

PowerView Error Messages



SPN	FMI	Description
28	3	% ACCEL POS3 VOLT ABOVE NORM OR SHORT HIGH
28	4	% ACCEL POS3 VOLT BELOW NORM OR SHORT LOW
29	3	% ACCEL POS2 VOLT ABOVE NORM OR SHORT HIGH
29	4	% ACCEL POS2 VOLT BELOW NORM OR SHORT LOW
91	3	ACCEL PEDAL POS VOLT ABOVE NORM OR SHORT HIGH
91	4	ACCEL PEDAL POS VOLT BELOW NORMAL OR SHORT LOW
91	9	ACCEL PEDAL POS A VALID THROTTLE MSG NOT RCVD
91	14	ACCEL PEDAL POS THROTTLE SIG VOLT OUT OF RANGE
94	1	FUEL DELIVERY PRESSURE VERY LOW
94	3	FUEL RAIL PRESSURE VOLTAGE OUT OF RANGE HIGH
94	4	FUEL RAIL PRESSURE VOLTAGE OUT OF RANGE LOW
94	10	FUEL DELIVERY PRESSURE DROPPING TOO FAST
94	13	FUEL DELIVERY PRESSURE OUT OF CALIBRATION
94	16	FUEL DELIVERY PRESSURE HIGH
94	17	NO RAIL FUEL PRESSURE
94	18	FUEL DELIVERY PRESSURE LOW
97	0	WATER IN FUEL DETECTED
97	3	WATER IN FUEL INDICATOR VOLTAGE OUT OF RANGE HIGH
97	4	WATER IN FUEL INDICATOR VOLTAGE OUT OF RANGE LOW
97	16	WATER IN FUEL DETECTED
97	31	WATER IN FUEL DETECTED
100	1	ENGINE OIL PRESSURE LOW
100	3	ENGINE OIL PRESS VOLT ABOVE NORM OR SHORT HIGH SOURCE
100	4	ENGINE OIL PRESS VOLT BELOW NORM OR SHORT LOW SOURCE
100	16	ENGINE OIL PRESSURE READING INCORRECT
100	18	ENGINE OIL PRESS LOW
105	0	INTAKE MAN1 AIR TEMP HIGH
105	3	INTAKE MAN1 TEMP VOLT ABOVE NORM OR SHORT HIGH SOURCE
105	4	INTAKE MAN1 TEMP VOLT BELOW NORM OR SHORT LOW SOURCE
105	16	INTAKE MAN1 AIR TEMP HIGH
107	0	AIR FILT DIFF PRESS PLUGGED AIR FILTER DETECTED
107	31	AIR FILT DIFF PRESS PLUGGED AIR FILTER DETECTED
110	0	ENG COOL TEMP HIGH
110	3	ENG COOL TEMP VOLT ABOVE NORM OR SHORT HIGH SOURCE
110	4	ENG COOL TEMP VOLT BELOW NORM OR SHORT LOW SOURCE
110	15	ENG COOL TEMP HIGH
110	16	ENG COOL TEMP HIGH
111	1	LOW COOLANT LEVEL
158	2	KEYSWITCH INTERMITTENT
158	17	KEYSWITCH CIRCUIT PROBLEM
174	0	FUEL TEMP HIGH
174	3	FUEL TEMP VOLT ABOVE NORM OR SHORT HIGH SOURCE
174	4	FUEL TEMP VOLT BELOW NORM OR SHORT LOW SOURCE

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SPN	FMI	Description
174	15	FUEL TEMP HIGH
174	16	FUEL TEMP HIGH
174	31	FUEL TEMP VOLT OUT OF RANGE
189	31	ENG SPEED DERATE CONDITION EXISTS DUE TO FAULT
190	0	ENGINE OVERSPEED
190	2	ENG SPD DATA ERRATIC, INTERMITTENT OR INCORRECT
190	3	ENG SPD VOLT ABOVE NORMAL OR SHORT HIGH
190	4	ENG SPD VOLT BELOW NORMAL OR SHORT LOW
190	5	ENG SPD CIRCUIT IS OPEN
190	16	ENGINE OVERSPEED
611	3	INJ WIRING SHORTED TO BATTERY
611	4	INJ WIRING SHORTED TO GROUND
620	3	SENSOR VOLT1 (+5VDC) ABOVE NORMAL OR SHORT HIGH
620	4	SENSOR VOLT1 (+5VDC) BELOW NORMAL OR SHORT LOW
627	1	POWER SUPPLY LOW VOLT TO INJECTORS
627	4	POWER SUPPLY INTERRUPTION
629	13	REPROGRAM CONTROLLER ECU PROBLEM
629	19	ECU NOT RECEIVING MSG FROM PUMP
632	2	FUEL SHUTOFF VALVE ERR DETECTED
632	5	FUEL SHUTOFF VALVE NON-FUNCTIONAL
632	11	FUEL SHUTOFF VALVE SOLENOID CKT OPEN OR SHORTED
636	2	ENG POS SENSOR TIMING SIGNAL ERROR
636	8	ENG POS SENSOR TIMING SIGNAL ERROR
636	10	ENG POS SENSOR TIMING SIGNAL ERROR
637	2	TIMING (CRANK) SENSOR TIMING SIGNAL ERROR
637	7	TIMING (CRANK) SENSOR TIMING SIGNAL ERROR
637	8	TIMING (CRANK) SENSOR TIMING SIGNAL ERROR
637	10	TIMING (CRANK) SENSOR TIMING SIGNAL ERROR
639	13	CAN BUS FAILURE
651	5	INJ CYLINDER1 CURRENT LESS THAN EXPECTED
651	6	INJ CYLINDER1 CURRENT INCREASES TOO RAPIDLY
651	7	INJ CYLINDER1 FUEL FLOW LOWER THAN EXPECTED
652	5	INJ CYLINDER2 CURRENT LESS THAN EXPECTED
652	6	INJ CYLINDER2 CURRENT INCREASES TOO RAPIDLY
652	7	INJ CYLINDER2 FUEL FLOW LOWER THAN EXPECTED
653	5	INJ CYLINDER3 CURRENT LESS THAN EXPECTED
653	6	INJ CYLINDER3 CURRENT INCREASES TOO RAPIDLY
653	7	INJ CYLINDER3 FUEL FLOW LOWER THAN EXPECTED
654	5	INJ CYLINDER4 CURRENT LESS THAN EXPECTED
654	6	INJ CYLINDER4 CURRENT INCREASES TOO RAPIDLY
654	7	INJ CYLINDER4 FUEL FLOW LOWER THAN EXPECTED
655	5	INJ CYLINDER5 CURRENT LESS THAN EXPECTED
655	6	INJ CYLINDER5 CURRENT INCREASES TOO RAPIDLY

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SPN	FMI	Description
655	7	INJ CYLINDER5 FUEL FLOW LOWER THAN EXPECTED
656	5	INJ CYLINDER6 CURRENT LESS THAN EXPECTED
656	6	INJ CYLINDER6 CURRENT INCREASES TOO RAPIDLY
656	7	INJ CYLINDER6 FUEL FLOW LOWER THAN EXPECTED
676	3	GLOW PLUG RELAY STUCK ON
676	5	GLOW PLUG RELAY WILL NOT TURN ON
729	3	INLET AIR HEATER DRIVER1 STUCK ON
729	5	INLET AIR HEATER DRIVER1 WILL NOT TURN ON
833	2	RACK POSITION SENSOR ERROR
833	3	RACK POSITION SENSOR VOLT ABOVE NORMAL
833	4	RACK POSITION SENSOR VOLT BELOW NORMAL
834	2	RACK ACTUATOR ERROR BLEED AIR IN FUEL SYSTEM
834	3	RACK ACTUATOR CKT VOLT ABOVE NORMAL
834	5	RACK ACTUATOR CKT OPEN
834	6	RACK ACTUATOR CKT GROUNDED
834	7	RACK ACTUATOR POSITION ERROR
970	2	EXT AUX ENG SHUTDOWN SWITCH INTERMITTENT
970	11	EXT ENG PROTECTION SHUTDOWN ACTIVE
970	31	EXT AUX ENG SHUTDOWN SWITCH ACTIVE
971	31	ENG DERATE SWITCH ACTIVATED
1041	2	START SIGNAL MISSING
1041	3	START SIGNAL ALWAYS ACTIVE
1076	0	FUEL INJ PUMP CONT VALVE ERROR
1076	1	FUEL INJ PUMP CONT VALVE ERROR
1076	2	FUEL INJ PUMP CONT VALVE ERROR
1076	3	FUEL INJ PUMP CONT VALVE ERROR
1076	5	FUEL INJ PUMP CONT VALVE ERROR
1076	6	FUEL INJ PUMP CONT VALVE ERROR
1076	7	FUEL INJ PUMP CONT VALVE ERROR
1076	10	FUEL INJ PUMP CONT VALVE ERROR
1076	13	FUEL INJ PUMP CONT VALVE ERROR
1077	7	FUEL INJ PUMP ERROR
1077	11	FUEL INJ PUMP CONT VP44 INPUT VOLT OUT OF RANGE
1077	12	FUEL INJ PUMP CONT VP44 SELF TEST ERROR
1077	19	FUEL INJ PUMP CONT VP44 DETECTED CAN BUS FAILURE
1077	31	FUEL INJ PUMP CONT POWER DERATED
1078	7	FUEL INJ PUMP SPD/POS SENSOR ERROR
1078	11	FUEL INJ PUMP SPD/POS SENSOR ERROR
1078	31	FUEL INJ PUMP SPD/POS VP44 UNABLE TO ACHIEVE TIMING
1079	3	SENSOR VOLT1 (+5VDC)ABOVE NORM OR SHORT HIGH
1079	4	SENSOR VOLT1 (+5VDC)BELOW NORM OR SHORT LOW
1080	3	SENSOR VOLT2 (+5VDC)ABOVE NORM OR SHORT HIGH
1080	4	SENSOR VOLT2 (+5VDC)BELOW NORM OR SHORT LOW

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SPN	FMI	Description
1109	31	ENG PROT SYSTEM APPROACHING SHUTDOWN
1110	31	ENG PROT SYSTEM SHUT ENG DOWN
1347	5	FUEL PUMP ASSY 1 CKT OPEN, SHORTED GROUND OR OVLOAD
1347	7	FUEL PUMP ASSY 1 RAIL PRESSURE CONT MISMATCH
1347	10	FUEL PUMP ASSY 1 LOW FUEL FLOW
1348	5	FUEL PUMP ASSY 2 CKT OPEN, SHORTED GROUND OR OVLOAD
1348	10	FUEL PUMP ASSY 2 LOW FUEL FLOW
1485	2	ECU MAIN RELAY PUMP POWER RELAY FAULT
1569	31	ENG PROT TORQ FUEL DERATE LIMIT CONDITION EXIST
2000	6	FUEL INJECTION PUMP CONT VALVE ERROR
2000	13	SECURITY VIOLATION PROPER CONT NOT INSTALLED

Superseded