

PV100/PV101 Implementation of SAE J1939 Parameters*

Source: SAEJ1939-71 Surface Vehicle Recommended Practice

| Description | PGN | Parameter | Display Value |
|---------------------------------------|-------------------------|--|---|
| Elec Eng Cont #2 - EEC2 | 61443 | Accelerator Pedal Position Percent Load at Current RPM | THROTTLE LOAD@RPM |
| Elec Eng Cont #1 - EEC1 | 61444 | Actual engine % torque Engine Speed | ENG TORQ ENG RPM |
| Engine hours, Revolutions | 65253 | Total Engine Hours | ENG HRS |
| Fuel Consumption | 65257 | Trip Fuel Total Fuel Used | TRIP FUEL FUEL USED |
| Engine Temperature | 65262 | Engine Coolant Temp Fuel Temperature Engine Oil Temperature Engine Intercooler Temperature | COOL TEMP FUEL TEMP OIL TEMP INTC TEMP |
| Engine Fluid Level/Pressure | 65263 | Fuel Delivery Pressure Engine Oil Level Engine Oil Pressure Coolant Pressure Coolant Level | FUEL PRES OIL LVL OIL PRES COOL PRES COOL LVL |
| Fuel Economy | 65266 | Fuel Rate Instantaneous Fuel Economy Average Fuel Economy | FUEL RATE FUEL ECON AUG ECON |
| Ambient Conditions | 65269 | Barometric Pressure Air Inlet Temperature | BARO PRES AIR IN TP |
| Inlet/Exhaust Conditions | 65270 | Boost Pressure Intake Manifold Temp Air Filter Differential Pressure Exhaust Gas Temperature | BST PRES MANI TEMP AIR DIF PR EXH TEMP |
| Engine Fluid Level/Pressure #2 | 65243 | Injector Metering Rail 1 Pres Injector Metering Rail 2 Pres | INJ PRES1 INJ PRES2 |
| Fan Drive-FD | 65213 | Estimated Percent Fan Speed | FAN SPD |
| Diagnostic Messages | 65226 65227 65228 | DM1 - Active Diagnostic DM2 - Previously Act Diag Codes DM3 - Diagnostic Clear | SRVCCODE STORCODE |
| Machine Hours (PowerView Calculated) | N/A | Machine Hours | MACH HRS |
| Engine Conf. | 65251 | Engine Configuration | ENG CONF |
| Hydraulic Pressure Governor Info-HPG | 61448 | Hydraulic Oil Pressure | HYD PRES |
| Electronic Transmission Controller #1 | 61442 | Output Shaft Speed | OUT SFT SP |
| Electronic Transmission Controller #1 | 61442 | Input Shaft Speed | IN SFT SPD |
| Electronic Transmission Controller #1 | 61442 | Torque Converter Lockup Engaged | TORQ LOCK |
| Electronic Transmission Controller #2 | 61445 | Selected Gear | SELECT GEAR |
| Electronic Transmission Controller #2 | 61445 | Current Gear | CURNT GEAR |
| Transmission Fluids | 65272 | Transmission Oil Pressure Transmission Oil Temperature | TRAN PRES TRAN TEMP |
| Transmission Control 1-TC1 | 256 | Requested Gear | REQ GEAR |
| Auxiliary Pressures & Temperatures | 65164 | Auxiliary Temperature Auxiliary Pressure | AUX TEMP AUX PRES |
| Auxiliary Input/Output Status | 65241 | Auxiliary I/O #1 | AUX I0 1 |
| Cruise Control /Vehicle Speed | 65265 | Wheel Based Vehicle Speed | VEH SPD |
| Vehicle Electrical Power | 65271 | Alternator Voltage Electrical Potential (Voltage) Battery Pot. Voltage (Switched) | ALT VOLT SYS VOLT BAT VOLT |
| Vehicle Distance | 65248 | Trip Distance Total Vehicle Distance | TRIP DIST VEH DIST |
| Vehicle Fluids-VF | 65128 | Hydraulic Oil Temperature | HYD TEMP |
| Dash Display-DD | 65276 | Fuel Level | FUEL LEVEL |
| Rudder | 127245 | Rudder Angle | RUD ANG |
| Speed | 128259 | Water Referenced | H20 REF.SP |
| Small Craft Status, Port Trim | 130576 | Port Trim Tab | P TRIM TAB |
| Small Craft Status, Starboard Trim | 130576 | Starboard Trim Tab | S TRIM TAB |
| Support Allison DTCs | | Retarded Temperature Above Normal (SPN=120, FMI=15) | RETARDED OIL TEMPERATURE ABOVE NORMAL |
| | | Transmission Oil Temperature Above Normal (SPN=177, FMI=15) | TRANSMISSION OIL TEMPERATURE ABOVE NORMAL |
| | | Unknown General Transmission Fault (SPN=2003, FMI=31) | GENERAL TRANSMISSION FAULT UNKNOWN |

*PV100-A, software version Murphy 2.09
PV101-A, software version Murphy 1.00.06