**CODE**

 024

035 pressure sensor in expansion tank

037 low fuel pressure?

041 air conditioner pressure switch on top of radiator (dust, corrosion on contacts?)

049     can equal 1 of 3 things coolant sensor, speed sensor or cruise sensor

Also, brake pedal switch fault

086

 092     traced to the TVA (Throttle Valve Assembly)

0111 Malfunction of the vehicle speed sensor circuit

0112 Sensor Circuit Malfunction 1 pedal acceleration

0113 Mismatch signal switches the brake pedal and acceleration sensors

0116 Circuit Malfunction clutch switch

0117 Incorrect signal switches the brake pedal

0119 Loss of voltage onboard network controller from the terminal "15"

0122 Control Circuit Malfunction lamp MIL (Check Engine)

0126 System voltage is outside the operating range of the controller

0130 High pressure in A/C circuit (idling in hot weather)

0131 Circuit Malfunction coolant temperature sensor

0132 Incorrect signal circuit coolant temperature sensor

0133 Temperature Sensor Circuit Malfunction of the intake air

0134 Sensor Circuit Malfunction charge air pressure

0135 Temperature Sensor Circuit Malfunction of fuel

0136 Sensor Circuit Malfunction of fuel pressure in the rail

013A Temperature Sensor Circuit Malfunction oil

013E low level signal in the sensor pressure coolant

013F Incorrect signal circuit pressure coolant

0141 The fault or open circuit sensor (frequency) of the crankshaft position

0143 Sensor Circuit Malfunction (phase) of the camshaft

0144 Mismatch probes synchronization signals (frequency and phase)

0145 Fault relay control circuit fan 1

0149 Fuel Heater Circuit Malfunction

014D Maximum permissible speed of the engine crankshaft

0151 High level signal circuit pressure sensor rail

0152 High pressure fuel rail

0153 Low pressure fuel rail

0154 fuel pressure in the rail above the maximum

0155 fuel pressure in the rail below the minimum

0159 Circuit Malfunction of the fuel pump (high pressure pump)

015C Incorrect fuel injection time for Injector cylinder 1

015D Incorrect time fuel injection injector 3

015E Incorrect time fuel injection injector 5

015F Malfunction of the fuel system, affect the toxicity of the emissions

0161 The fault injector control circuit 1

0162 The fault injector control circuit 2

0163 The fault injector control circuit 3

0164 Circuit Fault injector 4

0165 The fault injector control circuit 5

0166 The fault injector control circuit 6

0167 Open or short on the "weight" of the control circuit injector 4

0168 The fault injector control circuit 1

0169 The fault injector control circuit 1

016A injector control circuit failure 1

016B injector control circuit failure 1

016C limit torque drop in cylinder 1

016E minimum required number of injections is not satisfied

0171 Problem 1 injector control channel

0173 Fault Injector control channel 2

017C Controller: Malfunction channel (driver) 1 injector control

017D General alarm system combustion air-fuel mixture

017F controller: incorrect recording or no recording IMA-injector codes

0182 Temperature Sensor Circuit Malfunction of the intake air (DFID)

0183 Low signal circuit air flow sensor

0185 High level signal circuit air flow sensor

0187 Increased air flow through the EGR valve

0188 Reduced air flow through the EGR valve

0189 Short-circuit on the circuit board network recirculation valve control

018B-fault circuit-board network throttle EGR valve

018C fuel system too "poor" at its maximum enrichment

018D toxic emissions of oxides of nitrogen (NOx) above the first threshold

0192 Short-circuit to the control circuit board network turbo

0194 Increased performance (power) of the turbocharger

0195 Reduced performance (power) of the turbocharger

019E Limiting the torque caused by the failure of systems of ICE

01A8 Maximum allowable temperature of the metering valve urea

01B1 Open Information CAN-line "H"

01B3 Open Information CAN-line «L»

01B7 Information CAN-bus is busy

01BA CAN-bus: there is no response from the dash of the car

01C3 CAN-bus: there is no response from the tachograph

01D1 Controller: Fault SPI-channel

01D2 Controller: Fault EEPROM-memory

01D3 Controller: locked for engine start

01D4 Controller: Fault firmware reboot

01D5 Controller: Error initializing program

01D6 Controller: internal synchronization error

01D7 controller: incorrect engine management calibration option

01D8 Controller: Fault firmware reboot

01D9 Controller: Fault ADC signals

01DA Controller: Fault flash ROM (checksum error)

03D3 Controller: Error initializing program

01E2 Immobiliser: fault block or chains (fuel supply is blocked)

01E3 Error monitoring program of engine systems

01E4 Increased frequency of rotation of the engine crankshaft

01E6 Controller: Type 1 Voltage supply for sensor out of range

01E7 controller: voltage type 2 for sensor power supply out of range

01E8 controller: voltage type 3 to the sensor supply is out of range

01E9 controller: supply voltage higher than the permissible

01EA Controller: supply voltage below the allowable

01EB Sensor Circuit Malfunction atmospheric (absolute) air pressure

01F1 Sensor Circuit Malfunction debris particulate filter

01F2 Incorrect signal in the sensor circuit debris particulate filter

01F3 Sensor Circuit Malfunction debris filter particulate filter

01F4 Low signal in the sensor circuit debris particulate filter

01F5 High signal sensor circuit debris particulate filter

01F6 temperature sensor failed to exhaust converter

01F7 Sensor Circuit Malfunction The exhaust gas temperature

01F8 Incorrect signal circuit exhaust temperature sensor

01F9 The high level of regeneration particulate filter

01FA low level of regeneration particulate filter

01FB Efficiency converter below acceptable standards

01FC Slow response to changes in temperature sensor to the converter

0212 Sensor Circuit Malfunction 2 pedal acceleration

0215 Fatal automatic control board

0225 Circuit Fault management main relay

022B Power circuit fault glow

022E Fault relay control circuit booster elektrobenzonasosa

0232 Signal coolant temperature sensor is out of range

0236 Incorrect signal in the sensor circuit pressure fuel rail when stopping engine

023A High Voltage circuit oil temperature sensor

0251 High pressure fuel rail

0259 Short-circuit on-board network control circuit pump

025C Invalid time for fuel injection injector 2

025D Incorrect fuel injection time for Injector cylinder 4

025E Incorrect time fuel injection injector 6

025F Fault injection system affecting emissions of NOx

0275 Poor combustion air-fuel mixture in the cylinder 1

0276 Poor combustion air-fuel mixture in the cylinder 2

0277 Poor combustion air-fuel mixture in the cylinder 3

0278 Poor combustion air-fuel mixture in the cylinder 4

0279 Poor combustion air-fuel mixture in the cylinder 5

027A Poor combustion air-fuel mixture in the cylinder 6

027C Controller: Malfunction channel (driver) 2 injector driver

0281 Not Actual air flow through the EGR valve

0283 Maximum permissible deviation of the air flow on the operating mode

0285 Maximum permissible deviation of the air flow at idle

0286 Signal flow sensor out of range

0287 Increased air flow through the EGR valve

0288 Reduced air flow through the EGR valve

0289 Short on "weight" of the control circuit of the EGR valve

028B-fault "weight" of the control circuit of the EGR valve throttle

0292 Open or short circuit on the "weight" of the control circuit turbocharger

02B4 CAN-bus: there is no response from the trip computer or test equipment

02C9 CAN-bus: invalid data from the instrument cluster or tachograph

02F8 Incorrect signal circuit exhaust temperature sensor

02FF Critical time of injection to dissolve the oil in the engine cylinder

0315 Disposable waiver of the automatic on-board control

032B Fault relay control circuit glow plugs

0359 Short on "weight" of the control circuit pump

035F air power failure affecting the toxic emissions

0385 Maximum permissible deviation of the air flow in the load mode

0386 Signal flow sensor out of range

0389 Open state recirculation valve or fever OG

038B Open Throttle RRC state or increased exhaust gas temperature

0392 Fault-board network control circuit turbocharger and high temperature

039D probability of exceeding the norms of toxic emissions (OBD) - a rich mixture Restriction

039E engine torque in order to protect the turbocharger

03C9 CAN-bus: high channel loading

03F3 Incorrect signal in the sensor circuit debris particulate filter

03F8 Sensor Circuit Malfunction The exhaust gas temperature after the filter

03FA Low level 2 regeneration particulate filter

045F Problem lambda regulator affecting the toxic emissions

0486 Implausible signal circuit IAT sensor

04FA Low level 3 regeneration particulate filter

055F Malfunction EGR affecting toxic emissions

0601 The fault signal circuit or loss of activity of the oxygen sensor 1

0602 Faulty oxygen sensor heater circuit 1

0603 oxygen sensor 1 signal is out of range

0604 Faulty oxygen sensor heater circuit 1

0605 oxygen sensor 1 signal is out of range

0606 The fault signal circuit or loss of activity of the oxygen sensor 1

0607 oxygen sensor 1 signal is out of range

0609 Controller: invalid signal of the oxygen sensor 1

060A Controller: open or short circuit on the "weight" of the oxygen sensor heater circuit 1

060C Open or short circuit on the "weight" of the oxygen sensor heater circuit 1

060D signal of the oxygen sensor 1 is out of range (full load)

060E oxygen sensor signal is out of range 1 (partial load)

060F signal of the oxygen sensor 1 is out of range (engine stop)

069E Limiting torque due to the injection fault