) category. At the same time, those issues will trigger fault codes in the Powertrain category. In these types of situations, always start with the faults in the category most related to the condition. So in this instance, start with the Chassis (standards) faults addressing the ABS system wheel speed sensor faults and not with the Powertrain category faults where a CPC vehicle speed fault may be present.
- From this fault prioritized view, the technician would use a similar navigation method to begin troubleshooting a specific fault, just as if they were in the Fault Codes view (i.e. select the fault code, then select next button at the bottom of the screen).

IMPORTANT NOTE: You must have DiagnosticLink® 8.07SP2 installed. Earlier versions will not contain the new feature.

CONTACT INFORMATION

Please contact the Detroit™ Customer Support Center at 800-445-1980 or email csc.software@daimler.com if you have any questions.