

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 IO 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	H2O 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