Client:

Phone Number:

VIN:

Mileage: Color:

Status:

CHECK

HD OBD Vehicle Diagnostic Report

License Plate: D

Manufacturer: HD OBD

Year:

Model: SAE J1939

Sub Model: Engine:

Path: HD OBD>SAE J1939>DTC&FFD

Trouble codes

Codes	Description	Status
SPN 639,FMI 9	J1939 network #1, primary vehicle network Abnormal update rate	Engine #1 Active Count : 1
SPN 558,FMI 9	Accelerator pedal 1 low idle switch Abnormal update rate	Engine #1 Active Count: 1
SPN 91,FMI 9	Accelerator pedal position 1 Abnormal update rate	Engine #1 Active Count: 1
SPN 2791,FMI 13	Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration	Engine #1 Active Count : 1
SPN 3360,FMI 9	Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate	Engine #1 Active Count: 1
SPN 3216,FMI 9	Engine exhaust 1 NOx 1 Abnormal update rate	Engine #1 Active Count: 1
SPN 171,FMI 3	Ambient air temperature Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 5246,FMI 0	Aftertreatment SCR operator inducement severity Data valid but above normal operational range - most severe level	Engine #1 Active Count : 1
SPN 3720,FMI 15	DPF 1 ash load percent. Data valid but above normal operating range - least severe level	Engine #1 Active Count : 1
SPN 3251,FMI 4	Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source	Engine #1 Active Count: 1
SPN 3610,FMI 4	Aftertreatment 1 diesel particulate filter outlet pressure 1 Voltage below normal, or shorted to low source	Engine #1 Active Count: 1
SPN 4765,FMI 3	Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source	Engine #1 Active Count : 1

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SPN 3242,FMI 3	Aftertreatment 1 diesel particulate filter intake temperature Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 3246,FMI 3	Aftertreatment 1 diesel particulate filter outlet temperature Voltage above normal, or shorted to high source	Engine #1 Active Count: 1
SPN 4360,FMI 3	Aftertreatment 1 SCR intake temperature Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 4363,FMI 3	Aftertreatment 1 SCR outlet temperature Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 97,FMI 3	Water in fuel indicator 1 Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 111,FMI 3	Engine coolant level 1 Voltage above normal, or shorted to high source	Engine #1 Active Count : 1
SPN 558,FMI 9	Accelerator pedal 1 low idle switch Abnormal update rate	Engine #1 Pending Count : 1
SPN 91,FMI 9	Accelerator pedal position 1 Abnormal update rate	Engine #1 Pending Count : 1
SPN 2791,FMI 13	Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration	Engine #1 Pending Count : 1
SPN 3360,FMI 9	Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate	Engine #1 Pending Count : 1
SPN 3216,FMI 9	Engine exhaust 1 NOx 1 Abnormal update rate	Engine #1 Pending Count : 1
SPN 3226,FMI 9	Aftertreatment 1 outlet NOx 1 Abnormal update rate	Engine #1 Pending Count: 0
SPN 171,FMI 3	Ambient air temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 3251,FMI 4	Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source	Engine #1 Pending Count: 1
SPN 3610,FMI 4	Aftertreatment 1 diesel particulate filter outlet pressure 1 Voltage below normal, or shorted to low source	Engine #1 Pending Count: 1
SPN 4765,FMI 3	Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count: 1

SPN 3242,FMI 3	Aftertreatment 1 diesel particulate filter intake temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 3246,FMI 3	Aftertreatment 1 diesel particulate filter outlet temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 4360,FMI 3	Aftertreatment 1 SCR intake temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 4363,FMI 3	Aftertreatment 1 SCR outlet temperature Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 111,FMI 3	Engine coolant level 1 Voltage above normal, or shorted to high source	Engine #1 Pending Count : 1
SPN 558,FMI 9	Accelerator pedal 1 low idle switch Abnormal update rate	Engine #1 Emissions-related Count : 1
SPN 91,FMI 9	Accelerator pedal position 1 Abnormal update rate	Engine #1 Emissions-related Count : 1
SPN 2791,FMI 13	Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration	Engine #1 Emissions-related Count : 1
SPN 3360,FMI 9	Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate	Engine #1 Emissions-related Count : 1
SPN 3216,FMI 9	Engine exhaust 1 NOx 1 Abnormal update rate	Engine #1 Emissions-related Count : 1
SPN 171,FMI 3	Ambient air temperature Voltage above normal, or shorted to high source	Engine #1 Emissions-related Count : 1
SPN 3251,FMI 4	Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source	Engine #1 Emissions-related Count : 1
SPN 3610,FMI 4	Aftertreatment 1 diesel particulate filter outlet pressure 1 Voltage below normal, or shorted to low source	Engine #1 Emissions-related Count: 1
SPN 4765,FMI 3	Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source	Engine #1 Emissions-related Count : 1
SPN 3242,FMI 3	Aftertreatment 1 diesel particulate filter intake temperature Voltage above normal, or shorted to high source	Engine #1 Emissions-related Count : 1
SPN 3246,FMI 3	Aftertreatment 1 diesel particulate filter outlet temperature Voltage above normal, or shorted to high source	Engine #1 Emissions-related Count : 1

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SPN 4363,FMI 3 Aftertreatment 1 SCR outlet temperature Voltage above normal, or shorted to high source Engine #1 Emissions-related Count: 1 SPN 111,FMI 3 Engine coolant level 1 Voltage above normal, or shorted to high source Engine #1 Engine #1 Permanent Count: 1 SPN 612,FMI 2 System diagnostic code #2. Data crratic, intermittent or incorrect Permanent Permanent Count: 0 SPN 102,FMI 18 Engine intake manifold #1 pressure Data valid but below normal operating range - moderately severe level Fingine #1 Permanent Count: 0 SPN 3226,FMI 9 Aftertreatment 1 outlet NOx 1 Aftertreatment 1 diesel particulate filter outlet pressure 1 Data certalic, intermittent or incorrect Engine #1 Permanent Count: 0 SPN 3610,FMI 2 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Permanent Count: 0 Engine #1 Permanent Count: 0 SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Permanent Count: 0 Engine #1 Permanent Count: 0 SPN 558,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate Engine #1 Permanent Count: 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 Engine #1 Permanent Count: 1 SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Permanent Count: 1 Engine #1 Permanent Count: 1 SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate	SPN 4360,FMI 3	Aftertreatment 1 SCR intake temperature Voltage above normal, or shorted to high source	Engine #1 Emissions-related Count: 1
SPN 111,FMI 3 Voltage above normal, or shorted to high source Count : 1	SPN 4363,FMI 3		Emissions-related
SPN 612,FMI 2 Data erratic, intermittent or incorrect Count: 0 SPN 102,FMI 18 Engine intake manifold #1 pressure Data valid but below normal operating range - moderately severe level Count: 0 SPN 3226,FMI 9 Aftertreatment 1 outlet NOx 1 Abnormal update rate SPN 3610,FMI 2 Aftertreatment 1 diesel particulate filter outlet pressure 1 Data erratic, intermittent or incorrect SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Voltage below normal, or shorted to low source SPN 558,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate SPN 91,FMI 9 Accelerator pedal position 1 Abnormal update rate SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate SPN 3216,FMI 9 Aftertreatment 1 diesel particulate filter outlet pressure 1 Engine #1 Permanent Count: 1 SPN 3216,FMI 9 Aftertreatment 1 SCR catalyst tank controller. SPN 3216,FMI 9 Aftertreatment 1 diesel particulate filter outlet pressure 1 Engine #1 Permanent Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to high source Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to high source Engine #1 Permanent Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to high source Engine #1 Permanent Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Fingine #1 Permanent Count: 1 Engine #1 Permanent Count: 1	SPN 111,FMI 3		Emissions-related
SPN 102,FMI 18 Data valid but below normal operating range - moderately severe level SPN 3226,FMI 9 Aftertreatment 1 outlet NOx 1 Abnormal update rate SPN 3216,FMI 9 Aftertreatment 1 diesel particulate filter outlet pressure 1 Data erratic, intermittent or incorrect SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. SPN 558,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate SPN 91,FMI 9 Accelerator pedal position 1 Abnormal update rate SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate SPN 3216,FMI 9 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to high source SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to low source SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to low source	SPN 612,FMI 2		Permanent
SPN 3226,FMI 9 Abnormal update rate SPN 3610,FMI 2 Aftertreatment 1 diesel particulate filter outlet pressure 1 Data erratic, intermittent or incorrect SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Permanent Count: 0 SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Permanent Count: 0 SPN 558,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate SPN 91,FMI 9 Accelerator pedal position 1 SPN 91,FMI 9 Accelerator pedal position 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 SPN 2791,FMI 13 SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Permanent Count: 1 SPN 3216,FMI 9 Aftertreatment 1 NOX 1 Abnormal update rate SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to low source Permanent Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to low source Permanent Count: 1 SPN 4765,FMI 3 Aftertreatment 1 diesel particulate filter differential pressure Voltage shove normal, or shorted to low source Permanent Count: 1 Engine #1 Permanent Count: 1 Engine #1 Permanent Count: 1 SPN 4765,FMI 3 Aftertreatment 1 diesel particulate filter differential pressure Voltage shove normal, or shorted to low source Permanent Count: 1 Engine #1 Permanent Count: 1 Engine #1 Permanent Count: 1 Permane	SPN 102,FMI 18		Permanent
SPN 3610,FMI 2 Data erratic, intermittent or incorrect Count: 0 SPN 5394,FMI 4 Aftertreatment 1 diesel exhaust fluid dosing valve 1. Voltage below normal, or shorted to low source Count: 0 SPN 5394,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate Count: 1 SPN 91,FMI 9 Accelerator pedal position 1 Abnormal update rate Count: 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate Count: 1 SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate Count: 1 SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source Aftertreatment 1 diesel exhaust on the permanent Count: 1 SPN 3251,FMI 4 Aftertreatment 1 diesel exhaust or shorted to high source Aftertreatment Count: 1 SPN 4765,FMI 3 Aftertreatment I diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source Engine #1 Permanent Count: 1 Engine #1 Permanent Count: 1 SPN 4765,FMI 3 Aftertreatment I diesel particulate filter differential pressure Voltage above normal, or shorted to high source Engine #1 Permanent Count: 1	SPN 3226,FMI 9		Permanent
SPN 5394,FMI 4 Voltage below normal, or shorted to low source SPN 558,FMI 9 Accelerator pedal 1 low idle switch Abnormal update rate SPN 91,FMI 9 Accelerator pedal position 1 Abnormal update rate SPN 2791,FMI 9 Engine #1 Permanent Count : 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source Permanent Count : 1 Engine #1 Permanent Count : 1 Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal or shorted to high source Permanent Permanent Permanent Count : 1 Engine #1 Permanent Count : 1	SPN 3610,FMI 2		Permanent
SPN 558,FMI 9 Abnormal update rate SPN 91,FMI 9 Accelerator pedal position 1 Abnormal update rate SPN 2791,FMI 9 Accelerator pedal position 1 Abnormal update rate Engine #1 Permanent Count : 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 Out of calibration SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate Engine #1 Permanent Count : 1 SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal or shorted to high source Engine #1 Permanent Count : 1 Engine #1 Permanent Count : 1 Engine #1 Permanent Count : 1	SPN 5394,FMI 4		Permanent
SPN 91,FMI 9 Abnormal update rate Engine exhaust gas recirculation 1 valve 1 control 1 SPN 2791,FMI 13 Engine exhaust gas recirculation 1 valve 1 control 1 SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate Engine #1 Permanent Count : 1 SPN 3216,FMI 9 Engine exhaust 1 NOx 1 Abnormal update rate Engine #1 Permanent Count : 1 SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal or shorted to high source Engine #1 Permanent Count : 1 Engine #1 Permanent Count : 1	SPN 558,FMI 9		Permanent
SPN 2791,FMI 13 Cut of calibration Aftertreatment 1 SCR catalyst tank controller. SPN 3360,FMI 9 Aftertreatment 1 SCR catalyst tank controller. Abnormal update rate Engine #1 Permanent Count : 1 Engine exhaust 1 NOx 1 Abnormal update rate Engine #1 Permanent Count : 1 SPN 3216,FMI 9 Ambient air temperature Voltage above normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal or shorted to high source Engine #1 Permanent Count : 1 Engine #1 Permanent Count : 1	SPN 91,FMI 9		Permanent
SPN 3360,FMI 9 Abnormal update rate Engine exhaust 1 NOx 1 Abnormal update rate Engine exhaust 1 NOx 1 Abnormal update rate Engine #1 Permanent Count : 1 SPN 3216,FMI 9 Ambient air temperature Voltage above normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source Engine #1 Permanent	SPN 2791,FMI 13		Permanent
SPN 3216,FMI 9 Eligine exhaust 1 NOX 1 Abnormal update rate Abnormal update rate Permanent Count : 1 SPN 171,FMI 3 Ambient air temperature Voltage above normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source Engine #1 Permanent Permanent	SPN 3360,FMI 9		Permanent
SPN 171,FMI 3 Aftertreatment 1 diesel particulate filter differential pressure Voltage above normal, or shorted to high source Engine #1 Permanent Count : 1 SPN 3251,FMI 4 Aftertreatment 1 diesel particulate filter differential pressure Voltage below normal, or shorted to low source Engine #1 Permanent Count : 1 Engine #1 Permanent Voltage above normal, or shorted to high source SPN 4765,FMI 3	SPN 3216,FMI 9		Permanent
SPN 3251,FMI 4 Voltage below normal, or shorted to low source Permanent Count: 1 SPN 4765,FMI 3 Aftertreatment 1 diesel oxidation catalyst intake temperature Voltage above normal, or shorted to high source Engine #1 Permanent	SPN 171,FMI 3		Permanent
SPN 4765,FMI 3 Aftertreatment 1 dieser oxidation catalyst make temperature Voltage above normal, or shorted to high source Permanent	SPN 3251,FMI 4		Permanent
	SPN 4765,FMI 3		Permanent

SPN 3242,FMI 3	Aftertreatment 1 diesel particulate filter intake temperature Voltage above normal, or shorted to high source	Engine #1 Permanent Count: 1
SPN 3246,FMI 3	Aftertreatment 1 diesel particulate filter outlet temperature Voltage above normal, or shorted to high source	Engine #1 Permanent Count: 1
SPN 4360,FMI 3	Aftertreatment 1 SCR intake temperature Voltage above normal, or shorted to high source	Engine #1 Permanent Count: 1
SPN 4363,FMI 3	Aftertreatment 1 SCR outlet temperature Voltage above normal, or shorted to high source	Engine #1 Permanent Count: 1
SPN 111,FMI 3	Engine coolant level 1 Voltage above normal, or shorted to high source	Engine #1 Permanent Count: 1

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