

Generic OBD2 Data

Absolute Evap System Vapor Pressure (kPa)
Absolute Load Value (%)
Absolute Throttle #1 position (%)
Absolute Throttle Position B (%)
Absolute Throttle Position C (%)
Accelerator Pedal Position D (%)
Accelerator Pedal Position E (%)
Accelerator Pedal Position F (%)
Actual EGR A Duty Cycle/Position (%)
Actual EGR B Duty Cycle/Position (%)
Actual Engine - Percent Torque (%)
Air Flow Rate from MAF (g/s)
Alcohol Fuel Percentage (%)
Ambient air temperature (°C)
Auto Trans Neutral Drive status (Neutral / Drive)
Average Demanded Reagent Consumption (L/h)
Average Reagent Consumption (L/h)
Barometric Pressure (PSI)
Boost Pressure Sensor A (kPa)
Boost Pressure Sensor A (kPa)
Calculated Load Value (%)
Catalyst Temperature Bank 1, Sensor 1 (°F)
Catalyst Temperature Bank 1, Sensor 2 (°F)
Catalyst Temperature Bank 2, Sensor 1 (°F)
Catalyst Temperature Bank 2, Sensor 2 (°F)
Charge Air Cooler Temperature Bank 1, Sensor 1 (°C)
Charge Air Cooler Temperature Bank 1, Sensor 2 (°C)
Charge Air Cooler Temperature Bank 2, Sensor 1 (°C)
Charge Air Cooler Temperature Bank 2, Sensor 2 (°C)
Commanded Boost Pressure Sensor A (kPa)
Commanded Boost Pressure Sensor B (kPa)
Commanded EGR (%)
Commanded EGR A Duty Cycle/Position (%)
Commanded EGR B Duty Cycle/Position (%)
Commanded Equivalence Ratio
Commanded Evaporative Purge (%)
Commanded Fuel Rail Pressure A (kPa)
Commanded Fuel Rail Pressure B (kPa)
Commanded Injection Control Pressure A (kPa)
Commanded Injection Control Pressure B (kPa)
Commanded Intake Air Flow A Control (%)
Commanded Intake Air Flow B Control (%)
Commanded Secondary Air Status
Commanded Throttle Actuator A Control (%)
Commanded Throttle Actuator B Control (%)
Commanded Throttle Actuator Control (%)
Commanded Variable Geometry Turbo A Position (%)
Commanded Variable Geometry Turbo B Position (%)

Commanded Wastegate A Position (%)
Commanded Wastegate B Position (%)
Control module voltage (V)
DPF Bank 1 Inlet Temperature Sensor (°C)
DPF Bank 1 Outlet Temperature Sensor (°C)
DPF Bank 2 Inlet Temperature Sensor (°C)
DPF Bank 2 Outlet Temperature Sensor (°C)
Diesel Particulate Filter Bank 1 Delta Pressure (kPa)
Diesel Particulate Filter Bank 1 Inlet Pressure (kPa)
Diesel Particulate Filter Bank 1 Outlet Pressure (kPa)
Diesel Particulate Filter Bank 2 Delta Pressure (kPa)
Diesel Particulate Filter Bank 2 Inlet Pressure (kPa)
Diesel Particulate Filter Bank 2 Outlet Pressure (kPa)
Distance Travelled While MIL is Activated (miles)
Distance since DTCs cleared (miles)
Driver's Demand Engine - Percent Torque (%)
EGR A Error (%)
EGR B Error (%)
EGR Error (%)
EGR Temperature Bank 1, Sensor 1 (°C)
EGR Temperature Bank 1, Sensor 2 (°C)
EGR Temperature Bank 2, Sensor 1 (°C)
EGR Temperature Bank 2, Sensor 2 (°C)
Emission requirements to which vehicle is designed
Engine Coolant Temperature (°F)
Engine Coolant Temperature 1 (°C)
Engine Coolant Temperature 2 (°C)
Engine Fuel Rate (L/h)
Engine Oil Temperature (°C)
Engine Percent Torque at Idle, Point 1 (%)
Engine Percent Torque at Point 2 (%)
Engine Percent Torque at Point 3 (%)
Engine Percent Torque at Point 3 (%)
Engine Percent Torque at Point 4 (%)
Engine RPM (RPM)
Engine Reference Torque (Nm)
Evap System Vapor Pressure (PSI)
Evap System Vapor Pressure (Pa)
Exhaust Gas Temperature Bank 1, Sensor 1 (°C)
Exhaust Gas Temperature Bank 1, Sensor 2 (°C)
Exhaust Gas Temperature Bank 1, Sensor 3 (°C)
Exhaust Gas Temperature Bank 1, Sensor 4 (°C)
Exhaust Gas Temperature Bank 2, Sensor 1 (°C)
Exhaust Gas Temperature Bank 2, Sensor 2 (°C)
Exhaust Gas Temperature Bank 2, Sensor 3 (°C)
Exhaust Gas Temperature Bank 2, Sensor 4 (°C)
Exhaust Pressure Sensor Bank 1 (kPa)
Exhaust Pressure Sensor Bank 2 (kPa)
Fuel Injection Timing (°)
Fuel Level (%)
Fuel Rail Pressure (PSI)

Fuel Rail Pressure (Gauge)(PSI)
Fuel Rail Pressure (absolute)(kPa)
Fuel Rail Pressure A (kPa)
Fuel Rail Pressure B (kPa)
Fuel Rail Pressure relative to manifold vacuum (PSI)
Fuel Rail Temperature A (°C)
Fuel Rail Temperature B (°C)
Fuel System 1 Status
Fuel System 2 Status
Fuel Trim Bank 1 - Long Term (%)
Fuel Trim Bank 1 - Short Term (%)
Fuel Trim Bank 2 - Long Term (%)
Fuel Trim Bank 2 - Short Term (%)
Fuel Trim Bank 3 - Long Term (%)
Fuel Trim Bank 3 - Short Term (%)
Fuel Trim Bank 4 - Long Term (%)
Fuel Trim Bank 4 - Short Term (%)
Glow Plug Lamp Status (On / Off)
Hybrid Battery Pack Remaining Life (%)
Ignition Timing Advance (#1)(°TDC)
Injection Control Pressure A (kPa)
Injection Control Pressure B (kPa)
Intake Air Temperature (°F)
Intake Air Temperature Bank 1, Sensor 1 (°C)
Intake Air Temperature Bank 1, Sensor 2 (°C)
Intake Air Temperature Bank 1, Sensor 3 (°C)
Intake Air Temperature Bank 2, Sensor 1 (°C)
Intake Air Temperature Bank 2, Sensor 2 (°C)
Intake Air Temperature Bank 2, Sensor 3 (°C)
Intake Manifold Absolute Pressure (PSI)
Intake Manifold Absolute Pressure A (kPa)
Intake Manifold Absolute Pressure B (kPa)
Long Term Secondary O2 Sensor Fuel Trim - Bank 1 (%)
Long Term Secondary O2 Sensor Fuel Trim - Bank 2 (%)
Long Term Secondary O2 Sensor Fuel Trim - Bank 3 (%)
Long Term Secondary O2 Sensor Fuel Trim - Bank 4 (%)
Malfunction Indicator Lamp (MIL) Status (On / Off)
Manifold Surface Temperature (°C)
Manual Trans Neutral Gear (Neutral / Gear)
Mass Air Flow Sensor A (g/s)
Mass Air Flow Sensor B (g/s)
Minutes engine run while MIL activated (min)
Nox Sensor Concentration Bank 1 Sensor 1 (ppm)
Nox Sensor Concentration Bank 2 Sensor 1 (ppm)
Number of warm-ups since DTCs cleared
O2 Bank 1 Sensor 1 Current (wide)(mA)
O2 Bank 1 Sensor 1 Current (wide)(mA)
O2 Bank 1 Sensor 1 Fuel Trim (%)
O2 Bank 1 Sensor 1 Fuel Trim (%)
O2 Bank 1 Sensor 1 Lambda (wide)
O2 Bank 1 Sensor 1 Lambda (wide)

O2 Bank 1 Sensor 1 Lambda (wide)
O2 Bank 1 Sensor 1 Lambda (wide)
O2 Bank 1 Sensor 1 Voltage (V)
O2 Bank 1 Sensor 1 Voltage (V)
O2 Bank 1 Sensor 1 Voltage (wide) (V)
O2 Bank 1 Sensor 1 Voltage (wide) (V)
O2 Bank 1 Sensor 2 Current (wide) (mA)
O2 Bank 1 Sensor 2 Current (wide) (mA)
O2 Bank 1 Sensor 2 Fuel Trim (%)
O2 Bank 1 Sensor 2 Fuel Trim (%)
O2 Bank 1 Sensor 2 Lambda (wide)
O2 Bank 1 Sensor 2 Lambda (wide)
O2 Bank 1 Sensor 2 Lambda (wide)
O2 Bank 1 Sensor 2 Lambda (wide)
O2 Bank 1 Sensor 2 Voltage (V)
O2 Bank 1 Sensor 2 Voltage (V)
O2 Bank 1 Sensor 2 Voltage (wide)(V)
O2 Bank 1 Sensor 2 Voltage (wide)(V)
O2 Bank 1 Sensor 3 Current (wide) (mA)
O2 Bank 1 Sensor 3 Fuel Trim (%)
O2 Bank 1 Sensor 3 Lambda (wide)
O2 Bank 1 Sensor 3 Lambda (wide)
O2 Bank 1 Sensor 3 Voltage (V)
O2 Bank 1 Sensor 3 Voltage (wide) (V)
O2 Bank 1 Sensor 4 Current (wide)(mA)
O2 Bank 1 Sensor 4 Fuel Trim (%)
O2 Bank 1 Sensor 4 Lambda (wide)
O2 Bank 1 Sensor 4 Lambda (wide)
O2 Bank 1 Sensor 4 Voltage (V)
O2 Bank 1 Sensor 4 Voltage (wide) (V)
O2 Bank 2 Sensor 1 Current (wide) (mA)
O2 Bank 2 Sensor 1 Current (wide) (mA)
O2 Bank 2 Sensor 1 Fuel Trim (%)
O2 Bank 2 Sensor 1 Fuel Trim (%)
O2 Bank 2 Sensor 1 Lambda (wide)
O2 Bank 2 Sensor 1 Lambda (wide)
O2 Bank 2 Sensor 1 Lambda (wide)
O2 Bank 2 Sensor 1 Lambda (wide)
O2 Bank 2 Sensor 1 Voltage (V)
O2 Bank 2 Sensor 1 Voltage (V)
O2 Bank 2 Sensor 1 Voltage (wide)(V)
O2 Bank 2 Sensor 1 Voltage (wide)(V)
O2 Bank 2 Sensor 2 Current (wide) (mA)
O2 Bank 2 Sensor 2 Current (wide) mA)
O2 Bank 2 Sensor 2 Fuel Trim (%)
O2 Bank 2 Sensor 2 Fuel Trim (%)
O2 Bank 2 Sensor 2 Lambda (wide)
O2 Bank 2 Sensor 2 Lambda (wide)
O2 Bank 2 Sensor 2 Lambda (wide)
O2 Bank 2 Sensor 2 Lambda (wide)
O2 Bank 2 Sensor 2 Voltage (V)

O2 Bank 2 Sensor 2 Voltage (V)
O2 Bank 2 Sensor 2 Voltage (wide)(V)
O2 Bank 2 Sensor 2 Voltage (wide)(V)
O2 Bank 2 Sensor 3 Current (wide) (mA)
O2 Bank 2 Sensor 3 Fuel Trim (%)
O2 Bank 2 Sensor 3 Lambda (wide)
O2 Bank 2 Sensor 3 Lambda (wide)
O2 Bank 2 Sensor 3 Voltage (V)
O2 Bank 2 Sensor 3 Voltage (wide) (V)
O2 Bank 2 Sensor 4 Current (wide) (mA)
O2 Bank 2 Sensor 4 Fuel Trim (%)
O2 Bank 2 Sensor 4 Lambda (wide)
O2 Bank 2 Sensor 4 Lambda (wide)
O2 Bank 2 Sensor 4 Voltage (V)
O2 Bank 2 Sensor 4 Voltage (wide) (V)
O2 Bank 3 Sensor 1 Current (wide)(mA)
O2 Bank 3 Sensor 1 Fuel Trim (%)
O2 Bank 3 Sensor 1 Lambda (wide)
O2 Bank 3 Sensor 1 Lambda (wide)
O2 Bank 3 Sensor 1 Voltage (V)
O2 Bank 3 Sensor 1 Voltage (wide) (V)
O2 Bank 3 Sensor 2 Current (wide) (mA)
O2 Bank 3 Sensor 2 Fuel Trim (%)
O2 Bank 3 Sensor 2 Lambda (wide)
O2 Bank 3 Sensor 2 Lambda (wide)
O2 Bank 3 Sensor 2 Voltage (V)
O2 Bank 3 Sensor 2 Voltage (wide) (V)
O2 Bank 4 Sensor 1 Current (wide) (mA)
O2 Bank 4 Sensor 1 Fuel Trim (%)
O2 Bank 4 Sensor 1 Lambda (wide)
O2 Bank 4 Sensor 1 Lambda (wide)
O2 Bank 4 Sensor 1 Voltage (V)
O2 Bank 4 Sensor 1 Voltage (wide)(V)
O2 Bank 4 Sensor 2 Current (wide)(mA)
O2 Bank 4 Sensor 2 Fuel Trim (%)
O2 Bank 4 Sensor 2 Lambda (wide)
O2 Bank 4 Sensor 2 Lambda (wide)
O2 Bank 4 Sensor 2 Voltage (V)
O2 Bank 4 Sensor 2 Voltage (wide) (V)
OBD Requirements
PM Sensor Mass Concentration Bank 1 Sensor 1 (mg/m³)
PM Sensor Mass Concentration Bank 2 Sensor 1 (mg/m³)
Power Take Off Status (On / Off)
Power Take Off status (On / Off)
Reagent Tank Level (%)
Relative Accelerator Pedal Position (%)
Relative Intake Air Flow A Position (%)
Relative Intake Air Flow B Position (%)
Relative Throttle A Position (%)
Relative Throttle B Position (%)
Relative Throttle Position (%)

Short Term Secondary O2 Sensor Fuel Trim - Bank 1 (%)
Short Term Secondary O2 Sensor Fuel Trim - Bank 2 (%)
Short Term Secondary O2 Sensor Fuel Trim - Bank 3 (%)
Short Term Secondary O2 Sensor Fuel Trim - Bank 4 (%)
Time Since Engine Start (sec)
Time since DTCs cleared (min)
Total Engine Run Time (sec)
Total Idle Run Time (sec)
Total Run Time with PTO active (sec)
Total run time by the engine while Nox warning mode is activated (sec)
Total run time with EI-AECD #1 active (sec)
Total run time with EI-AECD #10 active (sec)
Total run time with EI-AECD #2 active (sec)
Total run time with EI-AECD #3 active (sec)
Total run time with EI-AECD #4 active (sec)
Total run time with EI-AECD #5 active (sec)
Total run time with EI-AECD #6 active (sec)
Total run time with EI-AECD #7 active (sec)
Total run time with EI-AECD #8 active (sec)
Total run time with EI-AECD #9 active (sec)
Turbocharger A Compressor Inlet Temperature (°C)
Turbocharger A Compressor Outlet Temperature (°C)
Turbocharger A RPM (RPM)
Turbocharger A Turbine Inlet Temperature (°C)
Turbocharger A Turbine Outlet Temperature (°C)
Turbocharger B Compressor Inlet Temperature (°C)
Turbocharger B Compressor Outlet Temperature (°C)
Turbocharger B RPM (RPM)
Turbocharger B Turbine Inlet Temperature (°C)
Turbocharger B Turbine Outlet Temperature (°C)
Turbocharger Compressor Inlet Pressure Sensor A (kPa)
Turbocharger Compressor Inlet Pressure Sensor B (kPa)
Type of fuel currently being utilized by the vehicle
Variable Geometry Turbo A Position (%)
Variable Geometry Turbo B Position (%)
Vehicle Speed (MPH)
Wastegate A Position (%)
Wastegate B Position (%)

Ford Included Enhanced Data

Accelerator Pedal Position (% full open)
Cylinder Head Temperature (°F)
Diesel Particular Filter (DPF) regeneration operational status (Active / Inactive)
Engine Coolant Temperature (°F)
Engine Oil Level (%)
Engine Oil Temperature (°C)
Exhaust Back Pressure (kPa)
Exhaust Gas Recirculation Temperature Sensor A (EGRT/EGRT-A)(°C)
Exhaust Gas Temperature Bank 1 Sensor 1 (°C)
Exhaust Gas Temperature Bank 1 Sensor 2 (°C)
Exhaust Gas Temperature Bank 1 Sensor 3 (°C)
Fuel Control State
Fuel Injector Pulse Width (µs)
Fuel Level (%)
Fuel Mass desired per stroke (mg/stroke)
Fuel Rail Pressure (PSI)
Fuel Rail Temperature 1 (°F)
Injection Control Pressure (MPaA (Absolute))
Injector Timing (°BTDC)
Intake Air Temperature (°F)
Intake Air Temperature Sensor 2 (°F)
Intake Manifold Air Temperature (°F)
Intake Manifold Runner Commanded State (Open / Close(d))
Intercooler (coolant) Pump Commanded State (On / Off)
Manifold Absolute Pressure (kPa)
Manifold Gauge Pressure (kPa)
Mass Air Flow (g/sec)
Open Loop Fuel Conditions Met (Yes (True)/ No (False))
Spark Advance total (°BTDC)
Supercharger Bypass Control Commanded to Bypass Supercharger (Yes (True) / No (False))
Supercharger/Turbocharger Inlet Absolute Pressure (kPa)
Torque Converter Slip (RPM)
Torque Converter Status
Torque Convertor net input torque (Foot-lbs)
Torque Convertor net input torque (NM Torque)
Transmission Fluid Temperature (°F)
Transmission Position
Universal Load
Variable Geometry Turbo duty cycle (% Duty Cycle)
Vehicle Speed (MPH)
Wastegate control duty cycle (%) </p>

Ford Licensed Enhanced Data

Button (Active / Inactive)
'%' Display Segment (Enable(d) / Disable(d))
(-)Contactor Voltage Sense #1 Fault (Yes (True) / No (False))
(-)Contactor Voltage Sense #2 Fault (Yes (True) / No (False))
(-)Switch (Active / Inactive)
(+)Contactor Voltage Sense #1 Fault (Yes (True) / No (False))
(+)Contactor Voltage Sense #2 Fault (Yes (True) / No (False))
(+)Switch (Active / Inactive)
(CSMS1)Clutch/Shift multiplex Solenoid 1 (Active / Inactive)
(CSMS2)Clutch/Shift multiplex Solenoid 2 (Active / Inactive)
(EE PROM)Booster Learn Cycle Completed Status (Yes (True) / No (False))
(EE PROM)Lateral Accel Sensor Init Completed Status (Yes (True) / No (False))
(EE PROM)SWA Lock to Lock Test Passed Status (Yes (True) / No (False))
(EE PROM)TC ISO Initialization Completed Status (Yes (True) / No (False))
(EE PROM)Yaw Rate Initialization Completed Status (Yes (True) / No (False))
(Electric)Motor Coil Temperature (°C)
(HEV)Battery Air Outlet Temperature (°C)
(HEV)Delta Module Voltage (V)
(HEV)Maximum Charge Power Limit (Watts)
(SHCMS)Shift/Cooling Multiplex Solenoid (Active / Inactive)
(SHSS1)Shift selector solenoid 1 (Active / Inactive)
(SHSS2)Shift selector solenoid 2 (Active / Inactive)
* Button (Active / Inactive)
0 Button (Active / Inactive)
1 Button (Active / Inactive)
1=Alternator Lamp (ALTLMP)Input is high (e. g., 12 volts); 0=ALTLMP Input is low (e. g., 0 volts). (High / Low)
12V Battery Module Installed (Yes (True) / No (False))
14 Volt Power Module System Voltage High (Fault / No Fault)
14 Volt Power Module System Voltage Low (Fault / No Fault)
1-Speed Transfer Case Type (Yes (True) / No (False))
2 Button (Active / Inactive)
2nd Row Driver's Side Belt Tension Sensor Circuit Fault (Fault / No Fault)
2nd Row Driver's Side Belt Tension Sensor Circuit Fault (Yes (True) / No (False))
2nd Row Driver's Side Belt Tension Sensor Open Circuit (Fault / No Fault)
2nd Row Driver's Side Belt Tension Sensor Open Circuit (Yes (True) / No (False))
2nd Row Driver's Side Belt Tension Sensor Short to Battery (Fault / No Fault)
2nd Row Driver's Side Belt Tension Sensor Short to Battery (Yes (True) / No (False))
2nd Row Driver's Side Belt Tension Sensor Short to Ground (Fault / No Fault)
2nd Row Driver's Side Belt Tension Sensor Short to Ground (Yes (True) / No (False))
2nd Row Passenger's Side Belt Tension Sensor Circuit Fault (Fault / No Fault)
2nd Row Passenger's Side Belt Tension Sensor Circuit Fault (Yes (True) / No (False))
2nd Row Passenger's Side Belt Tension Sensor Open Circuit (Fault / No Fault)
2nd Row Passenger's Side Belt Tension Sensor Open Circuit (Yes (True) / No (False))
2nd Row Passenger's Side Belt Tension Sensor Short to Battery (Fault / No Fault)
2nd Row Passenger's Side Belt Tension Sensor Short to Battery (Yes (True) / No (False))
2nd Row Passenger's Side Belt Tension Sensor Short to Ground (Fault / No Fault)

2nd Row Passenger's Side Belt Tension Sensor Short to Ground (Yes (True) / No (False))
2WD Solenoid Output Solenoid Open Circuit (Yes (True) / No (False))
2WD Solenoid Output Solenoid Output State (Enable(d) / Disable(d))
2WD Solenoid Output Solenoid Short to Battery (Yes (True) / No (False))
2WD Solenoid Output Solenoid Short to Ground (Yes (True) / No (False))
3 Button (Active / Inactive)
32-Bit Addressing Command (Blocks)
4 Button (Active / Inactive)
4 X 4 Low (4x4 / 4x2)
4 X 4 Low Requested (4x4 / 4x2)
4WD Axle Lock Lamp Output Open Circuit (Yes (True) / No (False))
4WD Axle Lock Lamp Output Short to Battery (Yes (True) / No (False))
4WD Axle Lock Lamp Output Short to Ground (Yes (True) / No (False))
4WD Axle Lock Lamp Output State (Enable(d) / Disable(d))
4WD Center Axle Disconnect Driver Open Circuit (Yes (True) / No (False))
4WD Center Axle Disconnect Driver Short to Battery (Yes (True) / No (False))
4WD Center Axle Disconnect Driver Short to Ground (Yes (True) / No (False))
4WD Center Axle Disconnect Driver Status (On / Off)
4WD Center Axle Engage Open Circuit (Yes (True) / No (False))
4WD Center Axle Engage Short to Battery (Yes (True) / No (False))
4WD Center Axle Engage Short to Ground (Yes (True) / No (False))
4WD Center Axle Engage State (On / Off)
4WD Clutch Electric Output Open Circuit (Yes (True) / No (False))
4WD Clutch Electric Output Short to Battery (Yes (True) / No (False))
4WD Clutch Electric Output Short to Ground (Yes (True) / No (False))
4WD Clutch Electric Output State (On / Off)
4WD Clutch PWM Output Open Circuit (Yes (True) / No (False))
4WD Clutch PWM Output Short to Battery (Yes (True) / No (False))
4WD Clutch PWM Output Short to Ground (Yes (True) / No (False))
4WD Clutch PWM Output State (On / Off)
4WD High Driver Open Circuit (Yes (True) / No (False))
4WD High Driver Output State (On / Off)
4WD High Driver Short to Battery (Yes (True) / No (False))
4WD High Driver Short to Ground (Yes (True) / No (False))
4WD Indicator Driver Open Circuit (Yes (True) / No (False))
4WD Indicator driver Output state (On / Off)
4WD Indicator Driver short to battery (Yes (True) / No (False))
4WD Indicator Driver short to Ground (Yes (True) / No (False))
4WD Low Driver Open Circuit (Yes (True) / No (False))
4WD Low Driver Output State (On / Off)
4WD Low Driver Short to Battery (Yes (True) / No (False))
4WD Low Driver Short to Ground (Yes (True) / No (False))
4WD Solenoid Output Solenoid Open Circuit (Yes (True) / No (False))
4WD Solenoid Output Solenoid Output State (Enable(d) / Disable(d))
4WD Solenoid Output Solenoid Short to Battery (Yes (True) / No (False))
4WD Solenoid Output Solenoid Short to Ground (Yes (True) / No (False))
4x4 Auto (Active / Inactive)
4x4 Control Module (4x4CM)\$19 (Yes (True) / No (False))
4x4 Control Module Request Wrench Telltale (Yes (True) / No (False))
4x4 High (Active / Inactive)
4x4 High (Enable(d) / Disable(d))

4x4 High Input Status (Active / Inactive)
4x4 Low (Active / Inactive)
4x4 Low (Enable(d) / Disable(d))
4x4 Low (I4x4L)output fault detected (Yes (True) / No (False))
4x4 Low (In / Out)
4x4 Low (In / Out)
4x4 Low (In / Out)
4x4 Low (In / Out)
4x4 Low Input Status (Active / Inactive)
4x4 Low Mode Switch LED Open Circuit or Short to Ground (Yes (True) / No (False))
4x4 Low Mode Switch LED Output State (On / Off)
4x4 Low Mode Switch LED Short to Battery (Yes (True) / No (False))
4X4CM (Yes (True) / No (False))
4x4CM (Yes (True) / No (False))
4X4L Switch hardware is present (Yes (True) / No (False))
5 Button (Active / Inactive)
5-Tire Pressure Monitor System (Yes (True) / No (False))
6 Button (Active / Inactive)
6 CD Player (Yes (True) / No (False))
6-bit Variable Output Voltage #1 (% full)
6-bit Variable Output Voltage #2 (% full)
7 Button (Active / Inactive)
8 Button (Active / Inactive)
8-bit Variable Output Voltage #1 (% full)
8-bit Variable Output Voltage #2 (% full)
9 Button (Active / Inactive)
A/C (On / Off)
A/C (On / Off)
A/C (Yes (True) / No (False))
A/C Blend Door Output Position (Close / Open)
A/C Blower Motor Output Relay (Energize / De-energize)
A/C Blower Motor Output Speed 1 (High / Low)
A/C Blower Motor Output Speed 2 (High / Low)
A/C Bus Voltage (V)
A/C Clutch Output Fault Detected (Yes (True) / No (False))
A/C Compressor Temperature (°C)
A/C Current Available (A)
A/C Demand Switch Input (Enable(d) / Disable(d))
A/C Driver Heater Sensor (°C)
A/C Enabled (Enable(d) / Disable(d))
A/C Evaporator Temperature Sensor Circuit (Fault / No Fault)
A/C Full Demand Switch (for Battery Compartment)(On / Off)
A/C Full Demand Switch (for Passenger Compartment)(On / Off)
A/C Low Pressure Switch (Enable(d) / Disable(d))
A/C Mode Door Output Position (Close / Open)
A/C Passenger Heater Sensor (°C)
A/C Post Evaporator Air Temperature (°C)
A/C Post Evaporator Air Temperature voltage (V)
A/C Post Evaporator Sensor Input Voltage (V)
A/C Present (Yes (True) / No (False))
A/C Pressure (kPa)

A/C Pressure Sensor (PSI)
A/C Pressure Sensor raw signal (Counts)
A/C Recirculation Switch (On / Off)
A/C Refrigerant Distribution Valve commanded state (On / Off)
A/C Refrigerant Distribution Valve output fault detected (Yes (True) / No (False))
A/C request SW (On / Off)
A/C System Fault (Yes (True) / No (False))
A/D Value Control Sensor (Counts)
A/D Value Flame Sensor (Counts)
A/D Value Overheat Sensor (Counts)
AAT: Ambient air temperature. See Annex B of ISO 15031-5 for full specification. (°C)
A-B or A-C pillar Curtain Circuit Open, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Open, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Open, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Open, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Res. Low on Squib, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Res. Low on Squib, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Res. Low on Squib, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Res. Low on Squib, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Battery, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Battery, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Battery, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Battery, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Ground, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Ground, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Ground, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain Circuit Short to Ground, Pass. Side (Yes (True) / No (False))
A-B or A-C pillar Curtain, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain, Driver Side (Yes (True) / No (False))
A-B or A-C pillar Curtain, Passenger Side (Yes (True) / No (False))
A-B or A-C pillar Curtain, Passenger Side (Yes (True) / No (False))
Above High Speed Threshold (Yes (True) / No (False))
Above Low Speed Threshold (Yes (True) / No (False))
ABS (Active / Inactive)
ABS (Active / Inactive)
ABS / TCS / IVD (Yes (True) / No (False))
ABS active (Active / Inactive)
ABS Active Input Signal Status (Active / Inactive)
ABS Front Fill Solenoid Open Circuit (Yes (True) / No (False))
ABS Front Fill Solenoid Output State (Enable(d) / Disable(d))
ABS Front Fill Solenoid Short to Battery (Yes (True) / No (False))
ABS Front Fill Solenoid Short to Ground (Yes (True) / No (False))
ABS Front Gate Solenoid Open Circuit (Yes (True) / No (False))
ABS Front Gate Solenoid Output State (Enable(d) / Disable(d))
ABS Front Gate Solenoid Short to Battery (Yes (True) / No (False))
ABS Front Gate Solenoid Short to Ground (Yes (True) / No (False))
ABS Motor (Active / Inactive)
ABS On/Off (On / Off)
ABS Power Relay Output State (On / Off)
ABS Process Byte (Counts)
ABS Pump Motor Relay Open Circuit (Yes (True) / No (False))

ABS Pump Motor Relay Output State (Enable(d) / Disable(d))
ABS Pump Motor Relay Short to Battery (Yes (True) / No (False))
ABS Pump Motor Relay Short to Ground (Yes (True) / No (False))
ABS Rear Fill Solenoid Open Circuit (Yes (True) / No (False))
ABS Rear Fill Solenoid Output State (Enable(d) / Disable(d))
ABS Rear Fill Solenoid Short to Battery (Yes (True) / No (False))
ABS Rear Fill Solenoid Short to Ground (Yes (True) / No (False))
ABS Rear Gate Solenoid Open Circuit (Yes (True) / No (False))
ABS Rear Gate Solenoid Output State (Enable(d) / Disable(d))
ABS Rear Gate Solenoid Short to Battery (Yes (True) / No (False))
ABS Rear Gate Solenoid Short to Ground (Yes (True) / No (False))
ABS Tire warning reset switch status (Enable(d) / Disable(d))
ABS Valve Relay Open Circuit (Yes (True) / No (False))
ABS Valve Relay Output State (Enable(d) / Disable(d))
ABS Valve Relay Short to Battery (Yes (True) / No (False))
ABS Valve Relay Short to Ground (Yes (True) / No (False))
ABS Warning Indicator Input Status (Active / Inactive)
ABS Warning Lamp Driver Open Circuit (Yes (True) / No (False))
ABS Warning Lamp Driver Output State (On / Off)
ABS Warning Lamp Driver Short to Battery (Yes (True) / No (False))
ABS Warning Lamp Driver Short to Ground (Yes (True) / No (False))
ABS Warning Signal (Applied / Not Applied)
ABS/TCS/IVD (Yes (True) / No (False))
Absolute Throttle Position Sensor (% full throttle)
AC Clutch Commanded State (On / Off)
AC Clutch Primary Circuit Monitor High (Yes (True) / No (False))
AC Enable Input (Yes (True) / No (False))
AC Pressure High (Yes (True) / No (False))
AC Request Input Status (Yes (True) / No (False))
AC Request Sw (Active / Inactive)
AC Requested (Yes (True) / No (False))
ACC Position (Yes (True) / No (False))
ACC Status (/)
Acceleration #1 Switch (Active / Inactive)
Acceleration #2 Switch (Active / Inactive)
Acceleration Signal (from PCM)(Yes (True) / No (False))
Acceleration Signal (from PCM)(Yes (True) / No (False))
Acceleration Signal (from PCM)(Yes (True) / No (False))
Accelerator Pedal Mode
Accelerator Pedal Position (%)
Accelerator Pedal Position (100 percent is fully depressed)at time of J1979 Mode \$02 freeze frame (%)
Accelerator Pedal Position Sensor #1 voltage (V)
Accelerator Pedal Position Sensor #2 voltage (V)
Accelerator Pedal Position Sensor #3 voltage (V)
Accelerator Position Sensor 1 - Voltage (V)
Accelerator Position Sensor 2 - Voltage (V)
Accelerator Position Sensor 3 - Voltage (V)
Accelerator Position Sensor Normalized (%)
Accelerometer (G's)
Accelerometer Sensors Supply Voltage (10 bit A/D)(V)

Accessory Delay Driver Open Circuit (Yes (True) / No (False))
Accessory Delay Driver Output State (On / Off)
Accessory Delay Driver Short to Battery (Yes (True) / No (False))
Accessory Delay Driver Short to Ground (Yes (True) / No (False))
Accessory Delay Relay Circuit (Active / Inactive)
Accessory/Run input status to voice (Active / Inactive)
ACCM Relay Enabled (Enable(d) / Disable(d))
ACDS (AC Diagnostic Switch)input for AC clutch control indicates AC compressor should not operate (Yes (True) / No (False))
ACDS2 (an additional AC Diagnostic Switch)input indicates that AC compressor should not operate (Yes (True) / No (False))
ACM (Yes (True) / No (False))
ACM (Yes (True) / No (False))
Activate Mute (Yes (True) / No (False))
Activation switch input (Active / Inactive)
Active failure set at start of dynamic braking actuation (Yes (True) / No (False))
Active Mount Control commanded state (On / Off)
Active Mount Control output fault detected (Yes (True) / No (False))
Active Yaw Control (Active / Inactive)
Actual EGR Mass Flow. The value \$FFFF is reserved to indicate invalid data. (g/sec)
Actual locking torque (NM Torque)
ACU Bleed Check Done (Yes (True) / No (False))
ACU Bleed Check Failed (Yes (True) / No (False))
ACU Bleed Check Pending (Yes (True) / No (False))
ACU Bleed Check Undefined (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Open - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Res. Low on Squib - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery, Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery, Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery, Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Battery, Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #1, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #1, Driver Side (Yes (True) / No (False))

A-D pillar Curtain Circuit Short to Ground - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #1, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #2, Driver Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #2, Pass. Side (Yes (True) / No (False))
A-D pillar Curtain Circuit Short to Ground - Loop #2, Pass. Side (Yes (True) / No (False))
Adaptation where 0=enabled and 1=disabled (note the inverted sense)(Disable(d) / Enable(d))
Adaptive Cruise Control (ACC)(Active / Inactive)
Adaptive Cruise Control (ACC)High Priority Chime (Active / Inactive)
Adaptive Cruise Control (ACC)Low Priority Chime (Active / Inactive)
Adaptive Cruise Control Warning (Active / Inactive)
Adaptive offset of Idle Air Control (IAC), in percent of the full range of the controller (%)
Adaptive Table 1 Failure Mode (Yes (True) / No (False))
Adaptive Table 2 Failure Mode (Yes (True) / No (False))
Additive Pump commanded state (On / Off)
Additive tank gauge commanded state (gauging On/Off)(On / Off)
Address of block of range data used when re-flashing tire size and axle ratio in VID block.
Address of data structure used to access data stored by the VSC (Vehicle System Controller)
Adjust Friction Coefficient 1 Set Point
Adjust Friction Coefficient 2 Set Point
Adjust Friction Coefficient 3 Set Point
Adjust Friction Coefficient General Set Point
Adjust Touch Point 1 Set Point (mm)
Adjust Touch Point 2 Set Point (mm)
Adjust Touch Point 3 Set Point (mm)
Adjustable Pedal Rearward/Forward Position (Counts)
Adjustable Pedals (On / Off)
Adjustable Position Control Set Point for Clutch Motor (mm)
Adjustable Position Control Speed Set Point for Clutch Motor (mm/s)
Adjustable Voltage Control Set Point for Clutch Motor (V)
Adjustable Voltage Control Set Point for Select Motor (V)
Adjustable Voltage Control Set Point for Shift Motor (V)
AFCM (Alternate Fuel Control Module)(Yes (True) / No (False))
AFCM (Alternate Fuel Control Module)(Yes (True) / No (False))
AFS check switch (On / Off)
AFS control status (On / Off)
Air Assist Injection (AAI)Air Valve Duty Cycle (%)
Air Assist Injection (AAI)Air Valve output fault detected (open circuit or short to ground)(Yes (True) / No (False))
Air Assist Injection (AAI)Air Valve output overcurrent fault detected (shorted load or short to VPWR)(Yes (True) / No (False))
Air Bag Chime (Active / Inactive)
Air Bag Circuit Open - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #1, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #1, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Open - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #1, Front Pass. side (Yes (True) / No (False))

Air Bag Circuit Short to Battery - Loop #1, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Battery - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #1, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #1, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #1, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #2, Front Driver side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Circuit Short to Ground - Loop #2, Front Pass. side (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Circuit Resist. Low on Squib (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Open (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Open (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Resist. Low on Squib (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Short to Battery (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Short to Battery (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Short to Ground (Yes (True) / No (False))
Air Bag Driver Front Adaptive Tether Short to Ground (Yes (True) / No (False))
Air Bag Driver Front CAN Vent Circuit Resist. Low on Squib (Yes (True) / No (False))
Air Bag Driver Front Can Vent Circuit Resist. Low on Squib (Yes (True) / No (False))
Air Bag Driver Front CAN Vent Open (Yes (True) / No (False))
Air Bag Driver Front Can Vent Open (Yes (True) / No (False))
Air Bag Driver Front CAN Vent Short to Battery (Yes (True) / No (False))
Air Bag Driver Front Can Vent Short to Battery (Yes (True) / No (False))
Air Bag Driver Front CAN Vent Short to Ground (Yes (True) / No (False))
Air Bag Driver Front Can Vent Short to Ground (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #1, F.Pass. Side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #1, F.Pass. side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #1, F. Drv side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #1, F. Drv side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #2, F.Pass. side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #2, F.Pass. side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #2, F. Drv side (Yes (True) / No (False))
Air Bag Infl. Circ. Resist. Low on Squib-Loop #2, F. Drv side (Yes (True) / No (False))
Air Bag Monitor Bracket Ground Resistance (Counts)
Air Bag Monitor Bracket Ground Resistance A/D Count (Ohms)
Air Bag Passenger Front Adaptive Tether Circuit Resist. Low on Squib (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Open (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Open (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Resist. Low on Squib (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Short to Battery (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Short to Battery (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Short to Ground (Yes (True) / No (False))
Air Bag Passenger Front Adaptive Tether Short to Ground (Yes (True) / No (False))
Air Bag Passenger Front Can Vent Circuit Resist. Low on Squib to Grou (Yes (True) / No (False))
Air Bag Passenger Front CAN Vent Open (Yes (True) / No (False))

Air Bag Passenger Front Can Vent Open (Yes (True) / No (False))
Air Bag Passenger Front CAN Vent Resist. Low on Squib (Yes (True) / No (False))
Air Bag Passenger Front CAN Vent Short to Battery (Yes (True) / No (False))
Air Bag Passenger Front Can Vent Short to Battery (Yes (True) / No (False))
Air Bag Passenger Front CAN Vent Short to Ground (Yes (True) / No (False))
Air Bag Passenger Front Can Vent Short to Ground (Yes (True) / No (False))
Air Bleeding Check Completed Status (Yes (True) / No (False))
Air Cleaner Inlet Shutter Valve. Also known as VAD. (Energize / De-energize)
Air conditioning (indicates AC compressor load)(Active / Inactive)
Air Conditioning Clutch (On / Off)
Air conditioning offset of Idle Air Control (IAC), in percent of the full range of the controller (%)
Air Filter Minder Switch (Active / Inactive)
Air Filter Minder Warning (Active / Inactive)
Air Flow Blend Door Driver Circuit Failure (Fault / No Fault)
Air Flow Rate from MAF Sensor (g/sec)
Air Fuel Ratio
Air Fuel Ratio actual
Air intake servo potentiometer feedback (%)
Air intake target value (%)
Air Leveling Disabled (Yes (True) / No (False))
Air Reservoir Solenoid Output Open (Yes (True) / No (False))
Air Reservoir Solenoid Output Short to Battery (Yes (True) / No (False))
Air Reservoir Solenoid Output Short to Ground (Yes (True) / No (False))
Air Reservoir Solenoid Output Status (Open / Close(d))
Air Spring Supply Shorted to Battery (Fault / No Fault)
Air Spring Supply Shorted to Ground (Fault / No Fault)
Air Suspension at Accurate Trim (Yes (True) / No (False))
Air Suspension Disable Switch (Active / Inactive)
Air Suspension LF Air Spring / Shock Solenoid Output Circuit Open (Fault / No Fault)
Air Suspension LF Air Spring / Shock Solenoid Output Circuit Short To Battery (Fault / No Fault)
Air Suspension LF Air Spring / Shock Solenoid Output Circuit Short To Ground (Fault / No Fault)
Air Suspension LF Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension LF Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension LF Height Sensor Supply Open/Short Circuit to Ground (Fault / No Fault)
Air Suspension LF Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension LF Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension LF Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension LF Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension LR Air Spring / Shock Solenoid Output Circuit Open (Fault / No Fault)
Air Suspension LR Air Spring / Shock Solenoid Output Circuit Short To Battery (Fault / No Fault)
Air Suspension LR Air Spring / Shock Solenoid Output Circuit Short To Ground (Fault / No Fault)
Air Suspension LR Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension LR Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension LR Height Sensor Supply Open/Short Circuit to Ground (Fault / No Fault)
Air Suspension LR Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension LR Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension LR Height Sensor Supply Short Circuit to Ground (Fault / No Fault)

Air Suspension LR Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension or Ride Control Fault (Active / Inactive)
Air Suspension Position Sensor Displacement From Trim (m)
Air Suspension Pressure Sensor (Bar)
Air Suspension Pressure Sensor (mV)(mV)
Air Suspension Pressure Sensor Supply (V)
Air Suspension RF Air Spring / Shock Solenoid Output Circuit Open (Fault / No Fault)
Air Suspension RF Air Spring / Shock Solenoid Output Circuit Short To Battery (Fault / No Fault)
Air Suspension RF Air Spring / Shock Solenoid Output Circuit Short To Ground (Fault / No Fault)
Air Suspension RF Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension RF Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension RF Height Sensor Supply Open/Short Circuit to Ground (Fault / No Fault)
Air Suspension RF Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension RF Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension RF Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension RF Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension RR Air Spring / Shock Solenoid Output Circuit Open (Fault / No Fault)
Air Suspension RR Air Spring / Shock Solenoid Output Circuit Short To Battery (Fault / No Fault)
Air Suspension RR Air Spring / Shock Solenoid Output Circuit Short To Ground (Fault / No Fault)
Air Suspension RR Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension RR Height Sensor Supply Circuit Open (Fault / No Fault)
Air Suspension RR Height Sensor Supply Open/Short Circuit to Ground (Fault / No Fault)
Air Suspension RR Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension RR Height Sensor Supply Short Circuit to Battery (Fault / No Fault)
Air Suspension RR Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension RR Height Sensor Supply Short Circuit to Ground (Fault / No Fault)
Air Suspension Warning (On / Off)
Air Suspension Warning Lamp Driver Open Circuit (Yes (True) / No (False))
Air Suspension Warning Lamp Driver Output State (On / Off)
Air Suspension Warning Lamp Driver Short to Battery (Yes (True) / No (False))
Air Suspension Warning Lamp Driver Short to Ground (Yes (True) / No (False))
Airbag (Active / Inactive)
Airbag Adaptive Tether Front Driver (Yes (True) / No (False))
Airbag Adaptive Tether Front Driver (Yes (True) / No (False))
Airbag Adaptive Tether Front Passenger (Yes (True) / No (False))
Airbag Adaptive Tether Front Passenger (Yes (True) / No (False))
Airbag Bracket Ground Bracket Resistance A/D Count (Ohms)
Airbag Bracket Ground Bracket Resistance A/D Count (Ohms)
Airbag Driver Front Can Vent (Yes (True) / No (False))
Airbag Driver Front Can Vent (Yes (True) / No (False))
Airbag Driver Front Loop #1 (Yes (True) / No (False))
Airbag Driver Front Loop #1 (Yes (True) / No (False))
Airbag Driver Front Loop #2 (Yes (True) / No (False))
Airbag Driver Front Loop #2 (Yes (True) / No (False))
Airbag Input Status (Active / Inactive)
Airbag Monitor Bracket Ground Resistance (Ohms)
Airbag Passenger Front Can Vent (Yes (True) / No (False))

Airbag Passenger Front Can Vent (Yes (True) / No (False))
Airbag Passenger Front Loop #1 (Yes (True) / No (False))
Airbag Passenger Front Loop #1 (Yes (True) / No (False))
Airbag Passenger Front Loop #2 (Yes (True) / No (False))
Airbag Passenger Front Loop #2 (Yes (True) / No (False))
Airbag Secondary Warning (Active / Inactive)
Airbag Secondary Warning (Enable(d) / Disable(d))
Alarm Activation Horn (On / Off)
Alarm Arm (On / Off)
Alarm horn (Active / Inactive)
Alarm Horn output feedback (Active / Inactive)
Alarm Horn Status (On / Off)
Alarm Inhibit Switch (Active / Inactive)
ALCH_PCT: Alcohol Fuel Percentage. \$FF is 100% alcohol. See Annex B of ISO 15031-5 for full spec. (%)
All Catalyst Faults Monitored since Power-up (Yes (True) / No (False))
All CCM (Comprehensive Component Monitor)Faults Monitored since Power-up (Yes (True) / No (False))
All Display Segments ON/OFF (Enable(d) / Disable(d))
All Doors Lock Driver Open Circuit (Yes (True) / No (False))
All Doors Lock Driver Output State (Enable(d) / Disable(d))
All Doors Lock Driver Short to Battery (Yes (True) / No (False))
All Doors Lock Driver Short to Ground (Yes (True) / No (False))
All Doors Lock Relay (Output)(Active / Inactive)
All Doors Lock Sense (Active / Inactive)
All Doors Unlock Driver Open Circuit (Yes (True) / No (False))
All Doors Unlock Driver Open Circuit (Yes (True) / No (False))
All Doors Unlock Driver Output State (Enable(d) / Disable(d))
All Doors Unlock Driver Short to Battery (Yes (True) / No (False))
All Doors Unlock Driver Short to Ground (Yes (True) / No (False))
All EGR Faults Monitored since Power-Up (Yes (True) / No (False))
All Evaporative System (purge)Faults Monitored since Power-up (Yes (True) / No (False))
All Fuel Faults Monitored since Power-up (Yes (True) / No (False))
All LCD Segments (Enable(d) / Disable(d))
All O2S Faults Monitored since Power-up (Yes (True) / No (False))
All Unlock Control (Yes (True) / No (False))
All Unlock Control Battery Short (Yes (True) / No (False))
All Unlock Control Ground Short (On / Off)
All Unlock Control Open Circuit (Yes (True) / No (False))
All Warning Lamps (Energize / De-energize)
All Warning Lamps (Energize / De-energize)
All Wheel Drive (Active / Inactive)
All Wheel Drive OFF Warning (Active / Inactive)
All Wheel Drive Oil Pressure (Bar)
All Wheel Drive Oil Pressure commanded
Alternator Control Field output duty cycle (%)
Alternator Field sig mk-space Ratio
Alternator Regulator Control (ARC)(Smart Alternator)output fault detected (Yes (True) / No (False))
Alternator Regulator Control 2 (ARC2/GENCOM2)(Smart Alternator)output fault detected. (Yes (True) / No (False))

Alternator Sense Line (Active / Inactive)
Alternator Status (On / Off)
Alternator Voltage (Mazda)(V)
Alternator Warning Lamp Commanded State (On / Off)
Alternator Warning Lamp Output Fault Detected (Yes (True) / No (False))
AM Switch (Active / Inactive)
AM/FM (Active / Inactive)
AMP Enable (Active / Inactive)
Antenna Height Select Switch (High / Mid)
Antenna Reception Signal Strength (Counts)
Antenna Signal Strength (dBuV)
Anti Theft Indicator or Warning (Active / Inactive)
Anti Theft Sounder Out FB (Active / Inactive)
Antilock Brake Fault (Active / Inactive)
Antilock Brake Module (ABS)\$28 (Yes (True) / No (False))
Anti-lock function disabled (Yes (True) / No (False))
Anti-locking feature active (Yes (True) / No (False))
Anti-Scan Function (Enable(d) / Disable(d))
Anti-Theft Indicator (Enable(d) / Disable(d))
Anti-Theft Indicator (Enable(d) / Disable(d))
Anti-Theft Indicator (Energize / De-energize)
Anti-Theft Indicator Driver Open Circuit (Yes (True) / No (False))
Anti-Theft Indicator Driver Output State (Enable(d) / Disable(d))
Anti-Theft Indicator Driver Short to Battery (Yes (True) / No (False))
Anti-Theft Indicator Driver Short to Ground (Yes (True) / No (False))
Antitheft Inhibit SW (On / Off)
Any Seat Belt Fastened (Yes (True) / No (False))
APIM - Phone Call (Active / Inactive)
APIM Mono Primary Source (Active / Inactive)
APIM Stereo Primary Source (Active / Inactive)
APIM Stereo Secondary Source (Active / Inactive)
APP_D: Accelerator Pedal Position D. See Annex B of ISO 15031-5 for full specification. (%)
APP_E: Accelerator Pedal Position E. See Annex B of ISO 15031-5 for full specification. (%)
APP_F: Accelerator Pedal Position F. See Annex B of ISO 15031-5 for full specification. (%)
Apply Switch Active (Yes (True) / No (False))
Arrow FWD (Active / Inactive)
Arrow REW (Active / Inactive)
ASM (Auto Shift Mode)is selected. (Yes (True) / No (False))
Audible Warning ON (Yes (True) / No (False))
Audio Bezel Button Pressed (Yes (True) / No (False))
Audio Button (Active / Inactive)
Audio Control Module (ACM)\$80 (Yes (True) / No (False))
Audio Digital Signal Processing Module (DSP)(Yes (True) / No (False))
Audio Rear Control Unit (RCU)(Yes (True) / No (False))
Audio Security Identification
Audio Source (Active / Inactive)
Audio Speaker Walkaround (% full volume)
Audio Steering Switch Circuit Resistance (Counts)
Audio Switch Input Voltage (V)
Audio System Signal (ON)(ASYSON)Feedback Sensed (Active / Inactive)
Audio Volume (%)

Auto (Active / Inactive)
Auto (On / Off)
Auto (Yes (True) / No (False))
Auto Headlamp Relay Status Monitor (Active / Inactive)
Auto Headlamp Relay Status Secondary Monitor (Active / Inactive)
Auto Trans Park-in-Park Applied (On / Off)
Auto Trans Park-in-Park Release (On / Off)
Autolamp Analog Input Status (% full on)
Autolamp Circuit (Active / Inactive)
Autolamp Delay Decrease Switch (Active / Inactive)
Autolamp Delay Increase Switch (Active / Inactive)
Autolamp Delay Time (s)
Autolamp Indicator (Energize / De-energize)
Autolamp Off Switch (Active / Inactive)
Autolamp On Driver Open Circuit (Yes (True) / No (False))
Autolamp On Driver Output State (On / Off)
Autolamp On Driver Short to Battery (Yes (True) / No (False))
Autolamp On Driver Short to Ground (Yes (True) / No (False))
Autolamp ON Switch (Active / Inactive)
Autolamps (On / Off)
Autolighting (On / Off)
AutoLock Feature (On / Off)
Automatic (On / Off)
Automatic 4WD Indicator Output Open Circuit (Yes (True) / No (False))
Automatic 4WD Indicator Output Short to Battery (Yes (True) / No (False))
Automatic 4WD Indicator Output Short to Ground (Yes (True) / No (False))
Automatic 4WD Indicator Output State (Enable(d) / Disable(d))
Automatic Volume Control Gain (dB)
Auto-Memory Switch (Active / Inactive)
Autoset Switch (Active / Inactive)
AutoUnlock Feature (On / Off)
Aux (Active / Inactive)
Aux Air Blend Door Position Feedback (% full open)
Aux Air Mode Door Position Feedback (% full open)
Aux Blower Speed Setting Percent (Rear)(% Speed)
Aux Heater Request Input (On / Off)
Aux HVAC 5 Volt Sensor Feedback
Aux Rear Temp Setting (% Knob Rotation (CW))
Aux Solenoid Driver Open Circuit (Yes (True) / No (False))
Aux Solenoid Driver Output State (On / Off)
Aux Solenoid Driver Short to Battery (Yes (True) / No (False))
Aux Solenoid Driver Short to Ground (Yes (True) / No (False))
Aux Solenoid Indicator Lamp Driver Open Circuit (Yes (True) / No (False))
Aux Solenoid Indicator Lamp Driver Output State (On / Off)
Aux Solenoid Indicator Lamp Driver Short to Battery (Yes (True) / No (False))
Aux Solenoid Indicator Lamp Driver Short to Ground (Yes (True) / No (False))
Aux. Memory Off Switch (Active / Inactive)
Aux. Memory Set / Recall 1 Switch (Active / Inactive)
Aux. Memory Set / Recall 2 Switch (Active / Inactive)
Aux. Memory Set / Recall 3 Switch (Active / Inactive)
Aux. Memory Set Switch (Active / Inactive)

AUX1 (Active / Inactive)
AUX2 (Active / Inactive)
Auxiliary Blower Speed Setting (A/D counts)
Auxiliary Brake Motor Relay (Energize / De-energize)
Auxiliary Brake Motor Warning Lamp (On / Off)
Auxiliary Contactor Input Fault (Yes (True) / No (False))
Auxiliary Contactor Input Status (Enable(d) / Disable(d))
Auxiliary Contactor Output Fault (Yes (True) / No (False))
Auxiliary Contactor Output Status (Enable(d) / Disable(d))
Auxiliary Current (A)
Auxiliary Motor Input (On / Off)
Auxiliary Sensor Voltage (V)
Auxiliary Switch (Active / Inactive)
Auxiliary Temperature Blend Door Position (A/D counts)
Auxiliary Temperature Setting (A/D counts)
Average Battery Module Depth of Discharge (%)
Average Battery Module Temperature (°C)
Average Economy Icon (English)(Enable(d) / Disable(d))
Average Economy Icon (Metric)(Enable(d) / Disable(d))
Average Fuel Consumed During This Trip (L/hr)
Average Fuel Consumption During This Trip (L/100km)
Average Fuel Economy - Metric (L/100 km)
Average Speed Icon (English)(Enable(d) / Disable(d))
Average Speed Icon (Metric)(Enable(d) / Disable(d))
Average Vehicle Speed - Metric (KPH)
Average Vehicle Speed while Engine is Running During This Trip (KPH)
Awake (Active / Inactive)
Awake (Active / Inactive)
Awake (Active / Inactive)
Awake (Active / Inactive)
Awake (Active / Inactive)
AWD (All Wheel Drive)Oil Temperature before any FMEM substitution (°C)
AWD (All Wheel Drive)Pump Status (On / Off)
Axle Ratio active
Axle Torque (NM Torque)
Back Thermal Electric Device TED Temperature (°C)
Back/Home Button Pressed (Yes (True) / No (False))
Backlight Error (Yes (True) / No (False))
Backlite Release SW (On / Off)
Backup Lamp 1 (Right Reverse)FB (Active / Inactive)
Backup Lamp 2 (Left Reverse)FB (Active / Inactive)
Backup lamp relay (On / Off)
Backup Lamp SW (On / Off)
Backup Lamps (On / Off)
Backup Lamps Switch (Active / Inactive)
Backup Warning Chime (Active / Inactive)
Backup Warning Chime (Enable(d) / Disable(d))
Balance Switch (Active / Inactive)
Balance-valve 1 (On / Off)
Balance-valve 2 (On / Off)
Band Switch (Active / Inactive)

Bank 1 Adaptive Table Address, Size, Format
Bank 1 downstream closed loop controller (FAOS) - input error. (V)
Bank 1 Downstream O2 Sensor Heater Monitor High (Yes (True) / No (False))
Bank 1 Stream 1 (Upstream)O2 Sensor (O2S11 / HEGO11 / EGO11)Heater (On / Off)
Bank 1 Stream 1 (Upstream)O2 Sensor (O2S11 / HEGO11 / EGO11)Heater output fault detected (Yes (True) / No (False))
Bank 1 Stream 2 O2 Sensor (O2S12 / HEGO12 / EGO12)Heater (On / Off)
Bank 1 Stream 2 O2 Sensor (O2S12 / HEGO12 / EGO12)Heater output fault detected (Yes (True) / No (False))
Bank 1 Upstream O2 Sensor Heater Monitor High (Yes (True) / No (False))
Bank 2 Adaptive Table Address, Size, Format
Bank 2 downstream closed loop controller (FAOS) - input error. (V)
Bank 2 Downstream O2 Sensor Heater Monitor High (Yes (True) / No (False))
Bank 2 Stream 1 (Upstream)O2 Sensor (O2S21 / HEGO21 / EGO21)Heater (On / Off)
Bank 2 Stream 1 (Upstream)O2 Sensor (O2S21 / HEGO21 / EGO21)Heater output fault detected (Yes (True) / No (False))
Bank 2 Stream 2 O2 Sensor (O2S22 / HEGO22 / EGO22)Heater (On / Off)
Bank 2 Stream 2 O2 Sensor (O2S22 / HEGO22 / EGO22)Heater output fault detected (Yes (True) / No (False))
Bank 2 Upstream O2 Sensor Heater Monitor High (Yes (True) / No (False))
BARO: Barometric Pressure. See Annex B of ISO 15031-5 for full specification. (kPa)
Barometric Pressure (%(1ATM))
Barometric Pressure (In-Hg)
Barometric Pressure (kPa)
Barometric Pressure (V)
Barometric Pressure raw signal (A/D counts)
Barometric Pressure Reading (instead of EGR)(Yes (True) / No (False))
Barometric/EGR Pressure Select Solenoid Output Fault Detected (Yes (True) / No (False))
Bass Switch (Active / Inactive)
Battery Air Outlet Temperature (°C)
Battery Backup Sounder (BBS)interface input (Active / Inactive)
Battery Blend Door Closing (Enable(d) / Disable(d))
Battery Blend Door Opening (Enable(d) / Disable(d))
Battery Blend Door Position (Open / Close(d))
Battery Capacity Degraded Due to Insufficient Deep Cycling Fault (Yes (True) / No (False))
Battery Capacity Degraded due to sulfation fault (Yes (True) / No (False))
Battery Capacity Degraded Prematurely due to Customer Driving pattern (Yes (True) / No (False))
Battery Chilling Mode (Enable(d) / Disable(d))
Battery Cooling Mode (Enable(d) / Disable(d))
Battery Electrolyte Temperature (°C)
Battery Energy Control Module (Fault / No Fault)
Battery Heater 1 (Enable(d) / Disable(d))
Battery Heater 1 Fault (Yes (True) / No (False))
Battery Heater 2 (Enable(d) / Disable(d))
Battery Heater 2 Fault (Yes (True) / No (False))
Battery Heating Mode (Enable(d) / Disable(d))
Battery Integrity
Battery Line (Active / Inactive)
Battery Module 1 Fault (Yes (True) / No (False))
Battery Module 10 Fault (Yes (True) / No (False))
Battery Module 11 Fault (Yes (True) / No (False))

Battery Module 12 Fault (Yes (True) / No (False))
Battery Module 13 Fault (Yes (True) / No (False))
Battery Module 14 Fault (Yes (True) / No (False))
Battery Module 15 Fault (Yes (True) / No (False))
Battery Module 16 Fault (Yes (True) / No (False))
Battery Module 17 Fault (Yes (True) / No (False))
Battery Module 18 Fault (Yes (True) / No (False))
Battery Module 19 Fault (Yes (True) / No (False))
Battery Module 2 Fault (Yes (True) / No (False))
Battery Module 20 Fault (Yes (True) / No (False))
Battery Module 21 Fault (Yes (True) / No (False))
Battery Module 22 Fault (Yes (True) / No (False))
Battery Module 23 Fault (Yes (True) / No (False))
Battery Module 24 Fault (Yes (True) / No (False))
Battery Module 25 Fault (Yes (True) / No (False))
Battery Module 26 Fault (Yes (True) / No (False))
Battery Module 27 Fault (Yes (True) / No (False))
Battery Module 28 Fault (Yes (True) / No (False))
Battery Module 29 Fault (Yes (True) / No (False))
Battery Module 3 Fault (Yes (True) / No (False))
Battery Module 30 Fault (Yes (True) / No (False))
Battery Module 31 Fault (Yes (True) / No (False))
Battery Module 32 Fault (Yes (True) / No (False))
Battery Module 33 Fault (Yes (True) / No (False))
Battery Module 34 Fault (Yes (True) / No (False))
Battery Module 35 Fault (Yes (True) / No (False))
Battery Module 36 Fault (Yes (True) / No (False))
Battery Module 37 Fault (Yes (True) / No (False))
Battery Module 38 Fault (Yes (True) / No (False))
Battery Module 39 Fault (Yes (True) / No (False))
Battery Module 4 Fault (Yes (True) / No (False))
Battery Module 5 Fault (Yes (True) / No (False))
Battery Module 6 Fault (Yes (True) / No (False))
Battery Module 7 Fault (Yes (True) / No (False))
Battery Module 8 Fault (Yes (True) / No (False))
Battery Module 9 Fault (Yes (True) / No (False))
Battery Module Capacity (Amp - Hrs)
Battery Module Charge Cycles (Counts)
Battery Module Charge In (Lifetime)(Amp - Hrs)
Battery Module Charge Out (Lifetime)(Amp - Hrs)
Battery Module Energy In (Lifetime)(Watt-Hrs)
Battery Module Energy Out (Lifetime)(Watt-Hrs)
Battery Module Equalization Cycles (Counts)
Battery Module Lifetime Overcharge Ratio
Battery Module Low Voltage Flags (Counts)
Battery Module Total Drive Time (s)
Battery Module Voltage (V)
Battery Module Voltage Deviation Fault (Yes (True) / No (False))
Battery Over Voltage (Yes (True) / No (False))
Battery Over Voltage Shutdown (Yes (True) / No (False))
Battery Pack Charge In (Cycle)(Amp - Hrs)

Battery Pack Charge In (Lifetime)(Amp - Hrs)
Battery Pack Charge Out (Cycle)(Amp - Hrs)
Battery Pack Charge Out (Lifetime)(Amp - Hrs)
Battery Pack Charge Used (Cycle)(Amp - Hrs)
Battery Pack Diagnostic Status (Yes (True) / No (False))
Battery Pack Energy In Last Charge Cycle (Watt-Hrs)
Battery Pack Energy In Over Life of Pack (Watt-Hrs)
Battery Pack Energy Out Last Discharge Cycle (Watt-Hrs)
Battery Pack Energy Out Over Life of Pack (Watt-Hrs)
Battery Pack Integrity
Battery Pack State of Charge (SOC)(%)
Battery Pack Voltage (V)
Battery Power Limit at Discharge (Watts)
Battery Power Off signal frequency (Hz)
Battery Saver (On / Off)
Battery Saver Current (mA)
Battery Saver Driver Open Circuit (Yes (True) / No (False))
Battery Saver Driver Output State (On / Off)
Battery Saver Driver Short to Battery (Yes (True) / No (False))
Battery Saver Driver Short to Ground (Yes (True) / No (False))
Battery Saver Inhibit (Enable(d) / Disable(d))
Battery Saver Relay (Active / Inactive)
Battery Saver Relay Control (Energize / De-energize)
Battery Temperature Sensor 1 Out-of-Range (Yes (True) / No (False))
Battery Temperature Sensor 2 Out-of-Range (Yes (True) / No (False))
Battery Temperature Sensor 3 Out-of-Range (Yes (True) / No (False))
Battery Temperature Sensor 4 Out-of-Range (Yes (True) / No (False))
Battery Under Voltage (Yes (True) / No (False))
Battery Under Voltage Shutdown (Yes (True) / No (False))
Battery Ventilation Mode (Enable(d) / Disable(d))
Battery Voltage (V)
Battery Voltage (V)
Battery Voltage at time of Mode \$O2 freeze frame storage (V)
Battery Voltage Over or Under Threshold (Yes (True) / No (False))
BCM (Battery Controller Module)(Yes (True) / No (False))
BCM to IOM Diagnostic Output Status (High / Low)
Belt Minder Chime "A" (Active / Inactive)
Belt Minder Chime "B" (Active / Inactive)
Belt Minder Chime A (Active / Inactive)
Belt Minder Chime B (Active / Inactive)
Beltminder Chime Request (Active / Inactive)
Bias 15V OOR HVEC Shutdown (Yes (True) / No (False))
Blend door actual position (%)
Blend Door Target Position (%)
Blower (Fan)Feedback (Enable(d) / Disable(d))
Blower (Fan)Power (Enable(d) / Disable(d))
Blower drive voltage feedback (V)
Blower Fan (On / Off)
Blower Knob Position (A/D Counts)
Blower Motor (Active / Inactive)
Blower motor feedback speed (RPM)

Blower Motor Relay (On / Off)
Blower Motor Relay (On / Off)
Blower motor running (On / Off)
Blower Motor Speed - Actual Position (% boost)
Blower Motor Speed - Target Position (% boost)
Blower Motor Speed - Target Position (%)
Blower relay (On / Off)
Blower/Fan Sense Voltage (V)
Blue LED (Active / Inactive)
Bluetooth Device Connected (Yes (True) / No (False))
Bluetooth Device Paired (Yes (True) / No (False))
Bluetooth Reception Signal Strength
Body Accel Action Above Limit (Yes (True) / No (False))
Body Control Module B Status (Active / Inactive)
Bonnet (also known as Hood)(Open / Close(d))
Boost Air Temperature (°C)
Boost Air Temperature voltage (V)
Booster Brake Pedal Force Switch Normally Closed (Open / Close(d))
Booster brake pedal force switch normally closed (Open / Close(d))
Booster Brake Pedal Force Switch Normally Open (Open / Close(d))
Booster brake pedal force switch normally open (Open / Close(d))
Booster Learn Cycle Successful (Yes (True) / No (False))
Booster Main Pressure Transducer Failure (Yes (True) / No (False))
Booster Mechanical Failure (Yes (True) / No (False))
Booster Secondary Pressure Transducer Failure (Yes (True) / No (False))
Booster Solenoid (Energize / De-energize)
Booster solenoid (Energize / De-energize)
Booster Solenoid Abnormal Current (Yes (True) / No (False))
Booster Solenoid Brake Switch Failure (Yes (True) / No (False))
Booster Solenoid Circuit Failure (Yes (True) / No (False))
Booster Solenoid Normally Closed Switch Failure (Yes (True) / No (False))
Booster Solenoid Normally Open Switch Failure (Yes (True) / No (False))
Booster Solenoid Output Normally Closed State (Active / Inactive)
Booster Solenoid Output Normally Open State (Active / Inactive)
Booster Solenoid Output Open Circuit (Yes (True) / No (False))
Booster Solenoid Output Output State (Active / Inactive)
Booster Solenoid Output Over Current Condition (Yes (True) / No (False))
Booster Solenoid Output Short to Battery (Yes (True) / No (False))
Booster Solenoid Output Short to Ground (Yes (True) / No (False))
Booster Solenoid Output State (Active / Inactive)
Booster Solenoid Output Under Current Condition (Yes (True) / No (False))
Bottom Horizontal (7-Segment)(Enable(d) / Disable(d))
Bottom Left Vertical (7-Segment)(Enable(d) / Disable(d))
Bottom Right Vertical (7-Segment)(Enable(d) / Disable(d))
B-Pillar Open/Close Switch Input (Active / Inactive)
B-Pillar Open/Close Switch Input (Active / Inactive)
BPTS Movement Detection / Wake Up Signal Done (Yes (True) / No (False))
BPTS Movement Detection / Wake Up Signal Failed (Yes (True) / No (False))
BPTS Movement Detection / Wake Up Signal Pending (Yes (True) / No (False))
BPTS Movement Detection / Wake Up Signal Undefined (Yes (True) / No (False))
BPTS Offset Calibration Done (Yes (True) / No (False))

BPTS Offset Calibration Failed (Yes (True) / No (False))
BPTS Offset Calibration Pending (Yes (True) / No (False))
BPTS Offset Calibration Undefined (Yes (True) / No (False))
Brake Applied (Applied / Not Applied)
Brake Assist. (Active / Inactive)
Brake Bleed Check Done (Yes (True) / No (False))
Brake Bleed Check Failed (Yes (True) / No (False))
Brake Bleed Check Pending (Yes (True) / No (False))
Brake Bleed Check Undefined (Yes (True) / No (False))
Brake Booster Vacuum Level (mBar)
Brake Err Lamp (On / Off)
Brake Fluid Flow Switch (On / Off)
Brake Fluid Level (Low Range / Normal Range)
Brake Fluid Level Input (Counts)
Brake Fluid Level Okay (Yes (True) / No (False))
Brake Fluid Level Switch #1 (On / Off)
Brake Fluid Level Switch #2 (On / Off)
Brake Fluid Level Switch (On / Off)
Brake Fluid Line Hydraulic Pressure Sensor Input (Bar)
Brake Hydraulic Accumulator Temperature Signal (°C)
Brake Hydraulic Accumulator Travel Signal (mm)
Brake Hydraulic Master Cylinder Piston-Travel Signal 1 (mm)
Brake Hydraulic Master Cylinder Piston-Travel Signal 2 (mm)
Brake Hydraulic Pressure Transducer Accumulator Signal (Bar)
Brake Hydraulic Pressure Transducer Front Left Wheel Signal (Bar)
Brake Hydraulic Pressure Transducer Front Right Wheel Signal (Bar)
Brake Hydraulic Pressure Transducer Main Signal (Counts)
Brake Hydraulic Pressure Transducer Rear Left Wheel Signal (Bar)
Brake Hydraulic Pressure Transducer Rear Right Wheel Signal (Bar)
Brake Hydraulic Pressure Transducer Redundant Signal (Counts)
Brake Hydraulic Pressure Transducer Tandem Main Cylinder Signal (Bar)
Brake Hydraulic Tandem Main Cylinder Velocity Signal 1 (mm/s)
Brake Hydraulic Tandem Main Cylinder Velocity Signal 2 (mm/s)
Brake Lamp (Enable(d) / Disable(d))
Brake Lamp Bulb Outage Detection (Yes (True) / No (False))
Brake On - Off (Applied / Not Applied)
Brake ON/OFF (Active / Inactive)
Brake ON/OFF Switch (On / Off)
Brake Pad Wear (Active / Inactive)
Brake Pad Wear Switch Okay (Yes (True) / No (False))
Brake Pedal Active (On / Off)
Brake Pedal Force Switch Status (Applied / Not Applied)
Brake Pedal Position (% full on)
Brake Pedal Pressed (Yes (True) / No (False))
Brake Pedal Switch (Active / Inactive)
Brake Pedal Switch (Active / Inactive)
Brake Pressure Applied (Applied / Not Applied)
Brake Pressure Differential Switch (On / Off)
Brake Pressure Switch Input Status (Open / Close(d))
Brake Pressure Transducer Power Supply (V)
Brake Pressure Transducer Sense (V)

Brake Shift Interlock Circuit (Active / Inactive)
Brake switch (Active / Inactive)
Brake Switch (Close / Open)
Brake Switch Status (Active / Inactive)
Brake Switch Status (On / Off)
Brake Switch Status (On / Off)
Brake Switch Status (On / Off)
Brake Switch Status (On / Off)
Brake System Air Bleed Check Pedal Feedback (Yes (True) / No (False))
Brake System Warning Indicator Input Status (Active / Inactive)
Brake Warning (Active / Inactive)
Brake Warning (Active / Inactive)
Brake Warning Lamp Driver Open Circuit (Yes (True) / No (False))
Brake Warning Lamp Driver Output State (On / Off)
Brake Warning Lamp Driver Short to Battery (Yes (True) / No (False))
Brake Warning Lamp Driver Short to Ground (Yes (True) / No (False))
BSM (Battery Control Module)(Yes (True) / No (False))
BTCS State (On / Off)
BTS Interface Fault (Yes (True) / No (False))
BTS Interface Fault (Yes (True) / No (False))
Button Status Assistance Request (Active / Inactive)
Button Status Auxiliary (Active / Inactive)
Button Status Emergency (Active / Inactive)
Button Status End (Active / Inactive)
Button Status Information Request (Active / Inactive)
Button Status Phone (Active / Inactive)
Buzzer (On / Off)
Bypass Clutch Duty Cycle (%)
CAB (Charge Air Bypass/Cooling Air Bypass)Valve Duty Cycle (a. k. a. Intercooler Bypass Control)(%)
CAB (Charge Air Bypass/Cooling Air Bypass)Valve Position before any FMEM substitution, in % open. (%)
Cabin Blower Enabled (Enable(d) / Disable(d))
Cabin Climate Control Enabled (Yes (True) / No (False))
Cabin Prechill Active (Yes (True) / No (False))
Cabin Precondition Active (Yes (True) / No (False))
Cabin Precool Active (Yes (True) / No (False))
Cabin Preheat Active (Yes (True) / No (False))
Calculated Load Value (% calculated load)
Calibration Does Not Verify (Yes (True) / No (False))
Calibration Fault (Yes (True) / No (False))
Calibration Fault (Yes (True) / No (False))
Calibration Voltage raw signal (A/D counts)
Camshaft location and crankshaft location are synchronized. (Yes (True) / No (False))
Camshaft Position Error (°)
Camshaft Position output duty cycle (%)
CAN Communication Failure Detected (Yes (True) / No (False))
CAN Tx function (Active / Inactive)
Cancel Switch (Active / Inactive)
Canister fuel correction factor
Cannister Not Venting Failure Mode (Yes (True) / No (False))

Cannister Vent Solenoid Circuit Monitor High (Yes (True) / No (False))
Cargo Reset Alarm Switch (Active / Inactive)
Cargo Set Alarm Switch (Active / Inactive)
Case Ground for hardwired Fuel Level Input (V)
Cassette Switch (Active / Inactive)
CAT-1 Calibrated Frequency (Hz)
CAT-1 Test Frequency (Hz)
CAT-2 Calibrated Frequency (Hz)
CAT-2 Test Frequency (Hz)
Catalyst Over Temperature Indicator (Enable(d) / Disable(d))
CATEMP11: Catalyst Temperature Bank 1, Sensor 1. See Annex B of ISO 15031-5 for full specification. (°C)
CATEMP21: Catalyst Temperature Bank 2, Sensor 1. See Annex B of ISO 15031-5 for full specification. (°C)
Caution telltale (for example, a yellow wrench)commanded state (On / Off)
CCSM (Climate Control Seat Module)(Yes (True) / No (False))
CCSM (Climate Control Seat Module)(Yes (True) / No (False))
CCW Shift Motor Driver Open Circuit (Yes (True) / No (False))
CCW Shift Motor Driver Output State (On / Off)
CCW Shift Motor Driver Short to Battery (Yes (True) / No (False))
CCW Shift Motor Driver Short to Ground (Yes (True) / No (False))
CD (Active / Inactive)
CD (Yes (True) / No (False))
CD in slot 1 (Yes (True) / No (False))
CD in slot 2 (Yes (True) / No (False))
CD in slot 3 (Yes (True) / No (False))
CD in slot 4 (Yes (True) / No (False))
CD in slot 5 (Yes (True) / No (False))
CD in slot 6 (Yes (True) / No (False))
CD in slot 7 (Yes (True) / No (False))
CD in slot 8 (Yes (True) / No (False))
C-D pillar Curtain Circuit Open, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Open, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Open, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Open, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Res. Low on Squib, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Res. Low on Squib, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Res. Low on Squib, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Res. Low on Squib, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Battery, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Battery, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Battery, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Battery, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Ground, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Ground, Driver Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Ground, Pass. Side (Yes (True) / No (False))
C-D pillar Curtain Circuit Short to Ground, Pass. Side (Yes (True) / No (False))
CD Switch (Active / Inactive)
CD/DJ (Yes (True) / No (False))
cDPF Soot Overload (Active / Inactive)
ceiConfigured_Cfg (Lock(ed) / Unlock(ed))

ceiMileageLimitExceededandSelfLocked (Yes (True) / No (False))
ceiMode_Cfg (Check Keys / No Keys)
Cell Failure (Yes (True) / No (False))
Cellular Antenna (Present / Not Present)
Cellular Phone (Active / Inactive)
Cellular Phone (Yes (True) / No (False))
Cellular Phone Microphone Sense Voltage (V)
Cellular Phone Module - Phone Call (Active / Inactive)
Cellular Phone Module - Voice Session (Active / Inactive)
Cellular Phone Module Mono Primary Source (Active / Inactive)
Cellular Phone Module Stereo Primary Source (Active / Inactive)
Cellular Phone Module Stereo Secondary Source (Active / Inactive)
Cellular Phone Network Signal Strength (% full power)
Cennister Vent Output Fault Detected (Yes (True) / No (False))
Center Axle Disconnect (4x4 / 4x2)
Center Axle Disconnect Status (Active / Inactive)
Center Horizontal (7-Segment)(Enable(d) / Disable(d))
Center Image Amplifier (Yes (True) / No (False))
Center Speaker Circuit (/)
Center Speaker Circuit Open (Fault / No Fault)
Center Speaker Circuit Short to Battery (Fault / No Fault)
Center Speaker Circuit Shorted (Fault / No Fault)
Central Door Unlock Switch Status (Active / Inactive)
Central Lock Command Enable - Rear Node (Enable(d) / Disable(d))
Central Lock Reset Driver Open Circuit (Yes (True) / No (False))
Central Lock Reset Driver Output State (Enable(d) / Disable(d))
Central Lock Reset Driver Short to Battery (Yes (True) / No (False))
Central Lock Reset Driver Short to Ground (Yes (True) / No (False))
Central Lock Set Driver Open Circuit (Yes (True) / No (False))
Central Lock Set Driver Output State (Enable(d) / Disable(d))
Central Lock Set Driver Short to Battery (Yes (True) / No (False))
Central Lock Set Driver Short to Ground (Yes (True) / No (False))
Central Lock Switch (Enable(d) / Disable(d))
Central Lock Switch (On / Off)
Central Locking Switch (LOCK)(On / Off)
Central Locking Switch (UNLOCK)(On / Off)
Central Sensor Fault (Yes (True) / No (False))
Central Sensor Fault (Yes (True) / No (False))
Central Unlock Switch (Active / Inactive)
Central Unlock Switch (Enable(d) / Disable(d))
Centre Rear Seat Belt Fastened (Yes (True) / No (False))
Channel A: ACM (Active / Inactive)
Channel A: FES Aux (Active / Inactive)
Channel A: FES internal (Active / Inactive)
Channel A: SDARs (Active / Inactive)
Channel B: ACM (Active / Inactive)
Channel B: FES Aux (Active / Inactive)
Channel B: FES internal (Active / Inactive)
Channel B: SDARs (Active / Inactive)
Channel Frequency (MHz)
Charge (Active / Inactive)

Charge Detect HVEC Shutdown (Yes (True) / No (False))
Charge Level Request (%)
Charge System Fault (Active / Inactive)
Charger AC Current RMS (A)
Charger AC Voltage RMS (V)
Charger Charging after being Disabled (Yes (True) / No (False))
Charger Charging Input Status (Yes (True) / No (False))
Charger Contactor Input Fault (Yes (True) / No (False))
Charger Contactor Input Status (Enable(d) / Disable(d))
Charger Contactor Output Fault (Yes (True) / No (False))
Charger Contactor Output Status (Enable(d) / Disable(d))
Charger Cord Circuit Fault (Yes (True) / No (False))
Charger Cord Input Status (In / Out)
Charger Cycling Fault (Yes (True) / No (False))
Charger Enable (Applied / Not Applied)
Charger Fault Input Status (Yes (True) / No (False))
Charger Latch-up Fault (Yes (True) / No (False))
Charger Line Capacity Fault (Yes (True) / No (False))
Charger Max Line Input Status (Enable(d) / Disable(d))
Charger Mode Feedback Fault (Yes (True) / No (False))
Charger Mode Output Status (Current / Voltage)
Charger Output Status (Enable(d) / Disable(d))
Charger Over Amp-Hours Fault (Yes (True) / No (False))
Charger Over Current Fault (Yes (True) / No (False))
Charger Over Temperature Fault (Yes (True) / No (False))
Charger Over Voltage Fault (Yes (True) / No (False))
Charger Pilot Output Status (Enable(d) / Disable(d))
Charger Power Output Status (Enable(d) / Disable(d))
Charger Ready Input Status (Yes (True) / No (False))
Charger Relay 1 (Close / Open)
Charger Relay 2 (Close / Open)
Charger Temperature (°C)
Charger Under Current Fault (Yes (True) / No (False))
Charging Capacity (%)
Charging Level Output Status (%)
Charging System Regulation Voltage (setpoint)desired (V)
Charging System Warning Indicator (Enable(d) / Disable(d))
Check ABS Indicator (Enable(d) / Disable(d))
Check Air Leveling (Yes (True) / No (False))
Check Engine (Active / Inactive)
Check Fuel Cap Indicator (Active / Inactive)
Check Fuel Cap Light (CCL)Commanded State (On / Off)
Check Fuel Cap Light (CCL)Output Fault Detected (Yes (True) / No (False))
Check Fuel Cap Warning (Active / Inactive)
Check Fuel Fill Inlet Warning (Active / Inactive)
Check Gauges Indicator (Enable(d) / Disable(d))
'Check Mark' Display Segment (Enable(d) / Disable(d))
Check Ride Control (Yes (True) / No (False))
Check Steering Assist (Yes (True) / No (False))
Check Traction Control (Yes (True) / No (False))
Check Traction Control Indicator (Enable(d) / Disable(d))

Chime (On / Off)
Chime control (Active / Inactive)
Chime Control (Energize / De-energize)
Chime Output Status (On / Off)
Chime Request (Active / Inactive)
Chime-Control (Energize / De-energize)
CHMSL FB (Active / Inactive)
CILA Disconnected (Yes (True) / No (False))
CILA Noisy Data (Yes (True) / No (False))
CILA Not Programmed (Yes (True) / No (False))
CILA Wrong Data (Yes (True) / No (False))
Cinch Close Relay (On / Off)
Cinch Open Relay (On / Off)
Clear Current Seat Position (Yes (True) / No (False))
Clear Key Mode Status (Active / Inactive)
Clear Seat Memory Recall Positons (Yes (True) / No (False))
Clear Seat Motor Hard Stops (Yes (True) / No (False))
Clear Seat Motor Soft Stops (Yes (True) / No (False))
Clear Switch (Active / Inactive)
Climate Button (Active / Inactive)
Climate Control Blend Door Position Feedback (% full open)
Climate Control Blower Motor Speed (RPM)
Climate Control Bypass Servo Position Status (A/D counts)
Climate Control Defrost Servo Position Status (A/D counts)
Climate Control Fan Speed Switch Status (% full on)
Climate Control Floor Servo Position Status (A/D counts)
Climate Control Heater Coolant Temp Sensor (°C)
Climate Control Panel Servo Position Status (A/D counts)
Climate Control Recirculation Servo Position Status (A/D counts)
Climate Controlled Seat Blower RPM (RPM)
Clock (Active / Inactive)
Clock (Yes (True) / No (False))
Clock Adjustment (s)
Clock Display Enable Input (Enable(d) / Disable(d))
Clock Overlay Display on Video (Enable(d) / Disable(d))
Close Switch (Active / Inactive)
Closed loop correction for Idle Air Control (IAC)(does not include adapt cell correction value)(lbm/min)
Closed loop correction for Idle Air Control (IAC)adaptive cell 2 - Manual/Auto in Neutral AC off (lbm/min)
Closed loop correction for Idle Air Control (IAC)adaptive cell 3 - Manual/Auto in Neutral AC on (lbm/min)
Closed loop correction for Idle Air Control (IAC)adaptive cell number 0 - Auto in Drive AC off (lbm/min)
Closed loop correction for Idle Air Control (IAC)adaptive cell number 1 - Auto in Drive and AC on (lbm/min)
Closed Loop Fuel Condition (Yes (True) / No (False))
Closed Loop Fuel with HEGO Fault (Yes (True) / No (False))
Closed loop term of Idle Air Control (IAC), in percent of the full range of the controller (%)
CLR Button (Active / Inactive)

CLR_DST: Distance since DTCs cleared. See Annex B of ISO 15031-5 for full specification.
 (km)
 CLR_TIME: Minutes run by the engine since DTCs cleared. See Annex B of ISO 15031-5 for
 full spec. (Minutes)
 Cluster Fuel Gauge Drive Signal (V)
 Cluster Illumination (Energize / De-energize)
 Clutch Actuator commanded current (A)
 Clutch Actuator measured current (A)
 Clutch actuator valve commanded current (mA)
 Clutch closing limp home mode for Forward/Reverse clutch (Active / Inactive)
 Clutch Current Data (A)
 Clutch Pedal Position - Transmission Control Switch (Clutch Engaged - O/D Cancelled / Clutch
 Disengaged - O/D Enabled)
 Clutch Percent Applied (%)
 Clutch position PLCD (Permanent magnet Linear Contactless Displacement)sensor
 Clutch switch (Active / Inactive)
 Clutch Temperature (Model)(°C)
 Clutch Touch Point 1 (Learnt / Not Learnt)
 Clutch Touch Point 2 (Learnt / Not Learnt)
 Clutch Touch Point 3 (Learnt / Not Learnt)
 Clutch touch-point position (mm)
 Clutch Triggered Drive Away Release (Yes (True) / No (False))
 Clutch Voltage Data (V)
 Clutch/Latch Release Current Data (mA)
 Clutch/Latch Release Status Monitor (High / Low)
 Coast Clutch Solenoid (CCS)inductive signature malfunction detected (Yes (True) / No (False))
 Coast Clutch Solenoid Circuit Monitor High (Yes (True) / No (False))
 Coast Clutch Solenoid Commanded On (Yes (True) / No (False))
 Coast Clutch Solenoid output duty cycle (%)
 Coast Clutch Solenoid Output Fault Detected (Yes (True) / No (False))
 Coast Switch (Active / Inactive)
 Combustion air fan (On / Off)
 Commanded Current for Shift Solenoid F (SS-F) . See PID 195C for measured current. (A)
 Commanded current for the transmission Electronic Pressure Control A (PCA/EPC-A/VFS-
 A/PC1)(A)
 Commanded current for the transmission Electronic Pressure Control B (PCB/EPC-B/VFS-
 B/PC2)(A)
 Commanded current for the transmission Electronic Pressure Control C (PCC/EPC-C/VFS-
 C/PC3)(A)
 Commanded Gear/PRNDL Information
 Commanded position of Idle Air Control (IAC) , in percent of the full range of the controller (%)
 Commanded pressure for the transmission Electronic Pressure Control A (PCA/EPC-A/VFS-
 A/PC1)(PSI)
 Commanded pressure for the transmission Electronic Pressure Control B (PCB/EPC-B/VFS-
 B/PC2)(PSI)
 Commanded pressure for the transmission Electronic Pressure Control C (PCC/EPC-C/VFS-
 C/PC3)(PSI)
 Commanded state of the Transmission Malfunction Light (TML)(Active / Inactive)
 Commanded Variator Ratio (input speed/output speed)
 Compact Disc Player (CDP)(Yes (True) / No (False))
 Compact Disc Player (CDP)(Yes (True) / No (False))

Compressor (On / Off)
Compressor / Motor Current (A)
Compressor Cool Down Complete (Yes (True) / No (False))
Compressor Cool Down Complete (Yes (True) / No (False))
Compressor Driver Open Circuit (Yes (True) / No (False))
Compressor Driver Output State (On / Off)
Compressor Driver Short to Battery (Yes (True) / No (False))
Compressor Driver Short to Ground (Yes (True) / No (False))
Compressor Feedback A (Yes (True) / No (False))
Compressor Feedback A (Yes (True) / No (False))
Compressor Feedback A (Yes (True) / No (False))
Compressor Feedback B (Yes (True) / No (False))
Compressor Feedback B (Yes (True) / No (False))
Compressor Feedback B (Yes (True) / No (False))
Compressor Relay Output Open Circuit (Yes (True) / No (False))
Compressor Relay Output Short to Battery (Yes (True) / No (False))
Compressor Relay Output Short to Ground (Yes (True) / No (False))
Compressor Relay Output Status (Open / Close(d))
Compressor Thermal Overload Switch Status (Open / Closed)
Compressor/Motor Speed (RPM)
Configuration Block \$00 Written (Yes (True) / No (False))
Configuration Block \$01 Written (Yes (True) / No (False))
Configuration Block \$02 Written (Yes (True) / No (False))
Configuration Block \$03 Written (Yes (True) / No (False))
Configuration Block \$04 Written (Yes (True) / No (False))
Configuration Block \$05 Written (Yes (True) / No (False))
Configuration Block \$06 Written (Yes (True) / No (False))
Configuration Block \$07 Written (Yes (True) / No (False))
Configuration Complete (Yes (True) / No (False))
Consumer Device Model Id (Counts)
Consumer Device Serial Communication Error Count (Counts)
Contact Plate Power (On / Off)
Contact Plate Power Open Circuit (Yes (True) / No (False))
Contact Plate Power Short to Battery (Yes (True) / No (False))
Contact Plate Power Short to Ground (Yes (True) / No (False))
Contactor Circuit Failure (Fault / No Fault)
Contactor circuit status (Close / Open)
Contactor Feedback (Present / Not Present)
Continuous ON (Active / Inactive)
Control Module Communication Bus Off (Fault / No Fault)
Convertible Roof Module (Yes (True) / No (False))
Convertible Top DOWN (ON / OFF)
Convertible Top Down Sw (ACTIVE / INACTIVE)
Convertible Top Full Down Position SW (Active / Inactive)
Convertible Top Full Up Position SW (Active / Inactive)
Convertible Top UP (ON / OFF)
Convertible Top UP SW (ACTIVE / INACTIVE)
Convertor Clutch Unlock Due to Excessive Slip (Yes (True) / No (False))
Coolant Level Sensor (CLS)input voltage (V)
Coolant pump (On / Off)
Coolant Temperature (°C)

Core A Fault (Yes (True) / No (False))
Core B Fault (Yes (True) / No (False))
Cornering Control. (Active / Inactive)
Countback Pulse Setpoint (Counts)
Courtesy Lamp Inhibit (Enable(d) / Disable(d))
Courtesy Lamp Output Value (% full on)
Courtesy Lamps (Enable / Disable(d))
Courtesy Puddle Step Lamps (Active / Inactive)
Courtesy Switch (Active / Inactive)
CPM (Cell Phone Module)(Yes (True) / No (False))
CPM (Cell Phone Module)(Yes (True) / No (False))
Crank (starter motor)enable (Enable(d) / Disable(d))
Crank Shaft Reference Signal (CSRS)Output Fault Detected (Yes (True) / No (False))
Crash event unlocking signal (Active / Inactive)
Crash Sensor #1 (Active / Inactive)
Critical Fault HVEC Shutdown (Yes (True) / No (False))
Cruise Control
Cruise Control (Active / Inactive)
Cruise Control (Active / Inactive)
Cruise control (Active / Inactive)
Cruise Control Override - eg. accelerator pedal pressed with cruise active. (Active / Inactive)
Cruise Control Switch Input Voltage (A/D)(Counts)
Cruise Switch
CSA C(HF)Speaker Circuit Open (Fault / No Fault)
CSA C(HF)Speaker Circuit Open (Fault / No Fault)
CSA C(HF)Speaker Circuit Short (Fault / No Fault)
CSA C(HF)Speaker Circuit Short to Battery (Fault / No Fault)
CSA C(HF)Speaker Circuit Short to Ground (Fault / No Fault)
CSA C(HF)Speaker Circuit Shorted (Fault / No Fault)
CSA C(HF)Speaker Short to Battery (Fault / No Fault)
CSA C(HF)Speaker Short to Ground (Fault / No Fault)
CSA L Speaker Circuit Open (Fault / No Fault)
CSA L Speaker Circuit Open (Fault / No Fault)
CSA L Speaker Circuit Short (Fault / No Fault)
CSA L Speaker Circuit Short to Battery (Fault / No Fault)
CSA L Speaker Circuit Short to Ground (Fault / No Fault)
CSA L Speaker Circuit Shorted (Fault / No Fault)
CSA L Speaker Short to Battery (Fault / No Fault)
CSA L Speaker Short to Ground (Fault / No Fault)
CSA R Speaker Circuit Open (Fault / No Fault)
CSA R Speaker Circuit Open (Fault / No Fault)
CSA R Speaker Circuit Short (Fault / No Fault)
CSA R Speaker Circuit Short to Battery (Fault / No Fault)
CSA R Speaker Circuit Short to Ground (Fault / No Fault)
CSA R Speaker Circuit Shorted (Fault / No Fault)
CSA R Speaker Short to Battery (Fault / No Fault)
CSA R Speaker Short to Ground (Fault / No Fault)
Ctrl. Button "Close" (Active / Inactive)
Ctrl. Button "Open" (Active / Inactive)
Ctsy Pdl Step Lamps Out FB (Active / Inactive)
Current Cycle Booster Learn Cycle Completed Status (Yes (True) / No (False))

Current Cycle Booster Learn Cycle Test Failed (Yes (True) / No (False))
Current Cycle Lateral Accel Sensor Init Completed Status (Yes (True) / No (False))
Current Cycle Lateral Accel Sensor Initialization Test Failed (Yes (True) / No (False))
Current Cycle SWA Lock to Lock Test Passed Status (Yes (True) / No (False))
Current Cycle Yaw Rate Initialization Test Failed (Yes (True) / No (False))
Current Cycle Yaw Rate Initialization Completed Status (Yes (True) / No (False))
Current Headrest Position (A/D counts)
Current Leakage During Drive Fault (Yes (True) / No (False))
Current Monitor for 3-2 Timing Coast Clutch Solenoid (A/D counts)
Current Sense Control (Enable(d) / Disable(d))
Current Transmission Gear Ratio
Currently Misfiring (Yes (True) / No (False))
Curtain Airbag Driver Loop #1 Resistance (Ohms)
Curtain Airbag Driver Loop #2 Resistance (Ohms)
Curtain Airbag Passenger Loop #1 Resistance (Ohms)
Curtain Airbag Passenger Loop #2 Resistance (Ohms)
Curtain Airbag Resistance, Front Driver side (Ohms)
Curtain Airbag Resistance, Front Passenger side (Ohms)
Cushion Extend Switch (Active / Inactive)
Cushion Extend Switch (Active / Inactive)
Cushion Extend Switch (Active / Inactive)
Cushion Retract Switch (Active / Inactive)
Cushion Retract Switch (Active / Inactive)
Cushion Retract Switch (Active / Inactive)
Cushion Thermal Electric Device (TED)Temperature (°C)
Customer State of Charge (SOC)(%)
Cut-valve 1 (On / Off)
Cut-valve 2 (On / Off)
CVSA Accelerometer Sensors Supply Voltage (10 bit A/D)(V)
CW Shift Motor Driver Open Circuit (Yes (True) / No (False))
CW Shift Motor Driver Output State (On / Off)
CW Shift Motor Driver Short to Battery (Yes (True) / No (False))
CW Shift Motor Driver Short to Ground (Yes (True) / No (False))
Cylinder 1 percent change in rotational velocity (%)
Cylinder 2 percent change in rotational velocity (%)
Cylinder 3 percent change in rotational velocity (%)
Cylinder 4 percent change in rotational velocity (%)
Cylinder 5 percent change in rotational velocity (%)
Cylinder 6 percent change in rotational velocity (%)
Cylinder 7 percent change in rotational velocity (%)
Cylinder 8 percent change in rotational velocity (%)
Cylinder Head Temperature Indicator Light (Active / Inactive)
Cylinder Head Temperature Indicator Light Fault Detected (Yes (True) / No (False))
Cylinder Head Temperature is Currently Unreliable (Yes (True) / No (False))
Cylinder Head Temperature raw signal (A/D counts)
Cylinder ID Input High (Yes (True) / No (False))
D2b wake up input status to boice (Active / Inactive)
D2B wakeup (Active / Inactive)
D2B Wake-Up Output (Active / Inactive)
Damper Current - LF (mA)
Damper Current - LR (mA)

Damper Current - RF (mA)
Damper Current - RR (mA)
Damper Mode Switch (Active / Inactive)
Damper Output Request (Firm / Soft)
Damper Resistance - Left Front (Ohms)
Damper Resistance - Left Rear (Ohms)
Damper Resistance - Right Front (Ohms)
Damper Resistance - Right Rear (Ohms)
Damper Supply Current (A)
Damper Supply Voltage (V)
Data available from DRD (Data Recording Device). Typically set by RDI (Restraint Deploy. Indicat.)(Yes (True) / No (False))
Data Output Link Circuit Monitor High (Yes (True) / No (False))
Data Output Link Fault Detected (Yes (True) / No (False))
Daytime Running Lamps (Active / Inactive)
Daytime Running Lamps (Enable(d) / Disable(d))
Daytime Running Light Driver Open Circuit (Yes (True) / No (False))
Daytime Running Light Driver Output Status (On / Off)
Daytime Running Light Driver Short to Battery (Yes (True) / No (False))
Daytime Running Light Driver Short to Ground (Yes (True) / No (False))
DBM#1 Communication Fault (Yes (True) / No (False))
DBM#10 Communication Fault (Yes (True) / No (False))
DBM#11 Communication Fault (Yes (True) / No (False))
DBM#12 Communication Fault (Yes (True) / No (False))
DBM#13 Communication Fault (Yes (True) / No (False))
DBM#14 Communication Fault (Yes (True) / No (False))
DBM#15 Communication Fault (Yes (True) / No (False))
DBM#16 Communication Fault (Yes (True) / No (False))
DBM#17 Communication Fault (Yes (True) / No (False))
DBM#18 Communication Fault (Yes (True) / No (False))
DBM#19 Communication Fault (Yes (True) / No (False))
DBM#2 Communication Fault (Yes (True) / No (False))
DBM#20 Communication Fault (Yes (True) / No (False))
DBM#21 Communication Fault (Yes (True) / No (False))
DBM#22 Communication Fault (Yes (True) / No (False))
DBM#23 Communication Fault (Yes (True) / No (False))
DBM#24 Communication Fault (Yes (True) / No (False))
DBM#25 Communication Fault (Yes (True) / No (False))
DBM#26 Communication Fault (Yes (True) / No (False))
DBM#27 Communication Fault (Yes (True) / No (False))
DBM#28 Communication Fault (Yes (True) / No (False))
DBM#29 Communication Fault (Yes (True) / No (False))
DBM#3 Communication Fault (Yes (True) / No (False))
DBM#30 Communication Fault (Yes (True) / No (False))
DBM#31 Communication Fault (Yes (True) / No (False))
DBM#32 Communication Fault (Yes (True) / No (False))
DBM#33 Communication Fault (Yes (True) / No (False))
DBM#34 Communication Fault (Yes (True) / No (False))
DBM#35 Communication Fault (Yes (True) / No (False))
DBM#36 Communication Fault (Yes (True) / No (False))
DBM#37 Communication Fault (Yes (True) / No (False))

DBM#38 Communication Fault (Yes (True) / No (False))
DBM#39 Communication Fault (Yes (True) / No (False))
DBM#4 Communication Fault (Yes (True) / No (False))
DBM#5 Communication Fault (Yes (True) / No (False))
DBM#6 Communication Fault (Yes (True) / No (False))
DBM#7 Communication Fault (Yes (True) / No (False))
DBM#8 Communication Fault (Yes (True) / No (False))
DBM#9 Communication Fault (Yes (True) / No (False))
DC to DC Converter Enable commanded state (On / Off)
DC to DC Converter Enable output fault detected (Yes (True) / No (False))
DC/DC Enable (Applied / Not Applied)
DC-DC Over-Current Fault (Yes (True) / No (False))
DC-DC Voltage Fault (Yes (True) / No (False))
De-Activate Mute (Yes (True) / No (False))
De-Activate Sounders (Yes (True) / No (False))
Deactivate System when Not in Reverse Gear (Yes (True) / No (False))
Deactivate System with Speed or Distance (Yes (True) / No (False))
Dechoke function operating (shuts off fuel during cranking to dry out a possibly flooded engine.)(Yes (True) / No (False))
Decimal Point (Enable(d) / Disable(d))
Deck Closed Position Sensor (On / Off)
Deck Lid Close Relay (On / Off)
Deck Lid Open Relay (On / Off)
Deck Lid Speed Sensor Voltage (mV)
Deck Opened Position Sensor (On / Off)
Decklid (Trunk)unlock (Active / Inactive)
Decklid / Hatch Ajar (Yes (True) / No (False))
Decklid / Hatch Cylinder Punch-out (Yes (True) / No (False))
Decklid / Hatch Cylinder Switch (Active / Inactive)
Decklid / Hatch Release Switch (Active / Inactive)
Decklid / Hatch Unlock Disarm Switch (Active / Inactive)
Decklid / Truck Lamp (Energize / De-energize)
Decklid Driver Open Circuit (Yes (True) / No (False))
Decklid Driver Output State (On / Off)
Decklid Driver Short to Battery (Yes (True) / No (False))
Decklid Driver Short to Ground (Yes (True) / No (False))
Decklid Key Status/Decklid Key CW Circuit (Open / Close(d))
Decklid Lamp Status (Energize / De-energize)
Default (functional)state=Automatic Mode (Yes (True) / No (False))
Defrost (On / Off)
Defrost (On / Off)
Defrost (Yes (True) / No (False))
Defrost door actual position (%)
Defrost Door Maximum Counts (Counts)
Defrost Door Target Position (%)
Defrost Feedback LED Status (V)
Degrees of additional spark advance. (A positive value will advance the timing.)(°)
Delayed Acc Rly 1 FB (Active / Inactive)
Delayed Acc Rly 2 FB (Active / Inactive)
Delta-S Sensor (V)
Delta-S Sensor Calibration Completed Status (Yes (True) / No (False))

Demand Lamps (Active / Inactive)
Demand Lamps Out FB (Active / Inactive)
Demist Request Input (Yes (True) / No (False))
Deployable Steering Column (Yes (True) / No (False))
Deployable Steering Column (Yes (True) / No (False))
Deployable Steering Column Resistance (Ohms)
Deployment Circuit Internal Fault (Yes (True) / No (False))
Deployment Circuit Internal Fault (Yes (True) / No (False))
Deployment Counter Maximum Exceeded (Yes (True) / No (False))
Deployment Counter Maximum Exceeded (Yes (True) / No (False))
Desired (electric)Motor Torque (NM Torque)
Desired Engine RPM (RPM)
Desired Generator Torque (NM Torque)
Desired RPM for Idle Speed Control (High Res.)(RPM)
Desired Slip of Torque Converter Clutch (TCC), (engine RPM)- (turbine RPM) (RPM)
Desired Total Wheel Torque (NM Torque)
Dest (Active / Inactive)
Detent Switch (Active / Inactive)
Detent Switch (Latch)(Active / Inactive)
Diagnostic signal duty cycle sent from BCM (Boost Control Module)to ECM (Engine Control Module)(%)
Diagstate HVEC Shutdown (Yes (True) / No (False))
Diesel Engine Idle Shutdown Warning (Active / Inactive)
Diesel Engine Warning Warning (Active / Inactive)
Diesel Exhaust Overtemperature (Active / Inactive)
Diesel Particle Filter (DPF)Differential Pressure (kPa)
Diesel Particulate Filter accumulated time above temperature level 1 (sec)
Diesel Particulate Filter accumulated time above temperature level 2 (sec)
Diesel Particulate Filter accumulated time above temperature level 3 (sec)
Diesel Particulate Filter Cleaning (Active / Inactive)
Diesel Particulate Filter delta pressure (upstream minus downstream pressure drop)(kPa)
Diesel Particulate Filter Differential Pressure Sensor voltage (V)
Diesel Preheat (Active / Inactive)
Diesel Pre-Heat Warning (Active / Inactive)
Diesel Water In Fuel Warning (Active / Inactive)
Diesel/Gas (Gas / Diesel)
Digital Audio Receiver Active Channel Identifier
Dimmer Switch (On / Off)
Dipped Beam Switch (A/D Counts)(A/D counts)
Direction (of motor control)apply (Yes (True) / No (False))
Direction (of motor control)release (Yes (True) / No (False))
Disable Safety Software (Yes (True) / No (False))
Disable Toggle Mode (Enable(d) / Disable(d))
Discharge air temperature (floor)(°C)
Discharge air temperature (panel)(°C)
Discharge Air Temperature (Right Floor)
Discharge Air Temperature (Right Panel)(°C)
Discharge Air Temperature Level (°C)
Discharge Power Limit (Watts)
Display 1 fully off (Active / Inactive)
Display 1 fully on (Active / Inactive)

Display 1 Normal (Active / Inactive)
Display 1 pattern 1 (Active / Inactive)
Display 1 pattern 2 (Active / Inactive)
Display 2 fully off (Active / Inactive)
Display 2 fully on (Active / Inactive)
Display 2 Normal (Active / Inactive)
Display 2 pattern 1 (Active / Inactive)
Display 2 pattern 2 (Active / Inactive)
Display 3 fully off (Active / Inactive)
Display 3 fully on (Active / Inactive)
Display 3 Normal (Active / Inactive)
Display 3 pattern 1 (Active / Inactive)
Display 3 pattern 2 (Active / Inactive)
Display 4 fully off (Active / Inactive)
Display 4 fully on (Active / Inactive)
Display 4 normal (Active / Inactive)
Display 4 pattern 1 (Active / Inactive)
Display 4 pattern 2 (Active / Inactive)
Display ECU status of phone tranceiver active (PTA)line (Active / Inactive)
Display Illumination (Enable(d) / Disable(d))
Display Switch (Active / Inactive)
Display Text (Active / Inactive)
Distance to Destination (km)
Distance to Empty Icon (English)(Enable(d) / Disable(d))
Distance to Empty Icon (Metric)(Enable(d) / Disable(d))
Distance to Empty Switch (Active / Inactive)
Distance Traveled Since Most Recent Entry into High Temperature Mode (km)
Distance traveled since the end of the most recent completed Minimum Fuel Mass Adaption (MFMA). (km)
Distance Travelled While MIL is Activated (MIL_DIST)(km)
Dolby Switch (Active / Inactive)
Dome Lamp (Active / Inactive)
Dome Lamp Switch (Active / Inactive)
Dome Lamps Out FB (Active / Inactive)
Dome Lamps Rtn Out FB (Active / Inactive)
Door Ajar (Open / Close(d))
Door Ajar (Open / Close(d))
Door Ajar (Open / Close(d))
Door Ajar (Open / Close(d))
Door Ajar (Yes (True) / No (False))
Door Ajar Chime (Active / Inactive)
Door Ajar Indicator Lamp Driver Open Circuit (Yes (True) / No (False))
Door Ajar Indicator Lamp Driver Output State (On / Off)
Door Ajar Indicator Lamp Driver Short to Battery (Yes (True) / No (False))
Door Ajar Indicator Lamp Driver Short to Ground (Yes (True) / No (False))
Door Ajar Output (Active / Inactive)
Door Ajar Output Signal Battery Short (Yes (True) / No (False))
Door Ajar Output Signal Ground Short (Yes (True) / No (False))
Door Ajar Output Signal Open Circuit (Yes (True) / No (False))
Door Ajar Output Signal Status (Active / Inactive)
Door Ajar SW FL (Open / Close(d))

Door Ajar SW FR (Open / Close(d))
Door Ajar SW RL (Open / Close(d))
Door Ajar SW RR (Open / Close(d))
Door Ajar Warning Lamp (Energize / De-energize)
Door Ajar Warning Lamp (Energize / De-energize)
Door Cycle (Close to Open)(Yes (True) / No (False))
Door Lock/ Deadlock Relay (On / Off)
Door Timeout for Headrest (s)
Door Trigger Disable Mode (Enable(d) / Disable(d))
Door/Fuel filler flap Lock Relay (On / Off)
Double Lock Command Enable - Rear Node (Enable(d) / Disable(d))
Double Lock Reset Driver Open Circuit (Yes (True) / No (False))
Double Lock Reset Driver Output State (Enable(d) / Disable(d))
Double Lock Reset Driver Short to Battery (Yes (True) / No (False))
Double Lock Reset Driver Short to Ground (Yes (True) / No (False))
Double Lock Set Driver Open Circuit (Yes (True) / No (False))
Double Lock Set Driver Output State (Enable(d) / Disable(d))
Double Lock Set Driver Short to Battery (Yes (True) / No (False))
Double Lock Set Driver Short to Ground (Yes (True) / No (False))
DOWN ARROW Button Pressed (Active / Inactive)
Downstream HEGO Heaters off (Yes (True) / No (False))
Downstream HEGO Heaters OFF (Yes (True) / No (False))
Down-Switch Status (active / inactive)
Drive (Active / Inactive)
Drive (On / Off)
Drive Enable Lamp (On / Off)
Drive Lamp (On / Off)
Drive Motor Closed Status (Active / Inactive)
Drive Motor Open Status (Active / Inactive)
Drive Seat Cool (On / Off)
Drive Seat Heat (On / Off)
Driver Airbag Cutoff Switch (ACS)State (On / Off)
Driver Airbag Deployment Status (Active / Inactive)
Driver Airbag Loop #2 Resistance (Ohms)
Driver Airbag Resistance (Ohms)
Driver Approach lamp Circuit Failure. (Yes (True) / No (False))
Driver Approach lamp Open Circuit. (Yes (True) / No (False))
Driver Approach lamp Short to Battery. (Yes (True) / No (False))
Driver Approach lamp Short to Ground. (Yes (True) / No (False))
Driver Beltminder Status (Active / Inactive)
Driver Blend Door Feedback Value (%)
Driver Blend Door Target Value (%)
Driver Buckle Resistance A/D Count (Ohms)
Driver Buckle Switch Current Measurement (mA)
Driver Buckle Switch State (Connect(ed) / Disconnect(ed))
Driver Climate Control Water Valve (A/D Counts)(A/D counts)
Driver Door Rear Latch (Active / Inactive)
Driver Door Rear Lock Switch (Active / Inactive)
Driver Door Rear Unlock Switch (Active / Inactive)
Driver Door is open (Open / Close(d))
Driver Door Latch Clutch Switch (Active / Inactive)

Driver Door Lock Link Switch (Lock(ed) / Unlock(ed))
Driver Door Lock Switch (Active / Inactive)
Driver Door Request Switch (On / Off)
Driver Door Switch input indicates that the door is open. (Yes (True) / No (False))
Driver Door Unlock Arming Switch (Active / Inactive)
Driver Door Unlock Relay (On / Off)
Driver Door Unlock Switch (Active / Inactive)
Driver Interface: "D"-push button, layer 1, is pushed (Yes (True) / No (False))
Driver Interface: 'D'-push button, layer 2, is pushed (Yes (True) / No (False))
Driver Interface: 'D'-push button, layer 3, is pushed (Yes (True) / No (False))
Driver Interface: 'N'-push button, layer 1, is pushed (Yes (True) / No (False))
Driver Interface: 'N'-push button, layer 2, is pushed (Yes (True) / No (False))
Driver Interface: 'N'-push button, layer 3, is pushed (Yes (True) / No (False))
Driver Interface: R-push button, layer 1, is pushed (Yes (True) / No (False))
Driver Interface: R-push button, layer 2, is pushed (Yes (True) / No (False))
Driver Interface: R-push button, layer 3, is pushed (Yes (True) / No (False))
Driver Lap Pretensioner Circuit Resistance (Ohms)
Driver microphone passthrough status (Active / Inactive)
Driver Mirror Down (Enable(d) / Disable(d))
Driver Mirror Horizontal Position (A/D)(A/D counts)
Driver Mirror Left (Enable(d) / Disable(d))
Driver Mirror Position (A/D)(A/D counts)
Driver Mirror Right (Enable(d) / Disable(d))
Driver Mirror Up (Enable(d) / Disable(d))
Driver Pretensioner Circuit Resistance (Counts)
Driver Pretensioner Circuit Resistance (Ohms)
Driver Puddle lamp Circuit Failure. (Yes (True) / No (False))
Driver Puddle lamp Open Circuit. (Yes (True) / No (False))
Driver Puddle lamp Short to Battery. (Yes (True) / No (False))
Driver Puddle lamp Short to Ground. (Yes (True) / No (False))
Driver Seat Cushion Extend Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Cushion Extend Motor Out Of Range (Fault / No Fault)
Driver Seat Cushion Extend Position (% full out)
Driver Seat Cushion Extend Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Cushion Retract Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Forward Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Front Down Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Front Up Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Front Vertical Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Front Vertical Motor Out Of Range (Fault / No Fault)
Driver Seat Front Vertical Position (% full up)
Driver Seat Headrest Down Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Headrest Height Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Headrest Height Motor Out Of Range (Fault / No Fault)
Driver Seat Headrest Position (% full out)
Driver Seat Headrest Up Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Height Down Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Height Up Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Horizontal Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Horizontal Motor Out Of Range (Fault / No Fault)
Driver Seat Horizontal Position (% full forward)

Driver Seat Lumbar Extend Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Lumbar Extend Motor Out Of Range (Fault / No Fault)
Driver Seat Lumbar Extend Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Lumbar Position (% full out)
Driver Seat Lumbar Retract Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Rear Down Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Rear Up Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Rear Vertical Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Rear Vertical Motor Out Of Range (Fault / No Fault)
Driver Seat Rear Vertical Position (% full up)
Driver Seat Rearward Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Recline Forward Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Recline Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Recline Motor Out Of Range (Fault / No Fault)
Driver Seat Recline Position (% full forward)
Driver Seat Recline Rearward Switch S/C to Vbatt (Fault / No Fault)
Driver Seat Track Current Measurement (mA)
Driver Seat Track Position Sensor A/D Count (A/D counts)
Driver Seat Track Position Switch State (Rearward / Forward)
Driver Seat Vertical Height Motor Memory Position Out Of Range (Fault / No Fault)
Driver Seat Vertical Height Motor Out Of Range (Fault / No Fault)
Driver Seat Vertical Position (% full up)
Driver Seatback Autoglide Forward Switch (Active / Inactive)
Driver Seatback Autoglide Rearward Switch (Active / Inactive)
Driver Side Airbag Resistance (Counts)
Driver Side Airbag Resistance (Ohms)
Driver Side Airbag Resistance (Ohms)
Driver Side Front Seat Belt Fastened (Yes (True) / No (False))
Driver side front seat belt fastened (Yes (True) / No (False))
Driver Side Impact Air Bag Resistance (Counts)
Driver Side Pretensioner Circuit Resistance (Ohms)
Driver Side Rear Double Lock (Lock(ed) / Unlock(ed))
Driver Side Turn Signal / Repeater Lamp (Energize / De-energize)
Driver Window One Touch Switch (Active / Inactive)
Driver/Center FCS Mismatch (Yes (True) / No (False))
Driver/Center FCS Mismatch (Yes (True) / No (False))
Driver/Center Front Crash Sensor Circuit Short to Battery (Yes (True) / No (False))
Driver/Center Front Crash Sensor Circuit Short to Battery (Yes (True) / No (False))
Driver/Center Front Crash Sensor Circuit Short to Ground (Yes (True) / No (False))
Driver/Center Front Crash Sensor Circuit Short to Ground (Yes (True) / No (False))
Driver/Center Front Crash Sensor Communication Fault (Yes (True) / No (False))
Driver/Center Front Crash Sensor Communication Fault (Yes (True) / No (False))
Driver/Center Front Crash Sensor Internal Fault (Yes (True) / No (False))
Driver/Center Front Crash Sensor Internal Fault (Yes (True) / No (False))
Driver/Center Front Crash Sensor Mount/Communication Fault (Yes (True) / No (False))
Driver/Center Front Crash Sensor Mount/Communication Fault (Yes (True) / No (False))
Driver's Climate Controlled Seat Module (DCSM)\$9C (Yes (True) / No (False))
Driver's Door (Open / Close(d))
Driver's Door Ajar (Yes (True) / No (False))
Driver's Door Cylinder Armed (Yes (True) / No (False))
Driver's Door Cylinder Disarmed (Yes (True) / No (False))

Driver's Door Cylinder Punch-out (Yes (True) / No (False))
Driver's Door Cylinder Switch (Active / Inactive)
Driver's Door Handle Activated (Yes (True) / No (False))
Driver's door module (Yes (True) / No (False))
Driver's Door Unlock (Active / Inactive)
Driver's Door Unlock Disarm Switch (Active / Inactive)
Drivers Doors Unlock Driver Output State (Enable(d) / Disable(d))
Drivers Doors Unlock Driver Short to Battery (Yes (True) / No (False))
Drivers Doors Unlock Driver Short to Ground (Yes (True) / No (False))
Driver's Down Activated (Yes (True) / No (False))
Driver's Lock Activated (Yes (True) / No (False))
Driver's Lock Activated (Yes (True) / No (False))
Driver's Lock/Unlock (Yes (True) / No (False))
Driver's Mirror Horizontal Position Sensor Present (Yes (True) / No (False))
Driver's Mirror Vertical Position Sensor Present (Yes (True) / No (False))
Drivers Mode Switch Signal High (Yes (True) / No (False))
Driver's Seat Belt Pretensioner Output Status (On / Off)
Driver's Seat Belt Pretensioner Output Status Battery Short (Yes (True) / No (False))
Driver's Seat Belt Pretensioner Output Status Ground Short (Yes (True) / No (False))
Driver's Seat Belt Pretensioner Output Status Open Circuit (Yes (True) / No (False))
Driver's Seat Extend Position Sensor Present (Yes (True) / No (False))
Driver's Seat Forward/Rearward Position Sensor Present (Yes (True) / No (False))
Driver's Seat Front Up/Down Position Sensor Present (Yes (True) / No (False))
Driver's Seat Headrest Position Sensor Present (Yes (True) / No (False))
Driver's Seat Lumbar Position Sensor Present (Yes (True) / No (False))
Driver's Seat Module (DSM)\$A2 (Yes (True) / No (False))
Driver's Seat Occupied (Yes (True) / No (False))
Driver's Seat Pedals Rearward / Forward Position (% full on)
Driver's Seat Rear Up/Down Position Sensor Present (Yes (True) / No (False))
Driver's Seat Recline Position Sensor Present (Yes (True) / No (False))
Driver's Seat Vertical Position Sensor Present (Yes (True) / No (False))
Drivers Side Front Seat Belt Bucketed Switch (Connect(ed) / Disconnect(ed))
Driver's Unlock Activated (Yes (True) / No (False))
Driver's Unlock Activated (Yes (True) / No (False))
Driver's Up Activated (Yes (True) / No (False))
Driver's Up/Down (Yes (True) / No (False))
Driver's Window / All Windows Sensor Switch (Active / Inactive)
Driver's Window Down (Yes (True) / No (False))
Driver's Window Position Hall Sensor Input (Counts)
Drvr Door Lock Switch (Active / Inactive)
Drvr Door Unlock Switch (Active / Inactive)
DSM (Driver Seat Module)(Yes (True) / No (False))
DSM (Driver Seat Module)(Yes (True) / No (False))
DSP Effects (Yes (True) / No (False))
DSP Switch (Active / Inactive)
DTC P0231 - VLCM Detects Gnd Short in Inertial Switch Circuit (Yes (True) / No (False))
DTC P0231 - VLCM Detects Open in Fuel Pump Battery Ckt. to VLCM (Yes (True) / No (False))
DTC P0231 - VLCM Open Circuit Detection in Fuel Pump Driver (Yes (True) / No (False))
DTC P0232 - VLCM Detects Gnd Short in FP Driver Circuit (Yes (True) / No (False))
DTC P0232 - VLCM Detects Gnd Short in VLCM Relay Driver (Yes (True) / No (False))
DTC P0232 - VLCM Open Circuit Detection (Yes (True) / No (False))

DTC P0235 or P0236 - VLCM Detects Open in FP ISO Relay (Yes (True) / No (False))
DTC P0235 or P0236 - VLCM Detects Open VLCM Relay Driver (Yes (True) / No (False))
Dual (On / Off)
Dual Button (On / Off)
Due to Refuel Event Purge Monitor Idle Test Prevented until Gross Leak Test is Monitored (Yes (True) / No (False))
Dump Switch LED (On / Off)
Dump Switch State (Active / Inactive)
Duration of Last Starter Motor Operation (s)
Duty Cycle for Intake Manifold Tuning Valve 2 (IMTV2)or Int Manfld Communication Ctrl 2 (IMCC2)(%)
Duty cycle of the RBD (Request Boost Disable)signal (%)
Duty Cycle of the Variable Camshaft Timing #2 (VCT2)Output (%)
DVD (Detected / Never Detected)
DVD Status_1 (Active / Inactive)
DVD Status_2 (Active / Inactive)
Dynamic Pressure Control Solenoid 1 (DPC1)duty cycle (%)
Dynamic Pressure Control Solenoid 1 (DPC1)fault detected. (Yes (True) / No (False))
Dynamic Pressure Control Solenoid 2 (DPC2)duty cycle (%)
Dynamic Pressure Control Solenoid 2 (DPC2)fault detected. (Yes (True) / No (False))
Dynamic Pressure Control Solenoid 3 (DPC3)duty cycle (%)
Dynamic Pressure Control Solenoid 3 (DPC3)fault detected. (Yes (True) / No (False))
E/M Switch - Driver ID Switch (--- / x)
Easy Entry / Exit Switch (Active / Inactive)
EATC (HIM)(Yes (True) / No (False))
EATC (HIM)(Yes (True) / No (False))
Econometer Value (%)
Economy Lamp (On / Off)
ECU Anti-Theft Switch (Active / Inactive)
ECU Derived Ignition State-ACC (Yes (True) / No (False))
ECU Derived Ignition State-OFF (Yes (True) / No (False))
ECU Derived Ignition State-RUN (Yes (True) / No (False))
ECU Derived Ignition State-START (Yes (True) / No (False))
ECU is Faulted (Fault / No Fault)
EEC Signal Present (Yes (True) / No (False))
EEPROM/ROM Error (Yes (True) / No (False))
EGO1 Adaptive Fuel Correction
EGO1 Sensor Failure (Yes (True) / No (False))
EGO2 Adaptive Fuel Correction
EGO2 Sensor Failure (Yes (True) / No (False))
EGR Circuit Monitor High (Yes (True) / No (False))
EGR cooler bypass valve commanded duty cycle (%)
EGR Cutout Solenoid. Provides more rapid closure of the EGR valve. (Energize / De-energize)
EGR DPFE sensor input at the time of misfire (A/D Counts)
EGR Duty Cycle (% duty cycle on time)
EGR duty cycle (%)
EGR Motor Position desired (steps)
EGR Open Circuit Detected (Yes (True) / No (False))
EGR Sensor (A/D counts)
EGR Short to Ground Detected (Yes (True) / No (False))
EGR Throttle Position Actuator duty cycle (% Duty Cycle)

EGR Throttle Position voltage (V)
EGR Valve Position (mm)
EGR Valve Position desired (%)
EGR Valve Position desired (A/D counts)
EGR Valve Position for sonic EGR (A/D Counts)
EGR Valve Vacuum Solenoid Output Fault Detected (Yes (True) / No (False))
EGR Valve Vent Solenoid Output Fault Detected (Yes (True) / No (False))
EGR/BP Pressure Sensor Input (A/D counts)
EGR_ERR: $((\text{Actual} - \text{Commanded}) / \text{Commanded}) * 100\text{percent}$. See Annex B of ISO 15031-5 for full spec. (%)
EGR-PCT: Commanded EGR. See Annex B of ISO 15031-5 for full specification. (%)
Eject (Active / Inactive)
Eject Switch (Active / Inactive)
Elapsed time, in seconds, in engine run mode at time of J1979 Mode \$02 freeze frame. (s)
Electric Motor Coolant Temperature Sensor voltage (V)
Electric Motor Electronics Coolant Pump commanded state (On / Off)
Electric Motor Electronics Coolant Pump output fault detected (Yes (True) / No (False))
Electric Motor Electronics Coolant Temperature (°C)
Electric Motor Shutdown request received (Yes (True) / No (False))
Electric Park Brake Dynamic Counter (Counts)
Electric Park Brake Static Counter (Counts)
Electric Park Brake Tension (Newtons)
Electric Traction Motor Power (kW)
Electric Traction Motor Speed (RPM)
Electric Traction Motor Torque (NM Torque)
Electric Trailer Brake Connection Status (Active / Inactive)
Electric Vapor Management Valve commanded current (mA)
Electronic (Hydraulic)Power Assist Steering (E/H PAS)(Active / Inactive)
Electronic Automatic Temp Control (EATC)\$98 (Yes (True) / No (False))
Electronic Power Steering Idle Up (Active / Inactive)
Electronic Power Steering Motor Output (A)
Electronic Power Steering Warning Lamp (On / Off)
Electronic Pressure Control A (EPC-A/VFS-A)output fault status
Electronic Pressure Control C (EPC-C/VFS-C)output fault status
Electronic Throttle Control (ETC)Command Output number 1 output fault detected (Yes (True) / No (False))
Electronic Throttle Control (ETC)Command Output number 2 output fault detected (Yes (True) / No (False))
Electronic Throttle Control (ETC)Throttle Position Sensor #3 (TPS3)Voltage (V)
Electronic Throttle Control Indicator (Enable(d) / Disable(d))
Electronic Throttle Control Module Request Wrench Telltale (Yes (True) / No (False))
Electronic Throttle Monitor (ETM)Calibration Identifier (CALID)
Emergency Power Off Input Fault (Yes (True) / No (False))
Emergency Power Off Input Status (Enable(d) / Disable(d))
Emergency Power Off Output Fault (Yes (True) / No (False))
Emergency Power Off Output Status (Enable(d) / Disable(d))
Enable Status (Enable(d) / Disable(d))
Enable Status (Enable(d) / Disable(d))
End (Active / Inactive)
End Button (Active / Inactive)
End Button (Active / Inactive)

End position gear 1 (Learnt / Not Learnt)
End position gear 2 (Learnt / Not Learnt)
End position gear 3 (Learnt / Not Learnt)
End position gear 4 (Learnt / Not Learnt)
End position gear 5 (Learnt / Not Learnt)
End position gear R (Learnt / Not Learnt)
Energy Reserve Voltage (V)
Engine Configuration Message(s)Received (Yes (True) / No (False))
Engine Coolant Level Lamp Output Open Circuit (Yes (True) / No (False))
Engine Coolant Level Lamp Output Short to Battery (Yes (True) / No (False))
Engine Coolant Level Lamp Output Short to Ground (Yes (True) / No (False))
Engine Coolant Level Lamp Output State (Enable(d) / Disable(d))
Engine Coolant Level Okay (Yes (True) / No (False))
Engine Coolant Overtemperature (Active / Inactive)
Engine Coolant Temperature (°C)
Engine Coolant Temperature Display (°C)
Engine Coolant Temperature Gauge (°C)
Engine Coolant Temperature raw signal (A/D counts)
Engine Cylinders Mismatch (Yes (True) / No (False))
Engine Displacement Mismatch (Yes (True) / No (False))
Engine has achieved run mode at least once since the most recent KAM (Keep Alive Memory)reinit. (Yes (True) / No (False))
Engine Hood Switch input indicates that the hood (bonnet)is open. (Yes (True) / No (False))
Engine Hours (Hours)
Engine load at the time of misfire (%)
Engine mode: Acceleration in Crank (Yes (True) / No (False))
Engine mode: Crank (Yes (True) / No (False))
Engine mode: Deceleration in Crank (Yes (True) / No (False))
Engine mode: Engine Idle (Yes (True) / No (False))
Engine mode: Engine in acceleration (Yes (True) / No (False))
Engine mode: Idle at Crank (Yes (True) / No (False))
Engine mode: Out of Cut-Off in acceleration (Yes (True) / No (False))
Engine mode: Stabilized Engine (Yes (True) / No (False))
Engine mode: Stabilized in Crank (Yes (True) / No (False))
Engine Oil Level (% full)
Engine Oil Level Okay (Yes (True) / No (False))
Engine Oil Level Sensor voltage (V)
Engine Oil Pressure Switch Voltage (V)
Engine Oil Temperature (°C)
Engine Oil Temperature (°F)
Engine Oil Temperature raw signal (A/D counts)
Engine On Natural Vacuum (EONV)(Yes (True) / No (False))
Engine Over Temperature (Active / Inactive)
Engine Over Temperature Indicator (Enable(d) / Disable(d))
Engine RPM (RPM)
Engine RPM (RPM)
Engine RPM at the time of misfire (RPM)
Engine running status (On / Off)
Engine running time at the time of misfire (sec)
Engine Shutdown Invoked Due to Low Fuel Level (Current Status)(Yes (True) / No (False))
Engine Speed determined from a hardwired input such as the CTO (Clean Tach. Output)(RPM)

Engine Status input indicates that the engine is running. (Yes (True) / No (False))
Engine Temperature gauge pointer placement (°C)
Engine Type (I6 / V8)
Engine Valves Mismatch (Yes (True) / No (False))
Engine-off soak time at the time of misfire (min)
English / Metric (On / Off)
English/Metric (On / Off)
ENTER Button Pressed (Active / Inactive)
Enter Failure Mode for PRNDL (Yes (True) / No (False))
Entry Conditions Satisfied to Permit Key OFF EVAP (purge)Monitor Test to Run (Yes (True) / No (False))
EPB (Electric Park Brake)(Yes (True) / No (False))
EPB (Electric Park Brake)(Yes (True) / No (False))
EPB Brake Light Request (Yes (True) / No (False))
EPB Fault Lamp (On / Off)
EPO (Present / Not Present)
EPO HVEC Shutdown (Yes (True) / No (False))
EQ_RAT: Commanded Equivalence Ratio. See Annex B of ISO 15031-5 for full specification.
Equipment Protect Sensing 1 (Nav Screen 1 on X350)(Active / Inactive)
Equipment Protect Sensing 2 (Nav Screen 2 on X350)(Active / Inactive)
Equivalence Ratio (Lambda)bank1 sensor 1 (Greater range than other PIDs - for gasoline DISI)
Error Logged in EEPROM (Yes (True) / No (False))
Errors Logged in History (Yes (True) / No (False))
Estimated Engine Torque at the Flywheel (NM Torque)
Estimated Range to Empty (km)
ETC (Electronic Throttle Control)Monitor (ETM)is permitting Speed Control activation (Yes (True) / No (False))
ETV Overcurrent Circuit Monitor (A/D counts)
EU TV Fitted (Present / Not Present)
Evap Monitor
EVAP_PCT: Commanded Evaporative Purge. See Annex B of ISO 15031-5 for full specification. (%)
EVAP_VP: Evap System Vapor Pressure. See Annex B of ISO 15031-5 for full specification. (Pa)
Evaporative Canister Vent Solenoid duty cycle (%)
Evaporative Purge Solenoid duty cycle (%)
Evaporator temperature (°C)
EVAPS Pressure Transducer Voltage (V)
Event Notification Signal - Module Status Cutoff (Yes (True) / No (False))
Event Notification Signal - Module Status Deploy (Yes (True) / No (False))
EVR Output State Monitor raw signal (Counts)
Exhaust Back Pressure (kPa)
Exhaust Back Pressure desired (kPa)
Exhaust Back Pressure duty cycle (% duty cycle on time)
Exhaust Back Pressure raw signal (A/D counts)
Exhaust Back Pressure value used by the control system (kPa)
Exhaust Gas Recirculation Temperature Sensor A (EGRT/EGRT-A)voltage (V)
Exhaust Gas Recirculation Temperature Sensor B (EGRT-B)(°C)
Exhaust Gas Temperature sensor Bank 1 Sensor 1 voltage (V)
Exhaust Gas Temperature sensor Bank 1 Sensor 2 voltage (V)
Exhaust Gas Temperature sensor Bank 1 Sensor 3 voltage (V)

Exhaust Solenoid (Open / Close(d))
Express Down Switch (Active / Inactive)
Extend Position Sensor Present (Yes (True) / No (False))
Extend Position Sensor Present (Yes (True) / No (False))
Extended Headrest Motor Timeout (s)
Exterior Temperature (°C)
External Chime Request (Active / Inactive)
External Crash Sensor Test Voltage (V)
External Temperature Sensor Filtered Data #2 (°C)
External Temperature Sensor Filtered Data (°C)
External Temperature Sensor Unfiltered Data #2 (°C)
External Temperature Sensor Unfiltered Data (°C)
External Temperature Sensor Voltage #2 (V)
Face (Yes (True) / No (False))
Fade Switch (Active / Inactive)
Fail Safe Cooling Chime (Enable(d) / Disable(d))
Failsafe Cooling Input (Active / Inactive)
Failsafe Enable Flag (Active / Inactive)
Failsafe Status (Active / Inactive)
Failure occurred during the dynamic braking actuation (Yes (True) / No (False))
Fan - (Active / Inactive)
Fan - (On / Off)
Fan - (On / Off)
Fan (Active / Inactive)
Fan (On / Off)
Fan + (On / Off)
Fan + (On / Off)
Fan Control A (FCA) / Fan Control 1 (FC-1)Output Fault Detected (Yes (True) / No (False))
Fan Control B (FCB) / Fan Control 2 (FC-2)Output Fault Detected (Yes (True) / No (False))
Fan Disable Due to High Temp. in Battery (Yes (True) / No (False))
FAN Dn (Yes (True) / No (False))
Fan Monitor High (Yes (True) / No (False))
Fan Speed Sensor (FSS)input voltage state, as measured at the wiring harness connector. (High / Low)
Fan Speed Sensor raw signal (RPM)
FAN Up (Yes (True) / No (False))
Fast Axle Learn completed (Yes (True) / No (False))
Fast Off Accelerator (Active / Inactive)
Fast On Accelerator. (Active / Inactive)
Fasten Seatbelt Warning (Active / Inactive)
Fault (Active / Inactive)
Fault (Yes (True) / No (False))
Fault Condition (Yes (True) / No (False))
Fault Condition Present (Yes (True) / No (False))
Fault Currently Active in Module (Yes (True) / No (False))
FES (Family Entertainment System)(Yes (True) / No (False))
FES (Family Entertainment System)(Yes (True) / No (False))
FES Primary Source (Active / Inactive)
FFCHM (Yes (True) / No (False))
FFCHM (Yes (True) / No (False))

FICM (Fuel Injection Control Module)camshaft location and crankshaft location are synchronized. (Yes (True) / No (False))
Field Octane Adjust Desired (Yes (True) / No (False))
File download file extension (numeric)(Counts)
Find Center Algorithm has Found Center (Yes (True) / No (False))
Fire Suppression Control Module (Yes (True) / No (False))
Fire Suppression Control Module (Yes (True) / No (False))
Fire Suppression Control Module Resistance (Ohms)
Fire Suppression Manual Activation Switch High Side Voltage. (V)
Fire Suppression Manual Activation Switch Low Side Voltage. (V)
Fixed Horizontal Radar Angle #1 (°)
Fixed Horizontal Radar Angle #2 (°)
Fixed Horizontal Radar Angle #3 (°)
Fixed Horizontal Radar Angle #4 (°)
Fixed Horizontal Radar Angle #5 (°)
FL Solenoid (Open / Close(d))
FL Wheel needed anti-lock control (Enable(d) / Disable(d))
FL Wheel needed traction control (Enable(d) / Disable(d))
Flame Sensor Resistance (Ohms)
Flame sensor voltage (V)
Flame status (On / Off)
Flare RPM for PID 1931 (RPM)
Flash Memory Erase Time (s)
Flash Memory Program Timeout Value (s)
Flash Relay Output Status (On / Off)
Flash to Pass SW (On / Off)
Flash-Error (Yes (True) / No (False))
Flash-to-Pass Switch (Active / Inactive)
Flexible Fuel Sensor Frequency Input (Hz)
Flexible Fuel Sensor is Currently Unreliable (Yes (True) / No (False))
Floor (On / Off)
Floor (On / Off)
Floor / Defrost (On / Off)
Floor Door Actual Position (%)
Floor/Defrost (mix)(On / Off)
Flow Through Fan Feedback (Enable(d) / Disable(d))
Flow Through Fan Power (Enable(d) / Disable(d))
Flowthrough Fan Fault (Yes (True) / No (False))
FLt: Fuel Level Input. 0% is empty (no fuel). See Annex B of ISO 15031-5 for full specification.
(% full)
Fluid Heater Fault (Yes (True) / No (False))
Flywheel recognition cycle completed (Yes (True) / No (False))
FM Switch (Active / Inactive)
FM/AM (Yes (True) / No (False))
Fog Driver Open Circuit (Yes (True) / No (False))
Fog Driver Output Status (On / Off)
Fog Driver Short to Battery (Yes (True) / No (False))
Fog Driver Short to Ground (Yes (True) / No (False))
Fog Lamp Rear (Active / Inactive)
Fog Lamps Switch (Active / Inactive)
Foglamp (On / Off)

FOH Communication (On / Off)
Foot (Yes (True) / No (False))
Foot Brake (Active / Inactive)
Foot Door Maximum Counts (Counts)
Forkbolt Secondary Switch (Active / Inactive)
Forkbolt Switch (Active / Inactive)
Forward (Active / Inactive)
Forward Alert Switch LED Status (On / Off)
Forward Alert Switch Position Status (On / Off)
Forward Collision Warning (Active / Inactive)
Forward Collision Warning Chime (Active / Inactive)
Forward Collision Warning Confirmation Chime (Active / Inactive)
Forward Switch (Active / Inactive)
Forward Switch (Active / Inactive)
Forward/Rearward Position Sensor Present (Yes (True) / No (False))
Forward/Rearward Position Sensor Present (Yes (True) / No (False))
Forward/Reverse clutch always open (Active / Inactive)
FR Solenoid (Open / Close(d))
FR Wheel needed anti-lock control (Enable(d) / Disable(d))
FR Wheel needed traction control (Enable(d) / Disable(d))
Free Rolling Learn Status 1 between 100-130 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 130-160 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 15-70 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 160-190 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 190-220 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 220-250 Kph (Yes (True) / No (False))
Free Rolling Learn Status 1 between 70-100 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 100-130 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 130-160 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 15-70 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 160-190 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 190-220 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 220-250 Kph (Yes (True) / No (False))
Free Rolling Learn Status 2 between 70-100 Kph (Yes (True) / No (False))
Frequency Fuel Pump (% duty cycle on time)
Frequency of Test Signal (MHz)
Front Accelerometer Requesting Firm (Yes (True) / No (False))
Front Axle Level Sensor PWM Duty Cycle (% Duty Cycle)
Front Damper Current Above Threshold (Yes (True) / No (False))
Front Down Switch (Active / Inactive)
Front Down Switch (Active / Inactive)
Front Driver side Park Lamp (Energize / De-energize)
Front Driver's Side Belt Tension Sensor Circuit Fault (Fault / No Fault)
Front Driver's Side Belt Tension Sensor Circuit Fault (Yes (True) / No (False))
Front Driver's Side Belt Tension Sensor Open Circuit (Fault / No Fault)
Front Driver's Side Belt Tension Sensor Open Circuit (Yes (True) / No (False))
Front Driver's Side Belt Tension Sensor Short to Battery (Fault / No Fault)
Front Driver's Side Belt Tension Sensor Short to Battery (Yes (True) / No (False))
Front Driver's Side Belt Tension Sensor Short to Ground (Fault / No Fault)
Front Driver's Side Belt Tension Sensor Short to Ground (Yes (True) / No (False))
Front electronics module (Yes (True) / No (False))

Front Fill Output Open Circuit (Yes (True) / No (False))
Front Fill Output Short to Battery (Yes (True) / No (False))
Front Fill Output Short to Ground (Yes (True) / No (False))
Front Fill Output Status (Open / Close(d))
Front Fill Solenoid B Output Open (Yes (True) / No (False))
Front Fill Solenoid B Output Short to Battery (Yes (True) / No (False))
Front Fill Solenoid B Output Short to Ground (Yes (True) / No (False))
Front Fill Solenoid B Output Status (Open / Close(d))
Front Fog Lamps (Energize / De-energize)
Front Fog Lamps Indicator (Enable(d) / Disable(d))
Front Gate Solenoid Open Circuit (Yes (True) / No (False))
Front Gate Solenoid Output Status (Open / Close(d))
Front Gate Solenoid Short to Battery (Yes (True) / No (False))
Front Gate Solenoid Short to Ground (Yes (True) / No (False))
Front Heated Windshield Driver Open Circuit (Yes (True) / No (False))
Front Heated Windshield Driver Output State (On / Off)
Front Heated Windshield Driver Short to Battery (Yes (True) / No (False))
Front Heated Windshield Driver Short to Ground (Yes (True) / No (False))
Front Heated Windshield Switch (Active / Inactive)
Front HVAC Blower Sw (Active / Inactive)
Front Left Center Sensor (Detected / Never Detected)
Front Left Corner Sensor (Detected / Never Detected)
Front Left Solar Sensor Short to Battery or Open Circuit (Fault / No Fault)
Front Left Solar Sensor Short to Ground (Fault / No Fault)
Front Left Thermistor Circuit Failure (Fault / No Fault)
Front Left Thermistor Short to Ground (Fault / No Fault)
Front LH Air Mix Servo Feed back Short to Battery or Open Circuit (Fault / No Fault)
Front LH Air Mix Servo Feed back Short to Ground (Fault / No Fault)
Front LH Air Mix Servo Motor - Drive Fault (Fault / No Fault)
Front LH Mode ServoFeed back Short to Ground (Fault / No Fault)
Front LH Mode Servo Feed back Circuit Failure (Fault / No Fault)
Front LH Mode Servo Motor - Drive Fault (Fault / No Fault)
Front Passenger side Park Lamp (Energize / De-energize)
Front Passenger's Side Belt Tension Sensor Circuit Fault (Fault / No Fault)
Front Passenger's Side Belt Tension Sensor Circuit Fault (Yes (True) / No (False))
Front Passenger's Side Belt Tension Sensor Open Circuit (Fault / No Fault)
Front Passenger's Side Belt Tension Sensor Open Circuit (Yes (True) / No (False))
Front Passenger's Side Belt Tension Sensor Short to Battery (Fault / No Fault)
Front Passenger's Side Belt Tension Sensor Short to Battery (Yes (True) / No (False))
Front Passenger's Side Belt Tension Sensor Short to Ground (Fault / No Fault)
Front Passenger's Side Belt Tension Sensor Short to Ground (Yes (True) / No (False))
Front RH Air Mix Servo Feed back Short to Battery or Open Circuit (Fault / No Fault)
Front RH Air Mix Servo Feed back Short to Ground (Fault / No Fault)
Front RH Air Mix Servo Motor - Drive Fault (Fault / No Fault)
Front RH Mode ServoFeed back Short to Ground (Fault / No Fault)
Front RH Mode Servo Feed back Circuit Failure (Fault / No Fault)
Front RH Mode Servo Motor - Drive Fault (Fault / No Fault)
Front Right Center Sensor (Detected / Never Detected)
Front Right Corner Sensor (Detected / Never Detected)
Front Right Solar Sensor Short to Battery or Open Circuit (Fault / No Fault)
Front Right Solar Sensor Short to Ground (Fault / No Fault)

Front Right Thermistor Circuit Failure (Fault / No Fault)
Front Right Thermistor Short to Ground (Fault / No Fault)
Front Sensor supply open circuit (Fault / No Fault)
Front Sensor supply s/c high (Fault / No Fault)
Front Sensor supply s/c low (Fault / No Fault)
Front Sensors Configured (Yes (True) / No (False))
Front SG1 open circuit (Fault / No Fault)
Front SG2 open circuit (Fault / No Fault)
Front Side Markers (Energize / De-energize)
Front Sounder (Active / Inactive)
Front Up Switch (Active / Inactive)
Front Up Switch (Active / Inactive)
Front Up/Down Position Sensor Present (Yes (True) / No (False))
Front Up/Down Position Sensor Present (Yes (True) / No (False))
Front Washer SW (On / Off)
Front Window Sensor Switch (Active / Inactive)
Front Wiper Fast SW (On / Off)
Front Wiper Intermittent #1 (On / Off)
Front Wiper Intermittent #2 (On / Off)
Front Wiper Intermittent #3 (On / Off)
Front Wiper Interval SW (On / Off)
Front Wiper Park Position SW (Open / Closed)
Front wiper relay (Active / Inactive)
Front Wiper Relay Fast (On / Off)
Front Wiper Relay Slow (On / Off)
Front Wiper Select Switch "A" (Active / Inactive)
Front Wiper Select Switch "B" (Active / Inactive)
Front Wiper Select Switch "C" (Active / Inactive)
Front Wiper Select Switch "H" (Active / Inactive)
Front Wiper Select Switch "W" (Active / Inactive)
Front Wiper Slow SW (On / Off)
Frontal Acceleration Threshold Exceeded (Yes (True) / No (False))
Frost Amber (Active / Inactive)
Frost Red (Active / Inactive)
FRP: Fuel Rail Pressure - wide range. See Annex B of ISO 15031-5 for full specification. (kPa)
Fuel / Economy Switch (Active / Inactive)
Fuel Additive Control Module (FACM)(Yes (True) / No (False))
Fuel Additive Control Module (FACM)(Yes (True) / No (False))
Fuel Additive Gauge Control (On / Off)
Fuel Additive Pump Driver Control (Active / Inactive)
Fuel Alcohol Content (%)
Fuel Cell Status Gauge (%)
Fuel Cell Temperature Gauge (%)
Fuel Consumed During This Trip (L)
Fuel Consumed Since Last Reset (L)
Fuel correction for cylinder 1 (a positive value represents fuel added)(mg/stroke)
Fuel correction for cylinder 2 (a positive value represents fuel added)(mg/stroke)
Fuel correction for cylinder 3 (a positive value represents fuel added)(mg/stroke)
Fuel correction for cylinder 4 (a positive value represents fuel added)(mg/stroke)
Fuel correction for cylinder 5 (mg/stroke)
Fuel Cut Off is indicated by the input (Yes (True) / No (False))

Fuel Cutoff Threshold Exceeded (Yes (True) / No (False))
Fuel Door Ajar (Yes (True) / No (False))
Fuel Door Open or Ajar Warning (Active / Inactive)
Fuel Filler Door Switch (Active / Inactive)
Fuel Flow ($\mu\text{L}/\text{sec}$)
Fuel Flow (Yes (True) / No (False))
Fuel Flow (Yes (True) / No (False))
Fuel Flow Offset (%)
Fuel Gauge Commanded Position (Counts)
Fuel Gauge Pointer Placement (%)
Fuel Injection Amount (mg/cyl)
Fuel Injection Control Module Logic Power voltage (V)
Fuel Injection Control Module Main Power voltage (V)
Fuel Injection Control Module Vehicle Power voltage (V)
Fuel Injector #1 Circuit Monitor is High (Yes (True) / No (False))
Fuel Injector #1 is Commanded On (Yes (True) / No (False))
Fuel Injector #1 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #2 Circuit Monitor is High (Yes (True) / No (False))
Fuel Injector #2 is Commanded On (Yes (True) / No (False))
Fuel Injector #2 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #3 Circuit Monitor is High (Yes (True) / No (False))
Fuel Injector #3 is Commanded On (Yes (True) / No (False))
Fuel Injector #3 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #4 Circuit Monitor is High (Yes (True) / No (False))
Fuel Injector #4 is Commanded On (Yes (True) / No (False))
Fuel Injector #4 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #5 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #6 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #7 Output Fault Detected (Yes (True) / No (False))
Fuel Injector #8 Output Fault Detected (Yes (True) / No (False))
Fuel Injector number 1 is commanded on. (Yes (True) / No (False))
Fuel Injector number 10 is commanded on. (Yes (True) / No (False))
Fuel Injector number 11 is commanded on. (Yes (True) / No (False))
Fuel Injector number 12 is commanded on. (Yes (True) / No (False))
Fuel Injector number 13 is commanded on. (Yes (True) / No (False))
Fuel Injector number 14 is commanded on. (Yes (True) / No (False))
Fuel Injector number 15 is commanded on. (Yes (True) / No (False))
Fuel Injector number 16 is commanded on. (Yes (True) / No (False))
Fuel Injector number 2 is commanded on. (Yes (True) / No (False))
Fuel Injector number 3 is commanded on. (Yes (True) / No (False))
Fuel Injector number 4 is commanded on. (Yes (True) / No (False))
Fuel Injector number 5 is commanded on. (Yes (True) / No (False))
Fuel Injector number 6 is commanded on. (Yes (True) / No (False))
Fuel Injector number 7 is commanded on. (Yes (True) / No (False))
Fuel Injector number 8 is commanded on. (Yes (True) / No (False))
Fuel Injector number 9 is commanded on. (Yes (True) / No (False))
Fuel Injector Pulse Width Number 1 for the Alternative Fuel Control Module (AFCM). (μs)
Fuel Injector Pulse Width Number 2 for the Alternative Fuel Control Module (AFCM). (μs)
Fuel Injector Pulsewidth, bank 1 (Clock ticks)
Fuel Injector Pulsewidth, bank 2 (Clock ticks)
Fuel Learning is enabled by an exit from a fault (Yes (True) / No (False))

Fuel Learning is enabled by distance traveled reached since last refueling was detected (Yes (True) / No (False))
Fuel Learning is enabled by fuel consumption reached (Yes (True) / No (False))
Fuel Learning is enabled by number of trips reached without a refueling detected (Yes (True) / No (False))
Fuel Learning is enabled by refueling detected (Yes (True) / No (False))
Fuel Learning is enabled by service equipment command (Yes (True) / No (False))
Fuel Level Analog Input #2 Status (% full)
Fuel Level Analog Input #3 Status (Gallons)
Fuel Level Analog Input Status (% full)
Fuel Level Input voltage (V)
Fuel Lift Pump Relay Control (Active / Inactive)
Fuel Pressure (gage)(kPa)
Fuel Pressure desired (kPa)
Fuel Pressure Regulator Control duty cycle (%)
Fuel Pressure Regulator Control is Vented to Atmosphere (Yes (True) / No (False))
Fuel Pressure Regulator Control Solenoid Output Fault Detected (Yes (True) / No (False))
Fuel Pump (On / Off)
Fuel pump (On / Off)
Fuel Pump Control Output duty cycle (%)
Fuel pump control output number 2 duty cycle (%)
Fuel Pump Monitor Input duty cycle approximation (%)
Fuel Pump Output Fault Detected (Yes (True) / No (False))
Fuel Pump Primary Circuit Monitor High (Yes (True) / No (False))
Fuel Pump Secondary Monitor High (Yes (True) / No (False))
Fuel Pump Status (On / Off)
Fuel rail pressure bank 2 before any FMEM substitution. (See PID 168C for bank 1.)(PSI)
Fuel Rail Pressure desired (PSI)
Fuel Rail Pressure raw signal (A/D counts)
Fuel Rail Pressure relative to manifold vacuum (kPa)
Fuel Rail Pressure Transducer Currently Unreliable (Yes (True) / No (False))
Fuel Rail Temperature 2 (°F)
Fuel Rail Temperature Sensor 1 raw signal (A/D counts)
Fuel Rail Temperature Sensor 2 raw signal (A/D counts)
Fuel Rail Temperature Sensor Bank 2 Currently Unreliable (Yes (True) / No (False))
Fuel Rail Temperature Sensor Currently Unreliable (Yes (True) / No (False))
Fuel Sender Input Value (Ohms)
Fuel Sender Input Value- High Resolution (Ohms)
Fuel shut off commanded (Yes (True) / No (False))
Fuel Solenoid Valve Commanded Open (Yes (True) / No (False))
Fuel Solenoid Valve Monitor High (Yes (True) / No (False))
Fuel Solenoid Valve Output Fault Detected (Yes (True) / No (False))
Fuel Tank Filler Cap/Flap/Door State, where 0=Cap/Flap/Door is Open and 1=Cap/Flap/Door is Closed. (Close / Open)
Fuel Tank Isolation Valve (FTIV)Output Fault Detected (Yes (True) / No (False))
Fuel Tank Isolation Valve percent flow (%)
Fuel Tank Pressure (Inches)
Fuel Tank Pressure (PSI)
Fuel Tank Pressure before any failure mode substitution (PSI)
Fuel Tank Pressure raw signal (Counts)
Fuel Tank Pressure Sensor Failure (Yes (True) / No (False))

Fuel TANK Temperature before any FMEM substitution. (°F)
Fuel Transfer DTC Delay Timer (s)
Fuel Usage (Cumulative)(Gallons)
Fuel Volume desired (mm³/stroke)
Fuel Volume Regulator Control duty cycle (%)
Full Switch (Active / Inactive)
Fully Applied (Yes (True) / No (False))
Fully Released (Yes (True) / No (False))
Function Button (Active / Inactive)
Gate Optical Sensor 1 (Active / Inactive)
Gate Optical Sensor 2 (Active / Inactive)
Gate Switch (Active / Inactive)
Gauge Driver Output Enable (Enable(d) / Disable(d))
Gear 1 (Active / Inactive)
Gear 1 blocked (Yes (True) / No (False))
Gear 2 (Active / Inactive)
Gear 2 blocked (Yes (True) / No (False))
Gear 3 (Active / Inactive)
Gear 3 blocked (Yes (True) / No (False))
Gear 4 (Active / Inactive)
Gear 4 blocked (Yes (True) / No (False))
Gear 5 (Active / Inactive)
Gear 5 blocked (Yes (True) / No (False))
Gear 6 (Active / Inactive)
Gear 6 blocked (Yes (True) / No (False))
Gear 7 (Active / Inactive)
Gear 8 (Active / Inactive)
Gear N1 blocked (Yes (True) / No (False))
Gear N2 blocked (Yes (True) / No (False))
Gear R blocked (Yes (True) / No (False))
Gear select actuator valve commanded current (mA)
Gear select position (which gate)PLCD (Permanent magnet Linear Contactless Displacement)sensor
Gear Selector A (Present / Not Present)
Gear Selector B (Present / Not Present)
Gear Selector C (Present / Not Present)
Gear Selector D (Present / Not Present)
Gear Selector E (Present / Not Present)
Gear shift forward actuator valve commanded current (mA)
Gear shift position (where in gate)PLCD (Permanent magnet Linear Contactless Displacement)sensor
Gear shift rearward actuator valve commanded current (mA)
Gear Shift Up (Active / Inactive)
GEM (Yes (True) / No (False))
GEM / SJB (Yes (True) / No (False))
General Warning Amber (Active / Inactive)
General Warning Red (Active / Inactive)
Generate Inverter Voltage (V)
Generator Brake status (Applied / Not Applied)
Generator Coil Temperature (°C)

Generator Command 2 (GENCOM2)desired regulation voltage (setpoint)for the charging system (alternator number 2)(V)
Generator Command 2 duty cycle (%)
Generator Monitor (GENMON)frequency. (Load Input/Alternator Field (LI/ALF)frequency.)(Hz)
Generator Monitor 2 (GENMON2)frequency. (Alternator number 2 - Load Input 2/Alternator Field 2 (LI2/ALF2)frequency.)(Hz)
Generator Shutdown request received (Yes (True) / No (False))
Generator Speed (RPM)
Generic Display Module (GDM)(Yes (True) / No (False))
Generic Display Module (GDM)(Yes (True) / No (False))
GENMOM: Alternator Input Mark Space Ratio. =(time hi) /period; =1 if Input stuck hi; =0 if stuck low
Glass Position (Open / Close(d))
Global Close Function Enable (Active / Inactive)
Global Close Function Select (Down / Up)
Global Signal (On / Off)
Glow Plug (On / Off)
Glow plug (On / Off)
Glow Plug Coil duty cycle (% duty cycle on time)
Glow Plug Coil On Time (s)
Glow Plug Current Bank 1 (A)
Glow Plug Current Bank 2 (A)
Glow Plug Indicator commanded state (On / Off)
Glow Plug Lamp On Time (s)
GPS Antenna (Present / Not Present)
GPS Error (Yes (True) / No (False))
GPS information - Latitude (°)
GPS information - Longitude
Graphic Backlighting (Enable(d) / Disable(d))
Green LED (Active / Inactive)
Ground Lighting (Enable / Disable(d))
GSDN_E-Quizzer (Generator Shut Down due to E-Quizzer request)(Yes (True) / No (False))
GSDN_VSC_CAN (Generator Shut Down due to request from VSC (Vehicle System Controller)over CAN)(Yes (True) / No (False))
GSDN_VSC_HW (Generator Shut Down due to request from VSC (Veh Sys Controller)over Hard Wired input)(Yes (True) / No (False))
Gyro Error (Yes (True) / No (False))
Half Switch (Active / Inactive)
Hall Power Output Open Circuit (Yes (True) / No (False))
Hall Power Output Short to Battery (Yes (True) / No (False))
Hall Power Output Short to Ground (Yes (True) / No (False))
Hall Power Output State (On / Off)
Hall Sensor 02
Hall Sensor 03
Hall Sensor 04
Hall Sensor 05
Hall Sensor 06
Hall Sensor 07
Hall Sensor 08
Hall Sensor 09
Hall Sensor 1

Hall Sensor 10
Hall Sensor 11
Hall Sensor 12
Hall Sensor 13
Hall Sensor 14
Hand brake (On / Off)
Hand Brake/Park Brake Switch Status (Applied / Not Applied)
Handbrake SW (On / Off)
Handle Switch Signal (Active / Inactive)
Hard Acceleration Detected (Yes (True) / No (False))
Hardtop Sense Input (ON / OFF)
Hardware Fault (Yes (True) / No (False))
Hazard Switch (Active / Inactive)
Hazard Warning (Active / Inactive)
Hazard Warning Indicator (Disable(d) / Enable(d))
Hazard Warning Indicator (Energize / De-energize)
Hazard Warning Inhibit (Enable(d) / Disable(d))
Hazard Warning SW (On / Off)
Hazard warning telltale (for example, a red triangle)commanded state (On / Off)
Head Lamp Relay (Energize / De-energize)
Headlamp Aim Relay (Energize / De-energize)
Headlamp Dimmer Switch (Active / Inactive)
Headlamp Drive Output Signal (% Vref)
Headlamp High Beam SW (On / Off)
Headlamp Low Beam SW (On / Off)
Headlamp Off Circuit (Active / Inactive)
Headlamp Off Switch (Active / Inactive)
Headlamp On Circuit (Active / Inactive)
Headlamp ON Switch (Active / Inactive)
Headlamp Output Open Circuit (Energize / De-energize)
Headlamp Output (Energize / De-energize)
Headlamp Output Short to Ground (Energize / De-energize)
Headlamp Output Short to Vbatt (Energize / De-energize)
Headlamp Signal Invalid Range (Active / Inactive)
Headlamp Signal Open or Short to Battery (Active / Inactive)
Headlamp Switch Signal (Active / Inactive)
Headlamp System - Memory Fault (Yes (True) / No (False))
Headlamp washer (Active / Inactive)
Headlamp Washer (Energize / De-energize)
Headlamp Washer Relay (On / Off)
Headlamp Wiper (Energize / De-energize)
Headlamps - Dipped Beam (active / inactive)
Headlamps - High Beam Switch (Active / Inactive)
Headlamps - Low Beam Switch (Active / Inactive)
Headlamps (Active / Inactive)
Headlamps on Reminder Chime (Active / Inactive)
Headlamps on Reminder Chime (Enable(d) / Disable(d))
Headlamp Signal Short to Ground (Active / Inactive)
Headphone Left (Active / Inactive)
Headphone Right (Active / Inactive)
Headrest Down Switch (Active / Inactive)

Headrest Down Switch (Active / Inactive)
Headrest Down Switch (Active / Inactive)
Headrest Motor Delay value (A/D counts)
Headrest Motor Timeout (s)
Headrest Position Sensor Present (Yes (True) / No (False))
Headrest Position Sensor Present (Yes (True) / No (False))
Headrest Softend-stop (A/D counts)
Headrest Switch Timeout (s)
Headrest Up Switch (Active / Inactive)
Headrest Up Switch (Active / Inactive)
Headrest Up Switch (Active / Inactive)
Heat Request Received (Yes (True) / No (False))
Heat Sink Temperature (°C)
Heated Backlight Relay (Active / Inactive)
Heated Backlight Relay (Energize / De-energize)
Heated Backlite Driver Open Circuit (Yes (True) / No (False))
Heated Backlite Driver Output State (On / Off)
Heated Backlite Driver Short to Battery (Yes (True) / No (False))
Heated Backlite Driver Short to Ground (Yes (True) / No (False))
Heated Backlite LED (On / Off)
Heated Backlite Relay (On / Off)
Heated Backlite SW (On / Off)
Heated Backlite Switch (Active / Inactive)
Heated Fronscreen Relay (On / Off)
Heated Front Screen (HFS)fitted (Present / Not Present)
Heated Front Screen (On / Off)
Heated Front Screen (On / Off)
Heated Front Screen (On / Off)
Heated Front Screen (On / Off)
Heated Frontscreen SW (On / Off)
Heated Rear Screen (On / Off)
Heated Rear Window (On / Off)
Heated Seat Switch Status (Active / Inactive)
Heated Seat Switch Status (Active / Inactive)
Heated Side Mirrors (Energize / De-energize)
Heated Windshield (On / Off)
Heated Windshield (Windscreen)(Energize / De-energize)
Heater (On / Off)
Heater activation (Active / Inactive)
Heater Core A (Enable(d) / Disable(d))
Heater Core A (On / Off)
Heater Core A in Retry (Yes (True) / No (False))
Heater Core B (Enable(d) / Disable(d))
Heater Core B (On / Off)
Heater Core B in Retry (Yes (True) / No (False))
Heater fan adjustment (V)
Heater lockout (Lock(ed) / Unlock(ed))
Heater Over-Temperature (Yes (True) / No (False))
Heater Power (Enable(d) / Disable(d))
Heater prefilled (Lock(ed) / Unlock(ed))
Heater Present (Yes (True) / No (False))

Heater Pump commanded state (On / Off)
Heater Pump output fault detected (Yes (True) / No (False))
Heater Short (Yes (True) / No (False))
Height Sensor Power (% full power)
Height Sensor Power (% full power)
Height Sensor Power (On / Off)
Height Sensor Power (On / Off)
Height Sensor Power (On / Off)
Height Sensor Power Supply Voltage #2 (V)
Height Sensor Power Supply Voltage (V)
Height Sensor Reference (On / Off)
Height Sensor Signal Level Above High Threshold (TRUE / FALSE)
Height Sensor Signal Level Below Low Threshold (TRUE / FALSE)
Height Sensor Supply (On / Off)
HEV Engine Running Chime (Active / Inactive)
HEV Hazard Indicator (Active / Inactive)
HEV Ready Light (Active / Inactive)
HID Headlamp Output (% rad)
High Beam (On / Off)
High Beam Indicator (Disable(d) / Enable(d))
High Beam Indicator (Energize / De-energize)
High Level Current Leakage During Charge Fault (Yes (True) / No (False))
High Mount Stop Lamp (Energize / De-energize)
High score lateral acceleration (G's)
High score yaw rate (Degrees / Second)
High Series DDM (Yes (True) / No (False))
High Speed CAN Communication Bus (Fault / No Fault)
High Speed Desired for 2-speed Fuel Pump (Yes (True) / No (False))
High Speed Fan (On / Off)
High Speed Fan Fault Detected (Yes (True) / No (False))
High Speed Fan Monitor High (Yes (True) / No (False))
High Speed Fan Primary Circuit Monitor High (Yes (True) / No (False))
High Temperature Delta in Battery Pack (Yes (True) / No (False))
High Temperature Shutdown Events
High Tone (On / Off)
High Voltage Battery Current (A)
High Voltage Battery Power Off request received (Yes (True) / No (False))
High Voltage Fuse (Fault / No Fault)
High Voltage System Inter-lock Circuit (Fault / No Fault)
Highest Gear Permitted in Current State
Highest Temperature of the (electric) motor phase temperatures (°C)
Highest Temperature of the generator phase temperatures (°C)
Highside driver activation 1 - LPS line pressure, SHSS2, SHCMS (On / Off)
Highside driver activation 2 - CSMS1, CPCS1, CCFS (On / Off)
Highside driver activation 3 - CSMS2, CPCS2, SHSS1 (On / Off)
Hill Descent Control Enabled (Active / Inactive)
Hill Descent Control Switch Input Status (Active / Inactive)
Home Switch (Active / Inactive)
Hood Ajar (Open / Close(d))
Hood Ajar (Yes (True) / No (False))
Hood Ajar SW (Open / Close(d))

Hood Cylinder Punch-out (Yes (True) / No (False))
Hood Cylinder Switch (Active / Inactive)
Hood Lamp (Energize / De-energize)
Hood Lamp Status (Energize / De-energize)
Hood Switch (On / Off)
Horizontal Position Sensor Present (Yes (True) / No (False))
Horn Control Driver Open Circuit (Yes (True) / No (False))
Horn Control Driver Output State (On / Off)
Horn Control Driver Short to Battery (Yes (True) / No (False))
Horn Control Driver Short to Ground (Yes (True) / No (False))
Horn Input Switch (Active / Inactive)
Horn Warning Inhibit (Enable(d) / Disable(d))
HPU (Hydraulic Pump Unit)hydraulic oil temperature (°C)
Hublock disengage switch (Active / Inactive)
Hublock lock solenoid Driver Open circuit (Yes (True) / No (False))
Hublock lock solenoid Driver Short to Battery (Yes (True) / No (False))
Hublock lock solenoid Driver Short to ground (Yes (True) / No (False))
Hublock lock solenoid output state (On / Off)
Hublock position feedback switch (Active / Inactive)
Hublock Unlock solenoid Driver Open circuit (Yes (True) / No (False))
Hublock Unlock solenoid Driver Short to Battery (Yes (True) / No (False))
Hublock Unlock solenoid Driver Short to ground (Yes (True) / No (False))
Hublock Unlock solenoid output state (On / Off)
Humidity Sensor Output (V)
HVAC Switch Input Voltage (V)
HVEC EPO Out Signal (Applied / Not Applied)
HVEC Wakeup (Present / Not Present)
HVEC Wakeup Enabled (Enable(d) / Disable(d))
Hybrid Battery Pack Air Temperature Sensor A Circuit (Fault / No Fault)
Hybrid Battery Pack Air Temperature Sensor B Circuit (Fault / No Fault)
Hybrid Battery Pack Cooling Fan 1 Control Circuit (Fault / No Fault)
Hybrid Battery Pack Cooling Fan 2 Control Circuit (Fault / No Fault)
Hybrid Battery Pack Current Sensor Circuit Range/Performance (Fault / No Fault)
Hybrid Battery Pack Current Sensor Circuit/Open (Fault / No Fault)
Hybrid Battery Pack Over Temperature (Fault / No Fault)
Hybrid Battery Pack State of Charge Low (Fault / No Fault)
Hybrid Battery Power Limit Exceeded (Fault / No Fault)
Hybrid Battery Power Off Circuit (Fault / No Fault)
Hybrid Battery Temperature Sensor Circuit (Fault / No Fault)
Hybrid Battery Voltage Isolation Sensor Circuit (Fault / No Fault)
Hybrid Battery Voltage System Isolation Fault (Fault / No Fault)
Hyd. Pump neg. (High / Low)
Hyd. Pump pos. (High / Low)
Hydraulic limp home Mode (Active / Inactive)
Hydraulic oil: Fluid Level input indicates that the fluid level is NOT OK (Yes (True) / No (False))
Hydraulic Pump Control Input Switch (Active / Inactive)
Hydraulic Pump Temperature (°C)
I/P Open/Close Switch Input (Active / Inactive)
ID of Leaking Battery Pack Module
Ident Pin, Coding as Passenger Module (enabled / disabled)
Identifies the particular shift for the values provided by the PIDs 1932, 1933, 1934, 1935

Idle Air Control (IAC) Monitored since Power-up (Yes (True) / No (False))
Idle RPM desired (RPM)
Idle Speed Duty Cycle (%)
Idle Switch (On / Off)
Idle Switch where 0=pedal depressed partially or fully and 1=pedal not depressed (at idle position)(At Idle / Not At Idle)
Idle Validation Switch (Off Idle / Idle)
IG Key Cylinder Push Switch (On / Off)
IG1 Status (On / Off)
Ignition Switch (Active / Inactive)
Ignition (CAN)(On / Off)
Ignition (Internal)(On / Off)
Ignition CAN (1=message received that key is in run (ignition powered)position)(Yes (True) / No (False))
Ignition CAN2 (1=redundant message received that key is in run (ignition powered)position)(Yes (True) / No (False))
Ignition Monitor (Active / Inactive)
Ignition On (Active / Inactive)
Ignition Position Switch (On / Off)
Ignition Run Detect (OK / Low)
Ignition Run Detect (OK / Low)
Ignition Run Detect (OK / Low)
Ignition Run Detect (Yes (True) / No (False))
Ignition status (On / Off)
Ignition status (On / Off)
Ignition Switch (On / Off)
Ignition Switch Cylinder Punch-out (Yes (True) / No (False))
Ignition Switch Cylinder Sensor Open Circuit (Yes (True) / No (False))
Ignition Switch Cylinder Sensor Short to Battery (Yes (True) / No (False))
Ignition Switch Cylinder Sensor Short to Ground (Yes (True) / No (False))
Ignition Switch Run/Start Position Circuit (Fault / No Fault)
Ignition Switch: Engine start position input indicates that Ignition Switch is in start position. (Yes (True) / No (False))
Ignition Switch: Run position input indicates that the Ignition Switch is in the run position. (Yes (True) / No (False))
Ignition Timing Advance for #1 Cylinder (°BTDC)
Ignition timing fault detected for cylinder 1 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 10 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 2 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 3 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 4 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 5 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 6 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 7 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 8 (Yes (True) / No (False))
Ignition timing fault detected for cylinder 9 (Yes (True) / No (False))
Ignition timing fault detection hardware enabled (Yes (True) / No (False))
Ignition timing fault detection OBD Monitor enabled (Yes (True) / No (False))
Ignition Voltage #2 (V)
Ignition Voltage (V)
IKB Circuit Resist. Low on Squib, Front Driver side (Yes (True) / No (False))

IKB Circuit Open, Front Driver side (Yes (True) / No (False))
IKB Circuit Open, Front Passenger side (Yes (True) / No (False))
IKB Circuit Resist. Low on Squib, Front Passenger side (Yes (True) / No (False))
IKB Circuit Short to Battery, Front Driver side (Yes (True) / No (False))
IKB Circuit Short to Battery, Front Passenger side (Yes (True) / No (False))
IKB Circuit Short to Ground, Front Driver side (Yes (True) / No (False))
IKB Circuit Short to Ground, Front Passenger side (Yes (True) / No (False))
Illuminated Entry Driver Open Circuit (Yes (True) / No (False))
Illuminated Entry Driver Output State (On / Off)
Illuminated Entry Driver Short to Battery (Yes (True) / No (False))
Illuminated Entry Driver Short to Ground (Yes (True) / No (False))
Illuminated Entry Relay Control (Energize / De-energize)
Illuminated Entry Switch (Active / Inactive)
Illumination PWM (Pulse Width Modulation)(Active / Inactive)
Illumination pwm value (%)
Illumination PWM Value -Buttons (% Duty Cycle)
Immobilizer Function (Supported / Not Supported)
In Camshaft Position Sensor Failure Mode (Yes (True) / No (False))
In Camshaft Position sensor number 2 (CID2)failure mode. (CID2 sensor input is not reliable.)(Yes (True) / No (False))
In EGR System Failure Mode (Yes (True) / No (False))
In Electronic Pressure Control Failure Mode (Yes (True) / No (False))
In Engine Coolant Temperature Sensor Failure Mode (Yes (True) / No (False))
In Gear (Yes (True) / No (False))
In Gear (Yes (True) / No (False))
In Inlet Air Temperature Sensor Failure Mode (Yes (True) / No (False))
In Mass Airflow Sensor Failure Mode (Yes (True) / No (False))
In the past, Engine Shutdown invoked due to Low Fuel level (Historical status)(Yes (True) / No (False))
In the past, Simulated Misfire Invoked due to Low Fuel Level (Historical Status)(Yes (True) / No (False))
In Throttle Sensor Failure Mode (Yes (True) / No (False))
In Trans Oil Temperature Sensor Failure Mode (Yes (True) / No (False))
In Trans Output Shaft Sensor Failure Mode (Yes (True) / No (False))
In Transmission Overtemp Lockup Mode (Yes (True) / No (False))
In Turbine Speed Sensor Failure Mode (Yes (True) / No (False))
In Vehicle Speed Sensor Failure Mode (Yes (True) / No (False))
Inch Down Switch (Active / Inactive)
Inch Mode Timeout (s)
Inch Up Switch (Active / Inactive)
Inclination Sensor Alarm Status (Active / Inactive)
Indicator Lamp (On / Off)
Inertia Switch Status (Enable(d) / Disable(d))
Inertial Sensor Module (Yes (True) / No (False))
Inferred Exhaust Back Pressure (kPa)
Inferred Temperature at Tip of Downstream O2S Sensor (°F)
Info for CARB Verification of Adaptive Fuel Pump Monitor
Info for CARB Verification of Adaptive Fuel Pump Monitor
Info Switch (Active / Inactive)
Infotainment System On (Active / Inactive)
Initial Power-Up Manual Apply Performed (Yes (True) / No (False))

Injection Control Pressure (MPaG (Gage))
Injection Control Pressure desired (MPaA(Absolute))
Injection Control Pressure duty cycle (% duty cycle on time)
Injection Control Pressure raw signal (A/D counts)
Injection Pump Power Relay (Active / Inactive)
Injector 1 lifetime number of full adaptations
Injector 2 lifetime number of full adaptations
Injector 3 lifetime number of full adaptations
Injector 4 lifetime number of full adaptations
Injector 5 lifetime number of full adaptations
Injector 6 lifetime number of full adaptations
Injector 7 lifetime number of full adaptations
Injector 8 lifetime number of full adaptations
Injector Power Monitor voltage (V)
Input for transmission Intermediate Shaft Speed (IMS/ISS)is currently unreliable. (Yes (True) / No (False))
Input for transmission Output Shaft Speed (OSS)is currently unreliable. (Yes (True) / No (False))
Input for transmission Turbine Shaft Speed (TSS)is currently unreliable. (Yes (True) / No (False))
Input for Vehicle Speed (VS)is currently unreliable. (Yes (True) / No (False))
Input is requesting that the GLOW PLUG INDICATOR or CHECK ENGINE LIGHT (MIL)be turned on. (Yes (True) / No (False))
Instantaneous Fuel Economy - Metric (L/100km)
Instantaneous Fuel Consumption (L/hr)
Instrument Cluster (IC)\$60 (Yes (True) / No (False))
Instrument Cluster (IC)(Yes (True) / No (False))
Instrument Cluster (IC)(Yes (True) / No (False))
Int Manifold Communication Control Output Fault Detected (Yes (True) / No (False))
Int Manifold Runner Circuit Monitor High (Yes (True) / No (False))
Int Manifold Runner Control Output Fault Detected (Yes (True) / No (False))
Intake Air Pressure (IAP)UPSTREAM of the Throttle (kPa)
Intake Air Temperature (°C)
Intake Air Temperature 2 raw signal (A/D counts)
Intake Air Temperature at the time of misfire (°)
Intake Air Temperture raw signal (A/D counts)
Intake Manifold Absolute Pressure (kPa)
Intake Manifold Air Temperature Sensor raw signal (A/D Counts)
Intake Manifold Communication Control duty cycle (%)
Intake Manifold Runner Control Duty Cycle (%)
Intake Manifold Runner Control Position (IMRCP)sensor, where =1 indicates that the IMRC is open. (Open / Close(d))
Intake Manifold Runner Control Position Bank 1 (Counts)
Intake Manifold Runner Control Position Bank 2 (Counts)
Intake Manifold Tuning Valve (IMTV aka IMCC)position sensor indicates that the IMTV is open. (Yes (True) / No (False))
Intake Shutter Valve 1 (ISV1), also known as an EGR Throttle, throttles the intake air to allow higher EGR flows. (Energize / De-energize)
Intake Shutter Valve 2 (ISV2), also known as an EGR Throttle, throttles the intake air to allow higher EGR flows. (Energize / De-energize)
Intercooler (coolant)Pump Output Fault Detected (Yes (True) / No (False))
Interior Actual Temperature #2 (°C)
Interior Actual Temperature (°C)

Interior Lamp Override Switch (Active / Inactive)
Interior lamps (Active / Inactive)
Interior lamps output feedback (Active / Inactive)
Interior Lights (On / Off)
Interior Scanning Power (On / Off)
Interior Scanning Sense (On / Off)
Interior Set Temperature (°C)
Interior Temperature Sensor Inlet Motor Speed (Hz)
Intermediate Frequency Our for Antenna (Active / Inactive)
Internal Backup Power Supply Voltage Value (V)
Internal Control Module Software Incompatibility (Fault / No Fault)
Internal Media Error (Yes (True) / No (False))
Internal Safing Fault (Yes (True) / No (False))
Internal Safing Fault (Yes (True) / No (False))
Internal Shift Force (Learning EOL)(Newtons)
Intervention Motor Drive Signal Duty Cycle (% duty cycle on time)
Intervention Motor Throttle Position (% Vref)
Intrusion and Inclination sensor power (Active / Inactive)
Intrusion Sensor (On / Off)
Intrusion Sensor Alarm Status (Active / Inactive)
Intrusion Sensor Fault Status (Fault / No Fault)
Intrusion Sensor Input Status (Active / Inactive)
Intrusion Sensor Power Status (On / Off)
Invalid Data (Yes (True) / No (False))
Invalid Data Received for HVAC Blower Fan Speed Command (Yes (True) / No (False))
Invalid Data Received From ECM/PCM (Fault / No Fault)
Invalid Data Received From TCM (Fault / No Fault)
Invalid Indicator (Invalid / Valid)
IOM Diagnostic Fault/Pilot Not Disabled Fault (Yes (True) / No (False))
IOM to BCM Diagnostic Input Status (High / Low)
IOM to BCM Diagnostic Input Stuck High Fault (Yes (True) / No (False))
IOM to BCM Diagnostic Input Stuck Low Fault (Yes (True) / No (False))
IP Lamp State (On / Off)
I-PAD Switch State (On / Off)
IPE (Inductive Position Encoder)Out-of-Range (Yes (True) / No (False))
ISC Open Circuit Detected (Yes (True) / No (False))
ISC Short to Ground Detected (Yes (True) / No (False))
IVD Sensors Supply Voltage (V)
IVD State (On / Off)
IWE Solenoid Output Open Circuit (Yes (True) / No (False))
IWE Solenoid Output Short to Battery (Yes (True) / No (False))
IWE Solenoid Output Short to Ground (Yes (True) / No (False))
IWE Solenoid State (Energized / De-energized)
JP TV Fitted (Present / Not Present)
Jump Start Control Module Fault (Fault / No Fault)
'k' Display Segment (Enable(d) / Disable(d))
Keep Alive Memory (KAM)voltage is good (above the defined threshold)(Yes (True) / No (False))
Key Cylinder Switch (LOCK)(On / Off)
Key Cylinder Switch (UNLOCK)(On / Off)
Key Cylinder Switch Passenger Seat(LOCK)(On / Off)

Key Cylinder Switch Passenger Seat(UNLOCK)(On / Off)
Key Cylinder Switch Trunk(UNLOCK)(On / Off)
Key In Ignition (Yes (True) / No (False))
Key in ignition (Yes (True) / No (False))
Key In Ignition Reminder Chime (Active / Inactive)
Key In Ignition Reminder Chime (Enable(d) / Disable(d))
Key In-Ignition (Yes (True) / No (False))
Key Off PCU Shutdown (Yes (True) / No (False))
Key Run (Present / Not Present)
Key Start (Present / Not Present)
Keycode Ground (/)
Keycode Was Erased - Memory Fault (Yes (True) / No (False))
Keycode Was Erased (Yes (True) / No (False))
Keyless Switch (On / Off)
Keyless Vehicle System Status (Enable(d) / Disable(d))
Keypad 1/2 Switch (Active / Inactive)
Keypad 1/2 Switch (Active / Inactive)
Keypad 3/4 Switch (Active / Inactive)
Keypad 3/4 Switch (Active / Inactive)
Keypad 5/6 Switch (Active / Inactive)
Keypad 5/6 Switch (Active / Inactive)
Keypad 7/8 Switch (Active / Inactive)
Keypad 7/8 Switch (Active / Inactive)
Keypad 9/0 Switch (Active / Inactive)
Keypad 9/0 Switch (Active / Inactive)
Keypad Illumination (Active / Inactive)
Keypad Illumination FB (Active / Inactive)
Keypad Illumination FB rear DCU (Active / Inactive)
Keypad Lamp Driver Open Circuit (Yes (True) / No (False))
Keypad Lamp Driver Output State (On / Off)
Keypad Lamp Driver Short to Battery (Yes (True) / No (False))
Keypad Lamp Driver Short to Ground (Yes (True) / No (False))
Kick Down (Active / Inactive)
Kickdown (Active / Inactive)
Kill Switch (Active / Inactive)
'km' Segment (Enable(d) / Disable(d))
Knee Bolster Driver (Yes (True) / No (False))
Knee Bolster Driver (Yes (True) / No (False))
Kneel Switch Status (Active / Inactive)
Knocking Retard (°)
KV SEC ID status (Yes (True) / No (False))
KV Verification status (Yes (True) / No (False))
'l' Display Segment (Enable(d) / Disable(d))
Lambda Equivalence Ratio - EGO1
Lambda Equivalence Ratio - EGO2
Lamp ON (Yes (True) / No (False))
Lamp Outage Warning Indicator (Enable(d) / Disable(d))
Lamp+(illumination voltage)(Counts)
Last Reading Detected High Pressure (Yes (True) / No (False))
Last Received Sensor Checksum
Last Received Transmitter ID Code (TIC)Value

Last Received Transmitter ID Code (TIC)Value (Counts)
Last Received Transmitter Rolling Code
Last RF Data Received (Bytes 1 - 4)
Last RF Data Received (Bytes 5 - 8)
Last RF Data Received (Bytes 9 - 12)
Last Transmitted Tire Motion Status (Active / Inactive)
Last Transmitted Tire Pressure Resolution (High / Low)
Last Transmitted Tire Sensor Battery Status (Low Range / Normal Range)
Latching Position (Yes (True) / No (False))
Latch-Switch Status (active / inactive)
Lateral Acceleration - Front (m/s^2)
Lateral Acceleration (m/s^2)
Lateral Acceleration Above Limit (Yes (True) / No (False))
Lateral Acceleration Sensor Initialization Start (Yes (True) / No (False))
Lateral Acceleration Sensor Initialization start (Yes (True) / No (False))
Lateral Acceleration Value #2 (m/s^2)
Lateral Acceleration Value (Counts)
Lateral Accelerometer #2 (G's)
Lateral Accelerometer (G's)
Lateral Accelerometer Input Open Circuit (Yes (True) / No (False))
Lateral Accelerometer Input Short to Battery (Yes (True) / No (False))
Lateral Accelerometer Input Short to Ground (Yes (True) / No (False))
LCD Illumination Level (%)
Leakage Circuit Failure (Yes (True) / No (False))
Leakage Resistance (Bus -)(Ohms)
Leakage Resistance (Bus +)(Ohms)
Learn (Active / Inactive)
Learn (Active / Inactive)
Learn (Active / Inactive)
Learn (Active / Inactive)
Learn (Active / Inactive)
Learn Fast Axle Wheel Torque Between 0-50 (Yes (True) / No (False))
Learn Fast Axle Wheel Torque Between 100-150 (Yes (True) / No (False))
Learn Fast Axle Wheel Torque Between 150-200 (Yes (True) / No (False))
Learn Fast Axle Wheel Torque Between 50-100 (Yes (True) / No (False))
Learn Status 1 between 100-130 Kph (Yes (True) / No (False))
Learn Status 1 between 130-160 Kph (Yes (True) / No (False))
Learn Status 1 between 15-70 Kph (Yes (True) / No (False))
Learn Status 1 between 160-190 Kph (Yes (True) / No (False))
Learn Status 1 between 190-220 Kph (Yes (True) / No (False))
Learn Status 1 between 220-250 Kph (Yes (True) / No (False))
Learn Status 1 between 70-100 Kph (Yes (True) / No (False))
Learn Status 2 between 100-130 Kph (Yes (True) / No (False))
Learn Status 2 between 130-160 Kph (Yes (True) / No (False))
Learn Status 2 between 15-70 Kph (Yes (True) / No (False))
Learn Status 2 between 160-190 Kph (Yes (True) / No (False))
Learn Status 2 between 190-220 Kph (Yes (True) / No (False))
Learn Status 2 between 220-250 Kph (Yes (True) / No (False))
Learn Status 2 between 70-100 Kph (Yes (True) / No (False))
Learn Wheel Torque Between 0-50 (Yes (True) / No (False))
Learn Wheel Torque Between 100-150 (Yes (True) / No (False))

Learn Wheel Torque Between 150-200 (Yes (True) / No (False))
Learn Wheel Torque Between 200-250 (Yes (True) / No (False))
Learn Wheel Torque Between 250-300 (Yes (True) / No (False))
Learn Wheel Torque Between 50-100 (Yes (True) / No (False))
Learned throttle angle offset (trim)(°)
Learning Mode (On / Off)
LED High Side Driven (Yes (True) / No (False))
Left / Driver Seat Heater Output Status (/)
Left Blend Door Maximum Counts (Counts)
Left Blend Door Position (A/D counts)
Left Clutch (On / Off)
Left Corner/Aux Park Lamp FB (Active / Inactive)
Left curve learned complete between 100 and 250 kph (Yes (True) / No (False))
Left curve learned complete between 15 and 100 kph (Yes (True) / No (False))
Left curve learned half between 100 and 250 kph (Yes (True) / No (False))
Left curve learned half between 15 and 100 kph (Yes (True) / No (False))
Left Front Analog Height Sensor (mm)
Left Front Analog Height Sensor (mm)
Left Front Door Ajar (Yes (True) / No (False))
Left Front Latch Clutch Switch (Active / Inactive)
Left Front Lock Button (Active / Inactive)
Left Front Speaker (Enable(d) / Disable(d))
Left Front Speaker Circuit Open (Fault / No Fault)
Left Front Speaker Circuit Short to Battery (Fault / No Fault)
Left Front Speaker Circuit Short to Ground (Fault / No Fault)
Left Front Speaker Circuit Shorted (Fault / No Fault)
Left Front Tire Motion Status (Active / Inactive)
Left Front Tire Pressure Resolution (High / Low)
Left Front Tire Sensor Battery Status (Low Range / Normal Range)
Left Front Tire Sensor Reception Count (Counts)
Left Front Traction Control Priming Valve Output State (On / Off)
Left Front Traction Control Switching Valve Output State (On / Off)
Left Front Turn Lamp FB (Active / Inactive)
Left Front Turn Signal Driver Open Circuit (Yes (True) / No (False))
Left Front Turn Signal Driver Output State (On / Off)
Left Front Turn Signal Driver Short to Battery (Yes (True) / No (False))
Left Front Turn Signal Driver Short to Ground (Yes (True) / No (False))
Left Front Tweeter Circuit Open (Fault / No Fault)
Left Front Tweeter Circuit Short to Battery (Fault / No Fault)
Left Front Tweeter Circuit Short to Ground (Fault / No Fault)
Left Front Tweeter Circuit Shorted (Fault / No Fault)
Left Front Unlock Pull Switch (Active / Inactive)
Left Front Wheel Speed Sensor Input (KPH)
Left Front Wheel Speed Sensor Input (MPH)
Left hand air outlet temperature (°C)
Left Headlamp Current (A)
Left Headlamp Stepper Motor Software Position
Left Heated Seat Icon (On / Off)
Left High Beam Lamp Driver Open Circuit (Yes (True) / No (False))
Left High Beam Lamp Driver Output State (On / Off)
Left High Beam Lamp Driver Short to Battery (Yes (True) / No (False))

Left High Beam Lamp Driver Short to Ground (Yes (True) / No (False))
Left latch release (On / Off)
Left Low Beam Lamp Driver Open Circuit (Yes (True) / No (False))
Left Low Beam Lamp Driver Output State (On / Off)
Left Low Beam Lamp Driver Short to Battery (Yes (True) / No (False))
Left Low Beam Lamp Driver Short to Ground (Yes (True) / No (False))
Left Marker Lamp Driver Open Circuit (Yes (True) / No (False))
Left Marker Lamp Driver Output State (On / Off)
Left Marker Lamp Driver Short to Battery (Yes (True) / No (False))
Left Marker Lamp Driver Short to Ground (Yes (True) / No (False))
Left Marker Lamp FB (Active / Inactive)
Left Mirror Turn Signal FB (Active / Inactive)
Left Park Lamp FB (Active / Inactive)
Left Pinch Strip - fault condition (Active / Inactive)
Left Pinch Strip - pinch condition (Active / Inactive)
Left PSD Open Close Switch (Active / Inactive)
Left Rear / Sliding Door Ajar (Yes (True) / No (False))
Left Rear Analog Height Sensor (mm)
Left Rear Analog Height Sensor (mm)
Left Rear Back Up Lamp (Energize / De-energize)
Left Rear Brake Lamp Driver Open Circuit (Yes (True) / No (False))
Left Rear Brake Lamp Driver Short to Battery (Yes (True) / No (False))
Left Rear Brake Lamp Driver Short to Ground (Yes (True) / No (False))
Left Rear Door Cylinder Punch-out (Yes (True) / No (False))
Left Rear Door Cylinder Switch (Active / Inactive)
Left Rear Door Handle Activated (Yes (True) / No (False))
Left Rear Door Unlock Disarm Switch (Active / Inactive)
Left Rear Down Activated (Yes (True) / No (False))
Left Rear Inner Tire Motion Status (Active / Inactive)
Left Rear Inner Tire Pressure Resolution (High / Low)
Left Rear Inner Tire Sensor Battery Status (Low Range / Normal Range)
Left Rear Latch Clutch Switch (Active / Inactive)
Left Rear Lock Activated (Yes (True) / No (False))
Left Rear Lock Activated (Yes (True) / No (False))
Left Rear Lock/Unlock (Yes (True) / No (False))
Left Rear Puddle lamp Circuit Failure. (Yes (True) / No (False))
Left Rear Puddle lamp Open Circuit. (Yes (True) / No (False))
Left Rear Puddle lamp Short to Battery. (Yes (True) / No (False))
Left Rear Puddle lamp Short to Ground. (Yes (True) / No (False))
Left Rear Seat Belt Fastened (Yes (True) / No (False))
Left Rear Seat Front Vertical Position (% full up)
Left Rear Seat Headrest Position (% full up)
Left Rear Seat Lumbar Position (% full out)
Left Rear Seat Occupied (Yes (True) / No (False))
Left Rear Seat Rear Vertical Position (% full up)
Left Rear Seat Recline Position (% full forward)
Left Rear Speaker (Enable(d) / Disable(d))
Left Rear Speaker Circuit Open (Fault / No Fault)
Left Rear Speaker Circuit Short to Battery (Fault / No Fault)
Left Rear Speaker Circuit Short to Ground (Fault / No Fault)
Left Rear Speaker Circuit Shorted (Fault / No Fault)

Left Rear Stop Lamp (On / Off)
Left Rear Tire Motion Status (Active / Inactive)
Left Rear Tire Pressure Resolution (High / Low)
Left Rear Tire Sensor Battery Status (Low Range / Normal Range)
Left Rear Tire Sensor Reception Count (Counts)
Left Rear Traction Control Priming Valve Output State (On / Off)
Left Rear Traction Control Switching Valve Output State (On / Off)
Left Rear Turn / Stop Driver Open Circuit (Yes (True) / No (False))
Left Rear Turn / Stop Driver Output State (On / Off)
Left Rear Turn / Stop Driver Short to Battery (Yes (True) / No (False))
Left Rear Turn / Stop Driver Short to Ground (Yes (True) / No (False))
Left Rear Tweeter Circuit Open (Fault / No Fault)
Left Rear Tweeter Circuit Short to Battery (Fault / No Fault)
Left Rear Tweeter Circuit Short to Ground (Fault / No Fault)
Left Rear Tweeter Circuit Shorted (Fault / No Fault)
Left Rear Unlock Activated (Yes (True) / No (False))
Left Rear Unlock Activated (Yes (True) / No (False))
Left Rear Unlock Pull Switch (Active / Inactive)
Left Rear Up Activated (Yes (True) / No (False))
Left Rear Up/Down (Yes (True) / No (False))
Left Rear Wheel Speed Sensor Input (KPH)
Left Rear Wheel Speed Sensor Input (MPH)
Left Rear Window Down (Yes (True) / No (False))
Left Rear Window Sensor Switch (Active / Inactive)
Left Rr Park Lamp/Stop Turn Lamp 2 FB (Active / Inactive)
Left Rr Stop Turn Lamp 1 FB (Active / Inactive)
Left Running Board Motor Current (A)
Left Running Board Motor Current (A)
Left Running Board Position (Hall Counts)(Counts)
Left Tail Lamp Driver Open Circuit (Yes (True) / No (False))
Left Tail Lamp Driver Output State (On / Off)
Left Tail Lamp Driver Short to Battery (Yes (True) / No (False))
Left Tail Lamp Driver Short to Ground (Yes (True) / No (False))
Left Temp Dn (Yes (True) / No (False))
Left Temp Up (Yes (True) / No (False))
Left Tonneau Cover Close Relay (On / Off)
Left Tonneau Cover Drive Motor Driver (On / Off)
Left Tonneau Cover Open Relay (On / Off)
Left Turn Right Turn Hazard Indicator (Active / Inactive)
Left Turn Right Turn Hazard Indicator (Enable(d) / Disable(d))
Left Turn Signal (Active / Inactive)
Left Turn Signal Indicator (Enable(d) / Disable(d))
Left Turn Signal Output Open Circuit (Yes (True) / No (False))
Left Turn Signal Output Short to Vbatt (Yes (True) / No (False))
Left Turn Switch (Active / Inactive)
Left-rear microphone indicator (LED)output status (On / Off)
Left-Rear microphone passthrough status (Active / Inactive)
Level of liquid in the additive tank is at empty (Yes (True) / No (False))
Level of liquid in the additive tank is at full (Yes (True) / No (False))
Level of liquid in the additive tank is at minimum (Yes (True) / No (False))
Leveling Adjust Voltage (V)

Levelling in progress (Yes (True) / No (False))
LF ABS Inlet Valve Open Circuit (Yes (True) / No (False))
LF ABS Inlet Valve Output State (Enable(d) / Disable(d))
LF ABS Inlet Valve Short to Battery (Yes (True) / No (False))
LF ABS Inlet Valve Short to Ground (Yes (True) / No (False))
LF ABS Outlet Valve Open Circuit (Yes (True) / No (False))
LF ABS Outlet Valve Output State (Enable(d) / Disable(d))
LF ABS Outlet Valve Short to Battery (Yes (True) / No (False))
LF ABS Outlet Valve Short to Ground (Yes (True) / No (False))
LF Damper Connected (Yes (True) / No (False))
LF Door Circuit Open (Fault / No Fault)
LF Door Circuit Shorted (Fault / No Fault)
LF Door Lock Status (Lock(ed) / Unlock(ed))
LF Door Short to Battery (Fault / No Fault)
LF Door Short to Ground (Fault / No Fault)
LF Sail Circuit Open (Fault / No Fault)
LF Sail Circuit Open (Fault / No Fault)
LF Sail Circuit Short (Fault / No Fault)
LF Sail Circuit Short to Battery (Fault / No Fault)
LF Sail Circuit Short to Ground (Fault / No Fault)
LF Sail Circuit Shorted (Fault / No Fault)
LF Sail Speaker Circuit Short to Battery (Fault / No Fault)
LF Sail Speaker Circuit Short to Ground (Fault / No Fault)
LF Shock Encoder (Firm / Soft)
LF Tweeter Circuit Open (Fault / No Fault)
LF Tweeter Circuit Open (Fault / No Fault)
LF Tweeter Circuit Short (Fault / No Fault)
LF Tweeter Circuit Short to Battery (Fault / No Fault)
LF Tweeter Circuit Short to Ground (Fault / No Fault)
LF Tweeter Circuit Shorted (Fault / No Fault)
LF Tweeter Short to Battery (Fault / No Fault)
LF Tweeter Short to Ground (Fault / No Fault)
LH air bypass servo target value (%)
LH Air Intake Servo Feed back Circuit Failure (Fault / No Fault)
LH Air Intake Servo Feed back Short to Ground (Fault / No Fault)
LH Air Intake Servo Motor - Drive Fault (Fault / No Fault)
LH airmix target value (%)
LH airmix pot feedback (%)
LH Cool air bypass pot feedback (%)
LH mode pot feedback (%)
LH mode target value (%)
LH Rear Seat Front Down Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Front Up Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Front Vertical Motor Memory Position Out Of Range (Fault / No Fault)
LH Rear Seat Front Vertical Motor Out Of Range (Fault / No Fault)
LH Rear Seat Headrest Down Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Headrest Height Motor Memory Position Out Of Range (Fault / No Fault)
LH Rear Seat Headrest Height Motor Out Of Range (Fault / No Fault)
LH Rear Seat Headrest Up Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Lumbar Extend Motor Memory Position Out Of Range (Fault / No Fault)
LH Rear Seat Lumbar Extend Motor Out Of Range (Fault / No Fault)

LH Rear Seat Lumbar Extend Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Lumbar Retract Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Rear Down Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Rear Up Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Rear Vertical Motor Memory Position Out Of Range (Fault / No Fault)
LH Rear Seat Rear Vertical Motor Out Of Range (Fault / No Fault)
LH Rear Seat Recline Forward Switch S/C to Vbatt (Fault / No Fault)
LH Rear Seat Recline Motor Memory Position Out Of Range (Fault / No Fault)
LH Rear Seat Recline Motor Out Of Range (Fault / No Fault)
LH Rear Seat Recline Rearward Switch S/C to Vbatt (Fault / No Fault)
LH Servo Feed back circuit failure (Fault / No Fault)
LH Servo Feed back Short to Ground (Fault / No Fault)
LH Servo Motor - Drive Fault (Fault / No Fault)
LH Side Power Running Board Deploy - Left Output to Deploy State (On / Off)
LH Side Power Running Board Deploy (On / Off)
LH Side Power Running Board Stow - Left Output to Stow State (On / Off)
LH Side Power Running Board Stow (On / Off)
LH Temperature down (Active / Inactive)
LH Temperature up (Active / Inactive)
License Lamp (Energize / De-energize)
License Lamp FB (Active / Inactive)
'LIFE' Display Segment (Enable(d) / Disable(d))
Liftgate / Trunk Module (LTM)\$AF (Yes (True) / No (False))
Liftgate Ajar (Yes (True) / No (False))
Liftgate Glass State (Open / Closed)
Liftgate Glass Switch (Active / Inactive)
Liftgate Open Close Switch (Active / Inactive)
Liftgate Position Sensor "A" (Active / Inactive)
Liftgate Position Sensor "B" (Active / Inactive)
Liftgate Release Circuit (Open / Close(d))
Liftgate State (Open / Closed)
Liftglass Release Circuit (Open / Close(d))
Lights On (Active / Inactive)
Limp home mode for Forward/Reverse clutch (Active / Inactive)
Line Pressure Control (kPa)
Line Pressure Solenoid (A)
Linear Knock Sensor Diagnostic Parameter (for first Knock Sensor if there are more than one sensor)(V)
Linear Knock Sensor Diagnostic Parameter for second Knock Sensor (V)
Liquid Petroleum / Petrol Mode (LP / Petrol)
Load (Active / Inactive)
LOAD (aircharge normalized to sea level) . This PID has more range than PID 115A.
Load Shedding Driver Open Circuit (Yes (True) / No (False))
Load Shedding Driver Output Status (On / Off)
Load Shedding Driver Short to Battery (Yes (True) / No (False))
Load Shedding Driver Short to Ground (Yes (True) / No (False))
Load Switch pressed (On / Off)
Load/Eject (Yes (True) / No (False))
LOAD_ABS: Absolute Load Value. See Annex B of ISO 15031-5 for full specification. (%)
Lock (Active / Inactive)
Lock (Active / Inactive)

Lock / Unlock Central Lock - Rear Node (Lock(ed) / Unlock(ed))
Lock / Unlock Central Lock (Lock(ed) / Unlock(ed))
Lock / Unlock Double Lock - Rear Node (Lock(ed) / Unlock(ed))
Lock / Unlock Double Lock (Lock(ed) / Unlock(ed))
Lock All Doors Rly FB (Active / Inactive)
Lock blower rotor (Lock(ed) / Unlock(ed))
Lock SW (On / Off)
Locked in Park is indicated by the input from "in-park" switch on shifter. (Yes (True) / No (False))
Lockout Switch (Active / Inactive)
Lock-to-Lock Complete (Yes (True) / No (False))
Long chime (Active / Inactive)
Long Term Fuel Trim - Bank 1 (% enrichment)
Long Term Fuel Trim - Bank 2 (% enrichment)
Longitude Accelerometer Input Open Circuit (Yes (True) / No (False))
Longitude Accelerometer Input Short to Battery (Yes (True) / No (False))
Longitude Accelerometer Input Short to Ground (Yes (True) / No (False))
Longitudinal Acceleration (m/s²)
Longitudinal Acceleration Sensor Init Start(G Sensor)(Yes (True) / No (False))
Longitudinal Acceleration Sensor Input
Longitudinal Acceleration Sensor Input (m/s²)
Longitudinal Acceleration Value (m/s²)
LOS (Limited Operating Strategy)related to 12 Volt Battery (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Electric Motor (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Engine (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Engine No Start (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to E-Quizzer (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to ETC (Electronic Throttle Control)(Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Generator (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to High Voltage Battery (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to IPC (Independent Plausibility Checker)(Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Key Position (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to OWC (One Way Clutch)(Yes (True) / No (False))
LOS (Limited Operating Strategy)related to Regenerative Braking System (Yes (True) / No (False))
LOS (Limited Operating Strategy)related to TCM (Transmission Control Module)(Yes (True) / No (False))
Lost Communication with ECM/PCM (Fault / No Fault)
Lost Communication with TCM (Fault / No Fault)
Loudness Switch pressed (On / Off)
Low (Active / Inactive)
Low Air Brake Pressure Switch (Active / Inactive)
Low Battery (Active / Inactive)
Low Battery (Active / Inactive)
Low Battery (Active / Inactive)
Low Battery (Active / Inactive)
Low Battery (Active / Inactive)
Low Battery (Active / Inactive)
Low Beam (On / Off)
Low Beam Headlight Switch Voltage (mV)
Low Beam On (Active / Inactive)

Low Coolant (Active / Inactive)
Low Engine Oil Pressure Warning (Active / Inactive)
Low Fuel Level (Yes (True) / No (False))
Low fuel level in cold start fuel reservoir (Yes (True) / No (False))
Low Fuel Level Indicator Input Voltage Level (High / Low)
Low Fuel Level Indicator Output Status (On / Off)
Low Fuel Telltale (Energize / De-energize)
Low Fuel Warning (Active / Inactive)
Low Level Current Leakage During Charge Fault (Yes (True) / No (False))
Low Oil Pressure Sender (Ohms)
Low Power Water Heater Feedback (Enable(d) / Disable(d))
Low Pressure Feedback Primary State (Active / Inactive)
Low Pressure Feedback Secondary State (Active / Inactive)
Low Pressure Feedback Valve Primary Output State (Active / Inactive)
Low Pressure Feedback Valve Secondary Output State (Active / Inactive)
Low SLI HVEC Shutdown (Yes (True) / No (False))
Low Speed Fan (On / Off)
Low Speed Fan Fault Detected (Yes (True) / No (False))
Low Speed Fan Primary Circuit Monitor High (Yes (True) / No (False))
Low Speed Fuel Pump Output Fault Detected (Yes (True) / No (False))
Low to High PIP Transition (Yes (True) / No (False))
Low Tone (On / Off)
Low voltage threshold (V)
Low Washer Fluid (Active / Inactive)
Low Washer Fluid Warning (Active / Inactive)
Lowest Filtered TP (A/D counts)
LR ABS Inlet Valve Open Circuit (Yes (True) / No (False))
LR ABS Inlet Valve Output State (Enable(d) / Disable(d))
LR ABS Inlet Valve Short to Battery (Yes (True) / No (False))
LR ABS Inlet Valve Short to Ground (Yes (True) / No (False))
LR ABS Outlet Valve Open Circuit (Yes (True) / No (False))
LR ABS Outlet Valve Output State (Enable(d) / Disable(d))
LR ABS Outlet Valve Short to Battery (Yes (True) / No (False))
LR ABS Outlet Valve Short to Ground (Yes (True) / No (False))
LR Damper Connected (Yes (True) / No (False))
LR Door Lock Status (Lock(ed) / Unlock(ed))
LR Door Speaker Circuit Open (Fault / No Fault)
LR Door Speaker Circuit Open (Fault / No Fault)
LR Door Speaker Circuit Open (Fault / No Fault)
LR Door Speaker Circuit Short (Fault / No Fault)
LR Door Speaker Circuit Short (Fault / No Fault)
LR Door Speaker Circuit Short to Battery (Fault / No Fault)
LR Door Speaker Circuit Short to Battery (Fault / No Fault)
LR Door Speaker Circuit Short to Battery (Fault / No Fault)
LR Door Speaker Circuit Short to Ground (Fault / No Fault)
LR Door Speaker Circuit Short to Ground (Fault / No Fault)
LR Door Speaker Circuit Short to Ground (Fault / No Fault)
LR Door Speaker Circuit Shorted (Fault / No Fault)
LR Shock Encoder (Firm / Soft)
LR Sub Circuit Open (Fault / No Fault)
LR Sub Circuit Open (Fault / No Fault)

LR Sub Circuit Short (Fault / No Fault)
LR Sub Circuit Short to Battery (Fault / No Fault)
LR Sub Circuit Short to Battery (Fault / No Fault)
LR Sub Circuit Short to Ground (Fault / No Fault)
LR Sub Circuit Short to Ground (Fault / No Fault)
LR Sub Circuit Shorted (Fault / No Fault)
LTM (Liftgate / Trunk Module)(Yes (True) / No (False)
LTM (Liftgate/Trunk Module)(Yes (True) / No (False)
Lumbar Extend Switch (Active / Inactive)
Lumbar Extend Switch (Active / Inactive)
Lumbar Extend Switch (Active / Inactive)
Lumbar Position Sensor Present (Yes (True) / No (False)
Lumbar Position Sensor Present (Yes (True) / No (False)
Lumbar Retract Switch (Active / Inactive)
Lumbar Retract Switch (Active / Inactive)
Lumbar Retract Switch (Active / Inactive)
'm' Display Segment (Enable(d) / Disable(d)
Magnetic Valve (On / Off)
Main Blower Status (Enable(d) / Disable(d)
Main Sensor Voltage (V)
Main Switch (Active / Inactive)
Maintenance Day Counter Status (Days)
Malfunction Indicator Lamp (MIL)(Active / Inactive)
Manifold Absolute Pressure (kPa)
Manifold Absolute Pressure inferred (kPa)
Manifold Absolute Pressure raw signal (A/D counts)
Manifold Absolute Pressure Sensor voltage (V)
Manifold Intake Air Heater (MIAH)Commanded State (On / Off)
Manifold Intake Air Heater (MIAH)Output Fault Detected (Yes (True) / No (False)
Manifold Intake Air Heater (MIAH)Secondary Monitor Input Voltage Level (High / Low)
Manual (On / Off)
Manual Activation Switch Activated (Yes (True) / No (False)
Manual Leveling Switch Zero Position Voltage (V)
Manual Trailer Brake Slider Apply Travel (% travel)
MAP (Active / Inactive)
Mask bit for Byte 3, bit 0 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 1 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 2 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 3 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 4 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 5 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 6 (Enable(d) / Disable(d)
Mask bit for Byte 3, bit 7 (Enable(d) / Disable(d)
Mask bit for Byte 4, bit 2 (Enable(d) / Disable(d)
Mask bit for Byte 4, bit 3 (Enable(d) / Disable(d)
Mass Air Flow Sensor raw signal (Counts)
Mass Air Flow Sensor voltage (V)
Mass Air Flow signal frequency (Hz)
Mass Fuel Desired, in milligrams per stroke, at time of J1979 Mode \$02 freeze frame.
(mg/stroke)
Mass of additive added since last filling (mg)

Master Cylinder Pressure (MPaA (Absolute))
Master Cylinder Pressure (V)
Master Cylinder Pressure Normalized (%)
Master Door Trigger Disable Mode (Enable(d) / Disable(d))
Master Key Flag (Active / Inactive)
Master Key Present (Yes (True) / No (False))
Maximum A/C (On / Off)
Maximum A/C Power (Watts)
Maximum Battery Module Temperature (°C)
Maximum Charge Power Limit (Watts)
Maximum Charging Power (Watts)
Maximum Clutch Torque Position (mm)
Maximum Intermittent ECT Fault Filter Value (Counts)
Maximum Intermittent HEGO - B1S1 Fault Filter Value (Counts)
Maximum Intermittent HEGO - B1S2 Fault Filter Value (Counts)
Maximum Intermittent HEGO - B2S1 Fault Filter Value (Counts)
Maximum Intermittent HEGO - B2S2 Fault Filter Value (Counts)
Maximum Intermittent IAT Fault Filter Value (Counts)
Maximum Intermittent MAF Fault Filter Value (Counts)
Maximum Intermittent TP Fault Filter Value (Counts)
Maximum Intermittent VSS Fault Filter Value (Counts)
Maximum Limit of Engine Torque During Gear Shift Requested by TCM (% Torque Reduction)
Maximum Limit of Engine Torque Requested by TCM (NM Torque)
Maximum Power at Battery Discharge (Watts)
Maximum Supply Voltage to switch the Headrest-Motor off (V)
Maximum Supply Voltage to switch the Headrest-Motor on (V)
Maximum Torque reduction in Park/Neutral (Active / Inactive)
Mean Body Acceleration Out of Range (Yes (True) / No (False))
Measured (electric)Motor Torque (NM Torque)
Measured Air Fuel Ratio at Lambda =1, used to determine percent alcohol in fuel. (mass air/fuel)
Measured Current for Shift Solenoid F (SS-F). See PID 195B for commanded current. (A)
Measured Current for the Pressure Control A (PC-A). See PID 090B for the commanded current. (A)
Measured Current for the Torque Converter Control (TCC). See PID 09CA for the commanded current. (A)
Measured Generator Torque (NM Torque)
Measured Spark Duration for Cylinder Number 1 (ms)
Measured Spark Duration for Cylinder Number 10 (ms)
Measured Spark Duration for Cylinder Number 2 (ms)
Measured Spark Duration for Cylinder Number 3 (ms)
Measured Spark Duration for Cylinder Number 4 (ms)
Measured Spark Duration for Cylinder Number 5 (ms)
Measured Spark Duration for Cylinder Number 6 (ms)
Measured Spark Duration for Cylinder Number 7 (ms)
Measured Spark Duration for Cylinder Number 8 (ms)
Measured Spark Duration for Cylinder Number 9 (ms)
Measured Variator Ratio (input speed/output speed) . See PID 1953 for commanded variator ratio. (CVT)
Measured voltage of the Generator Command (GENCOM)output circuit (V)
Measurement Time Unit (MTU)(ms)
Mechanical block of the clutch closed position (mm)

Mechanical block of the clutch open position. (mm)
Mechanical Key Code
Media (Active / Inactive)
Medium Speed Fan (MSF)Commanded ON (Yes (True) / No (False)
Medium Speed Fan (MSF)Output Fault Detected (Yes (True) / No (False)
Memory Door Lock Driver Open Circuit (Yes (True) / No (False)
Memory Door Lock Driver Output State (On / Off)
Memory Door Lock Driver Short to Battery (Yes (True) / No (False)
Memory Door Lock Driver Short to Ground (Yes (True) / No (False)
Memory Fault (Yes (True) / No (False)
Memory Fault (Yes (True) / No (False)
Memory LED Driver Open Circuit (Yes (True) / No (False)
Memory LED Driver Open Circuit (Yes (True) / No (False)
Memory LED Driver Output State (Enable(d) / Disable(d)
Memory LED Driver Output State (Enable(d) / Disable(d)
Memory LED Driver Short to Battery (Yes (True) / No (False)
Memory LED Driver Short to Battery (Yes (True) / No (False)
Memory LED Driver Short to Ground (Yes (True) / No (False)
Memory LED Driver Short to Ground (Yes (True) / No (False)
Memory Mirror Count (Counts)
Memory Off Switch (Active / Inactive)
Memory Recall Indicator LED (Enabled(d) / Disable(d)
Memory Set / Recall 1 Switch (Active / Inactive)
Memory Set / Recall 2 Switch (Active / Inactive)
Memory Set / Recall 3 Switch (Active / Inactive)
Memory Set Switch (Active / Inactive)
Memory Switch (Active / Inactive)
Memory Switch Backlighting (Enable(d) / Disable(d)
Menu - (Active / Inactive)
Menu (Active / Inactive)
Menu (Yes (True) / No (False)
Menu + (Active / Inactive)
Menu Button (Active / Inactive)
MENU Button Pressed (Active / Inactive)
Menu Switch (Active / Inactive)
Menu Switch (Active / Inactive)
Message Center Display Status (km)
Message Center Display Status (km/h)
Message Center Switch Chime (Enable(d) / Disable(d)
Message Center Warning Chime (Active / Inactive)
Message Center Warning Chime (Enable(d) / Disable(d)
Metric (On / Off)
Microcontroller Internal Fault (Yes (True) / No (False)
Microcontroller Internal Fault (Yes (True) / No (False)
Microphone Signal Strength (% full power)
MIL Lamp Output Fault Detected (Yes (True) / No (False)
MIL Light Status (On / Off)
MIL Software Status (Enable(d) / Disable(d)
MIL_TIME: Minutes run by the engine while MIL activated. See Annex B of ISO 15031-5 for full specif (Minutes)
'miles' (Enable(d) / Disable(d)

Minidisc Deck (Yes (True) / No (False))
Minimum Battery Module Temperature (°C)
Minimum Supply Voltage to switch the Headrest-Motor off (V)
Minimum Supply Voltage to switch the Headrest-Motor on (V)
Minutes in Drive Mode (Counts)
Minutes in Non-Drive Mode (Counts)
Mirror Down Switch (Active / Inactive)
Mirror Left Switch (Active / Inactive)
Mirror Puddle Lamps Out FB (Active / Inactive)
Mirror Right Switch (Active / Inactive)
Mirror Select Driver (False) / Passenger (True)(Yes (True) / No (False))
Mirror Select Driver (Yes (True) / No (False))
Mirror Sensor Feed (Energize / De-energize)
Mirror Up Switch (Active / Inactive)
Misfire Faults Monitored Once Since Power Up (Yes (True) / No (False))
Misfire Faults Monitored since Power-up (Yes (True) / No (False))
Mix Switch (Active / Inactive)
MLPS Park Signal (Active / Inactive)
Mode (Active / Inactive)
Mode (On / Off)
'Mode A' (Enable(d) / Disable(d))
'Mode B' (Enable(d) / Disable(d))
Mode Button (ESW) typically used for an Economy mode button, a Sport mode button, or a Winter mode button (On / Off)
Mode button is pushed. (Yes (True) / No (False))
Mode Door Feedback Value (%)
Mode Door Target Value (%)
Mode DOWN (On / Off)
Mode knob position (Counts)
Mode Switch (Active / Inactive)
Mode Switch (Active / Inactive)
Mode switch / MTR Pos return (On / Off)
Mode switch / MTR Pos return open circuit (Yes (True) / No (False))
Mode switch / MTR Pos return short to battery (Yes (True) / No (False))
Mode switch / MTR Pos return short to ground (Yes (True) / No (False))
Mode UP (On / Off)
Module Configuration Status (Not Configured / Configured)
Module is in Firm due to Brake or Decel Rate (Yes (True) / No (False))
Module is in Firm due to External Request (Yes (True) / No (False))
Module is in Firm due to Steering Position (Yes (True) / No (False))
Module is in Firm due to Steering Rate (Yes (True) / No (False))
Module is in Firm due to Vehicle Speed (Yes (True) / No (False))
Module is requesting the activation of a transmission malfunction display/light (over the data link)(Yes (True) / No (False))
Module Power Sustain Relay commanded state (On / Off)
Module Requesting Firm (Yes (True) / No (False))
Module Reset Counter (Counts)
Module Reset Index (Counts)
Module Specific (--- / x)
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Module Specific (--- / x)

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Module Specific (--- / x)
Module Specific (--- / x)
Module Temperature (°C)
Module Voltage Out of Range High (Yes (True) / No (False))
Module Voltage Out of Range Low (Yes (True) / No (False))
Moonroof Ajar (Yes (True) / No (False))
Moonroof Closed Activated (Yes (True) / No (False))
Moonroof Cylinder Punch-out (Yes (True) / No (False))
Moonroof Cylinder Switch (Active / Inactive)
Moonroof Open Activated (Yes (True) / No (False))
Motor Applying (Yes (True) / No (False))
Motor Clutch Control (Yes (True) / No (False))
Motor Clutch Control Battery Short (Yes (True) / No (False))
Motor Clutch Control Ground Short (On / Off)
Motor Clutch Control Open Circuit (Yes (True) / No (False))
Motor Clutch Status (Active / Inactive)
Motor Inverter Voltage (V)
Motor Percent Applied (%)
Motor Releasing (Yes (True) / No (False))
Motor Temperature (°C)
Mounting Position (Yes (True) / No (False))
MSDN_E-Quizzer (electric Motor Shut Down due to E-Quizzer request)(Yes (True) / No (False))
MSDN_VSC_CAN (electric Motor Shut Down due to request from VSC (Vehicle System Controller)over CAN)(Yes (True) / No (False))

MSDN_VSC_HW (electric Motor Shut Down due to request from VSC (Veh Sys Cntrl) over Hard Wired input)(Yes (True) / No (False))
MSOF (Manual Shift On the Fly) Transfer Case hardware is present (Yes (True) / No (False))
Mute (Active / Inactive)
Mute (Active / Inactive)
Mute (Active / Inactive)
Mute Button (Active / Inactive)
NAV (Active / Inactive)
NAV (Yes (True) / No (False))
Navigation Button (Active / Inactive)
Navigation Error (Yes (True) / No (False))
Navigation Input Present Signal (Enable(d) / Disable(d))
Negative Main Bus Inhibit Contactor Input Fault (Yes (True) / No (False))
Negative Main Bus Inhibit Contactor Input Status (Enable(d) / Disable(d))
Negative Main Bus Inhibit Contactor Output Fault (Yes (True) / No (False))
Negative Main Bus Inhibit Contactor Output Status (Enable(d) / Disable(d))
Negative Temperature Coefficient Voltage (V)
Neutral (Active / Inactive)
Neutral (On / Off)
Neutral in Tow (Enable(d) / Disable(d))
Neutral in Tow Lamp Output Open Circuit (Yes (True) / No (False))
Neutral in Tow Lamp Output Short to Battery (Yes (True) / No (False))
Neutral in Tow Lamp Output Short to Ground (Yes (True) / No (False))
Neutral in Tow Lamp Output State (Enable(d) / Disable(d))
Neutral Lamp (On / Off)
Neutral Output (TRO-N) output fault detected (Yes (True) / No (False))
Neutral Safety Switch (Active / Inactive)
News Announcement Switch (Active / Inactive)
Next (Active / Inactive)
Night (True) / Day (False)(Yes (True) / No (False))
No manual mode (Active / Inactive)
No neutral idle functionality (Active / Inactive)
No TIC Out of Sync (Yes (True) / No (False))
Non-Message Center Low Fuel Chime (Active / Inactive)
Norm A/C (On / Off)
Normal (Active / Inactive)
Normal (Active / Inactive)
Normal (Active / Inactive)
Normal (Active / Inactive)
Normal (Active / Inactive)
Normal (Active / Inactive)
Normal Activation Mode (Yes (True) / No (False))
Not Substituted Raw Sensor Signal for Transm Input Shaft Speed or Torque Converter Turbine Speed (RPM)
Number of ABS events (Counts)
Number of Battery Modules in Pack (Counts)
Number of Completed OBDII Drive Cycles
Number of Completed OBDII Trips
Number of Continuous Trouble Codes Set
Number of ECU cold resets (Counts)
Number of Engine Cylinders (Cylinders)
Number of Fuel Adaptive conditions points reached during trip. (Counts)

Number of High Pressure Compressor Cut Outs (Counts)
Number of IVD events (Counts)
Number of Load Shedding Occurrences
Number Of Occurrences Of AWD Disablement Due To Tire Compensation (e.g., different tire sizes)(Counts)
Number of out of range periods detected on GENMON (alternator/generator monitor)input.
Number of Packets Decoded Since Last Transmission
Number of Programmed Keys is Below Minimum (Yes (True) / No (False))
Number Of Programmed Remote Keyless Entry Transmitters
Number of Programmed Transmitters (Counts)
Number of RF Data Events (Rolling Number)
Number of Satellites (Counts)
Number of TCS events (Counts)
Number of Times Control System Operated in High Temperature Mode (Counts)
Number of Transitions due to I/O Test (Transitions)
Number of trips since the time of misfire
Number of Trouble Codes Set due to Diagnostic Test
Number of VJD (Valve Jam Detection)Errors (Counts)
O2S11 has switched to Rich State, as recognized by the strategy.(So EOL can count switches)(Yes (True) / No (False))
O2S11 Heater commanded duty cycle (%)
O2S11 Heater current (A)
O2S11 voltage (signed)(V)
O2S11 voltage (V)
O2S11 voltage before correction (V)
O2S12 Heater current (A)
O2S12 voltage (V)
O2S12 voltage before correction (V)
O2S13 Heater (Bank 1 Stream 3 HEGO Heater)commanded state (On / Off)
O2S13 Heater (Bank 1 Stream 3 HEGO Heater)output fault detected (Yes (True) / No (False))
O2S13 Heater current (A)
O2S13 voltage before correction (V)
O2S21 has switched to Rich State, as recognized by the strategy.(So EOL can count switches)(Yes (True) / No (False))
O2S21 Heater commanded duty cycle (%)
O2S21 Heater current (A)
O2S21 voltage (signed)(V)
O2S21 voltage (V)
O2S21 voltage before correction (V)
O2S22 Heater current (A)
O2S22 voltage (V)
O2S22 voltage before correction (V)
O2S23 Heater (Bank 2 Stream 3 HEGO Heater)output fault detected (Yes (True) / No (False))
O2S23 Heater (Bank2 Stream 3 HEGO Heater)commanded state (On / Off)
O2S23 Heater current (A)
O2S23 voltage before correction (V)
Object Within Left Rail (Yes (True) / No (False))
Object Within Left Rail (Yes (True) / No (False))
Object Within Right Rail (Yes (True) / No (False))
Object Within Right Rail (Yes (True) / No (False))
Obstacle Detect Data (V)

Occupant Classification Open Circuit (Yes (True) / No (False))
Occupant Classification Sensor (OCS)(Yes (True) / No (False))
Occupant Classification Sensor (OCS)(Yes (True) / No (False))
Occupant Classification Short to Battery (Yes (True) / No (False))
Occupant Classification Short to Ground (Yes (True) / No (False))
Occupant Classification System Model Year Calibration ID (Years)
Occupant Position Sensor #1 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #1 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #2 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #2 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #3 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #3 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #4 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor #4 fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor calibration fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor calibration fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor communications fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor communications fault, front passenger (Yes (True) / No (False))
Occupant Position Sensor module fault, front passenger side (Yes (True) / No (False))
Occupant Position Sensor module fault, front passenger side (Yes (True) / No (False))
OCS Calibration fault, front passenger side (Yes (True) / No (False))
OCS Calibration fault, front passenger side (Yes (True) / No (False))
OCS CAN ID Mismatch (Yes (True) / No (False))
OCS CAN ID Mismatch (Yes (True) / No (False))
OCS Communication fault, front passenger side (Yes (True) / No (False))
OCS Communication fault, front passenger side (Yes (True) / No (False))
OCS measured Weight of Passenger (kg)
OCS Module fault, front passenger side (Yes (True) / No (False))
OCS Module fault, front passenger side (Yes (True) / No (False))
OCS Mounting fault, front passenger side (Yes (True) / No (False))
OCS Mounting fault, front passenger side (Yes (True) / No (False))
OCS Sensing element fault, front passenger side (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, Belt Tension Sensor (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, Belt Tension Sensor (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, LEFT (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, LEFT (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, RIGHT (Yes (True) / No (False))
OCS Sensing element fault, front passenger side, RIGHT (Yes (True) / No (False))
OCS/BTS External Sensor Circuit Fault (Yes (True) / No (False))
OCS/BTS External Sensor Circuit Fault (Yes (True) / No (False))
ODBII Trip Completed (Yes (True) / No (False))
Odometer Rolling Count - Metric (m)
Odometer Rolling Count (Miles)
OFF (Active / Inactive)
Off (On / Off)
Off (On / Off)
OFF (Yes (True) / No (False))
OFF Position (Yes (True) / No (False))
OFF/LOCK Position (Yes (True) / No (False))
OFF/UNLOCK Position (Yes (True) / No (False))
Offboard Charger Contactors Output Status (Enable(d) / Disable(d))

Oil degradation - 0 percent = no degradation (%)
Oil degradation strategy parameter - Typically, a strategy parameter chosen to provide more info.
'OIL' Display Segment (Enable(d) / Disable(d))
Oil Level Warning Lamp Driver Open Circuit (Yes (True) / No (False))
Oil Level Warning Lamp Driver Output State (On / Off)
Oil Level Warning Lamp Driver Short to Battery (Yes (True) / No (False))
Oil Level Warning Lamp Driver Short to Ground (Yes (True) / No (False))
Oil Pressure Gauge Pointer Placement (kPa)
Oil Pressure Gauge Pointer Position (OK / Low)
Oil Pressure Switch (On / Off)
Oil Pressure Switch Control (Counts)
Oil Pressure Switch Input Status (Active / Inactive)
Oil Pressure Switch Input Status (Yes (True) / No (False))
Oil Pressure Telltale (Energize / De-energize)
Oil Pump Control Output Status (On / Off)
Oil Service Reminder (Active / Inactive)
OK Button (Active / Inactive)
On Plug Detect Input (Yes (True) / No (False))
ON/OFF (Yes (True) / No (False))
Only BTCS Function Available (Yes (True) / No (False))
Open Loop Fuel Condition (Yes (True) / No (False))
Open Loop Fuel Due to Driving Conditions (Yes (True) / No (False))
Open Loop Fuel Due to FMEM (Yes (True) / No (False))
Open Loop term of Idle Air Control (IAC) , in percent of the full range of the controller (%)
Open Switch (Active / Inactive)
Open/Close Switch (Active / Inactive)
Operating in Pedal Position Sensor (PPS)failure mode (FMEM)(Yes (True) / No (False))
Operating voltage (V)
OPS CAN ID Mismatch (Yes (True) / No (False))
OPS CAN ID Mismatch (Yes (True) / No (False))
OPS Sensor #1 Blocked (Yes (True) / No (False))
OPS Sensor #2 Blocked (Yes (True) / No (False))
OPS Sensor #3 Blocked (Yes (True) / No (False))
OPS Sensor #4 Blocked (Yes (True) / No (False))
Optic Power (Yes (True) / No (False))
Optic Power Battery Short (Yes (True) / No (False))
Optic Power Ground Short (On / Off)
Optic Power Open Circuit (Yes (True) / No (False))
Optic Power Status (Active / Inactive)
OSC Sensing element fault, front passenger side (Yes (True) / No (False))
Other Running Board Lights Output Open Circuit (Yes (True) / No (False))
Other Running Board Lights Output Short to Battery (Yes (True) / No (False))
Other Running Board Lights Output Status (On / Off)
Other Running Board Lights Short to Ground (Yes (True) / No (False))
Out of Balance Battery Pack Fault (Yes (True) / No (False))
Outer Buzzer Status (On / Off)
Output Shaft Speed (RPM)
Output Shaft Speed 2 (OSS2) , actual sensor reading, before any FMEM substitution (RPM)
Outside Temperature (On / Off)
Outside Temperature (On / Off)
Over Drive (O/D)off (Active / Inactive)

Over Temperature Indicator Lamp Output State Monitor is High (Yes (True) / No (False))
Over Temperature Indicator Lamp Commanded On (Yes (True) / No (False))
Overdrive Gear Set Coast Clutch Failed OFF. (Yes (True) / No (False))
Overdrive Gear Set Coast Clutch Failed ON. (Yes (True) / No (False))
Overdrive Gear Set Mechanical Diode Number 1 failed OFF. (Yes (True) / No (False))
Overdrive Gear Set Overdrive Clutch Failed OFF. (Yes (True) / No (False))
Overdrive Gear Set Overdrive Clutch Failed ON. (Yes (True) / No (False))
Overhead Console, On/Off Switch (Active / Inactive)
Overhead Console, Open/Close Switch (Active / Inactive)
Overhead Lighting (Active / Inactive)
Overhead Lighting Current (A)
Overhead Lighting Out FB (Active / Inactive)
Overhead Lighting Return (Active / Inactive)
Overhead Lighting Rtn Out FB (Active / Inactive)
Overload Relay (On / Off)
Override Switch Input (Active / Inactive)
Oversensitized Mode (On / Off)
Overshoot RPM for PID 1931 (RPM)
Overspeed (Active / Inactive)
Overspeed Feature Status (Enable(d) / Disable(d))
Overspeed Warning Chime (Active / Inactive)
Overspeed Warning Chime (Enable(d) / Disable(d))
Overspeed Warning Chime Duration (s)
Overspeed warning speed decrease set switch (Active / Inactive)
Overspeed warning speed increase set switch (Active / Inactive)
Overspeed warning switch (Active / Inactive)
Oversteering Brake Intervention Events
Overtemp Lamp (On / Off)
Pack Voltage Measurement Error (Yes (True) / No (False))
PAM (Parking Aid Module)(Yes (True) / No (False))
PAM (Parking Aid Module)(Yes (True) / No (False))
Panel (On / Off)
Panel / Floor (On / Off)
Panel Backlight Dim Decrease Switch (Active / Inactive)
Panel Backlight Dim Increase Switch (Active / Inactive)
Panel Backlight State (High / Low)
Panel Dim Input Voltage (V)
Panel door actual position (%)
Panel Door Maximum Counts (Counts)
Panel Door Target Position (%)
Panel Intensity Analog Input (% full on)
Panel/Floor (On / Off)
Panic Alarm Inhibit (Enable(d) / Disable(d))
Panic Alarm Switch (Active / Inactive)
Parallel Combination of Bus Leakage Resistance (Ohms)
Park (Active / Inactive)
Park / Neutral (In / Out)
Park / Neutral (In / Out)
Park / Neutral (In / Out)
Park / Neutral Selected (Yes (True) / No (False))
Park Aid Malfunction Warning (Active / Inactive)

Park Brake (Active / Inactive)
Park Brake Actuator Assembly Applied (On / Off)
Park Brake Actuator Assembly Release (On / Off)
Park Brake Applied Relay (Energize / De-energize)
Park Brake Applied Warning Lamp (On / Off)
Park Brake Motor Current (A)
Park Brake Motor Relay (Energize / De-energize)
Park Brake ON Ground to DRL Module (On / Off)
Park Brake Release Driver Open Circuit (Yes (True) / No (False))
Park Brake Release Driver Output Status (On / Off)
Park Brake Release Driver Short to Battery (Yes (True) / No (False))
Park Brake Release Driver Short to Ground (Yes (True) / No (False))
Park Brake Retract Driver Open Circuit (Yes (True) / No (False))
Park Brake Retract Driver Output Status (On / Off)
Park Brake Retract Driver Short to Battery (Yes (True) / No (False))
Park Brake Retract Driver Short to Ground (Yes (True) / No (False))
Park Brake Sense Solenoid (On / Off)
Park Brake Switch (Active / Inactive)
Park Brake Warning Chime (Active / Inactive)
Park Brake Warning Chime (Enable(d) / Disable(d))
Park Detection Switch Status (Active / Inactive)
Park Lamp (On / Off)
Park Lamp Bulb Outage Detection (Yes (True) / No (False))
Park Lamp Flash Relay (Energize / De-energize)
Park Lamp Output (Energize / De-energize)
Park Lamp Output Open Circuit (Energize / De-energize)
Park Lamp Output Short to Ground (Energize / De-energize)
Park Lamp Output Short to Vbatt (Energize / De-energize)
Park Lamp Relay (Energize / De-energize)
Park Lamp Relay Coil Open Circuit (Yes (True) / No (False))
Park Lamp Relay Coil Short to Battery (Yes (True) / No (False))
Park Lamp Relay Coil Short to Ground (Yes (True) / No (False))
Park Lamps 1 Relay Circuit (Active / Inactive)
Park Lamps 2 Relay Circuit (Active / Inactive)
Park Lamps Switch (Active / Inactive)
Park Neutral Position raw signal (A/D counts)
Park Output (TRO-P)output fault detected (Yes (True) / No (False))
Park Signal (Active / Inactive)
Park Switch #1 Applied (On / Off)
Park Switch #1 Release (On / Off)
Park Switch #2 Applied (On / Off)
Park Switch #2 Release (On / Off)
Park/Ignition Signal (Active / Inactive)
Park/Neutral Status (in / out)
Parking Aid Disabled (Yes (True) / No (False))
Parking Aid Front Sensors (Active / Inactive)
Parking Aid Inhibited (Yes (True) / No (False))
Parking Aid Module (PAM)\$B2 (Yes (True) / No (False))
Parking Aid Rear Sensors (Active / Inactive)
Parking Aid Speed Threshold (Counts)
Parking Aid System (Active / Inactive)

Parking Brake (Applied / Not Applied)
Parking brake switch (Active / Inactive)
Parklamp On Circuit (Active / Inactive)
PAS Pressure Switch Status (Active / Inactive)
Pass Door Lock Switch (Active / Inactive)
Pass Door Unlock Switch (Active / Inactive)
Pass Seat Cool (On / Off)
Pass Seat Heat (On / Off)
Pass. Door Latch Clutch Switch (Active / Inactive)
Pass. Door Lock Switch (Active / Inactive)
Pass. Door Rear Latch (Active / Inactive)
Pass. Door Rear Lock Switch (Active / Inactive)
Pass. Door Rear Unlock Switch (Active / Inactive)
Pass. Door Unlock Switch (Active / Inactive)
Passenger Back Thermal Electric Device TED Temperature (°C)
Passenger Airbag Deactivation (I-PAD)Circuit Resistance (Ohms)
Passenger Airbag Deactivation Lamp (s)
Passenger Airbag Deployment Status (Active / Inactive)
Passenger Airbag Loop #2 Resistance (Ohms)
Passenger Airbag Resistance (Ohms)
Passenger Approach lamp Circuit Failure. (Yes (True) / No (False))
Passenger Approach lamp Open Circuit. (Yes (True) / No (False))
Passenger Approach lamp Short to Battery. (Yes (True) / No (False))
Passenger Approach lamp Short to Ground. (Yes (True) / No (False))
Passenger Beltminder Status (Active / Inactive)
Passenger Blend Door Actual Position (%)
Passenger Blend Door Feedback Value (%)
Passenger Blend Door Target Position (%)
Passenger Blend Door Target Value (%)
Passenger Buckle Resistance A/D Count (Ohms)
Passenger Buckle Switch Current Measurement (mA)
Passenger Buckle Switch State (Connect(ed) / Disconnect(ed))
Passenger Climate Control Water Valve (A/D Counts)(A/D counts)
Passenger Climate Controlled Seat Blower RPM (RPM)
Passenger Cushion Thermal Electric Device (TED)Temperature (°C)
Passenger Door Lock Latch Motor Feedback Status (Active / Inactive)
Passenger Door Lock Link Switch (Lock(ed) / Unlock(ed))
Passenger Door Request Switch (On / Off)
Passenger Door Unlock Latch Motor Feedback Status (Active / Inactive)
Passenger FCS Mismatch (Yes (True) / No (False))
Passenger FCS Mismatch (Yes (True) / No (False))
Passenger Front Crash Sensor Circuit Short to Battery (Yes (True) / No (False))
Passenger Front Crash Sensor Circuit Short to Battery (Yes (True) / No (False))
Passenger Front Crash Sensor Circuit Short to Ground (Yes (True) / No (False))
Passenger Front Crash Sensor Circuit Short to Ground (Yes (True) / No (False))
Passenger Front Crash Sensor Communication Fault (Yes (True) / No (False))
Passenger Front Crash Sensor Communication Fault (Yes (True) / No (False))
Passenger Front Crash Sensor Internal Fault (Yes (True) / No (False))
Passenger Front Crash Sensor Internal Fault (Yes (True) / No (False))
Passenger Front Crash Sensor Mount/Communication Fault (Yes (True) / No (False))
Passenger Front Crash Sensor Mount/Communication Fault (Yes (True) / No (False))

Passenger Mirror Down (Enable(d) / Disable(d))
Passenger Mirror Left (Enable(d) / Disable(d))
Passenger Mirror Position (A/D)(A/D counts)
Passenger Mirror Position Sensor (Left/Right)(kOhms)
Passenger Mirror Right (Enable(d) / Disable(d))
Passenger Mirror Up (Enable(d) / Disable(d))
Passenger Pretensioner Circuit Resistance (Counts)
Passenger Pretensioner Circuit Resistance (Ohms)
Passenger Puddle lamp Circuit Failure. (Yes (True) / No (False))
Passenger Puddle lamp Open Circuit. (Yes (True) / No (False))
Passenger Puddle lamp Short to Battery. (Yes (True) / No (False))
Passenger Puddle lamp Short to Ground. (Yes (True) / No (False))
Passenger Reset Switch (self configure)(On / Off)
Passenger Seat Sensor #1 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #1 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #1 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #1 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #1 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #1 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #1 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #1 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #2 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #2 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #2 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #2 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #2 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #2 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #2 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #2 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #3 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #3 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #3 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #3 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #3 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #3 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #3 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #3 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #4 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #4 Circuit Short to Battery (Yes (True) / No (False))
Passenger Seat Sensor #4 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #4 Circuit Short to Ground (Yes (True) / No (False))
Passenger Seat Sensor #4 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #4 Comm. Fault / Open (Yes (True) / No (False))
Passenger Seat Sensor #4 Internal Fault (Yes (True) / No (False))
Passenger Seat Sensor #4 Internal Fault (Yes (True) / No (False))
Passenger Seat Track Current Measurement (mA)
Passenger Seat Track Pos. Sw. State (Rearward / Forward)
Passenger Seatback Autoglide Forward Switch (Active / Inactive)
Passenger Seatback Autoglide Rearward Switch (Active / Inactive)
Passenger Set Switch (self configure)(On / Off)
Passenger Side Airbag Resistance (Counts)

Passenger Side Airbag Resistance (Ohms)
Passenger Side Airbag Resistance (Ohms)
Passenger Side Front Belt Fastened (Yes (True) / No (False))
Passenger Side Impact Air Bag Resistance (Counts)
Passenger Side Pretensioner Circuit Resistance (Ohms)
Passenger Side Rear Double Lock (Lock(ed) / Unlock(ed))
Passenger Side Turn Signal / Repeater Lamp (Energize / De-energize)
Passenger Temperature Decrement (On / Off)
Passenger Temperature Decrement (On / Off)
Passenger Temperature Increment (On / Off)
Passenger Temperature Increment (On / Off)
Passenger, RL, RR Door Unlock Relay (On / Off)
Passenger's Climate Controlled Seat Module (PCSM)\$9D (Yes (True) / No (False))
Passenger's Door (Open / Close(d))
Passenger's Door Ajar (Yes (True) / No (False))
Passenger's Door Cylinder Punch-out (Yes (True) / No (False))
Passenger's Door Cylinder Switch (Active / Inactive)
Passenger's Door Handle Activated (Yes (True) / No (False))
Passenger's Door Unlock Disarm Switch (Active / Inactive)
Passenger's Down Activated (Yes (True) / No (False))
Passenger's Lock Activated (Yes (True) / No (False))
Passenger's Lock Activated (Yes (True) / No (False))
Passenger's Lock/Unlock (Yes (True) / No (False))
Passenger's Mirror Horizontal Position Sensor Present (Yes (True) / No (False))
Passenger's Mirror Vertical Position Sensor Present (Yes (True) / No (False))
Passenger's Seat Occupied (Yes (True) / No (False))
Passengers Side Front Seat Belt Bucketed Switch (Connect(ed) / Disconnect(ed))
Passenger's Unlock Activated (Yes (True) / No (False))
Passenger's Unlock Activated (Yes (True) / No (False))
Passenger's Up Activated (Yes (True) / No (False))
Passenger's Up/Down (Yes (True) / No (False))
Passenger's Window Down (Yes (True) / No (False))
Passenger's Window Position Hall Sensor Input (Counts)
Passenger's Window Sensor Switch (Active / Inactive)
Passive Arming Delay Time (s)
Passive Entry Passive Start Warning (Active / Inactive)
Passive Trunk Lock switch (Active / Inactive)
PATS Key Serial Number
PATS LED input (Active / Inactive)
PATS Number of Ignition Key Codes Supported (Counts)
Pawl Switch Input (Active / Inactive)
PCM Acceleration Signal (Yes (True) / No (False))
PCM CAN Model Year ID Mismatch (Yes (True) / No (False))
PCM CAN Model Year ID Mismatch (Yes (True) / No (False))
PCM CAN Vehicle ID Mismatch (Yes (True) / No (False))
PCM CAN Vehicle ID Mismatch (Yes (True) / No (False))
PCM ID Status Stored (Yes (True) / No (False))
PCM Request Received (Yes (True) / No (False))
PCM Verify OK (Yes (True) / No (False))
Peak Warning Chime Volume (% Duty Cycle)
Pedal Forward Motor Output (Active / Inactive)

Pedal Position Forward Switch (Active / Inactive)
Pedal Position Forward Switch (Active / Inactive)
Pedal Position Forward Switch (Active / Inactive)
Pedal Position Rearward Switch (Active / Inactive)
Pedal Position Rearward Switch (Active / Inactive)
Pedal Position Rearward Switch (Active / Inactive)
Pedal Position Sensor Present (Yes (True) / No (False))
Pedal Rearward Motor Output (Active / Inactive)
Pedestrian Sensor ID Mismatch (Yes (True) / No (False))
Pedestrian Sensor ID Mismatch (Yes (True) / No (False))
Percent travel remaining on the clutch (%)
Performance Shift Indicator (Enable(d) / Disable(d))
Performance/Economy Switch (Economy / Performance)
Phone (Active / Inactive)
Phone (Yes (True) / No (False))
Phone Button (Active / Inactive)
Phone Connected to Portable Support Electronics (PSE)(Yes (True) / No (False))
Phone Mode Switch (Active / Inactive)
Phone Switch (Active / Inactive)
Phone Switch (Active / Inactive)
Phone transceiver active input status (Active / Inactive)
Phone Transceiver Active (PTA)Input (Active / Inactive)
Phone Transceiver Active (PTAP)Input State (Active / Inactive)
Phone Transceiver Active to Radio (PTAR)Output State (Active / Inactive)
PIP state is high (Yes (True) / No (False))
Pitch Strategy Requesting Firm (Yes (True) / No (False))
PK Present (Yes (True) / No (False))
Plant Mode (Active / Inactive)
Plate 'A' (Open / Close(d))
Plate 'B' (Open / Close(d))
Plate 'C' (Open / Close(d))
Plate 'D' (Open / Close(d))
Position Lights SW (On / Off)
Positive Crankcase Ventilation valve Heater Control (PCVHC/PCVHC-A)commanded duty cycle (% Duty Cycle)
Positive Crankcase Ventilation valve Heater Control B (PCVHC-B)commanded duty cycle (%)
Power (Active / Inactive)
Power Antenna in Motion (Yes (True) / No (False))
Power Driver Circuit Fault Detected (Yes (True) / No (False))
Power is provided to the noncontrolled side of one or more trans controls (used for FMEM shutdown)(Yes (True) / No (False))
Power Liftgate Handle Switch (On / Off)
Power Limit Lamp (On / Off)
Power Mirror Common Input Signal (Active / Inactive)
Power on/off Left (Active / Inactive)
Power on/off Right (Active / Inactive)
Power Pack Field Effect Transistor Temperature (°C)
Power Pack Motor Current (filtered)(A)
Power Pack Motor Current Limit (A)
Power Pack Motor Real Speed (RPM)
Power Pack Motor Speed Demand (RPM)

Power Sliding Door Chime Request (Active / Inactive)
Power Sliding Door Latch Dwell Time (ms)
Power Sliding Door Latch secondary to primary position closing time (ms)
Power Sliding Door Position Sensor #1 (A/D counts)
Power Sliding Door Position Sensor #2 (A/D counts)
Power Sliding Door Primary Latch Time (ms)
Power Sliding Door Secondary Latch Time (ms)
Power steering Enable (Applied / Not Applied)
Power Steering Fault (Yes (True) / No (False))
Power Steering Load (Present / Not Present)
Power Steering Pressure Switch raw signal (Counts)
Power Steering Pressure Transducer is Currently Unreliable (Yes (True) / No (False))
Power Steering Sensor raw signal (Counts)
Power Striker "Closed" switch (Active / Inactive)
Power Striker "Open" switch (Active / Inactive)
Power Striker Motor neg. (High / Low)
Power Striker Motor pos. (High / Low)
Power Supply ECU (Vehicle Power)(V)
Power Supply Internal Fault (Yes (True) / No (False))
Power Supply Internal Fault (Yes (True) / No (False))
Power Switch (Active / Inactive)
Power Window Decklid/Hatch Motor Current (A)
Power Window Decklid/Hatch Motor Current (A/D)(A/D counts)
Power Window Decklid/Hatch Peak Motor Current (A)
Power Window Driver's Motor Current (A)
Power Window Driver's Motor Current (A/D)(A/D counts)
Power Window Driver's Peak Motor Current (A)
Power Window Left Rear Motor Current (A)
Power Window Left Rear Motor Current (A/D)(A/D counts)
Power Window Left Rear Peak Motor Current (A)
Power Window Passenger's Motor Current (A)
Power Window Passenger's Motor Current (A/D)(A/D counts)
Power Window Passenger's Peak Motor Current (A)
Power Window Right Rear Motor Current (A)
Power Window Right Rear Motor Current (A/D)(A/D counts)
Power Window Right Rear Peak Motor Current (A)
Power Window Sun/Moon Roof Current (A)
Power Window Sun/Moon Roof Current (A/D)(A/D counts)
Power Window Sun/Moon Roof Peak Motor Current (A)
Power Windows Position Sensor Counts (mm)
Powertrain Control Module (PCM)\$10 (Yes (True) / No (False))
Powertrain Control Module (Yes (True) / No (False))
Powertrain Control Module (Yes (True) / No (False))
Powertrain Failure Indicator (non-Mil)(Enable(d) / Disable(d))
Powertrain Malfunction (Active / Inactive)
Powertrain Malfunction Warning (Active / Inactive)
Powertrain Performance Mode Switch (Active / Inactive)
Powertrain Winter Mode Switch (Active / Inactive)
PRB Disable (On / Off)
PRB Mode Auto (On / Off)
PRB Mode Manual (On / Off)

PRB=Disabled Mode (Yes (True) / No (False))
PRB=Manual Mode (Yes (True) / No (False))
Pre Cool (Yes (True) / No (False))
Pre Crash Sensor ID Mismatch (Yes (True) / No (False))
Pre Crash Sensor ID Mismatch (Yes (True) / No (False))
Pre Drive Check Done (Yes (True) / No (False))
Pre Drive Check Failed (Yes (True) / No (False))
Pre Drive Check Pending (Yes (True) / No (False))
Pre Drive Check Undefined (Yes (True) / No (False))
Precharge Fault (Yes (True) / No (False))
Preconditioning Unit Present (Yes (True) / No (False))
Pre-Cooling Input (Yes (True) / No (False))
Precrash Sensor Threshold Exceeded (Yes (True) / No (False))
Preheat Instant On (Active / Inactive)
Presence of 4WD System Detected (Yes (True) / No (False))
Presence of 4WD System Detected (Yes (True) / No (False))
Presence of 4WD System Detected (Yes (True) / No (False))
Preset 1 (Active / Inactive)
Preset 1 Switch (Active / Inactive)
Preset 2 (Active / Inactive)
Preset 2 Switch (Active / Inactive)
Preset 3 (Active / Inactive)
Preset 3 Switch (Active / Inactive)
Preset 4 (Active / Inactive)
Preset 4 Switch (Active / Inactive)
Preset 5 (Active / Inactive)
Preset 5 Switch (Active / Inactive)
Preset 6 (Active / Inactive)
Preset 6 Switch (Active / Inactive)
Pressure Input (Yes (True) / No (False))
Pressure Sensor Calibration Done (Yes (True) / No (False))
Pressure Sensor Calibration Failed (Yes (True) / No (False))
Pressure Sensor Calibration Pending (Yes (True) / No (False))
Pressure Sensor Calibration Undefined (Yes (True) / No (False))
Pressure Sensor Initialization Start (Energize / De-energize)
Pressure Switch (Open / Closed)
Pretensioner Circuit Resist. Low on Squib, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Open, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Open, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Open, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Open, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Open, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Front Driver side (Yes (True) / No (False))

Pretensioner Circuit Resist. Low on Squib, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Resist. Low on Squib, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Short to Battery, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Front Driver side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Front Pass. side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Driver Side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Middle Position (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Circuit Short to Ground, Row 2 Pass. Side (Yes (True) / No (False))
Pretensioner Driver (Yes (True) / No (False))
Pretensioner Driver (Yes (True) / No (False))
Pretensioner Passenger (Yes (True) / No (False))
Pretensioner Passenger (Yes (True) / No (False))
Pretensioner Row #2 Driver Side (Yes (True) / No (False))
Pretensioner Row #2 Driver Side (Yes (True) / No (False))
Pretensioner Row #2 Middle (Yes (True) / No (False))
Pretensioner Row #2 Middle (Yes (True) / No (False))
Pretensioner Row #2 Passenger Side (Yes (True) / No (False))
Pretensioner Row #2 Passenger Side (Yes (True) / No (False))
Primary Crash Sensor #1 Ground Resistance (Counts)
Primary Crash Sensor #1 Ground Resistance (Ohms)
Primary Crash Sensor #1 Ground Resistance A/D Count (Ohms)
Primary Crash Sensor #2 Ground Resistance (Ohms)
Primary Low Pressure Feed Valve (Energize / De-energize)
Primary Steering Wheel Torque Sensor (NM Torque)
Printed Circuit Board (PCB)Temperature - Raw (°C)
Printed Circuit Board Temperature (°C)
Priority Programme Type (PTY)Switch (Active / Inactive)
PRNDE Transmission Range 1 Input Status (Active / Inactive)
PRNDE Transmission Range 2 Input Status (Active / Inactive)
PRNDE Transmission Range 3A Input Status (Active / Inactive)
PRNDE Transmission Range 4 Input Status (Active / Inactive)
PRNDL fault HVEC Shutdown (Yes (True) / No (False))
PRNDL Position
Profile Ignition Pickup (PIP)Low Time (ms)

Profile Ignition Pickup (PIP)Whole Time (ms)
Program Calibration Set
Program Type Switch (Active / Inactive)
Programmed Transmitter ID Code (TIC)Value #1
Programmed Transmitter ID Code (TIC)Value #10
Programmed Transmitter ID Code (TIC)Value #2
Programmed Transmitter ID Code (TIC)Value #3
Programmed Transmitter ID Code (TIC)Value #4
Programmed Transmitter ID Code (TIC)Value #5
Programmed Transmitter ID Code (TIC)Value #6
Programmed Transmitter ID Code (TIC)Value #7
Programmed Transmitter ID Code (TIC)Value #8
Programmed Transmitter ID Code (TIC)Value #9
Programmed Transmitter ID Code (TIC)Value (Counts)
Programmed Transmitter Rolling Code Value #1
Programmed Transmitter Rolling Code Value #10
Programmed Transmitter Rolling Code Value #2
Programmed Transmitter Rolling Code Value #3
Programmed Transmitter Rolling Code Value #4
Programmed Transmitter Rolling Code Value #5
Programmed Transmitter Rolling Code Value #6
Programmed Transmitter Rolling Code Value #7
Programmed Transmitter Rolling Code Value #8
Programmed Transmitter Rolling Code Value #9
PSD Ajar Control (Yes (True) / No (False))
PSD Ajar Control Battery Short (Yes (True) / No (False))
PSD Ajar Control Ground Short (On / Off)
PSD Ajar Control Open Circuit (Yes (True) / No (False))
PSD Closed Battery Short (Yes (True) / No (False))
PSD Closed Ground Short (On / Off)
PSD Closed Open Circuit (Yes (True) / No (False))
PSD Closed Status (Yes (True) / No (False))
PSD Latch (Yes (True) / No (False))
PSD Latch Battery Short (Yes (True) / No (False))
PSD Latch Ground Short (On / Off)
PSD Latch Open Circuit (Yes (True) / No (False))
PSD Open Battery Short (Yes (True) / No (False))
PSD Open Ground Short (On / Off)
PSD Open Open Circuit (Yes (True) / No (False))
PSD Open Status (Yes (True) / No (False))
PSD Open/Close Signal (Active / Inactive)
PSD Unlatch (Yes (True) / No (False))
PSD Unlatch Battery Short (Yes (True) / No (False))
PSD Unlatch Ground Short (On / Off)
PSD Unlatch Open Circuit (Yes (True) / No (False))
PTC Heater (On / Off)
PTC Heater Load (Present / Not Present)
PTC Processor Fault (Yes (True) / No (False))
Puddle Lamp left (Active / Inactive)
Puddle Lamp right (Active / Inactive)
Puddles Lamps (active / inactive)

Purge Flow Monitoring Sensor raw signal (Counts)
Pump (On / Off)
Pump Current - actual (mA)
Pump Efficiency Test Done (Yes (True) / No (False))
Pump Efficiency Test Failed (Yes (True) / No (False))
Pump Efficiency Test Pending (Yes (True) / No (False))
Pump Efficiency Test Undefined (Yes (True) / No (False))
Pump for Secondary Fuel Commanded ON (Yes (True) / No (False))
Pump Motor Status (Active / Inactive)
Pump Relay Enabled (Enable(d) / Disable(d))
Purge Monitor - Very small (0.020 inch)Leak has been Monitored (Yes (True) / No (False))
Purge Monitor Idle Test for very small (0.020 inch)Leak (DTC P0456)will Run at Next Opportunity (Yes (True) / No (False))
Purge Thermistor Flow Sensor is Currently Unreliable (Yes (True) / No (False))
Purging Cannister (Yes (True) / No (False))
PWM #1 Driver Open Circuit (Yes (True) / No (False))
PWM #1 Driver Output State (On / Off)
PWM #1 Driver Short to Battery (Yes (True) / No (False))
PWM #1 Driver Short to Ground (Yes (True) / No (False))
PWM #2 Driver Open Circuit (Yes (True) / No (False))
PWM #2 Driver Output State (On / Off)
PWM #2 Driver Short to Battery (Yes (True) / No (False))
PWM #2 Driver Short to Ground (Yes (True) / No (False))
PWM Backlighting (Active / Inactive)
PWM Backlighting Current (A)
PWM Duty Cycle #1 (% duty cycle on time)
PWM Duty Cycle #2 (% duty cycle on time)
PWM Duty Cycle #3 (% duty cycle on time)
PWM Duty Cycle #4 (% duty cycle on time)
PWM Duty Cycle #5 (% duty cycle on time)
PWM Switch Illumination (Active / Inactive)
PWM Switch Illumination FB (V)
Quick Charger Feedback (Present / Not Present)
Quick Charger Wakeup (Applied / Not Applied)
R/W in diagnostic state (Enable(d) / Disable(d))
Radiator Fan Enable (Applied / Not Applied)
Radio Accessory Input (Active / Inactive)
Radio Earth (Active / Inactive)
Radio Remove Switch (Active / Inactive)
Radio Sense Input (Present / Not Present)
Radio Station Average Signal Strength (%)
Rail ASIC Fault (Yes (True) / No (False))
Rail ASIC Fault (Yes (True) / No (False))
RAM-Error (Yes (True) / No (False))
RAP Disarm Control (Yes (True) / No (False))
RAP Disarm Control Battery Short (Yes (True) / No (False))
RAP Disarm Control Ground Short (On / Off)
RAP Disarm Control Open Circuit (Yes (True) / No (False))
Ratchet Switch Input (Active / Inactive)
Raw Battery Voltage Input (A/D Counts)(A/D counts)

Raw sensor signal (before any FMEM substitution)from the Vehicle Speed Sensor (VSS). See 11C1. (MPH)

RBDS (Yes (True) / No (False))

RBDS Switch (Active / Inactive)

RCM (Restraint Control Module)(Yes (True) / No (False))

RCM (Restraint Control Module)(Yes (True) / No (False))

RCM Configuration Failure (Yes (True) / No (False))

RCM does not support Driver Curtain Airbag (Yes (True) / No (False))

RCM does not support Driver Frontal Airbag (Yes (True) / No (False))

RCM does not support Driver Seatbelt Buckle Switch (Yes (True) / No (False))

RCM does not support Driver Side Airbag (Yes (True) / No (False))

RCM does not support First Row Left Acceleration Sensor (Yes (True) / No (False))

RCM does not support First Row Right Acceleration Sensor (Yes (True) / No (False))

RCM does not support Front Driver Pretensioner (Yes (True) / No (False))

RCM does not support Front Passenger Pretensioner (Yes (True) / No (False))

RCM does not support Occupant Classification Sensor (Yes (True) / No (False))

RCM does not support Occupant Detection Sensor (Yes (True) / No (False))

RCM does not support PAD Lamp (Yes (True) / No (False))

RCM does not support Passenger Airbag Deactivation Switch (Yes (True) / No (False))

RCM does not support Passenger Curtain Airbag (Yes (True) / No (False))

RCM does not support Passenger Frontal Airbag (Yes (True) / No (False))

RCM does not support Passenger Seatbelt Buckle Switch (Yes (True) / No (False))

RCM does not support Passenger Side Airbag (Yes (True) / No (False))

RCM does not support Seat Track Position Switch Driver Side (Yes (True) / No (False))

RCM does not support Seat Track Position Switch Passenger Side (Yes (True) / No (False))

RCM internal setup fault (Yes (True) / No (False))

RCM Unlock Event Counter

RCM Version Conflicts with Driver Side Crash Sensor Version - Row 2 (Yes (True) / No (False))

RCM Version Conflicts with Driver Side Crash Sensor Version (Yes (True) / No (False))

RCM Version Conflicts with Front Crash Sensor Version (Yes (True) / No (False))

RCM Version Conflicts with Hard Wire VID (Yes (True) / No (False))

RCM Version Conflicts with OCS Version (Yes (True) / No (False))

RCM Version Conflicts with Passenger Side Crash Sensor Version - Row 2 (Yes (True) / No (False))

RCM Version Conflicts with Passenger Side Crash Sensor Version (Yes (True) / No (False))

RDS-TMC Antenna (Present / Not Present)

Read Crash Recording

Read Door Handle (momentary event)(Enable / Disable(d))

'Ready' Segment (Enable(d) / Disable(d))

Rear ABS Inlet Valve Output State (Enable(d) / Disable(d))

Rear ABS Outlet Valve Output State (Enable(d) / Disable(d))

Rear Acceleration Threshold Exceeded (Yes (True) / No (False))

Rear Axle Level Sensor PWM Duty Cycle (% Duty Cycle)

Rear Backup Lamps (Energize / De-energize)

Rear Bias Trim for Bank 1

Rear Bias Trim for Bank 2

Rear Blend Door Position (A/D counts)

Rear Center Circuit Open (Fault / No Fault)

Rear Center Circuit Shorted (Fault / No Fault)

Rear Center Short to Battery (Fault / No Fault)

Rear Center Short to Ground (Fault / No Fault)

Rear Center Speaker Circuit Open (Fault / No Fault)
Rear Center Speaker Circuit Short (Fault / No Fault)
Rear Center Speaker Circuit Short to Battery (Fault / No Fault)
Rear Center Speaker Circuit Short to Ground (Fault / No Fault)
Rear Cut Off Switch (Yes (True) / No (False))
Rear Damper Current Above Threshold (Yes (True) / No (False))
Rear DCU's Local DOWN Activated (Active / Inactive)
Rear DCU's Local UP Activated (Active / Inactive)
Rear Defrost (heated backlite)(On / Off)
Rear Defrost (On / Off)
Rear defrost status (Energize / De-energize)
Rear Differential Wheel Speed Sensor Input (MPH)
Rear Door Ajar (Yes (TRUE) / No (FALSE))
Rear Down Switch (Active / Inactive)
Rear Down Switch (Active / Inactive)
Rear Driver's Door (Open / Close(d))
Rear electronics module (Yes (True) / No (False))
Rear Evaporator Temperature Sensor (°C)
Rear Fan - (On / Off)
Rear Fan (On / Off)
Rear Fan Off (On / Off)
Rear Fan+ (On / Off)
Rear Fill Output Open Circuit (Yes (True) / No (False))
Rear Fill Output Short to Battery (Yes (True) / No (False))
Rear Fill Output Short to Ground (Yes (True) / No (False))
Rear Fill Output Status (Open / Close(d))
Rear Fog Lamp (Energize / De-energize)
Rear Fog Lamp Signal Invalid Range (Active / Inactive)
Rear Fog Lamp Signal Open or Short to Battery (Active / Inactive)
Rear Fog Lamp Signal Short to Ground (Active / Inactive)
Rear fog lamp switch (Active / Inactive)
Rear Fog Lamp Switch Signal (Active / Inactive)
Rear Foglamp (On / Off)
Rear Gate Solenoid Open Circuit (Yes (True) / No (False))
Rear Gate Solenoid Output Status (Open / Close(d))
Rear Gate Solenoid Short to Battery (Yes (True) / No (False))
Rear Gate Solenoid Short to Ground (Yes (True) / No (False))
Rear HVAC Control (On / Off)
Rear Left Center Sensor (Detected / Never Detected)
Rear Left Corner Sensor (Detected / Never Detected)
Rear Left Solar Sensor Short to Battery or Open Circuit (Fault / No Fault)
Rear Left Solar Sensor Short to Ground (Fault / No Fault)
Rear Left Thermistor Circuit Failure (Fault / No Fault)
Rear Left Thermistor Short to Ground (Fault / No Fault)
Rear LH Air Mix Servo Feed back Short to Battery or Open Circuit (Fault / No Fault)
Rear LH Air Mix Servo Feed back Short to Ground (Fault / No Fault)
Rear LH Air Mix Servo Motor - Drive Fault (Fault / No Fault)
Rear LH Mode ServoFeed back Short to Ground (Fault / No Fault)
Rear LH Mode Servo Feed back Circuit Failure (Fault / No Fault)
Rear LH Mode Servo Motor - Drive Fault (Fault / No Fault)
Rear Mode Door Position (A/D counts)

Rear Open/Close Switch (Active / Inactive)
Rear Passenger's Door (Open / Close(d))
Rear Reset Switch Shuttled (Yes (True) / No (False))
Rear RH Air Mix Servo Feed back Short to Battery or Open Circuit (Fault / No Fault)
Rear RH Air Mix Servo Feed back Short to Ground (Fault / No Fault)
Rear RH Air Mix Servo Motor - Drive Fault (Fault / No Fault)
Rear RH Mode ServoFeed back Short to Ground (Fault / No Fault)
Rear RH Mode Servo Feed back Circuit Failure (Fault / No Fault)
Rear RH Mode Servo Motor - Drive Fault (Fault / No Fault)
Rear Right Center Sensor (Detected / Never Detected)
Rear Right Corner Sensor (Detected / Never Detected)
Rear Right Solar Sensor Short to Battery or Open Circuit (Fault / No Fault)
Rear Right Solar Sensor Short to Ground (Fault / No Fault)
Rear Right Thermistor Circuit Failure (Fault / No Fault)
Rear Right Thermistor Short to Ground (Fault / No Fault)
Rear Seat Controls (Yes (True) / No (False))
Rear Sensor supply open circuit (Fault / No Fault)
Rear Sensor supply s/c high (Fault / No Fault)
Rear Sensor supply s/c low (Fault / No Fault)
Rear SG1 open circuit (Fault / No Fault)
Rear SG2 open circuit (Fault / No Fault)
Rear Sounder (Active / Inactive)
Rear Speakers (Active / Inactive)
Rear Temperature Decrement (On / Off)
Rear Temperature Increment (On / Off)
Rear Up Switch (Active / Inactive)
Rear Up Switch (Active / Inactive)
Rear Up/Down Position Sensor Present (Yes (True) / No (False))
Rear Up/Down Position Sensor Present (Yes (True) / No (False))
Rear Washer Output Open (Yes (True) / No (False))
Rear Washer Output Short to Battery (Yes (True) / No (False))
Rear Washer Output Short to Ground (Yes (True) / No (False))
Rear Washer Output Status (On / Off)
Rear Washer SW (On / Off)
Rear Window Ajar SW (Open / Close(d))
Rear Window Defog Indicator FB (Active / Inactive)
Rear Window Defogger (Active / Inactive)
Rear Window Release (On / Off)
Rear Window Sensor Switch (Active / Inactive)
Rear Wiper Down Driver Open Circuit (Yes (True) / No (False))
Rear Wiper Down Driver Output State (On / Off)
Rear Wiper Down Driver Short to Battery (Yes (True) / No (False))
Rear Wiper Down Driver Short to Ground (Yes (True) / No (False))
Rear Wiper High (Up)Limit Switch (Active / Inactive)
Rear Wiper Input Switch Status (On / Off)
Rear Wiper Interval SW (On / Off)
Rear Wiper Low (Down)Limit Switch (Active / Inactive)
Rear Wiper Open Circuit (Yes (True) / No (False))
Rear Wiper Output Status (On / Off)
Rear Wiper Park Sense Switch (Active / Inactive)
Rear Wiper Relay (On / Off)

Rear Wiper Select Switch "D" (Active / Inactive)
Rear Wiper Select Switch "E" (Active / Inactive)
Rear Wiper Short to Battery (Yes (True) / No (False))
Rear Wiper Short to Ground (Yes (True) / No (False))
Rear Wiper Up Driver Open Circuit (Yes (True) / No (False))
Rear Wiper Up Driver Output State (On / Off)
Rear Wiper Up Driver Short to Battery (Yes (True) / No (False))
Rear Wiper Up Driver Short to Ground (Yes (True) / No (False))
Rear Wiper Washer Switch Status (On / Off)
Rearward Switch (Active / Inactive)
Rearward Switch (Active / Inactive)
Recall Button (Active / Inactive)
Recirc (On / Off)
Recirc (Yes (True) / No (False))
Recircle Key Input Status (Yes (True) / No (False))
Recirculation (On / Off)
Recirculation Door Actual Position (%)
Recirculation Fan Fault (Yes (True) / No (False))
Recirculation Fan Feedback (Enable(d) / Disable(d))
Recirculation Fan Power (Enable(d) / Disable(d))
Recline Forward Switch (Active / Inactive)
Recline Forward Switch (Active / Inactive)
Recline Position Sensor Present (Yes (True) / No (False))
Recline Position Sensor Present (Yes (True) / No (False))
Recline Rearward Switch (Active / Inactive)
Recline Rearward Switch (Active / Inactive)
Red Brake (!)Warning Lamp Indicator Driver (On / Off)
Reference Voltage (V)
Reflector Angle (milliradians)
Relative humidity percentage (% relative humidity)
Release Switch Active (Yes (True) / No (False))
REM Open/Close Signal (Active / Inactive)
Remeasure (Active / Inactive)
Remeasure (Active / Inactive)
Remeasure (Active / Inactive)
Remeasure (Active / Inactive)
Remeasure (Active / Inactive)
Remote Anti-Theft / Personality Module (RAP)\$48 (Yes (True) / No (False))
Removeable Heated Backlite Relay Driver Output (ON / OFF)
Repeat (Active / Inactive)
Repeat (Active / Inactive)
Repeat (info)(Yes (True) / No (False))
Repeat Switch (Active / Inactive)
Replace Hybrid Battery Pack (Fault / No Fault)
Required Pressure for 3-2 Timing Coast Clutch Solenoid (PSI)
Reserved - report as zero (Yes (True) / No (False))
Reserved (--- / x)
Reserved (--- / x)
Reserved (--- / x)
Reserved (--- / x)
Reserved (x / x)

Reserved (x / x)
Reserved (x / x)
Reserved (x / x)
Reset Alarm Switch (Active / Inactive)
Reset Driver's Door (Open / Close(d))
Reset Passenger's Door (Open / Close(d))
Reset SW (On / Off)
Reset Switch (Active / Inactive)
Reservoir Solenoid (Open / Close(d))
Restraints Control Module (RCM)\$58 (Yes (True) / No (False))
Restraints Indicator Lamp (RIL)Warning (Active / Inactive)
Restraints Indicator Lamp (s)
Restraints PAD Indicator (s)
Resume Switch (Active / Inactive)
Retractable Hard Top Close Switch (On / Off)
Retractable Hard Top Open Switch (On / Off)
Retractor Pretensioner Circuit Open, Front Driver Side (Yes (True) / No (False))
Retractor Pretensioner Circuit Open, Front Driver side (Yes (True) / No (False))
Retractor Pretensioner Circuit Open, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Open, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Resist. Low on Squib, Front Driver Side (Yes (True) / No (False))
Retractor Pretensioner Circuit Resist. Low on Squib, Front Driver side (Yes (True) / No (False))
Retractor Pretensioner Circuit Resist. Low on Squib, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Resist. Low on Squib, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Battery, Front Driver Side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Battery, Front Driver side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Battery, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Battery, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Ground, Front Driver Side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Ground, Front Driver side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Ground, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Circuit Short to Ground, Front Passenger side (Yes (True) / No (False))
Retractor Pretensioner Driver (Yes (True) / No (False))
Retractor Pretensioner Driver (Yes (True) / No (False))
Retractor Pretensioner Passenger (Yes (True) / No (False))
Retractor Pretensioner Passenger (Yes (True) / No (False))
Return Switch (Active / Inactive)
Reverse (Active / Inactive)
Reverse (Active / Inactive)
Reverse (On / Off)
Reverse Aid Input Present Signal (Enable(d) / Disable(d))
Reverse Battery Module Installed (Yes (True) / No (False))
Reverse Gear Inhibit (On / Off)
Reverse Inhibit Control (RIC) / Reverse Lockout Solenoid Control (RLS/RLSC)duty cycle (%)
Reverse Lamp (On / Off)
Reverse Lamp Control (RLC)output fault detected (Yes (True) / No (False))
Reverse Selected (Yes (True) / No (False))
Reverse Sensing System Input (Enable(d) / Disable(d))
Reverse Sensing System Output (Enable(d) / Disable(d))

Reversing Lamps (Energize / De-energize)

Revision #0 - Dealer Revision (performed at Purchase to Customer)(Completed / Not Completed)

Revision #1 - First Warranty Revision (6 Months or 10000 km)(Completed / Not Completed)

Revision #2 - Second Warranty Revision (12 Months or 20000 km)(Completed / Not Completed)

Revision #3 - Third Warranty Revision (18 Months or 30000 km)(Completed / Not Completed)

Revision #4 - Fourth Warranty Revision (24 Months or 40000 km)(Completed / Not Completed)

Revision #5 - Fifth Warranty Revision (30 Months or 50000 km)(Completed / Not Completed)

Revision #6 - Sixth Warranty Revision (36 Months or 60000 km)(Completed / Not Completed)

RF ABS Inlet Valve Open Circuit (Yes (True) / No (False))

RF ABS Inlet Valve Output State (Enable(d) / Disable(d))

RF ABS Inlet Valve Short to Battery (Yes (True) / No (False))

RF ABS Inlet Valve Short to Ground (Yes (True) / No (False))

RF ABS Outlet Valve Open Circuit (Yes (True) / No (False))

RF ABS Outlet Valve Output State (Enable(d) / Disable(d))

RF ABS Outlet Valve Short to Battery (Yes (True) / No (False))

RF ABS Outlet Valve Short to Ground (Yes (True) / No (False))

RF Damper Connected (Yes (True) / No (False))

RF Door Circuit Open (Fault / No Fault)

RF Door Circuit Shorted (Fault / No Fault)

RF Door Lock Status (Lock(ed) / Unlock(ed))

RF Door Short to Battery (Fault / No Fault)

RF Door Short to Ground (Fault / No Fault)

RF Door Speaker Circuit Open (Fault / No Fault)

RF Door Speaker Circuit Short (Fault / No Fault)

RF Door Speaker Circuit Short to Battery (Fault / No Fault)

RF Door Speaker Circuit Short to Ground (Fault / No Fault)

RF Sail Circuit Open (Fault / No Fault)

RF Sail Circuit Open (Fault / No Fault)

RF Sail Circuit Short (Fault / No Fault)

RF Sail Circuit Short to Battery (Fault / No Fault)

RF Sail Circuit Short to Battery (Fault / No Fault)

RF Sail Circuit Short to Ground (Fault / No Fault)

RF Sail Circuit Short to Ground (Fault / No Fault)

RF Sail Circuit Shorted (Fault / No Fault)

RF Shock Encoder (Firm / Soft)

RF Tweeter Circuit Open (Fault / No Fault)

RF Tweeter Circuit Open (Fault / No Fault)

RF Tweeter Circuit Short (Fault / No Fault)

RF Tweeter Circuit Short to Battery (Fault / No Fault)

RF Tweeter Circuit Short to Ground (Fault / No Fault)

RF Tweeter Circuit Shorted (Fault / No Fault)

RF Tweeter Short to Battery (Fault / No Fault)

RF Tweeter Short to Ground (Fault / No Fault)

RH air bypass servo target value (%)

RH Air Intake Servo Feed back Circuit Failure (Fault / No Fault)

RH Air Intake Servo Feed back Short to Ground (Fault / No Fault)

RH Air Intake Servo Motor - Drive Fault (Fault / No Fault)

RH airmix target value (%)

RH airmix pot feedback (%)

RH Cool Air bypass pot feedback (%)

RH mode pot feedback (%)

RH mode target value (%)
RH Rear Seat Front Down Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Front Up Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Front Vertical Motor Memory Position Out Of Range (Fault / No Fault)
RH Rear Seat Front Vertical Motor Out Of Range (Fault / No Fault)
RH Rear Seat Headrest Down Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Headrest Height Motor Memory Position Out Of Range (Fault / No Fault)
RH Rear Seat Headrest Height Motor Out Of Range (Fault / No Fault)
RH Rear Seat Headrest Up Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Lumbar Extend Motor Memory Position Out Of Range (Fault / No Fault)
RH Rear Seat Lumbar Extend Motor Out Of Range (Fault / No Fault)
RH Rear Seat Lumbar Extend Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Lumbar Retract Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Rear Down Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Rear Up Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Rear Vertical Motor Memory Position Out Of Range (Fault / No Fault)
RH Rear Seat Rear Vertical Motor Out Of Range (Fault / No Fault)
RH Rear Seat Recline Forward Switch S/C to Vbatt (Fault / No Fault)
RH Rear Seat Recline Motor Memory Position Out Of Range (Fault / No Fault)
RH Rear Seat Recline Motor Out Of Range (Fault / No Fault)
RH Rear Seat Recline Rearward Switch S/C to Vbatt (Fault / No Fault)
RH Servo Feed back circuit failure (Fault / No Fault)
RH Servo Feed back Short to Ground (Fault / No Fault)
RH Servo Motor - Drive Fault (Fault / No Fault)
RH Side Power Running Board Deploy - Right output to Deploy State (On / Off)
RH Side Power Running Board Deploy (On / Off)
RH Side Power Running Board Stow - Right Output to Stow State (On / Off)
RH Side Power Running Board Stow (On / Off)
RH Temperature down (Active / Inactive)
RH Temperature up (Active / Inactive)
Ride Control Circuit Monitor High (Yes (True) / No (False))
Ride Control Output Fault Detected (Yes (True) / No (False))
Right / Passenger Seat Heater Output Status (Active / Inactive)
Right Blend Door Maximum Counts (Counts)
Right Blend Door Position (A/D counts)
Right Clutch (On / Off)
Right Corner/Aux Park Lamp FB (Active / Inactive)
Right curve learned complete between 100 and 250 kph (Yes (True) / No (False))
Right curve learned complete between 15 and 100 kph (Yes (True) / No (False))
Right curve learned half between 100 and 250 kph (Yes (True) / No (False))
Right curve learned half between 15 and 100 kph (Yes (True) / No (False))
Right Front Analog Height Sensor (mm)
Right Front Analog Height Sensor (mm)
Right Front Door Ajar (Yes (True) / No (False))
Right Front Latch Clutch Switch (Active / Inactive)
Right Front Lock Button (Active / Inactive)
Right Front Speaker (Enable(d) / Disable(d))
Right Front Speaker Circuit Open (Fault / No Fault)
Right Front Speaker Circuit Short to Battery (Fault / No Fault)
Right Front Speaker Circuit Short to Ground (Fault / No Fault)
Right Front Speaker Circuit Shorted (Fault / No Fault)

Right Front Tire Motion Status (Active / Inactive)
Right Front Tire Pressure Resolution (High / Low)
Right Front Tire Sensor Battery Status (Low Range / Normal Range)
Right Front Tire Sensor Reception Count (Counts)
Right Front Traction Control Priming Valve Output State (On / Off)
Right Front Traction Control Switching Valve Output State (On / Off)
Right Front Turn Lamp FB (Active / Inactive)
Right Front Turn Signal Driver Open Circuit (Yes (True) / No (False))
Right Front Turn Signal Driver Output State (On / Off)
Right Front Turn Signal Driver Short to Battery (Yes (True) / No (False))
Right Front Turn Signal Driver Short to Ground (Yes (True) / No (False))
Right Front Tweeter Circuit Open (Fault / No Fault)
Right Front Tweeter Circuit Short to Battery (Fault / No Fault)
Right Front Tweeter Circuit Short to Ground (Fault / No Fault)
Right Front Tweeter Circuit Shorted (Fault / No Fault)
Right Front Unlock Pull Switch (Active / Inactive)
Right Front Wheel Speed Sensor Input (KPH)
Right Front Wheel Speed Sensor Input (MPH)
Right hand air outlet temperature (°C)
Right Headlamp Current (A)
Right Headlamp Stepper Motor Software Position
Right Heated Seat Icon (On / Off)
Right High Beam Lamp Driver Open Circuit (Yes (True) / No (False))
Right High Beam Lamp Driver Output State (On / Off)
Right High Beam Lamp Driver Short to Battery (Yes (True) / No (False))
Right High Beam Lamp Driver Short to Ground (Yes (True) / No (False))
Right latch release (On / Off)
Right Low Beam Lamp Driver Open Circuit (Yes (True) / No (False))
Right Low Beam Lamp Driver Output State (On / Off)
Right Low Beam Lamp Driver Short to Battery (Yes (True) / No (False))
Right Low Beam Lamp Driver Short to Ground (Yes (True) / No (False))
Right Marker Lamp Driver Open Circuit (Yes (True) / No (False))
Right Marker Lamp Driver Output State (On / Off)
Right Marker Lamp Driver Short to Battery (Yes (True) / No (False))
Right Marker Lamp Driver Short to Ground (Yes (True) / No (False))
Right Marker Lamp FB (Active / Inactive)
Right Mirror Turn Signal FB (Active / Inactive)
Right Park Lamp FB (Active / Inactive)
Right Pinch Strip - fault condition (Active / Inactive)
Right Pinch Strip - pinch condition (Active / Inactive)
Right PSD Open Close Switch (Active / Inactive)
Right Rear / Sliding Door Ajar (Yes (True) / No (False))
Right Rear / Sliding Door Cylinder Punch-out (Yes (True) / No (False))
Right Rear / Sliding Door Cylinder Switch (Active / Inactive)
Right Rear / Sliding Door Handle Activated (Yes (True) / No (False))
Right Rear / Sliding Door Unlock Disarm Switch (Active / Inactive)
Right Rear Analog Height Sensor (mm)
Right Rear Analog Height Sensor (mm)
Right Rear Back Up Lamp (Energize / De-energize)
Right Rear Brake Lamp Driver Open Circuit (Yes (True) / No (False))
Right Rear Brake Lamp Driver Short to Battery (Yes (True) / No (False))

Right Rear Brake Lamp Driver Short to Ground (Yes (True) / No (False))
Right Rear Down Activated (Yes (True) / No (False))
Right Rear Inner Tire Motion Status (Active / Inactive)
Right Rear Inner Tire Pressure Resolution (High / Low)
Right Rear Inner Tire Sensor Battery Status (Low Range / Normal Range)
Right Rear Latch Clutch Switch (Active / Inactive)
Right Rear Lock Activated (Yes (True) / No (False))
Right Rear Lock Activated (Yes (True) / No (False))
Right Rear Lock/Unlock (Yes (True) / No (False))
Right Rear Puddle lamp Circuit Failure. (Yes (True) / No (False))
Right Rear Puddle lamp Open Circuit. (Yes (True) / No (False))
Right Rear Puddle lamp Short to Battery. (Yes (True) / No (False))
Right Rear Puddle lamp Short to Ground. (Yes (True) / No (False))
Right Rear Seat Belt Fastened (Yes (True) / No (False))
Right Rear Seat Front Vertical Position (% full up)
Right Rear Seat Headrest Position (% full up)
Right Rear Seat Lumbar Position (% full out)
Right Rear Seat Occupied (Yes (True) / No (False))
Right Rear Seat Rear Vertical Position (% full up)
Right Rear Seat Recline Position (% full forward)
Right Rear Speaker (Enable(d) / Disable(d))
Right Rear Speaker Circuit Open (Fault / No Fault)
Right Rear Speaker Circuit Short to Battery (Fault / No Fault)
Right Rear Speaker Circuit Short to Ground (Fault / No Fault)
Right Rear Speaker Circuit Shorted (Fault / No Fault)
Right Rear Stop Lamp (On / Off)
Right Rear Tire Motion Status (Active / Inactive)
Right Rear Tire Pressure Resolution (High / Low)
Right Rear Tire Sensor Battery Status (Low Range / Normal Range)
Right Rear Tire Sensor Reception Count (Counts)
Right Rear Traction Control Priming Valve Output State (On / Off)
Right Rear Traction Control Switching Valve Output State (On / Off)
Right Rear Turn / Stop Driver Open Circuit (Yes (True) / No (False))
Right Rear Turn / Stop Driver Output State (On / Off)
Right Rear Turn / Stop Driver Short to Battery (Yes (True) / No (False))
Right Rear Turn / Stop Driver Short to Ground (Yes (True) / No (False))
Right Rear Tweeter Circuit Open (Fault / No Fault)
Right Rear Tweeter Circuit Short to Battery (Fault / No Fault)
Right Rear Tweeter Circuit Short to Ground (Fault / No Fault)
Right Rear Tweeter Circuit Shorted (Fault / No Fault)
Right Rear Unlock Activated (Yes (True) / No (False))
Right Rear Unlock Activated (Yes (True) / No (False))
Right Rear Unlock Pull Switch (Active / Inactive)
Right Rear Up Activated (Yes (True) / No (False))
Right Rear Up/Down (Yes (True) / No (False))
Right Rear Wheel Speed Sensor Input (KPH)
Right Rear Wheel Speed Sensor Input (MPH)
Right Rear Window Down (Yes (True) / No (False))
Right Rear Window Sensor Switch (Active / Inactive)
Right Rr Park Lamp/Stop Turn Lamp 2 FB (Active / Inactive)
Right Rr Stop Turn Lamp 1 FB (Active / Inactive)

Right Running Board Motor Current (A)
Right Running Board Motor Current (A)
Right Running Board Position (Hall Counts)(Counts)
Right Tail Lamp Driver Open Circuit (Yes (True) / No (False))
Right Tail Lamp Driver Output State (On / Off)
Right Tail Lamp Driver Short to Battery (Yes (True) / No (False))
Right Tail Lamp Driver Short to Ground (Yes (True) / No (False))
Right Temp Dn (Yes (True) / No (False))
Right Temp Up (Yes (True) / No (False))
Right Tonneau Cover Close Relay (On / Off)
Right Tonneau Cover Drive Motor Driver (On / Off)
Right Tonneau Cover Open Relay (On / Off)
Right Turn Signal (Active / Inactive)
Right Turn Signal Indicator (Enable(d) / Disable(d))
Right Turn Signal Output Open Circuit (Yes (True) / No (False))
Right Turn Signal Output Short to Vbatt (Yes (True) / No (False))
Right Turn Switch (Active / Inactive)
Right-rear microphone indicator (LED)output status (On / Off)
Right-rear microphone passthrough status (Active / Inactive)
RKE (Remote Keyless Entry)(Yes (True) / No (False))
RKE (Remote Keyless Entry)(Yes (True) / No (False))
RL Solenoid (Open / Close(d))
RL Wheel needed anti-lock control (Enable(d) / Disable(d))
RL Wheel needed traction control (Enable(d) / Disable(d))
Roll Over Protection Bar Resistance Front Driver side (Ohms)
Roll Over Protection Bar Resistance Front Passenger side (Ohms)
Roll Rate Sensor (Degrees / Second)
Roll Rate Sensor Initialization Start (Yes (True) / No (False))
Roll Rate Sensor Input Open Circuit (Yes (True) / No (False))
Roll Rate Sensor Input Short to Battery (Yes (True) / No (False))
Roll Rate Sensor Input Short to Ground (Yes (True) / No (False))
Roll Rate Value (Radians / sec)
Roll Stability Control Chime (Active / Inactive)
Roll Stability Control Service Required Chime (Active / Inactive)
Rollover Threshold Exceeded (Yes (True) / No (False))
Roof Closed Position Sensor (On / Off)
Roof Open Switch (On / Off)
Roof Opened Position Sensor (On / Off)
Row 1 Driver SCS Mismatch (Yes (True) / No (False))
Row 1 Driver SCS Mismatch (Yes (True) / No (False))
Row 1 Passenger SCS Mismatch (Yes (True) / No (False))
Row 1 Passenger SCS Mismatch (Yes (True) / No (False))
Row 2 Center Seat Buckle Switch State (Connect(ed) / Disconnect(ed))
Row 2 Driver SCS Mismatch (Yes (True) / No (False))
Row 2 Driver SCS Mismatch (Yes (True) / No (False))
Row 2 Left Seat Buckle Switch State (Connect(ed) / Disconnect(ed))
Row 2 Passenger SCS Mismatch (Yes (True) / No (False))
Row 2 Passenger SCS Mismatch (Yes (True) / No (False))
Row 2 Right Seat Buckle Switch State (Connect(ed) / Disconnect(ed))
RPM - Audible Shift Warning (Active / Inactive)
RR ABS Inlet Valve Open Circuit (Yes (True) / No (False))

RR ABS Inlet Valve Output State (Enable(d) / Disable(d))
RR ABS Inlet Valve Short to Battery (Yes (True) / No (False))
RR ABS Inlet Valve Short to Ground (Yes (True) / No (False))
RR ABS Outlet Valve Open Circuit (Yes (True) / No (False))
RR ABS Outlet Valve Output State (Enable(d) / Disable(d))
RR ABS Outlet Valve Short to Battery (Yes (True) / No (False))
RR ABS Outlet Valve Short to Ground (Yes (True) / No (False))
RR Center Speaker Circuit Open (Fault / No Fault)
Rr Center Speaker Circuit Open (Fault / No Fault)
RR Center Speaker Circuit Short (Fault / No Fault)
RR Center Speaker Circuit Short to Battery (Fault / No Fault)
RR Center Speaker Circuit Short to Ground (Fault / No Fault)
Rr Center Speaker Circuit Shorted (Fault / No Fault)
Rr Center Speaker Short to Battery (Fault / No Fault)
Rr Center Speaker Short to Ground (Fault / No Fault)
RR Damper Connected (Yes (True) / No (False))
RR Door Lock Status (Lock(ed) / Unlock(ed))
RR Door Speaker Circuit Open (Fault / No Fault)
RR Door Speaker Circuit Open (Fault / No Fault)
RR Door Speaker Circuit Short (Fault / No Fault)
RR Door Speaker Circuit Short to Battery (Fault / No Fault)
RR Door Speaker Circuit Short to Battery (Fault / No Fault)
RR Door Speaker Circuit Short to Ground (Fault / No Fault)
RR Door Speaker Circuit Short to Ground (Fault / No Fault)
RR Door Speaker Circuit Shorted (Fault / No Fault)
RR Shock Encoder (Firm / Soft)
RR Solenoid (Open / Close(d))
RR Sub Circuit Open (Fault / No Fault)
RR Sub Circuit Open (Fault / No Fault)
RR Sub Circuit Short (Fault / No Fault)
RR Sub Circuit Short to Battery (Fault / No Fault)
RR Sub Circuit Short to Battery (Fault / No Fault)
RR Sub Circuit Short to Ground (Fault / No Fault)
RR Sub Circuit Short to Ground (Fault / No Fault)
RR Sub Circuit Shorted (Fault / No Fault)
RR Wheel needed anti-lock control (Enable(d) / Disable(d))
RR Wheel needed traction control (Enable(d) / Disable(d))
RUN Position (Yes (True) / No (False))
Run Time in Alternate Fuel Mode (Hours)
Run Time in Gasoline Mode (Hours)
Run time on Alternative Fuel (s)
RUN/ACC (Yes (True) / No (False))
Run/start input status to voice (Active / Inactive)
RUN/START Position (Yes (True) / No (False))
Run-Dry Output Feedback (--- / x)
Running Board Lighting (Enable / Disable(d))
Running Board Lights Output Open Circuit (Yes (True) / No (False))
Running Board Lights Output Short to Battery (Yes (True) / No (False))
Running Board Lights Output Status (On / Off)
Running Board Lights Short to Ground (Yes (True) / No (False))
RUNTM: Time Since Engine Start. See Annex B of ISO 15031-5 for full specification. (s)

SASM (Steering Angle Sensor Module)(Yes (True) / No (False))
SASM (Steering Angle Sensor Module)(Yes (True) / No (False))
Satellite ASIC Fault (Yes (True) / No (False))
Satellite ASIC Fault (Yes (True) / No (False))
Saved Headrest Position for Tilt/Latch Function (A/D counts)
Scan Switch (Active / Inactive)
SCP Periodic Message Missing for Ambient Temp. from IAA (Yes (True) / No (False))
SCP Periodic Message Missing for Vehicle Speed from TIM (Yes (True) / No (False))
SCP Periodic Msg Missing for HVAC Blower Fan Speed Command (Yes (True) / No (False))
SCP Periodic Msg Missing for Trac Current Est From TIM (Yes (True) / No (False))
Screen (Yes (True) / No (False))
SDARS (Yes (True) / No (False))
SDARS (Yes (True) / No (False))
SDARS Primary Source (Active / Inactive)
SDARS Secondary Source (Active / Inactive)
Seat Belt Lamp Driver Open Circuit (Yes (True) / No (False))
Seat Belt Lamp Driver Output State (On / Off)
Seat Belt Lamp Driver Short to Battery (Yes (True) / No (False))
Seat Belt Lamp Driver Short to Ground (Yes (True) / No (False))
Seat Belt Warning Lamp (Enable(d) / Disable(d))
Seat Belt Warning Lamp (Energize / De-energize)
Seat Forward Switch (Active / Inactive)
Seat Forward Switch (Active / Inactive)
Seat Front Down Switch (Active / Inactive)
Seat Front Down Switch (Active / Inactive)
Seat Front Up Switch (Active / Inactive)
Seat Front Up Switch (Active / Inactive)
Seat Rear Down Switch (Active / Inactive)
Seat Rear Down Switch (Active / Inactive)
Seat Rear Up Switch (Active / Inactive)
Seat Rear Up Switch (Active / Inactive)
Seat Rearward Switch (Active / Inactive)
Seat Rearward Switch (Active / Inactive)
Seat Recline Forward Switch (Active / Inactive)
Seat Recline Forward Switch (Active / Inactive)
Seat Recline Rearward Switch (Active / Inactive)
Seat Recline Rearward Switch (Active / Inactive)
Seatbelt Load Limiter - Driver (Yes (True) / No (False))
Seatbelt load limiter - Driver (Yes (True) / No (False))
Seatbelt Load Limiter - Passenger (Yes (True) / No (False))
Seatbelt load limiter - Passenger (Yes (True) / No (False))
Seatbelt Load Limiter Driver Circuit Resist. Low on Squib (Yes (True) / No (False))
Seatbelt Load limiter Driver Circuit Resist. Low on Squib (Yes (True) / No (False))
Seatbelt Load Limiter Driver Open (Yes (True) / No (False))
Seatbelt Load limiter Driver Open (Yes (True) / No (False))
Seatbelt Load Limiter Driver Short to Battery (Yes (True) / No (False))
Seatbelt Load limiter Driver Short to Battery (Yes (True) / No (False))
Seatbelt Load Limiter Driver Short to Ground (Yes (True) / No (False))
Seatbelt Load limiter Driver Short to Ground (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Curcuit Resist. Low on Squib (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Open (Yes (True) / No (False))

Seatbelt Load Limiter Front Passenger Short to Battery (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Short to Ground (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Circuit Resist. Low on Squib (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Open (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Short to Battery (Yes (True) / No (False))
Seatbelt Load Limiter Front Passenger Short to Ground (Yes (True) / No (False))
Seatbelt Warning (Active / Inactive)
Seatbelt Warning/Beltminder Chime (Enable(d) / Disable(d))
Sec. Air Bypass is supplying Sec. Air to Forward O2 Sensor (Yes (True) / No (False))
Sec. Air Diverter-Diverting Air to Upstream of Forward O2 Sensor (Yes (True) / No (False))
Second Air Charge Temperature Sensor is Currently Unreliable (Yes (True) / No (False))
Second Fuel Pump (FP-B)Commanded to Operate (Yes (True) / No (False))
Second Fuel Pump (FP-B)Output Fault Detected (Yes (True) / No (False))
Secondary Air Commanded State (On / Off)
Secondary Air Injection Monitor High (Yes (True) / No (False))
Secondary Air Injection Primary Circuit Monitor High (Yes (True) / No (False))
Secondary AIR Output Fault Detected (Yes (True) / No (False))
Secondary Air System (SAIR)Monitored since Power-up (Yes (True) / No (False))
Secondary Electronic Power Steering Torque Sensor (NM Torque)
Secondary Fuel Injector 1 Commanded State (On / Off)
Secondary Fuel Injector 2 Commanded State (On / Off)
Secondary Low Pressure Feed valve (Energize / De-energize)
Secondary Spark Plugs Enabled (Yes (True) / No (False))
Secondary Throttle (traction control)duty cycle (%)
Secondary Throttle (traction control)raw signal (Counts)
Secondary Throttle Output Fault Detected (Yes (True) / No (False))
Secondary Throttle Relative Position (Counts)
Sector 2 Switch (Active / Inactive)
Security Indicator Status (On / Off)
Security Speed Signal (Yes (True) / No (False))
Security System Ground (Active / Inactive)
Seek - Switch (Active / Inactive)
Seek + Switch (Active / Inactive)
Seek Decrease Switch (Active / Inactive)
Seek Dn (Yes (True) / No (False))
Seek Down (Active / Inactive)
Seek Increase Switch (Active / Inactive)
Seek Up (Active / Inactive)
Seek Up (Yes (True) / No (False))
Select position of the disengaged 1st and 2nd gear (mm)
Select position of the disengaged 3rd and 4th gear (mm)
Select position of the disengaged 5th and reverse gear (mm)
Select position of the engaged 1st gear (mm)
Select position of the engaged 2nd gear (mm)
Select position of the engaged 3rd gear (mm)
Select position of the engaged 4th gear (mm)
Select position of the engaged 5th gear (mm)
Select position of the engaged reverse gear (mm)
Select Reference Signal input indicates that the shifter is in the reverse gear gate. (Yes (True) / No (False))
Select/Mode Switch (Active / Inactive)

Selected battery module bypass current (A)
Selected Battery module fault (Yes (True) / No (False))
Selected Battery Module Temperature (°C)
Send (Active / Inactive)
Send Button (Active / Inactive)
Send Button (Active / Inactive)
Sensor Cluster (Yes (True) / No (False))
Sensor ID Programmed (Yes (True) / No (False))
Sensor ID Programmed (Yes (True) / No (False))
Sensor ID Programmed (Yes (True) / No (False))
Sensor ID Programmed (Yes (True) / No (False))
Sensor ID Programmed (Yes (True) / No (False))
Sensor Power State (Active / Inactive)
Sensor Signal High Short to Ground (Yes (True) / No (False))
Sensor Signal High Short to Ground (Yes (True) / No (False))
Sensor Signal High Short to Ground (Yes (True) / No (False))
Sensor Signal High Short to Ground (Yes (True) / No (False))
Sensor Signal High Short to Ground (Yes (True) / No (False))
Sensor Signal High State (Yes (True) / No (False))
Sensor Signal High State (Yes (True) / No (False))
Sensor Signal High State (Yes (True) / No (False))
Sensor Signal High State (Yes (True) / No (False))
Sensor Signal High State (Yes (True) / No (False))
Sensor Signal Low Short to Ground (Yes (True) / No (False))
Sensor Signal Low Short to Ground (Yes (True) / No (False))
Sensor Signal Low Short to Ground (Yes (True) / No (False))
Sensor Signal Low Short to Ground (Yes (True) / No (False))
Sensor Signal Low Short to Ground (Yes (True) / No (False))
Sensor Signal Low State (Yes (True) / No (False))
Sensor Signal Low State (Yes (True) / No (False))
Sensor Signal Low State (Yes (True) / No (False))
Sensor Signal Low State (Yes (True) / No (False))
Sensor Signal Low State (Yes (True) / No (False))
Sensor supply 1 - measured (V)
Sensor supply 2 - measured (V)
Sensor supply voltage (V)
Sensor Supply Voltage A (V)
Sequence counter incremented every PIP rising edge, used to indentify the cycle and position.
(Sequence number)
Service Bleed Brake Apply Counter (Counts)
Service Engine (MIL)(Active / Inactive)
Set / Acceleration Switch (Active / Inactive)
Set / Reset double lock (Reset / Not Reset)
Set Alarm Switch (Active / Inactive)
Set Front Pass/Drv Door (Open / Close(d))
Set Solenoid DTC (Yes (True) / No (False))
Set Solenoid DTC (Yes (True) / No (False))
Set Solenoid DTC (Yes (True) / No (False))
Set Solenoid DTC (Yes (True) / No (False))
Set SW (On / Off)
Set Temperature (%)

Setup Switch (Active / Inactive)
Shift position of the disengaged 1st and 2nd gear (mm)
Shift position of the disengaged 3rd and 4th gear (mm)
Shift position of the disengaged 5th and reverse gear (mm)
Shift position of the engaged 1st gear (mm)
Shift position of the engaged 2nd gear (mm)
Shift position of the engaged 3rd gear (mm)
Shift position of the engaged 4th gear (mm)
Shift position of the engaged 5th gear (mm)
Shift position of the engaged reverse gear (mm)
Shift Solenoid #1 Circuit Monitor High (Yes (True) / No (False))
Shift Solenoid #1 commanded current (A)
Shift Solenoid #1 Commanded On (Yes (True) / No (False))
Shift Solenoid #1 commanded pressure (PSI)
Shift Solenoid #1 Failure (Yes (True) / No (False))
Shift Solenoid #1 Output Fault Detected (Yes (True) / No (False))
Shift Solenoid #2 Circuit Monitor High (Yes (True) / No (False))
Shift Solenoid #2 commanded current (A)
Shift Solenoid #2 Commanded On (Yes (True) / No (False))
Shift Solenoid #2 commanded pressure (PSI)
Shift Solenoid #2 Failure (Yes (True) / No (False))
Shift Solenoid #2 Output Fault Detected (Yes (True) / No (False))
Shift Solenoid #3 Circuit Monitor High (Yes (True) / No (False))
Shift Solenoid #3 commanded current (A)
Shift Solenoid #3 Commanded On (Yes (True) / No (False))
Shift Solenoid #3 commanded pressure (PSI)
Shift Solenoid #3 Failure (Yes (True) / No (False))
Shift Solenoid #3 measured current (A)
Shift Solenoid #3 Output Fault Detected (Yes (True) / No (False))
Shift Solenoid #4 commanded current (A)
Shift Solenoid #4 commanded pressure (PSI)
Shift Solenoid #4 measured current (A)
Shift Solenoid #5 commanded current (A)
Shift Solenoid #5 commanded pressure (PSI)
Shift Solenoid #5 measured current (A)
Shift Solenoid 1 (%)
Shift Solenoid 2 (%)
Shift Solenoid 3 (%)
Shift Solenoid A (SSA)duty cycle (% Duty Cycle)
Shift Solenoid A (SS-A)inductive signature malfunction detected (Yes (True) / No (False))
Shift Solenoid B (SSB)duty cycle (% Duty Cycle)
Shift Solenoid B (SS-B)inductive signature malfunction detected (Yes (True) / No (False))
Shift Solenoid C (SSC)duty cycle (%)
Shift Solenoid C (SS-C)inductive signature malfunction detected (Yes (True) / No (False))
Shift Solenoid D (SSD)duty cycle. (%)
Shift Solenoid D (SS-D)inductive signature malfunction detected (Yes (True) / No (False))
Shift Solenoid E (SSE)Duty Cycle (% Duty Cycle)
Shift Solenoid F (SS-F)Duty Cycle (% Duty Cycle)
Shift Travel Neutral Gear (mm)
Shifter power supply on (On / Off)
Shock Actuator Driver Open Circuit (Yes (True) / No (False))

Shock Actuator Driver Open Circuit (Yes (True) / No (False))
Shock Actuator Driver Open Circuit (Yes (True) / No (False))
Shock Actuator Driver Open Circuit (Yes (True) / No (False))
Shock Actuator Driver Output State (On / Off)
Shock Actuator Driver Output State (On / Off)
Shock Actuator Driver Output State (On / Off)
Shock Actuator Driver Output State (On / Off)
Shock Actuator Driver Short to Battery (Yes (True) / No (False))
Shock Actuator Driver Short to Battery (Yes (True) / No (False))
Shock Actuator Driver Short to Battery (Yes (True) / No (False))
Shock Actuator Driver Short to Battery (Yes (True) / No (False))
Shock Actuator Driver Short to Ground (Yes (True) / No (False))
Shock Actuator Driver Short to Ground (Yes (True) / No (False))
Shock Actuator Driver Short to Ground (Yes (True) / No (False))
Shock Actuator Driver Short to Ground (Yes (True) / No (False))
Short chime (Active / Inactive)
Short Term Fuel Trim - Bank 1 (% enrichment)
Short Term Fuel Trim -Bank 2 (% enrichment)
Short Term Fuel Trim for cylinder number 1 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 2 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 3 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 4 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 5 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 6 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 7 (a positive value indicates additional fuel)
Short Term Fuel Trim for cylinder number 8 (a positive value indicates additional fuel)
Shuffle (Active / Inactive)
Side Acceleration Threshold Exceeded (Yes (True) / No (False))
Side Air Bag #2 Circuit Open, Front Driver Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Open, Front Pass. Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Res. Low on Squib, Front Driver Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Res. Low on Squib, Front Pass. Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Short to Battery, Front Pass. Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Short to Ground, Front Driver Side (Yes (True) / No (False))
Side Air Bag #2 Circuit Short to Ground, Front Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Front Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Front Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Row 2 Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Open, Row 2 Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Front Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Front Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Row 2 Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Res. Low on Squib, Row 2 Pass. Side (Yes (True) / No (False))
Side Air Bag Circuit Short to Battery, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Short to Battery, Front Driver Side (Yes (True) / No (False))
Side Air Bag Circuit Short to Battery, Front Pass. (Yes (True) / No (False))
Side Air Bag Circuit Short to Battery, Front Pass. (Yes (True) / No (False))

Side Crash Sensor Internal Fault, Front Pass. side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #2 Driver side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #2 Driver side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #2 Pass. side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #2 Pass. side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #3 Driver side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #3 Driver side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #3 Pass. side (Yes (True) / No (False))
Side Crash Sensor Internal Fault, Row #3 Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Front Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Front Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Row #2 Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Row #2 Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Row #3 Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Comm. Fault, Row #3 Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Front Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Front Driver side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Row #2 Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Row #2 Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Row #3 Pass. side (Yes (True) / No (False))
Side Crash Sensor Mount/Communication Fault, Row #3 Pass. side (Yes (True) / No (False))
Side Crash Sensor Short to Battery, Row #3 Passenger side (Yes (True) / No (False))
Side Crash Sensor Short to Battery, Row #3 Passenger side (Yes (True) / No (False))
Side Crash Sensor Short to Ground, Row #3 Driver side (Yes (True) / No (False))
Side Crash Sensor Short to Ground, Row #3 Passenger side (Yes (True) / No (False))
Side Crash Sensor Short to Ground, Row #3 Passenger side (Yes (True) / No (False))
Signal Strength (dBuV)
Simpson Gear Set Direct Clutch Failed OFF. (Yes (True) / No (False))
Simpson Gear Set Direct Clutch Failed ON. (Yes (True) / No (False))
Simpson Gear Set Intermediate Clutch Failed OFF. (Yes (True) / No (False))
Simpson Gear Set Intermediate Clutch Failed ON. (Yes (True) / No (False))
Simpson Gear Set Low Reverse Clutch Failed OFF. (Yes (True) / No (False))
Simpson Gear Set Low Reverse Clutch Failed ON. (Yes (True) / No (False))
Simpson Gear Set Mechanical Diode Number 3 Failed OFF. (Yes (True) / No (False))
Simulated Misfire Invoked Due to Low Fuel Level (Current Status)(Yes (True) / No (False))
Single CD Player (Yes (True) / No (False))
Size and Format Information for the Bank 1 Adaptive Fuel Table
Size and Format Information for the Bank 2 Adaptive Fuel Table
SLI (Starting, Lighting, Ignition)Battery Temperature (°C)
SLI (Starting, Lighting, Ignition)Battery Voltage (V)
SLI Warning Lamp (On / Off)
Slip speed (KPH)
Smog Sensor (CO)A/D Counts (A/D counts)
Smog Sensor (NOX)A/D Counts (A/D counts)
Smog Sensor output (On / Off)
Soak Time Conditions to Permit Running of Purge Monitor have been met (Yes (True) / No (False))
SOC HVEC Shutdown (Yes (True) / No (False))
Softtop Decklid Ajar Input (Closed / Open)
Softtop Decklid Switch Status (Close / Open)
Solar Radiation Left side (Watts)

Solar Radiation Right side (Watts)
Solar Radiation Sensor (A/D counts)
Solenoid 1 (On / Off)
Solenoid 2 (On / Off)
Solenoid 3 (On / Off)
Solenoid 4 (On / Off)
Solenoid Commanded (Yes (True) / No (False))
Solenoid Commanded (Yes (True) / No (False))
Solenoid Commanded (Yes (True) / No (False))
Solenoid Commanded (Yes (True) / No (False))
Solenoid Driver Open Circuit (Yes (True) / No (False))
Solenoid Driver Open Circuit (Yes (True) / No (False))
Solenoid Driver Open Circuit (Yes (True) / No (False))
Solenoid Driver Open Circuit (Yes (True) / No (False))
Solenoid Driver Open Circuit (Yes (True) / No (False))
Solenoid Driver Output State (On / Off)
Solenoid Driver Output State (On / Off)
Solenoid Driver Output State (On / Off)
Solenoid Driver Output State (On / Off)
Solenoid Driver Output State (On / Off)
Solenoid Driver Short to Battery (Yes (True) / No (False))
Solenoid Driver Short to Battery (Yes (True) / No (False))
Solenoid Driver Short to Battery (Yes (True) / No (False))
Solenoid Driver Short to Battery (Yes (True) / No (False))
Solenoid Driver Short to Battery (Yes (True) / No (False))
Solenoid Driver Short to Ground (Yes (True) / No (False))
Solenoid Driver Short to Ground (Yes (True) / No (False))
Solenoid Driver Short to Ground (Yes (True) / No (False))
Solenoid Driver Short to Ground (Yes (True) / No (False))
Solenoid Driver Short to Ground (Yes (True) / No (False))
Solenoid Fault (Yes (True) / No (False))
Solenoid Fault (Yes (True) / No (False))
Solenoid Fault (Yes (True) / No (False))
Solenoid Fault (Yes (True) / No (False))
Solenoid Output (Yes (True) / No (False))
Solenoid Output (Yes (True) / No (False))
Solenoid Output (Yes (True) / No (False))
Solenoid Output (Yes (True) / No (False))
Soot In Oil Telltale Commanded ON, Indicating Soot in Oil (Yes (True) / No (False))
Sound (Active / Inactive)
Spare 1 PD Switch (Active / Inactive)
Spare 2 PD Switch (Active / Inactive)
Spare input 1 (Active / Inactive)
Spare input 2 (Active / Inactive)
Spare Switch (Active / Inactive)
Spare Tire Motion Status (Active / Inactive)
Spare Tire Pressure Resolution (High / Low)
Spare Tire Sensor Battery Status (Low Range / Normal Range)
Spare Tire Transmitter ID
Spark conduction capture circuit fault detected. (Yes (True) / No (False))
Spark Firing Timing measured (°BTDC)

Speech Recognition Effectiveness (Counts)
Speed > 120 kph (Yes (True) / No (False))
Speed > 3 mph (Yes (True) / No (False))
Speed Control Cancel Switch (Active / Inactive)
Speed Control GAP Switch (Active / Inactive)
Speed Control Hardware is present (Yes (True) / No (False))
Speed Control Null (No Buttons Pushed)(Valid / Invalid)
Speed Control OFF Switch (Active / Inactive)
Speed Control ON Switch (Active / Inactive)
Speed Control On/Off Switch (Active / Inactive)
Speed Control Switch Input raw signal (Counts)
Speed Dependent Wiper Function (Enable(d) / Disable(d))
Speed Pully 1, actual sensor reading, before any FMEM substitution (RPM)
Speed Pully 2, actual sensor reading, before any FMEM substitution (RPM)
Speed Ratio Across Convertor
Speed Sensor Signal High (Yes (True) / No (False))
Speed Signal - 30K Pulse/Mile Output (Pulses)
Speed Signal - 80K Pulse/Mile Input (Pulses)
Speed Signal - 8K Pulse/Mile Output (Pulses)
Speed Signal (Active / Inactive)
Speed Signal (On / Off)
Speed Signal Status Low (False)or High (True)(Yes (True) / No (False))
Speed Warning Chime (Active / Inactive)
Speed Warning Chime Output Fault Detected (Yes (True) / No (False))
Speedometer gauge pointer placement (KPH)
Speedometer Output Frequency (Hz)
SSCD Security ID stored in KVM (Yes (True) / No (False))
SSM (Select Shift Mode)is selected. (Yes (True) / No (False))
Stability Control (Active / Inactive)
Stability Control Active Indicator (Enable(d) / Disable(d))
Stand Alone Receiver (SRX)Battery Voltage Value (V)
Start Authorisation Challenge Reveived (Yes (True) / No (False))
Start Button 1 (Active / Inactive)
Start Button 2 (Active / Inactive)
START Position (Yes (True) / No (False))
Starter request (1=Key is in START position)(Yes (True) / No (False))
Startup Config HVEC Shutdown (Yes (True) / No (False))
State of Charge (%)
Status LED Green (Energize / De-energize)
Status LED Red (Energize / De-energize)
Status of Memory function (enabled / disabled)
Status of 'Memory recalled' Message (enabled / disabled)
Status of Output Headrest Down (active / inactive)
Status of Output Headrest Up (active / inactive)
Status of Output Potentiometer Supply (active / inactive)
Status of phone tranceiver active (PTA)(Active / Inactive)
Status Switch (Active / Inactive)
Steering Angle Sensor Calibration Results (Passed / Failed)
Steering Angle Sensor Calibration status (Test Complete / Test Not Complete)
Steering Angle Sensor Initialization Start (Yes (True) / No (False))
Steering Column Lock Ground Output (On / Off)

Steering column lock module (Yes (True) / No (False))
Steering Column Lock Power Output (On / Off)
Steering column telescope in stop limit (A/D counts)
Steering column telescope out stop limit (A/D counts)
Steering column telescope position (A/D counts)
Steering Column Telescope Position Sensor (Active / Inactive)
Steering Column Telescope Switch In (Active / Inactive)
Steering Column Telescope Switch Out (Active / Inactive)
Steering column tilt down stop limit (A/D counts)
Steering column tilt position (A/D counts)
Steering Column Tilt Position Sensor (Active / Inactive)
Steering Column Tilt Switch Down (Active / Inactive)
Steering Column Tilt Switch Up (Active / Inactive)
Steering column tilt up stop limit (A/D counts)
Steering Rate (ms)
Steering Rate Signal (filtered)(°C)
Steering Rate Signal (filtered)(Degrees / Second)
Steering Rate Signal (not filtered)(Degrees / Second)
Steering Sensor A (OK / Low)
Steering Sensor A (OK / Low)
Steering Sensor A (OK / Low)
Steering Sensor A High (Yes (True) / No (False))
Steering Sensor B (OK / Low)
Steering Sensor B (OK / Low)
Steering Sensor B (OK / Low)
Steering Sensor B High (Yes (True) / No (False))
Steering Sensor Phase A High (Yes (True) / No (False))
Steering Sensor Phase B High (Yes (True) / No (False))
Steering Wheel Angle (°)
Steering Wheel Angle Sensor Position (°)
Steering Wheel Climate Control Input (A/D counts)
Steering Wheel Controls (Yes (True) / No (False))
Steering Wheel: ASM (Auto Shift Mode)button is pushed. (Yes (True) / No (False))
Steering Wheel: Gear Down button is pushed. (Yes (True) / No (False))
Steering Wheel: Gear Up button is pushed. (Yes (True) / No (False))
Steering Wheel: SSM (Select Shift Mode)button is pushed. (Yes (True) / No (False))
Stepper Motor Software Position (Counts)
Stop Light Switch (Active / Inactive)
Stoplamp Relay Coil Driver (On / Off)
Store Button (Active / Inactive)
Stored Memory Position for Headrest Memory 1 (A/D counts)
Stored Memory Position for Memory 2 (A/D counts)
Strategy is operating in failure mode (Air Conditioning off)due to missing AC Request message
(Yes (True) / No (False))
Sub-Processor / Satellite Micro Device #1
Sub-Processor / Satellite Micro Device #2
Sub-Processor / Satellite Micro Device #3
Sub-Processor / Satellite Micro Device #1 Software ID
Sub-Processor / Satellite Micro Device #3 Software ID
Sub-Processor / Satellite Micro Device #4
Sub-Processor / Satellite Micro Device #4 Software ID

Sub-Processor / Satellite Mirco Device #2 Software ID
Substitute function for ABS signals (Active / Inactive)
Substitute signal for BOO (Brake On Off)(Active / Inactive)
Substitute signal for OSS (Output Shaft Speed)(Active / Inactive)
Substitute value for APP (Accelerator Pedal Position)(Active / Inactive)
Substitute value for AWD (All Wheel Drive)Torque (Active / Inactive)
Substitute value for Cruise control (Active / Inactive)
Substitute value for drive direction (Active / Inactive)
Substitute value for Engine speed (Active / Inactive)
Substitute value for engine temperature (Active / Inactive)
Substitute value for Engine Torque (Active / Inactive)
Substitute value for front wheel speed signal (Active / Inactive)
Substitute value for Pressure Control A (Active / Inactive)
Substitute value for Pulley 1 Speed (Active / Inactive)
Substitute value for Pulley 2 Pressure (Active / Inactive)
Substitute value for Ratio control (Active / Inactive)
Substitute value for rear wheel speed signal (Active / Inactive)
Substitute value for TFT (Transmission Fluid Temperature)(Active / Inactive)
Substitute value for turbine speed (Active / Inactive)
Substitute value for very low ratio control (Active / Inactive)
Substitute value for wheel speed signal (Active / Inactive)
Substitute value GSM (Gear Shift Module)(Active / Inactive)
Subwoofer Amplifier (Yes (True) / No (False))
Sump over temperature events
Sump temperature (°C)
Sun Load Temperature (°C)
Sunload Sensor A/D Range (Counts)
Sunload Sensor A/D Range (Passenger)(Counts)
Supercharger Bypass Control Output Fault Detected (Yes (True) / No (False))
Supercharger/Turbocharger Inlet Pressure Sensor input voltage (V)
Supply Battery (Battery Voltage)(Counts)
Supply Volts Within Limit (Yes (True) / No (False))
Suppressor Left - Loop 1 (Yes (True) / No (False))
Suppressor Left - Loop 1 (Yes (True) / No (False))
Suppressor Left - Loop 2 (Yes (True) / No (False))
Suppressor Left - Loop 2 (Yes (True) / No (False))
Suppressor Left Circuit Resistance- Loop #1 (Ohms)
Suppressor Left Circuit Resistance- Loop #2 (Ohms)
Suppressor Right - Loop 1 (Yes (True) / No (False))
Suppressor Right - Loop 1 (Yes (True) / No (False))
Suppressor Right - Loop 2 (Yes (True) / No (False))
Suppressor Right - Loop 2 (Yes (True) / No (False))
Suppressor Right Circuit Resistance- Loop #1 (Ohms)
Suppressor Right Circuit Resistance- Loop #2 (Ohms)
SWA #1 Input Open Circuit (Yes (True) / No (False))
SWA #1 Input Short to Battery (Yes (True) / No (False))
SWA #1 Input Short to Ground (Yes (True) / No (False))
SWA #1 Input State (High / Low)
SWA #2 Input Open Circuit (Yes (True) / No (False))
SWA #2 Input Short to Battery (Yes (True) / No (False))
SWA #2 Input Short to Ground (Yes (True) / No (False))

SWA #2 Input State (High / Low)
Switch Idle (Yes (True) / No (False))
Switch Lockout (Active / Inactive)
Switch State (Lock(ed) / Unlock(ed))
Switch State (On / Off)
Switch System Supply (input)(On / Off)
Switch Test Signal (On / Off)
Switch Test Signal (On / Off)
Switch Test Signal Output (Yes (True) / No (False))
Switch Test Signal Output State (Active / Inactive)
Switch Test Signal State (Active / Inactive)
Synchro position gear 1 (Learnt / Not Learnt)
Synchro position gear 2 (Learnt / Not Learnt)
Synchro position gear 3 (Learnt / Not Learnt)
Synchro position gear 4 (Learnt / Not Learnt)
Synchro position gear 5 (Learnt / Not Learnt)
System Battery Voltage #4 (V)
System Battery Voltage #5 (V)
System Battery Voltage (custom)(V)
System Battery Voltage Potential (Yes (True) / No (False))
System Battery Voltage Value #1 (1/10)(V)
System Battery Voltage Value #2 (custom)(V)
System Battery Voltage Value #3 (1/16)(V)
System Check Switch (Active / Inactive)
System in Firm due to Body Acceleration (Yes (True) / No (False))
System LED (Active / Inactive)
Tachometer gauge pointer placement (RPM)
Tailgate Ajar (Open / Close(d))
Tailgate Ajar SW (Open / Close(d))
Tailgate Down Activated (Yes (True) / No (False))
Tailgate or Hood ATI (Active / Inactive)
Tailgate Release (On / Off)
Tailgate Release Switch (Active / Inactive)
Tailgate SW (On / Off)
Tailgate Up Activated (Yes (True) / No (False))
Talk Button (Active / Inactive)
Tape Deck (Yes (True) / No (False))
Tape Switch (Active / Inactive)
Target Angle #2 (°)
Target Angle (°)
Target Modifier Pressure (kPa)
Target Range (m)
Target Range Rate (km/hour)
Target torque (NM Torque)
Taxi Mode (Enable(d) / Disable(d))
TBC Gain Switch Actuated Negative (On / Off)
TBC Gain Switch Actuated Positive (On / Off)
TC or TC/YC Function Available State, Status (On / Off)
TC or TC/YC Switch, Push Button, Input Status (Down / Up)
TC/IVD/RSC Indicator (Active / Inactive)
TC/IVD/RSC OFF Indicator (Active / Inactive)

TCC (Torque Converter Clutch)always open (Active / Inactive)
TCM (Yes (True) / No (False)
TCM (Yes (True) / No (False)
TCS Priming Valve 1 (LF and RR)(Active / Inactive)
TCS Priming Valve 2 (LR and RF)(Active / Inactive)
TCS State (On / Off)
TCS Switching Valve 1 (LF and RR)(Active / Inactive)
TCS Switching Valve 2 (LR and RF)(Active / Inactive)
TCU (Throttle Control Unit)Detected Loss of Throttle Spring (Yes (True) / No (False)
TCU (Throttle Control Unit)Failed Self Test (Yes (True) / No (False)
TCU (Throttle Control Unit)Unable to Control to Desired Throttle Angle (Yes (True) / No (False)
Temp - (Active / Inactive)
Temp (Active / Inactive)
Temperature Decrement (On / Off)
Temperature Decrement (On / Off)
Temperature Down (Active / Inactive)
Temperature Gauge Pointer Position (%)
Temperature Increment (On / Off)
Temperature Increment (On / Off)
Temperature knob position (Counts)
Temperature Sensor Input #1 (°F)
Temperature Sensor Input #2 (°F)
Temperature Up (Active / Inactive)
Territory Octane
Test Audio Signal (Active / Inactive)
Test Complete (Yes (True) / No (False)
Test Front Left Failure (Yes (True) / No (False)
Test Front Right Failure (Yes (True) / No (False)
Test Rear Left Failure (Yes (True) / No (False)
Test Rear Right Failure (Yes (True) / No (False)
Text/Scan (Active / Inactive)
The actual position in crankshaft degrees of the right or number 1 camshaft for VCT (Variable Camshaft Timing) , where zero is the base camshaft timing. (deg)
The assembly line Fuel Priming Tool should use a specific procedure. (For assembly plant use only.)(Yes (True) / No (False)
The fuel water separator has detected Water In Fuel (WIF). (Yes (True) / No (False)
The Kickdown Input Indicates a Kickdown is Occurring (Yes (True) / No (False)
The Octane Adjust function has been activated (Yes (True) / No (False)
Thermostat Heater Control duty cycle (% Duty Cycle)
Three-Way Valve Relay (Cabin / Battery)
Throttle Angle desired (°)
Throttle Angle measured (°)
Throttle Mode
Throttle Mode Flag
Throttle Position (%)
Throttle Position at the time of misfire (A/D Counts)
Throttle Position raw signal (A/D counts)
Throttle Position Relative to Closed Throttle (A/D Counts)
Throttle Position Sensor #1 voltage (V)
Throttle Position Sensor #2 voltage (V)
Throttle Position Status (Counts)

TIC #1 Out of Sync (Yes (True) / No (False))
TIC #10 Out of Sync (Yes (True) / No (False))
TIC #2 Out of Sync (Yes (True) / No (False))
TIC #3 Out of Sync (Yes (True) / No (False))
TIC #4 Out of Sync (Yes (True) / No (False))
TIC #5 Out of Sync (Yes (True) / No (False))
TIC #6 Out of Sync (Yes (True) / No (False))
TIC #7 Out of Sync (Yes (True) / No (False))
TIC #8 Out of Sync (Yes (True) / No (False))
TIC #9 Out of Sync (Yes (True) / No (False))
Tilt-Switch Status (active / inactive)
Time elapsed from the 10% shift complete time to the 90% shift complete time for PID 1931.
(sec)
Time elapsed from the time the shift is commanded to the 10% shift complete time for PID 1931.
(sec)
Time period from last PIP up edge to last PIP down edge, in seconds. (s)
Time period of the last PIP half period, whether high PIP or low PIP. (s)
Time since Start (s)
Timeout - One Touch Window Motor (Module time units (MTU))
Tip- (On / Off)
Tip+ (On / Off)
Tire Pressure (Active / Inactive)
Tire Pressure Monitor System (TPMS)(Active / Inactive)
Tire Size active (revs/mile)
TL Upper Latch Motor neg. (High / Low)
TL Upper Latch Motor pos. (High / Low)
Tone request - Airbag fault warning (Active / Inactive)
Tone Request (Yes (True) / No (False))
Tone Request Battery Short (Yes (True) / No (False))
Tone Request Ground Short (On / Off)
Tone Request Open Circuit (Yes (True) / No (False))
Top Horizontal (7-Segment)(Enable(d) / Disable(d))
Top Left Vertical (7-Segment)(Enable(d) / Disable(d))
Top Right Vertical (7-Segment)(Enable(d) / Disable(d))
Top Striker Switch (On / Off)
Torque Converter Clutch (TCC)solenoid inductive signature malfunction detected (Yes (True) /
No (False))
Torque Converter Clutch Circuit Monitor High (Yes (True) / No (False))
Torque Converter Clutch Output Fault Detected (Yes (True) / No (False))
Torque Converter Clutch Output State Monitor raw signal (Counts)
Torque Converter Clutch Solenoid commanded current (A)
Torque Converter Control commanded pressure (PSI)
Torque Converter desired slip (RPM)
Torque Converter desired slip (RPM)
Torque Converter measured slip (RPM)
Torque Converter net input torque (Foot-lbs)
Torque Converter Turbine Speed (adjusted for chain Ratio)(RPM)
Torque limit (NM Torque)
Torque Modulation Requested by Trans Controller (Yes (True) / No (False))
Torque set point (NM Torque)
Torque Converter Clutch Solenoid Failure (Yes (True) / No (False))

'Total' Command (Enable(d) / Disable(d))
Total Distance Traveled During This Trip (km)
Touch screen (Yes (True) / No (False))
Tow Haul Indicator (Active / Inactive)
Tow Haul Indicator (Active / Inactive)
Tow Haul Indicator (Enable(d) / Disable(d))
TP_B: Absolute Throttle Position B. See Annex B of ISO 15031-5 for full specification. (%)
TP_R: Relative or Learned Throttle Position. See Annex B of ISO 15031-5 for full specification. (%)
TPM (Tire Pressure Monitor)(Yes (True) / No (False))
TPM (Tire Pressure Monitor)(Yes (True) / No (False))
TPMS Last Warning Event#1-Mileage (km)
TPMS Last Warning Event#1-Speed (km/h)
TPMS Last Warning Event#2-Mileage (km)
TPMS Last Warning Event#2-Speed (km/h)
TPMS Last Warning Event#3-Mileage (km)
TPMS Last Warning Event#3-Speed (km/h)
TPMS Last Warning Event#4-Mileage (km)
TPMS Last Warning Event#4-Speed (km/h)
TPS (Throttle Position Sensor)does not track IPE (Inductive Position Encoder)(Yes (True) / No (False))
TPS (Throttle Position Sensor)out-of-range (Yes (True) / No (False))
Tr Tow Lt Stop Turn Relay FB (Active / Inactive)
Tr Tow Rt Stop Turn Relay FB (Active / Inactive)
TR1_V - Transmission Range Selector 1 (TRS1)voltage (V)
TR2_V - Transmission Range Selector 2 (TRS2)voltage (V)
TR3_V - Transmission Range Selector 3 (TRS3)voltage (V)
Traction Assist Active Indicator (Enable(d) / Disable(d))
Traction Assist Override Switch (Enable(d) / Disable(d))
Traction Battery Negative Current Limit (A)
Traction Battery Positive Current Limit (A)
Traction Battery Voltage Limit Maximum (V)
Traction Battery Voltage Limit Minimum (V)
Traction Control (Active / Inactive)
Traction Control (TC)or Interactive Vehicle Dynamics (IVD)or Ride Stability Control (RSC)Event or Fault (Active / Inactive)
Traction Control (TC)or Interactive Vehicle Dynamics (IVD)or Ride Stability Control (RSC)OFF Indication (Active / Inactive)
Traction Control 'ACTIVE' Indicator Driver Open Circuit (Yes (True) / No (False))
Traction Control 'ACTIVE' Indicator Driver Output State (On / Off)
Traction Control 'ACTIVE' Indicator Driver Short to Battery (Yes (True) / No (False))
Traction Control 'ACTIVE' Indicator Driver Short to Ground (Yes (True) / No (False))
Traction Control Enable Switch (Active / Inactive)
Traction Control is Available (Yes (True) / No (False))
Traction Control Left Control Valve Driver Open Circuit (Yes (True) / No (False))
Traction Control Left Control Valve Driver Output State (On / Off)
Traction Control Left Control Valve Driver Short to Battery (Yes (True) / No (False))
Traction Control Left Control Valve Driver Short to Ground (Yes (True) / No (False))
Traction Control 'OFF' Indicator Driver Open Circuit (Yes (True) / No (False))
Traction Control 'OFF' Indicator Driver Short to Battery (Yes (True) / No (False))
Traction Control 'OFF' Indicator Driver Short to Ground (Yes (True) / No (False))

Traction Control Off Indicator Status (On / Off)
Traction Control Right Control Valve Driver Open Circuit (Yes (True) / No (False))
Traction Control Right Control Valve Driver Output State (On / Off)
Traction Control Right Control Valve Driver Short to Battery (Yes (True) / No (False))
Traction Control Right Control Valve Driver Short to Ground (Yes (True) / No (False))
Traction Control Set Indicator (Enable(d) / Disable(d))
Traction Control System Active (Yes (True) / No (False))
Traction Control System Brake Intervention Events
Traction Control System Engine Intervention Events
Traction Control System Off (Yes (True) / No (False))
Traction Main Current (A)
Traction Positive Main Contactor Input Fault (Yes (True) / No (False))
Traction Positive Main Contactor Input Status (Enable(d) / Disable(d))
Traction Positive Main Contactor Output Fault (Yes (True) / No (False))
Traction Positive Main Contactor Output Status (Enable(d) / Disable(d))
Traction Pre-Charge Contactor Input Fault (Yes (True) / No (False))
Traction Pre-Charge Contactor Input Status (Enable(d) / Disable(d))
Traction Pre-Charge Contactor Output Fault (Yes (True) / No (False))
Traction Pre-Charge Contactor Output Status (Enable(d) / Disable(d))
Traction signal pulse width, in percent (from the traction control module). (%)
Traffic (detour)(Yes (True) / No (False))
Traffic Announcement Switch (Active / Inactive)
Trafficmaster fitted (Present / Not Present)
Trailer Attached (Yes (True) / No (False))
Trailer Brake Controller (TBC)(Yes (True) / No (False))
Trailer Brake Controller (TBC)(Yes (True) / No (False))
Trailer Brake Controller Gain Setting
Trailer Brake Controller Gain Setting (%)
Trailer Brake Controller Output (V)
Trailer Brake Lamps (On / Off)
Trans Control Button Depressed (Yes (True) / No (False))
Trans Control Indicator Light (On / Off)
Trans Control Indicator Light Fault Detected (Yes (True) / No (False))
Transfer Case Neutral (Neutral / Not Neutral)
Transit Mode Off (Active / Inactive)
Transmission Clutch Interlock Switch (Active / Inactive)
Transmission Configuration Message(s)Received (Yes (True) / No (False))
Transmission Control Module Request Wrench Telltale (Yes (True) / No (False))
Transmission Fluid Temperature (°C)
Transmission Fluid Temperature (°C)
Transmission Fluid Temperature (V)
Transmission Fluid Temperature raw signal (A/D counts)
Transmission Gear commanded
Transmission Gear Ratio
Transmission in Reverse (Yes (True) / No (False))
Transmission Intermediate Shaft Speed raw sensor signal (RPM)
Transmission is Overtemp (Yes (True) / No (False))
Transmission Main Line Pressure desired (PSI)
Transmission Output Shaft Speed (RPM)
Transmission Overdrive Drum Speed. (RPM)
Transmission Pressure Control A (PCA)measured pressure (PSI)

Transmission Pressure Control B (PCB)measured current (A)
Transmission Pressure Control C (PCC)measured current (A)
Transmission Pressure Control C (PCC)measured pressure (PSI)
Transmission Range Sensor
Transmission Range Sensor duty cycle (%)
Transmission Range Sensor signal frequency (Hz)
Transmission Range Sensor voltage (V)
Transmission Select Lever in Driver Position (Yes (True) / No (False))
Transmission Select Lever in First Gear Position (Yes (True) / No (False))
Transmission Select Lever in Park Position (Yes (True) / No (False))
Transmission Select Lever in Reverse Position (Yes (True) / No (False))
Transmission Select Lever in Second Gear Position (Yes (True) / No (False))
Transmission Shift Solenoid F Pressure Control (SS-F/SSF_PC)commanded pressure (PSI)
Transmission Transfer Case Front Output Shaft Speed (KPH)
Transmission Transfer Case Mechanical Lock Circuit Open (Yes (True) / No (False))
Transmission Transfer Case Mechanical Lock Output Status (Active / Inactive)
Transmission Transfer Case Mechanical Lock Short to Battery (Yes (True) / No (False))
Transmission Transfer Case Mechanical Lock Short to Ground (Yes (True) / No (False))
Transmission Transfer Case Rear Output Shaft Speed (KPH)
Transmission Type Mismatch (Yes (True) / No (False))
Transmit Received After Learn (Yes (True) / No (False))
Transmit Received After Learn (Yes (True) / No (False))
Transmit Received After Learn (Yes (True) / No (False))
Transmit Received After Learn (Yes (True) / No (False))
Transmit Received After Learn (Yes (True) / No (False))
Transponder Fault - Memory Fault (Yes (True) / No (False))
Transponder Fault (Yes (True) / No (False))
Transponder Message Incorrect Format - Memory Fault (Yes (True) / No (False))
Transponder Message Incorrect Format (Yes (True) / No (False))
Transponder Signal Missing - Memory Fault (Yes (True) / No (False))
Transponder Signal Missing (Yes (True) / No (False))
Travel Direction Plausibility Test Complete Status (Yes (True) / No (False))
Travel Direction Plausibility Test Passed Status (Yes (True) / No (False))
Treble Switch (Active / Inactive)
'TRIP' (Enable(d) / Disable(d))
Trip A/B Switch (Active / Inactive)
Trip Computer Range - Metric (km)
Trip Reset (Active / Inactive)
Trip Switch (Active / Inactive)
Trip Travel Time (Minutes)
TRIP/ODO Button Pressed (Active / Inactive)
TRS input is permitting starter motor operation. (In good enough Park or Neutral to start engine).
(Yes (True) / No (False))
Trunk Lamp (Active / Inactive)
Trunk Lamp FB (Active / Inactive)
Trunk Lock Button (Active / Inactive)
Trunk motor output feedback (Active / Inactive)
Trunk Opener Inhibit (Active / Inactive)
Trunk Release Input Switch (Active / Inactive)
Trunk Release Input Switch (Active / Inactive)
Trunk Release Input Switch (Active / Inactive)

Trunk SW/Liftgate Switch (Door Switch)(On / Off)
Trunk Switch (On / Off)
Trunk Window Unlock Switch (Active / Inactive)
Trunk/Lift Gate Reuquest Switch (On / Off)
Tune Decrease Switch (Active / Inactive)
Tune DOWN (Active / Inactive)
Tune Increase Switch (Active / Inactive)
Tune Up (Active / Inactive)
Tuner/DSP Error (Yes (True) / No (False))
Turbine Shaft Speed (RPM)
Turbine Shaft Speed (RPM)
Turbo Boost Gauge Pointer Placement (kPa)
Turbo Boost Gauge Pointer Placement (PSI)
Turn Indicator SW Left (On / Off)
Turn Indicator SW Right (On / Off)
Turn on/off Trailer Connect LED (On / Off)
Turn on/off Trailer Disconnect LED (On / Off)
Turn signal Chime (Active / Inactive)
Turn Signal Clack (turn signal TT off)Chime (Enable(d) / Disable(d))
Turn Signal Clack Chime (Active / Inactive)
Turn Signal Click (turn signal TT on)Chime (Enable(d) / Disable(d))
Turn Signal Click Chime (Active / Inactive)
Turn Signal Driver Output Battery Short (Yes (True) / No (False))
Turn Signal Driver Output Ground Short (Yes (True) / No (False))
Turn Signal Driver Output Open Circuit (Yes (True) / No (False))
Turn Signal Driver Output State (Active / Inactive)
Turn Signal Indicators LH (On / Off)
Turn Signal Indicators RH (On / Off)
Turn Signal Left On Warning Chime (Enable(d) / Disable(d))
Turn Signal Left On Warning Chime Status (Active / Inactive)
Turn Signal Power Feed (1=Vbat, 0=Open/Gnd)(Active / Inactive)
Turn signal shimer output feedback (Active / Inactive)
TV Fitted (Present / Not Present)
TV Pressure (PSI)
Two Speed Rear Axle Switch (Low Range / Normal Range)
u-alarm (Ultrasonic Alarm)(input)(On / Off)
Ultrasonic Disturbance Detected (Yes (True) / No (False))
Undercharged Battery Pack Fault (Yes (True) / No (False))
Understeering Brake Intervention Events
Understeering Engine Intervention Events
Unfiltered Output Shaft Speed (OSS)from the Sensor (RPM)
Unknown Data (Yes (True) / No (False))
Unknown TV Type (Present / Not Present)
Unlatch Actuator Status (Active / Inactive)
Unlimited Transponder Security Key ID
Unlock (Active / Inactive)
Unlock (Active / Inactive)
Unlock Convertor for Traction Control (Yes (True) / No (False))
Unlock Drvr Door Rly FB (Active / Inactive)
Unlock Other Doors Rly FB (Active / Inactive)
Unlock Select Switch (Active / Inactive)

Unlock SW (On / Off)
Unrecognised Key - Memory Fault (Yes (True) / No (False))
Unrecognised Key (Yes (True) / No (False))
Unused (--- / x)
Unused (--- / x)
Unused (--- / x)
Unused (--- / x)
Unused (--- / x)
UP ARROW Button Pressed (Active / Inactive)
Upper and Lower Limits - Power Window Motor Current (A)
Upstream HEGO Heaters OFF (Yes (True) / No (False))
Upstream HEGO Heaters OFF (Yes (True) / No (False))
Up-Switch Status (active / inactive)
US TV Fitted (Present / Not Present)
USB Device #1 Connected (Yes (True) / No (False))
USB Device #2 Connected (Yes (True) / No (False))
Vacuum Pressure (kPa)
Vacuum Solenoid Open to Intake Manifold (Yes (True) / No (False))
Valet Mode Switch (On / Off)
Valve Calibration Completed Status (Yes (True) / No (False))
Valve Calibration Done (Yes (True) / No (False))
Valve Calibration Failed (Yes (True) / No (False))
Valve Calibration Pending (Yes (True) / No (False))
Valve Calibration Undefined (Yes (True) / No (False))
Valve Characteristic Signal, where 1 bit = 524288, and units are: $\sqrt{\text{Pascals}/(\text{m}^{**3}/\text{sec})}$
Valve Current - actual (mA)
Vapor Management Valve Circuit High (Yes (True) / No (False))
Vapor Management Valve Output State Monitor raw signal (Counts)
VAPS (Yes (True) / No (False))
VAPS (Yes (True) / No (False))
VAPS Driver Open Circuit (Yes (True) / No (False))
VAPS Driver Output State (On / Off)
VAPS Driver Short to Battery (Yes (True) / No (False))
VAPS Driver Short to Ground (Yes (True) / No (False))
VAPS Feedback Short to Ground (Low Side)(Yes (True) / No (False))
Variable Assist Power Steering Input Current (% full load)
Variable Assist Power Steering Input Current (Counts)
Variable Assist Power Steering Output Value (% full)
Variable Assist Power Steering Output Value (Counts)
Variable Cam Timing Bank 1 Fault Detected (Yes (True) / No (False))
Variable Cam Timing Bank 2 Fault Detected (Yes (True) / No (False))
Variable Camshaft Timing #2 (VCT2)Measured Advance from DESIRED Timing, in Crankshaft Degrees (°)
Variable Camshaft Timing #2 (VCT2)Measured Retard from BASE Timing, in Crankshaft Degrees (°)
Variable Geometry Turbocharger (or Supercharger)measured position (%)
Variable Geometry Turbocharger (VGT)(or Supercharger)Ouput Fault Detected (Yes (True) / No (False))
Variable Speed Fan 2 output duty cycle (%)
Variable Speed Fan duty cycle (%)
Variable Speed Fan level (%)

Variable Valve Timing Advance (°)
Variator limp home mode (Active / Inactive)
Vbatt 2 (Active / Inactive)
VDM (Vehicle Dynamics Module)(Yes (True) / No (False))
VDM (Vehicle Dynamics Module)(Yes (True) / No (False))
Vehicle air fan (On / Off)
Vehicle- Configuration Incorrect (OCS installed but NOT expected)(Yes (True) / No (False))
Vehicle- Configuration Incorrect (PADI installed but NOT expected)(Yes (True) / No (False))
Vehicle Dynamics Module (VDM)\$20 (Yes (True) / No (False))
Vehicle Emergency messaging system (VEMS)fitted (Present / Not Present)
Vehicle Enable Flag (Active / Inactive)
Vehicle Handling Switch (Active / Inactive)
vehicle horn (Active / Inactive)
Vehicle Horn (On / Off)
Vehicle ID Voltage #1 (V)
Vehicle ID Voltage #2 (V)
Vehicle ID Voltage #3 (V)
Vehicle in Speed Control (Yes (True) / No (False))
Vehicle Odometer (km)
Vehicle Odometer (Miles)
Vehicle Overspeed Warning Status (Enable(d) / Disable(d))
Vehicle Security Module (VSM)\$C1 (Yes (True) / No (False))
Vehicle Speed - High Resolution (KPH)
Vehicle Speed - Low Resolution (KPH)
Vehicle Speed Above Activation Threshold (Yes (True) / No (False))
Vehicle Speed Above Deactivation Threshold (Yes (True) / No (False))
Vehicle speed at the time of misfire (mph)
Vehicle Speed Control (VSC)Indicator Lamp Commanded ON (typically indicates VSC Engaged)(Yes (True) / No (False))
Vehicle Speed is Above High Threshold (Yes (True) / No (False))
Vehicle Speed is Below Low Threshold (Yes (True) / No (False))
Vehicle Speed Low Resolution (MPH)(MPH)
Vehicle Speed Setting (MPH)
Vehicle Speed Signal (Yes (True) / No (False))
Vehicle Speed Signal (Yes (True) / No (False))
Vehicle Speed Signal (Yes (True) / No (False))
Vehicle Trip Odometer - B - English (Miles)
Vehicle Trip Odometer - B - Metric (km)
Vehicle Trip Odometer - English (Miles)
Vehicle Trip Odometer - Metric (km)
Vehicle Trip Odometer (km)
Vehicle Trip Odometer B (km)
Vehicle Type Mismatch (Yes (True) / No (False))
VEMS / TCU (Telematics Control Unit)(Yes (True) / No (False))
VEMS/TCU (Telematics Control Unit)(Yes (True) / No (False))
Vent (Panel)(On / Off)
Vent Solenoid Open to Atmosphere (Yes (True) / No (False))
Vent Solenoid Output Open Circuit (Yes (True) / No (False))
Vent Solenoid Output Short to Battery (Yes (True) / No (False))
Vent Solenoid Output Short to Ground (Yes (True) / No (False))
Vent Solenoid Output Status (Open / Close(d))

Vent Solenoid Supply short to battery (Yes (True) / No (False))
Vent Solenoid Supply short to ground (Yes (True) / No (False))
Vertical Acceleration - Left Front (Counts)
Vertical Acceleration - LF (m/s²)
Vertical Acceleration - Rear (Counts)
Vertical Acceleration - Rear (m/s²)
Vertical Acceleration - RF (m/s²)
Vertical Acceleration - Right Front (Counts)
Vertical Height Down Switch (Active / Inactive)
Vertical Height Down Switch (Active / Inactive)
Vertical Height Down Switch (Active / Inactive)
Vertical Height Up Switch (Active / Inactive)
Vertical Height Up Switch (Active / Inactive)
Vertical Height Up Switch (Active / Inactive)
Vertical Position Sensor Present (Yes (True) / No (False))
Vertical Position Sensor Present (Yes (True) / No (False))
Very High Speed Fan (VHSF)Commanded ON (Yes (True) / No (False))
Very High Speed Fan (VHSF)Output Fault Detected (Yes (True) / No (False))
VID ID Mismatch (Yes (True) / No (False))
VID ID Mismatch (Yes (True) / No (False))
Video Source (Active / Inactive)
VIN Comparison Complete (Yes (True) / No (False))
VIN Message(s)Received (Yes (True) / No (False))
Virtual information control system (VICS)fitted (Present / Not Present)
Voice (Active / Inactive)
Voice Button Left (Active / Inactive)
Voice Button Right (Active / Inactive)
Voice recognition fitted (Present / Not Present)
Vol - (Active / Inactive)
Vol + (Active / Inactive)
Vol. - Button (Active / Inactive)
Vol. + Button (Active / Inactive)
Voltage at Headrest Potentiometer-Feed (V)
Voltage at Headrest Potentiometer-Ground (V)
Voltage at Headrest Potentiometer-Reference (V)
Voltage at Headrest Relay Output 'DOWN' (V)
Voltage at Headrest Relay Output 'UP' (V)
Voltage from shift control switches (usually located on the steering wheel). (V)
Voltmeter Gauge Pointer Placement (V)
Volume - Switch (Active / Inactive)
Volume + Switch (Active / Inactive)
Volume Control Rotary Position
Volume Decrease Switch (Active / Inactive)
Volume Increase Switch (Active / Inactive)
VPWR: Control module voltage. See Annex B of ISO 15031-5 for full specification. (V)
VSM (Vehicle Security Module)(Yes (True) / No (False))
VSM (Vehicle Security Module)(Yes (True) / No (False))
VSS (vehicle speed)(Counts)
VSS > 6 MPH (Yes (True) / No (False))
VT Sensor #1 Communications Fault (Yes (True) / No (False))
VT Sensor #1 Internal Minor Fault (Yes (True) / No (False))

VT Sensor #1 Internal Severe Fault (Yes (True) / No (False))
VT Sensor #1 Module Voltage Sense Line Fault (Yes (True) / No (False))
VT Sensor #1 Pack Voltage Sense Line Fault (Yes (True) / No (False))
VT Sensor #1 Reference Wire Fault (Yes (True) / No (False))
VT Sensor #1 Top/Bottom Wire Fault (Yes (True) / No (False))
VT Sensor #2 Communications Fault (Yes (True) / No (False))
VT Sensor #2 Internal Minor Fault (Yes (True) / No (False))
VT Sensor #2 Internal Severe Fault (Yes (True) / No (False))
VT Sensor #2 Module Voltage Sense Line Fault (Yes (True) / No (False))
VT Sensor #2 Pack Voltage Sense Line Fault (Yes (True) / No (False))
VT Sensor #2 Reference Wire Fault (Yes (True) / No (False))
VT Sensor #2 Top/Bottom Wire Fault (Yes (True) / No (False))
Wagon / Sedan Mode (Wagon / Sedan)
WARM_UPS: Number of warm-ups since DTCs cleared. See Annex B of ISO 15031-5 for full specification.
Warmup signal (On / Off)
Warning Indicator Status (Active / Inactive)
Warning Lamp Has Been Activated (Yes (True) / No (False))
Warning Lamp Status (On / Off)
Washer Fluid Lamp Driver Open Circuit (Yes (True) / No (False))
Washer Fluid Lamp Driver Output State (On / Off)
Washer Fluid Lamp Driver Short to Battery (Yes (True) / No (False))
Washer Fluid Lamp Driver Short to Ground (Yes (True) / No (False))
Washer Fluid Level (OK / Low)
Washer Pump Driver Open Circuit (Yes (True) / No (False))
Washer Pump Driver Output State (On / Off)
Washer Pump Driver Short to Battery (Yes (True) / No (False))
Washer Pump Driver Short to Ground (Yes (True) / No (False))
Washer Pump Switch (Active / Inactive)
Watchdog Input from Injection Pump Control Module (IPCM)Input Voltage Level (High / Low)
Water in Diesel Fuel (Active / Inactive)
Water Jacket Supplementary Heater 1 Commanded State (On / Off)
Water Jacket Supplementary Heater 2 Commanded State (On / Off)
Water Pump (On / Off)
Water pump (On / Off)
Water Pump Relay (Close / Open)
Weak or Defective Electric Vehicle Battery Pack Fault (Yes (True) / No (False))
Wide Range O2S Bank 1 Sensor 1 impedance expressed as a voltage (V)
Wide Range O2S Bank 2 Sensor 1 impedance expressed as a voltage (V)
Window Driver Open Circuit (Yes (True) / No (False))
Window Driver Output State (Enable(d) / Disable(d))
Window Driver Short to Battery (Yes (True) / No (False))
Window Driver Short to Ground (Yes (True) / No (False))
Window Motor Driver's Temperature Sensor (A/D)(A/D counts)
Window Up Driver Open Circuit (Yes (True) / No (False))
Window Up Driver Output State (Enable(d) / Disable(d))
Window Up Driver Short to Battery (Yes (True) / No (False))
Window Up Driver Short to Ground (Yes (True) / No (False))
Windshield Wiper Park-to-Park Time (Module time units (MTU))
Winter Mode Selected Switch (Yes (True) / No (False))
Wiper in Park Position (Yes (True) / No (False))

Wiper in park position (Yes (True) / No (False))
Wiper Motor Status (Active / Inactive)
Wiper Run Driver Open Circuit (Yes (True) / No (False))
Wiper Run Driver Output State (On / Off)
Wiper Run Driver Short to Battery (Yes (True) / No (False))
Wiper Run Driver Short to Ground (Yes (True) / No (False))
Wiper Two Speed Driver Open Circuit (Yes (True) / No (False))
Wiper Two Speed Driver Output State (On / Off)
Wiper Two Speed Driver Short to Battery (Yes (True) / No (False))
Wiper Two Speed Driver Short to Ground (Yes (True) / No (False))
Wipers ON (Active / Inactive)
Wrong BCM Hardware Installed (Yes (True) / No (False))
X Button (Active / Inactive)
X Button (Active / Inactive)
X Button (Active / Inactive)
YAW Rate Sensor #2 (Degrees / Second)
Yaw rate sensor (Degrees / Second)
Yaw Rate Sensor Initialization Complete (Yes (True) / No (False))
Yaw Rate Sensor Initialization Start (Yes (True) / No (False))
Yaw Rate Sensor Initialization Start (Yes (True) / No (False))
YAW Rate Sensor Input Open Circuit (Yes (True) / No (False))
YAW Rate Sensor Input Short to Battery (Yes (True) / No (False))
YAW Rate Sensor Input Short to Ground (Yes (True) / No (False))
Yaw Rate Value #2 (Radians / sec)
Yaw Rate Value (Counts)
Yellow Fault Warning Lamp Indicator Driver (On / Off)