



From Technical Support Specialist **Henry Brettschneider**

# Tech Tips

Number 2

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## Diagnostic Tooling

Looking for an inexpensive diagnostic tool to improve your vehicle service experience? We have the tool for you. Introducing the **NEXIQ Blue-Link Mini**. It interfaces with several **free** Apps that you download to your smartphone giving you access to information without the expense of major tooling and computer software. It provides you with basic vehicle information, fault codes and trip information.

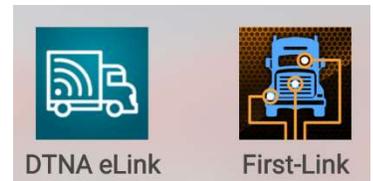


### DIAGNOSTIC REPORT

VIN: 4UZA8RF82KCKP3451			
Model Year: 2015			
Manufacturer: Freightliner			
<b>ENGINE #1 - J1939</b>			
Rated Horsepower	241 BHP	Engine Rated RPM	2036 RPM
MIL Status	Off	Fuel Level	N/A
Battery Voltage	12.45 V	Ignition Voltage	12.40 V
Engine RPM	0 RPM	Vehicle Speed	0 mph
<b>ENGINE #1 - J1939</b>			
Throttle Position	0 %	Brake Switch	Released
Clutch Switch	N/A	Engine Operating State	N/A
Engine Intake Air Temperature	69.8 °F	Engine Intake Air Pressure	14.5 psi
Barometric Pressure	14.50 psi	Coolant Level	100 %
Coolant Temperature	64.4 °F	Oil Level	Not Available
Oil Temperature	64.7 °F	Oil Pressure	0.0 psi
DPF Status	Regen not Needed	Regen Status	N/A
DPF Active Regen Inhibited Status	Inhibited	DPF Active Regen Inhibited Due to	Not Inhibited
		IMB Switch	
DPF Regen Inhibit Switch	N/A	DPF Regen Force Switch	Inactive
Exhaust Temperature 1	N/A	Exhaust Temperature 2	N/A
Exhaust Temperature 3	Not Available	DPF Intake Temperature	N/A
DPF Outlet Temperature	68.0 °F	DPF Differential Pressure	N/A
<b>TRANSMISSION #1 - J1939</b>			
Battery Voltage	N/A	Ignition Voltage	N/A
Input Shaft Speed	0 RPM	Output Shaft Speed	0 RPM
Oil Level	Not Available	Oil Life Remaining	N/A
Oil Temperature	64.7 °F	Service Indicator	N/A
Range Selected	N/A	Range Attained	N/A
<b>LIFE DATA</b>			
<b>ENGINE #1 - J1939</b>			
Distance	11125.18 mi	Hours	335.15 hr
Fuel Used	1169.5 gal	Average Fuel Economy	N/A
Engine Idle Hours	95.50 hr	Engine Idle Fuel Used	63.1 gal
PTO Hours	40.85 hr	PTO Fuel Used	N/A
DPF Number of Inhibited Active Regen	Not Available	DPF Number of Manual Active Regen	Not Available
DPF Fuel Used	Not Available		

COMPONENT	FAULT CODES	11 TOTAL / 1 ACTIVE / 10 INACTIVE
<b>ENGINE #1 - J1939</b>	<b>ACTIVE FAULT CODES (0)</b>	
Vehicle Make: Detroit Diesel	None	
ECM Serial Number: 934914S0000031	<b>INACTIVE FAULT CODES (4)</b>	
ECM Model: 934N16	Fault Description: Requested Percent Fan Speed	SPN 586
VIN: 4UZA8RF82KCKP3451	FMI Description: Out of CAL	FMI: 13
	Count: 4	
	Fault Description: Requested Percent Fan Speed	SPN 586
	FMI Description: Abnormal Update Rate	FMI: 9
	Count: 1	
	Fault Description: Undefined	SPN 2025
	FMI Description: Abnormal Update Rate	FMI: 9
	Count: 1	
	Fault Description: Undefined	SPN 1814
	FMI Description: Abnormal Update Rate	FMI: 9
	Count: 1	

Two **free** smartphone apps are available that we have used. One is Daimler's **"DTNA eLink"** and other is NEXIQ's **"First-Link"**. (The examples shown above are using the **NEXIQ** app.)



Having the information provided by these apps greatly expedite the diagnostic process when calling for information on a down vehicle. This is a great time and expense saver. Order from MBI Parts today – **DDE NQ126015** only \$120.00.

For the latest repair techniques, installation advice or general questions or just to keep your Thomas Bus running at its peak performance feel free to call Henry:  
**1-800-228-6287 ext. 304 or 315-374-2288**