

Tegevusjuhend

Kuupäev	16.03.2020
Täitmiseks	Alates 06.04.2020
Sisu	Euro 6/VI sõiduki EOBD kontroll
Õiguslik alus	Liiklusseaduse § 73 lg 6; halduslepingu punkt 4.1.

Euro 6/VI sõiduki EOBD kontroll

Sisukord

1. Sissejuhatus.....	2
2. Kontrolli sisu.....	2
2.1. Süsteemi valmidus.....	2
2.2. Kontrolli läbiviimine	3
2.3. Veakoodide kustutamine	3
2.4. Veakoodide olulisus	3
3. Kontrollseadme väljatrükk ja sellele kantavad andmed.....	4
4. Kontrolli tulemuste kajastamine ülevaatus vormistamisel liiklusregistri infosüsteemis ARIS2.....	4
LISA 1 – veakoodide tähendused standardist ISO 15031-6 (inglise k)	5
P00xx – Kütuse ja õhu koguse mõõtmise ja heitmete lisakontrollisüsteemidega seonduvad veakoodid.....	5
P01xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid	9
P02xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid	12
P03xx – Süütesüsteemiga seonduvad veakoodid	15
P04xx – Heitmete lisakontrollisüsteemidega seonduvad veakoodid.....	17
P06XX – Juhtarvuti ja lisaväljunditega seonduvad veakoodid	20



1. Sissejuhatus

Käesoleva juhendi eesmärk on kirjeldada tehnöülevaatuse käigus otto- või diiselmootoriga varustatud Euro 6 või VI heitmeklassile vastava sõiduki heitmeid mõjutavate rikete olemasolu kontrollimist EOBD lugejaga.

EOBD on lühend inglisekeelsele väljendile *European On Board Diagnostics*, ehk kujutab endast Euroopa pardadiagnostika süsteemi, mis on analoog USA-s kasutusele võetud OBD2 süsteemile.

EOBD lugeja ühendamiseks vajaliku OBD-liidese asukohta sõidukis on vajadusel võimalik tuvastada näiteks andmeteatmiku abil.

2. Kontrolli sisu

2.1. Süsteemi valmidus

Üks osa EOBD süsteemist on selle valmiduse jälgimine, mis näitab, millised sõiduki komponendid on kontrollitud ja millised mitte. Teatud süsteemides ja komponentides toimuvad aeg-ajalt testid, et kontrollida, kas väärtused püsivad lubatud piirides. Kõik sõidukid ei toeta kõiki valmiduse kontrollimise teste – testide täpne arv oleneb sõiduki konfiguratsioonist. Lisaks on testide läbiviimisel erinevad katsetsüklid, ehk mõningad kontrollid viiakse läbi pelgalt mootori käivitamisel, teisalt, mõningate kontrollide läbiviimiseks on vajalik sõidukiga sõitmine erinevates sõidurežiimides. Katsetsüklite täpne sisu varieerub sageli sõidukitootjate ja mudelite lõikes.

Tehnöülevaatuse mõttes on oluline, et kui sõiduk pole pardadiagnostika kontrolliks valmis või kontrolli pole võimalik teha, siis tuleb kontrollida rikkeindikaatori (MIL) olekut.

Rikkeindikaatori all peetakse silmas sõiduki näidikutetabloomil kuvatavat standardset ikooni:



Foto 1 - rikkeindikaatori ikoon

Rikkeindikaatori oleku kontrollimise all peetakse silmas rikkeindikaatori korrektset käitumist – rikkeindikaator peab süttima süüte sisselülitamisel ja peab kustuma mootori käivitamise järgselt.

2.2. Kontrolli läbiviimine

Tehnoülevaatusel tuleb EOBD lugejaga sõiduki kontrollimisel veenduda, kas sõiduki pardadiagnostika on salvestanud järgmiseid aktiivseid veakoode vahemikust P0001-P0499 või veakoodi P0650.

Kirjeldatud universaalsete veakoodide üldine tähendus on järgmine:

P00xx – Kütuse ja õhu koguse mõõtmise ja heitmete lisakontrollsüsteemidega seonduvad veakoodid;

P01xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid;

P02xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid;

P03xx – Süütesüsteemiga seonduvad veakoodid;

P04xx – Heitmete lisakontrollsüsteemidega seonduvad veakoodid;

P0650 – Rikkeindikaatori (MIL) rikkele viitav veakood.

Veakoodid ning nende täpsem kirjeldus on toodud käesoleva juhendi lõpus lisas 1 (inglise k).

2.3. Veakoodide kustutamine

Seoses asjaoluga, et sõiduk vajab süsteemis rikete avastamiseks teatud kontrollprotseduuride teostamist, ei ole aktsepteeritav veakoodide kustutamine ülevaatusel. Seda põhjusel, et süsteemi kontrollprotseduuride läbiviimine võtab aega ning ülevaatusel käigus ei ole sõidukil võimalik kõiki kontrollprotseduure läbida. Kontrollprotseduuride mitteläbimisest tulenevalt pole süsteem võimeline vastavas osasüsteemis rikkeid avastama. Seega, veakoodide kustutamine isenesest ei ole üldjuhul lahendus probleemile, millele veakood tähelepanu juhib.

2.4. Veakoodide olulisus

Veakoodide olulisus sõltub nende staatusest. Staatuseid on erinevaid, kuid enamlevinud on kaks: aktiivsed veakoodid (staatus = „3“, „0A“, „10“ või „mode 3“, „mode 0A“, „mode 10“)(inglise k *permanent*) ja ootel veakoodid (staatus = „7“ või „mode“)(inglise k *pending*).

Oluline on mõista, et veakood, mille staatus on aktiivne, viitab reaalsele, sõiduki juhtarvuti



poolt korduvalt avastatud rikkele ning see põhjustab üldjuhul ka rikkeindikaatori süttimise teel sõidukijuhi informeerimise. Tehnoülevaatus seisukohast on oluliseks puuduseks (OV) aktiivse veakoodi avastamine, kui samaaegselt on süttinud sõiduki mootori rikkeindikaator, viidates aktiivsele rikkele.

Ootel staatusega veakoodid seevastu viitavad asjaolule, et rike on avaldunud lühiajaliselt ning sõiduki juhtarvuti on rikke ühel korral tuvastanud, kuid seda pole rohkem esinenud. Kui sama rike esineb teatud aja jooksul veel teatud kordi, siis muutub veakoodi staatus aktiivseks. Seni, kuni sama riket korduvalt ei tuvastata, rikkeindikaator juhile rikkest märku ei anna. Tehnoülevaatus seisukohast on staatusega ootel veakoodi avastamine väheoluliseks puuduseks (VO).

3. Kontrollseadme väljatrükk ja sellele kantavad andmed

Kontrolli kohta on vaja koostada kontrollseadme väljatrükk. Kontrolli andmed võivad olla ka kirjalikku taasesitamist võimaldaval kujul – näiteks digitaalsena, kui need on seostatavad konkreetse sõidukiga, mille puhul kontroll teostati.

Väljatrükil peavad olema vähemalt järgmised andmed:

- 1) sõiduki registreerimisnumber;
- 2) kontrolli läbiviimise koht ja aeg;
- 3) kontrollija;
- 4) kontrolli tulemus (võimalusel ka konkreetsed veakoodid).

Kui seade ei võimalda kõiki nõutud andmeid väljatrükil kuvada, siis tuleb see info lisada käsitsi.

Kontrollseadme väljatrüki säilitamistähtaeg on 2 aastat.

4. Kontrolli tulemuste kajastamine ülevaatus vormistamisel liiklusregistri infosüsteemis ARIS2

Kui sõidukil esineb aktiivseid veakoode vahemikust P0001-P0499 või veakood P0650 ning



süttinud on mootori rikkeindikaator, siis tuleb see ARIS2-s ülevaatusse vormistamisel märkida kontrollkaardile vastava rikke lisamisega. Võimalusel märkida rikke lisainfo lahtrisse ka veakood(id) mis tuvastati.

Veakood, mis jääb küll eespoolmainitud vahemikku, kuid on mitteaktiivne (staatus „mode 7“) või on aktiivne (staatus „mode 3“ või „0A“ või „10“), aga rikkeindikaator pole süttinud, klassifitseerub väheolulise puudusena, mille saab võimaluse korral märkida ARIS2 „rikke info“ lahtrisse.

Kui kontrolli käigus selgub, et sõiduki OBD-pistik on vigane (kontrollseade ei saa ühendust) või see ei asu seal kus andmeteatmiku kohaselt peaks asuma ning seda ei ole võimalik leida ilma sõiduki salongi detaile demonteerimata, siis on lubatud jätta EOBD kontroll teostamata ning märkida ülevaatusse vormistamisel „märkuste“ lahtrisse / heitmete mõõtmise väljatrükile selgitus kontrolli läbiviimata jätmise ja põhjuse kohta.

LISA 1 – veakoodide tähendused standardist ISO 15031-6 (inglise k)

P00xx – Kütuse ja õhu koguse mõõtmise ja heitmete lisakontrollisüsteemidega seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0000	ISO/SAE reserved	
P0001	Fuel Volume Regulator Control Circuit/Open	
P0002	Fuel Volume Regulator Control Circuit Range/Performance	
P0003	Fuel Volume Regulator Control Circuit Low	
P0004	Fuel Volume Regulator Control Circuit High	
P0005	Fuel Shutoff Valve “A” Control Circuit/Open	
P0006	Fuel Shutoff Valve “A” Control Circuit Low	
P0007	Fuel Shutoff Valve “A” Control Circuit High	
P0008	Engine Position System Performance	Bank 1
P0009	Engine Position System Performance	Bank 2
P000A	“A” Camshaft Position Slow Response	Bank 1
P000B	“B” Camshaft Position Slow Response	Bank 1
P000C	“A” Camshaft Position Slow Response	Bank 2



P000D	“B” Camshaft Position Slow Response	Bank 2
P000E	ISO/SAE reserved	
P000F	ISO/SAE reserved	
P0010 ^a	“A” Camshaft Position Actuator Circuit / Open	Bank 1
P0011 ^a	“A” Camshaft Position – Timing Over-Advanced or System Performance	Bank 1
P0012 ^a	“A” Camshaft Position – Timing Over-Retarded	Bank 1
P0013 ^b	“B” Camshaft Position – Actuator Circuit / Open	Bank 1
P0014 ^b	“B” Camshaft Position – Timing Over-Advanced or System Performance	Bank 1
P0015 ^b	“B” Camshaft Position – Timing Over-Retarded	Bank 1
P0016	Crankshaft Position – Camshaft Position Correlation	Bank 1 Sensor A
P0017	Crankshaft Position – Camshaft Position Correlation	Bank 1 Sensor B
P0018	Crankshaft Position – Camshaft Position Correlation	Bank 2 Sensor A
P0019	Crankshaft Position – Camshaft Position Correlation	Bank 2 Sensor B
P0020 ^a	“A” Camshaft Position Actuator Circuit / Open	Bank 2
P0021 ^a	“A” Camshaft Position – Timing Over-Advanced or System Performance	Bank 2
P0022 ^a	“A” Camshaft Position – Timing Over-Retarded	Bank 2
P0023 ^b	“B” Camshaft Position – Actuator Circuit / Open	Bank 2
P0024 ^b	“B” Camshaft Position – Timing Over-Advanced or System Performance	Bank 2
P0025 ^b	“B” Camshaft Position – Timing Over-Retarded	Bank 2
P0026	Intake Valve Control Solenoid Circuit Range/Performance	Bank 1
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance	Bank 1
P0028	Intake Valve Control Solenoid Circuit Range/Performance	Bank 2
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance	Bank 2
P0030	HO2S Heater Control Circuit	Bank 1 Sensor 1
P0031	HO2S Heater Control Circuit Low	Bank 1 Sensor 1
P0032	HO2S Heater Control Circuit High	Bank 1 Sensor 1
P0033	Turbocharger/Supercharger Bypass Valve Control Circuit	
P0034	Turbocharger/Supercharger Bypass Valve Control Circuit Low	
P0035	Turbocharger/Supercharger Bypass Valve Control Circuit High	
P0036	HO2S Heater Control Circuit	Bank 1 Sensor 2
P0037	HO2S Heater Control Circuit Low	Bank 1 Sensor 2
P0038	HO2S Heater Control Circuit High	Bank 1 Sensor 2
P0039	Turbocharger/Supercharger Bypass Valve Control Circuit Range/Performance	



P0040	O2 Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1	
P0041	O2 Sensor Signals Swapped Bank 1 Sensor 2/Bank 2 Sensor 2	
P0042	HO2S Heater Control Circuit	Bank 1 Sensor 3
P0043	HO2S Heater Control Circuit Low	Bank 1 Sensor 3
P0044	HO2S Heater Control Circuit High	Bank 1 Sensor 3
P0045	Turbocharger/Supercharger Boost Control Solenoid "A" Circuit/Open	
P0046	Turbocharger/Supercharger Boost Control Solenoid "A" Circuit	
P0047	Turbocharger/Supercharger Boost Control Solenoid "A" Circuit Low	
P0048	Turbocharger/Supercharger Boost Control Solenoid "A" Circuit High	
P0049	Turbocharger/Supercharger Turbine Overspeed	
P004A	Turbocharger/Supercharger Boost Control Solenoid "B" Circuit / Open	
P004B	Turbocharger/Supercharger Boost Control Solenoid "B" Circuit	
P004C	Turbocharger/Supercharger Boost Control Solenoid "B" Circuit Low	
P004D	Turbocharger/Supercharger Boost Control Solenoid "B" Circuit High	
P004E	Turbocharger/Supercharger Boost Control Solenoid "A" Circuit Intermittent/Erratic	
P004F	Turbocharger/Supercharger Boost Control Solenoid "B" Circuit Intermittent/Erratic	
P0050	HO2S Heater Control Circuit	Bank 2 Sensor 1
P0051	HO2S Heater Control Circuit Low	Bank 2 Sensor 1
P0052	HO2S Heater Control Circuit High	Bank 2 Sensor 1
P0053	HO2S Heater Resistance	Bank 1 Sensor 1
P0054	HO2S Heater Resistance	Bank 1 Sensor 2
P0055	HO2S Heater Resistance	Bank 1 Sensor 3
P0056	HO2S Heater Control Circuit	Bank 2 Sensor 2
P0057	HO2S Heater Control Circuit Low	Bank 2 Sensor 2
P0058	HO2S Heater Control Circuit High	Bank 2 Sensor 2
P0059	HO2S Heater Resistance	Bank 2 Sensor 1
P0060	HO2S Heater Resistance	Bank 2 Sensor 2
P0061	HO2S Heater Resistance	Bank 2 Sensor 3
P0062	HO2S Heater Control Circuit	Bank 2 Sensor 3
P0063	HO2S Heater Control Circuit Low	Bank 2 Sensor 3
P0064	HO2S Heater Control Circuit High	Bank 2 Sensor 3
P0065	Air Assisted Injector Control Range/Performance	
P0066	Air Assisted Injector Control Circuit or Circuit Low	



P0067	Air Assisted Injector Control Circuit High	
P0068	MAP/MAF – Throttle Position Correlation	
P0069	Manifold Absolute Pressure – Barometric Pressure Correlation	
P006A	MAP – Mass or Volume Air Flow Correlation	
P006B	MAP – Exhaust Pressure Correlation	
P006C	MAP – Turbocharger/Supercharger Inlet Pressure Correlation	
P006D	Barometric Pressure – Turbocharger/Supercharger Inlet Pressure Correlation	
P006E	ISO/SAE reserved	
P006F	ISO/SAE reserved	
P0070	Ambient Air Temperature Sensor Circuit	
P0071	Ambient Air Temperature Sensor Range/Performance	
P0072	Ambient Air Temperature Sensor Circuit Low	
P0073	Ambient Air Temperature Sensor Circuit High	
P0074	Ambient Air Temperature Sensor Circuit Intermittent	
P0075	Intake Valve Control Solenoid Circuit	Bank 1
P0076	Intake Valve Control Solenoid Circuit Low	Bank 1
P0077	Intake Valve Control Solenoid Circuit High	Bank 1
P0078	Exhaust Valve Control Solenoid Circuit	Bank 1
P0079	Exhaust Valve Control Solenoid Circuit Low	Bank 1
P0080	Exhaust Valve Control Solenoid Circuit High	Bank 1
P0081	Intake Valve Control Solenoid Circuit	Bank 2
P0082	Intake Valve Control Solenoid Circuit Low	Bank 2
P0083	Intake Valve Control Solenoid Circuit High	Bank 2
P0084	Exhaust Valve Control Solenoid Circuit	Bank 2
P0085	Exhaust Valve Control Solenoid Circuit Low	Bank 2
P0086	Exhaust Valve Control Solenoid Circuit High	Bank 2
P0087	Fuel Rail/System Pressure – Too Low	
P0088	Fuel Rail/System Pressure – Too High	
P0089	Fuel Pressure Regulator 1 Performance	
P0090	Fuel Pressure Regulator 1 Control Circuit	
P0091	Fuel Pressure Regulator 1 Control Circuit Low	
P0092	Fuel Pressure Regulator 1 Control Circuit High	
P0093	Fuel System Leak Detected – Large Leak	



P0094	Fuel System Leak Detected – Small Leak	
P0095	Intake Air Temperature Sensor 2 Circuit	
P0096	Intake Air Temperature Sensor 2 Circuit Range/Performance	
P0097	Intake Air Temperature Sensor 2 Circuit Low	
P0098	Intake Air Temperature Sensor 2 Circuit High	
P0099	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic	
P009A	Intake Air Temperature / Ambient Air Temperature Correlation	

a The “A” camshaft shall be either the “intake”, “left”, or “front” camshaft. Left/Right and Front/Rear are determined as if viewed from the driver’s seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.

b The “B” camshaft shall be either the “exhaust”, “right”, or “rear” camshaft. Left/Right and Front/Rear are determined as if viewed from the driver’s seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.

P01xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0100	Mass or Volume Air Flow “A” Circuit	
P0101	Mass or Volume Air Flow “A” Circuit Range/Performance	
P0102	Mass or Volume Air Flow “A” Circuit Low	
P0103	Mass or Volume Air Flow “A” Circuit High	
P0104	Mass or Volume Air Flow “A” Circuit Intermittent	
P0105	Manifold Absolute Pressure/Barometric Pressure Circuit	
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance	
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low	
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High	
P0109	Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent	
P010A	Mass or Volume Air Flow “B” Circuit	
P010B	Mass or Volume Air Flow “B” Circuit Range/Performance	
P010C	Mass or Volume Air Flow “B” Circuit Low	
P010D	Mass or Volume Air Flow “B” Circuit High	
P010E	Mass or Volume Air Flow “B” Circuit Intermittent/Erratic	
P010F	Mass or Volume Air Flow Sensor A/B Correlation	
P0110	Intake Air Temperature Sensor 1 Circuit	
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance	
P0112	Intake Air Temperature Sensor 1 Circuit Low	
P0113	Intake Air Temperature Sensor 1 Circuit High	
P0114	Intake Air Temperature Sensor 1 Circuit Intermittent	
P0115	Engine Coolant Temperature Sensor 1 Circuit	
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance	
P0117	Engine Coolant Temperature Sensor 1 Circuit Low	
P0118	Engine Coolant Temperature Sensor 1 Circuit High	



P0119	Engine Coolant Temperature Sensor 1 Circuit Intermittent	
P011A	Engine Coolant Temperature Sensor 1/2 Correlation	
P0120	Throttle/Pedal Position Sensor/Switch "A" Circuit	
P0121	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance	
P0122	Throttle/Pedal Position Sensor/Switch "A" Circuit Low	
P0123	Throttle/Pedal Position Sensor/Switch "A" Circuit High	
P0124	Throttle/Pedal Position Sensor/Switch "A" Circuit Intermittent	
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	
P0126	Insufficient Coolant Temperature for Stable Operation	
P0127	Intake Air Temperature Too High	
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating	
P0129	Barometric Pressure Too Low	
P012A	Turbocharger/Supercharger Inlet Pressure Sensor Circuit	
P012B	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Range/Performance	
P012C	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Low	
P012D	Turbocharger/Supercharger Inlet Pressure Sensor Circuit High	
P012E	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Intermittent/Erratic	
P012F	ISO/SAE reserved	
P0130	O2 Sensor Circuit	Bank 1 Sensor 1
P0131	O2 Sensor Circuit Low Voltage	Bank 1 Sensor 1
P0132	O2 Sensor Circuit High Voltage	Bank 1 Sensor 1
P0133	O2 Sensor Circuit Slow Response	Bank 1 Sensor 1
P0134	O2 Sensor Circuit No Activity Detected	Bank 1 Sensor 1
P0135	O2 Sensor Heater Circuit	Bank 1 Sensor 1
P0136	O2 Sensor Circuit	Bank 1 Sensor 2
P0137	O2 Sensor Circuit Low Voltage	Bank 1 Sensor 2
P0138	O2 Sensor Circuit High Voltage	Bank 1 Sensor 2
P0139	O2 Sensor Circuit Slow Response	Bank 1 Sensor 2
P0140	O2 Sensor Circuit No Activity Detected	Bank 1 Sensor 2
P0141	O2 Sensor Heater Circuit	Bank 1 Sensor 2
P0142	O2 Sensor Circuit	Bank 1 Sensor 3
P0143	O2 Sensor Circuit Low Voltage	Bank 1 Sensor 3
P0144	O2 Sensor Circuit High Voltage	Bank 1 Sensor 3
P0145	O2 Sensor Circuit Slow Response	Bank 1 Sensor 3
P0146	O2 Sensor Circuit No Activity Detected	Bank 1 Sensor 3
P0147	O2 Sensor Heater Circuit	Bank 1 Sensor 3
P0148	Fuel Delivery Error	
P0149	Fuel Timing Error	
P0150	O2 Sensor Circuit	Bank 2 Sensor 1
P0151	O2 Sensor Circuit Low Voltage	Bank 2 Sensor 1



P0152	O2	Sensor Circuit High Voltage	Bank 2 Sensor 1
P0153	O2	Sensor Circuit Slow Response	Bank 2 Sensor 1
P0154	O2	Sensor Circuit No Activity Detected	Bank 2 Sensor 1
P0155	O2	Sensor Heater Circuit	Bank 2 Sensor 1
P0156	O2	Sensor Circuit	Bank 2 Sensor 2
P0157	O2	Sensor Circuit Low Voltage	Bank 2 Sensor 2
P0158	O2	Sensor Circuit High Voltage	Bank 2 Sensor 2
P0159	O2	Sensor Circuit Slow Response	Bank 2 Sensor 2
P0160	O2	Sensor Circuit No Activity Detected	Bank 2 Sensor 2
P0161	O2	Sensor Heater Circuit	Bank 2 Sensor 2
P0162	O2	Sensor Circuit	Bank 2 Sensor 3
P0163	O2	Sensor Circuit Low Voltage	Bank 2 Sensor 3
P0164	O2	Sensor Circuit High Voltage	Bank 2 Sensor 3
P0165	O2	Sensor Circuit Slow Response	Bank 2 Sensor 3
P0166	O2	Sensor Circuit No Activity Detected	Bank 2 Sensor 3
P0167	O2	Sensor Heater Circuit	Bank 2 Sensor 3
P0168		Fuel Temperature Too High	
P0169		Incorrect Fuel Composition	
P0170		Fuel Trim	Bank 1
P0171		System Too Lean	Bank 1
P0172		System Too Rich	Bank 1
P0173		Fuel Trim	Bank 2
P0174		System Too Lean	Bank 2
P0175		System Too Rich	Bank 2
P0176		Fuel Composition Sensor Circuit	
P0177		Fuel Composition Sensor Circuit Range/Performance	
P0178		Fuel Composition Sensor Circuit Low	
P0179		Fuel Composition Sensor Circuit High	
P0180		Fuel Temperature Sensor "A" Circuit	
P0181		Fuel Temperature Sensor "A" Circuit Range/Performance	
P0182		Fuel Temperature Sensor "A" Circuit Low	
P0183		Fuel Temperature Sensor "A" Circuit High	
P0184		Fuel Temperature Sensor "A" Circuit Intermittent	



P0185	Fuel Temperature Sensor "B" Circuit	
P0186	Fuel Temperature Sensor "B" Circuit Range/Performance	
P0187	Fuel Temperature Sensor "B" Circuit Low	
P0188	Fuel Temperature Sensor "B" Circuit High	
P0189	Fuel Temperature Sensor "B" Circuit Intermittent	
P018A	Fuel Pressure Sensor "B" Circuit	
P018B	Fuel Pressure Sensor "B" Circuit Range/Performance	
P018C	Fuel Pressure Sensor "B" Circuit Low	
P018D	Fuel Pressure Sensor "B" Circuit High	
P018E	Fuel Pressure Sensor "B" Circuit Intermittent/Erratic	
P018F	ISO/SAE reserved	
P0190	Fuel Rail Pressure Sensor "A" Circuit	
P0191	Fuel Rail Pressure Sensor "A" Circuit Range/Performance	
P0192	Fuel Rail Pressure Sensor "A" Circuit Low	
P0193	Fuel Rail Pressure Sensor "A" Circuit High	
P0194	Fuel Rail Pressure Sensor "A" Circuit Intermittent/Erratic	
P0195	Engine Oil Temperature Sensor	
P0196	Engine Oil Temperature Sensor Range/Performance	
P0197	Engine Oil Temperature Sensor Low	
P0198	Engine Oil Temperature Sensor High	
P0199	Engine Oil Temperature Sensor Intermittent	

P02xx – Kütuse ja õhu koguse mõõtmisega seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0200	Injector Circuit/Open	
P0201	Injector Circuit/Open – Cylinder 1	
P0202	Injector Circuit/Open – Cylinder 2	
P0203	Injector Circuit/Open – Cylinder 3	
P0204	Injector Circuit/Open – Cylinder 4	
P0205	Injector Circuit/Open – Cylinder 5	
P0206	Injector Circuit/Open – Cylinder 6	
P0207	Injector Circuit/Open – Cylinder 7	
P0208	Injector Circuit/Open – Cylinder 8	
P0209	Injector Circuit/Open – Cylinder 9	
P020A	Cylinder 1 Injection Timing	



P020B	Cylinder 2 Injection Timing	
P020C	Cylinder 3 Injection Timing	
P020D	Cylinder 4 Injection Timing	
P020E	Cylinder 5 Injection Timing	
P020F	Cylinder 6 Injection Timing	
P0210	Injector Circuit/Open – Cylinder 10	
P0211	Injector Circuit/Open – Cylinder 11	
P0212	Injector Circuit/Open – Cylinder 12	
P0213	Cold Start Injector 1	
P0214	Cold Start Injector 2	
P0215	Engine Shutoff Solenoid	
P0216	Injector/Injection Timing Control Circuit	
P0217	Engine Coolant Over Temperature Condition	
P0218	Transmission Fluid Over Temperature Condition	
P0219	Engine Overspeed Condition	
P021A	Cylinder 7 Injection Timing	
P021B	Cylinder 8 Injection Timing	
P021C	Cylinder 9 Injection Timing	
P021D	Cylinder 10 Injection Timing	
P021E	Cylinder 11 Injection Timing	
P021F	Cylinder 12 Injection Timing	
P0220	Throttle/Pedal Position Sensor/Switch “B” Circuit	
P0221	Throttle/Pedal Position Sensor/Switch “B” Circuit Range/Performance	
P0222	Throttle/Pedal Position Sensor/Switch “B” Circuit Low	
P0223	Throttle/Pedal Position Sensor/Switch “B” Circuit High	
P0224	Throttle/Pedal Position Sensor/Switch “B” Circuit Intermittent	
P0225	Throttle/Pedal Position Sensor/Switch “C” Circuit	
P0226	Throttle/Pedal Position Sensor/Switch “C” Circuit Range/Performance	
P0227	Throttle/Pedal Position Sensor/Switch “C” Circuit Low	
P0228	Throttle/Pedal Position Sensor/Switch “C” Circuit High	
P0229	Throttle/Pedal Position Sensor/Switch “C” Circuit Intermittent	
P022A	Charge Air Cooler Bypass Control “A” Circuit /Open	
P022B	Charge Air Cooler Bypass Control “A” Circuit Low	
P022C	Charge Air Cooler Bypass Control “A” Circuit High	
P022D	Charge Air Cooler Bypass Control “B” Circuit /Open	
P022E	Charge Air Cooler Bypass Control “B” Circuit Low	
P022F	Charge Air Cooler Bypass Control “B” Circuit High	
P0230	Fuel Pump Primary Circuit	
P0231	Fuel Pump Secondary Circuit Low	
P0232	Fuel Pump Secondary Circuit High	
P0233	Fuel Pump Secondary Circuit Intermittent	
P0234	Turbocharger/Supercharger Overboost Condition	
P0235	Turbocharger/Supercharger Boost Sensor “A” Circuit	
P0236	Turbocharger/Supercharger Boost Sensor “A” Circuit Range/Performance	
P0237	Turbocharger/Supercharger Boost Sensor “A” Circuit Low	
P0238	Turbocharger/Supercharger Boost Sensor “A” Circuit High	
P0239	Turbocharger/Supercharger Boost Sensor “B” Circuit	



P023A	Charge Air Cooler Coolant Pump Control Circuit/Open	
P023B	Charge Air Cooler Coolant Pump Control Circuit Low	
P023C	Charge Air Cooler Coolant Pump Control Circuit High	
P023D	Manifold Absolute Pressure – Turbocharger/Supercharger Boost Sensor “A”	
P023E	Manifold Absolute Pressure – Turbocharger/Supercharger Boost Sensor “B”	
P023F	ISO/SAE reserved	
P0240	Turbocharger/Supercharger Boost Sensor “B” Circuit Range/Performance	
P0241	Turbocharger/Supercharger Boost Sensor “B” Circuit Low	
P0242	Turbocharger/Supercharger Boost Sensor “B” Circuit High	
P0243	Turbocharger/Supercharger Wastegate Solenoid “A”	
P0244	Turbocharger/Supercharger Wastegate Solenoid “A” Range/Performance	
P0245	Turbocharger/Supercharger Wastegate Solenoid “A” Low	
P0246	Turbocharger/Supercharger Wastegate Solenoid “A” High	
P0247	Turbocharger/Supercharger Wastegate Solenoid “B”	
P0248	Turbocharger/Supercharger Wastegate Solenoid “B” Range/Performance	
P0249	Turbocharger/Supercharger Wastegate Solenoid “B” Low	
P024A	Charge Air Cooler Bypass Control “A” Range/Performance	
P024B	Charge Air Cooler Bypass Control “A” Stuck	
P024C	Charge Air Cooler Bypass Position Sensor “A” Circuit	
P024D	Charge Air Cooler Bypass Position Sensor “A” Circuit Range/Performance	
P024E	Charge Air Cooler Bypass Position Sensor “A” Circuit Low	
P024F	Charge Air Cooler Bypass Position Sensor “A” Circuit High	
P0250	Turbocharger/Supercharger Wastegate Solenoid “B” High	
P0251	Injection Pump Fuel Metering Control “A” (Cam/Rotor/Injector)	
P0252	Injection Pump Fuel Metering Control “A” Range/Performance (Cam/Rotor/Injector)	
P0253	Injection Pump Fuel Metering Control “A” Low (Cam/Rotor/Injector)	
P0254	Injection Pump Fuel Metering Control “A” High (Cam/Rotor/Injector)	
P0255	Injection Pump Fuel Metering Control “A” Intermittent (Cam/Rotor/Injector)	
P0256	Injection Pump Fuel Metering Control “B” (Cam/Rotor/Injector)	
P0257	Injection Pump Fuel Metering Control “B” Range/Performance (Cam/Rotor/Injector)	
P0258	Injection Pump Fuel Metering Control “B” Low (Cam/Rotor/Injector)	
P0259	Injection Pump Fuel Metering Control “B” High (Cam/Rotor/Injector)	
P025A	Fuel Pump Module Control Circuit/Open	
P025B	Fuel Pump Module Control Circuit Range/Performance	
P025C	Fuel Pump Module Control Circuit Low	
P025D	Fuel Pump Module Control Circuit High	
P0260	Injection Pump Fuel Metering Control “B” Intermittent (Cam/Rotor/Injector)	
P0261	Cylinder 1 Injector Circuit Low	
P0262	Cylinder 1 Injector Circuit High	
P0263	Cylinder 1 Contribution/Balance	
P0264	Cylinder 2 Injector Circuit Low	
P0265	Cylinder 2 Injector Circuit High	
P0266	Cylinder 2 Contribution/Balance	
P0267	Cylinder 3 Injector Circuit Low	
P0268	Cylinder 3 Injector Circuit High	
P0269	Cylinder 3 Contribution/Balance	
P0270	Cylinder 4 Injector Circuit Low	



P0271	Cylinder 4 Injector Circuit High	
P0272	Cylinder 4 Contribution/Balance	
P0273	Cylinder 5 Injector Circuit Low	
P0274	Cylinder 5 Injector Circuit High	
P0275	Cylinder 5 Contribution/Balance	
P0276	Cylinder 6 Injector Circuit Low	
P0277	Cylinder 6 Injector Circuit High	
P0278	Cylinder 6 Contribution/Balance	
P0279	Cylinder 7 Injector Circuit Low	
P0280	Cylinder 7 Injector Circuit High	
P0281	Cylinder 7 Contribution/Balance	
P0282	Cylinder 8 Injector Circuit Low	
P0283	Cylinder 8 Injector Circuit High	
P0284	Cylinder 8 Contribution/Balance	
P0285	Cylinder 9 Injector Circuit Low	
P0286	Cylinder 9 Injector Circuit High	
P0287	Cylinder 9 Contribution/Balance	
P0288	Cylinder 10 Injector Circuit Low	
P0289	Cylinder 10 Injector Circuit High	
P0290	Cylinder 10 Contribution/Balance	
P0291	Cylinder 11 Injector Circuit Low	
P0292	Cylinder 11 Injector Circuit High	
P0293	Cylinder 11 Contribution/Balance	
P0294	Cylinder 12 Injector Circuit Low	
P0295	Cylinder 12 Injector Circuit High	
P0296	Cylinder 12 Contribution/Balance	
P0297	Vehicle Overspeed Condition	
P0298	Engine Oil Over Temperature	
P0299	Turbocharger/Supercharger Underboost	

P03xx – Süütesüsteemiga seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0300	Random/Multiple Cylinder Misfire Detected	
P0301	Cylinder 1 Misfire Detected	
P0302	Cylinder 2 Misfire Detected	
P0303	Cylinder 3 Misfire Detected	
P0304	Cylinder 4 Misfire Detected	
P0305	Cylinder 5 Misfire Detected	
P0306	Cylinder 6 Misfire Detected	
P0307	Cylinder 7 Misfire Detected	
P0308	Cylinder 8 Misfire Detected	
P0309	Cylinder 9 Misfire Detected	
P0310	Cylinder 10 Misfire Detected	
P0311	Cylinder 11 Misfire Detected	



P0312	Cylinder 12 Misfire Detected	
P0313	Misfire Detected With Low Fuel	
P0314	Single Cylinder Misfire (Cylinder not Specified)	
P0315	Crankshaft Position System Variation Not Learned	
P0316	Engine Misfire Detected on Startup (First 1000 Revolutions)	
P0317	Rough Road Hardware Not Present	
P0318	Rough Road Sensor "A" Signal Circuit	
P0319	Rough Road Sensor "B" Signal Circuit	
P0320	Ignition/Distributor Engine Speed Input Circuit	
P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance	
P0322	Ignition/Distributor Engine Speed Input Circuit No Signal	
P0323	Ignition/Distributor Engine Speed Input Circuit Intermittent	
P0324	Knock Control System Error	
P0325	Knock Sensor 1 Circuit	Bank 1 or Single
P0326	Knock Sensor 1 Circuit Range/Performance	Bank 1 or Single
P0327	Knock Sensor 1 Circuit Low	Bank 1 or Single
P0328	Knock Sensor 1 Circuit High	Bank 1 or Single
P0329	Knock Sensor 1 Circuit Intermittent	Bank 1 or Single
P0330	Knock Sensor 2 Circuit	Bank 2
P0331	Knock Sensor 2 Circuit Range/Performance	Bank 2
P0332	Knock Sensor 2 Circuit Low	Bank 2
P0333	Knock Sensor 2 Circuit High	Bank 2
P0334	Knock Sensor 2 Circuit Intermittent	Bank 2
P0335	Crankshaft Position Sensor "A" Circuit	
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	
P0337	Crankshaft Position Sensor "A" Circuit Low	
P0338	Crankshaft Position Sensor "A" Circuit High	
P0339	Crankshaft Position Sensor "A" Circuit Intermittent	
P0340	Camshaft Position Sensor "A" Circuit	Bank 1 or Single sensor
P0341	Camshaft Position Sensor "A" Circuit Range/Performance	Bank 1 or Single sensor
P0342	Camshaft Position Sensor "A" Circuit Low	Bank 1 or Single sensor
P0343	Camshaft Position Sensor "A" Circuit High	Bank 1 or Single sensor
P0344	Camshaft Position Sensor "A" Circuit Intermittent	Bank 1 or Single sensor
P0345	Camshaft Position Sensor "A" Circuit	Bank 2
P0346	Camshaft Position Sensor "A" Circuit Range/Performance	Bank 2
P0347	Camshaft Position Sensor "A" Circuit Low	Bank 2
P0348	Camshaft Position Sensor "A" Circuit High	Bank 2
P0349	Camshaft Position Sensor "A" Circuit Intermittent	Bank 2
P0350	Ignition Coil Primary/Secondary Circuit	
P0351	Ignition Coil "A" Primary/Secondary Circuit	
P0352	Ignition Coil "B" Primary/Secondary Circuit	
P0353	Ignition Coil "C" Primary/Secondary Circuit	
P0354	Ignition Coil "D" Primary/Secondary Circuit	
P0355	Ignition Coil "E" Primary/Secondary Circuit	
P0356	Ignition Coil "F" Primary/Secondary Circuit	
P0357	Ignition Coil "G" Primary/Secondary Circuit	
P0358	Ignition Coil "H" Primary/Secondary Circuit	



P0359	Ignition Coil "I" Primary/Secondary Circuit	
P0360	Ignition Coil "J" Primary/Secondary Circuit	
P0361	Ignition Coil "K" Primary/Secondary Circuit	
P0362	Ignition Coil "L" Primary/Secondary Circuit	
P0363	Misfire Detected – Fueling Disabled	
P0364	ISO/SAE reserved	
P0365	Camshaft Position Sensor "B" Circuit	Bank 1
P0366	Camshaft Position Sensor "B" Circuit Range/Performance	Bank 1
P0367	Camshaft Position Sensor "B" Circuit Low	Bank 1
P0368	Camshaft Position Sensor "B" Circuit High	Bank 1
P0369	Camshaft Position Sensor "B" Circuit Intermittent	Bank 1
P0370	Timing Reference High Resolution Signal "A"	
P0371	Timing Reference High Resolution Signal "A" Too Many Pulses	
P0372	Timing Reference High Resolution Signal "A" Too Few Pulses	
P0373	Timing Reference High Resolution Signal "A" Intermittent/Erratic Pulses	
P0374	Timing Reference High Resolution Signal "A" No Pulse	
P0375	Timing Reference High Resolution Signal "B"	
P0376	Timing Reference High Resolution Signal "B" Too Many Pulses	
P0377	Timing Reference High Resolution Signal "B" Too Few Pulses	
P0378	Timing Reference High Resolution Signal "B" Intermittent/Erratic Pulses	
P0379	Timing Reference High Resolution Signal "B" No Pulses	
P0380	Glow Plug/Heater Circuit "A"	
P0381	Glow Plug/Heater Indicator Circuit	
P0382	Glow Plug/Heater Circuit "B"	
P0383	Glow Plug Control Module Control Circuit Low	
P0384	Glow Plug Control Module Control Circuit High	
P0385	Crankshaft Position Sensor "B" Circuit	
P0386	Crankshaft Position Sensor "B" Circuit Range/Performance	
P0387	Crankshaft Position Sensor "B" Circuit Low	
P0388	Crankshaft Position Sensor "B" Circuit High	
P0389	Crankshaft Position Sensor "B" Circuit Intermittent	
P0390	Camshaft Position Sensor "B" Circuit	Bank 2
P0391	Camshaft Position Sensor "B" Circuit Range/Performance	Bank 2
P0392	Camshaft Position Sensor "B" Circuit Low	Bank 2
P0393	Camshaft Position Sensor "B" Circuit High	Bank 2
P0394	Camshaft Position Sensor "B" Circuit Intermittent	Bank 2

P04xx – Heitmete lisakontrollüsteemidega seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0400	Exhaust Gas Recirculation Flow	
P0401	Exhaust Gas Recirculation Flow Insufficient Detected	
P0402	Exhaust Gas Recirculation Flow Excessive Detected	
P0403	Exhaust Gas Recirculation Control Circuit	
P0404	Exhaust Gas Recirculation Control Circuit Range/Performance	



P0405	Exhaust Gas Recirculation Sensor "A" Circuit Low	
P0406	Exhaust Gas Recirculation Sensor "A" Circuit High	
P0407	Exhaust Gas Recirculation Sensor "B" Circuit Low	
P0408	Exhaust Gas Recirculation Sensor "B" Circuit High	
P0409	Exhaust Gas Recirculation Sensor "A" Circuit	
P040A	Exhaust Gas Recirculation Temperature Sensor "A" Circuit	
P040B	Exhaust Gas Recirculation Temperature Sensor "A" Circuit Range/Performance	
P040C	Exhaust Gas Recirculation Temperature Sensor "A" Circuit Low	
P040D	Exhaust Gas Recirculation Temperature Sensor "A" Circuit High	
P040E	Exhaust Gas Recirculation Temperature Sensor "A" Circuit Intermittent/Erratic	
P040F	Exhaust Gas Recirculation Temperature Sensor "A"/"B" Correlation	
P0410	Secondary Air Injection System	
P0411	Secondary Air Injection System Incorrect Flow Detected	
P0412	Secondary Air Injection System Switching Valve "A" Circuit	
P0413	Secondary Air Injection System Switching Valve "A" Circuit Open	
P0414	Secondary Air Injection System Switching Valve "A" Circuit Shorted	
P0415	Secondary Air Injection System Switching Valve "B" Circuit	
P0416	Secondary Air Injection System Switching Valve "B" Circuit Open	
P0417	Secondary Air Injection System Switching Valve "B" Circuit Shorted	
P0418	Secondary Air Injection System Control "A" Circuit	
P0419	Secondary Air Injection System Control "B" Circuit	
P041A	Exhaust Gas Recirculation Temperature Sensor "B" Circuit	
P041B	Exhaust Gas Recirculation Temperature Sensor "B" Circuit Range/Performance	
P041C	Exhaust Gas Recirculation Temperature Sensor "B" Circuit Low	
P041D	Exhaust Gas Recirculation Temperature Sensor "B" Circuit High	
P041E	Exhaust Gas Recirculation Temperature Sensor "B" Circuit Intermittent/Erratic	
P041F	ISO/SAE reserved	
P0420	Catalyst System Efficiency Below Threshold	Bank 1
P0421	Warm Up Catalyst Efficiency Below Threshold	Bank 1
P0422	Main Catalyst Efficiency Below Threshold	Bank 1
P0423	Heated Catalyst Efficiency Below Threshold	Bank 1
P0424	Heated Catalyst Temperature Below Threshold	Bank 1
P0425	Catalyst Temperature Sensor Circuit	Bank 1 Sensor 1
P0426	Catalyst Temperature Sensor Circuit Range/Performance	Bank 1 Sensor 1
P0427	Catalyst Temperature Sensor Circuit Low	Bank 1 Sensor 1
P0428	Catalyst Temperature Sensor Circuit High	Bank 1 Sensor 1
P0429	Catalyst Heater Control Circuit	Bank 1
P042A	Catalyst Temperature Sensor Circuit	Bank 1 Sensor 2
P042B	Catalyst Temperature Sensor Circuit Range/Performance	Bank 1 Sensor 2
P042C	Catalyst Temperature Sensor Circuit Low	Bank 1 Sensor 2
P042D	Catalyst Temperature Sensor Circuit High	Bank 1 Sensor 2
P042E	ISO/SAE reserved	
P042F	ISO/SAE reserved	
P0430	Catalyst System Efficiency Below Threshold	Bank 2
P0431	Warm Up Catalyst Efficiency Below Threshold	Bank 2
P0432	Main Catalyst Efficiency Below Threshold	Bank 2
P0433	Heated Catalyst Efficiency Below Threshold	Bank 2



P0434	Heated Catalyst Temperature Below Threshold	Bank 2
P0435	Catalyst Temperature Sensor Circuit	Bank 2 Sensor 1
P0436	Catalyst Temperature Sensor Circuit Range/Performance	Bank 2 Sensor 1
P0437	Catalyst Temperature Sensor Circuit Low	Bank 2 Sensor 1
P0438	Catalyst Temperature Sensor Circuit High	Bank 2 Sensor 1
P0439	Catalyst Heater Control Circuit	Bank 2
P043A	Catalyst Temperature Sensor Circuit	Bank 2 Sensor 2
P043B	Catalyst Temperature Sensor Circuit Range/Performance	Bank 2 Sensor 2
P043C	Catalyst Temperature Sensor Circuit Low	Bank 2 Sensor 2
P043D	Catalyst Temperature Sensor Circuit High	Bank 2 Sensor 2
P043E	Evaporative Emission System Leak Detection Reference Orifice Low Flow	
P043F	Evaporative Emission System Leak Detection Reference Orifice High Flow	
P0440	Evaporative Emission System	
P0441	Evaporative Emission System Incorrect Purge Flow	
P0442	Evaporative Emission System Leak Detected (small leak)	
P0443	Evaporative Emission System Purge Control Valve Circuit	
P0444	Evaporative Emission System Purge Control Valve Circuit Open	
P0445	Evaporative Emission System Purge Control Valve Circuit Shorted	
P0446	Evaporative Emission System Vent Control Circuit	
P0447	Evaporative Emission System Vent Control Circuit Open	
P0448	Evaporative Emission System Vent Control Circuit Shorted	
P0449	Evaporative Emission System Vent Valve/Solenoid Circuit	
P0450	Evaporative Emission System Pressure Sensor/Switch	
P0451	Evaporative Emission System Pressure Sensor/Switch Range/Performance	
P0452	Evaporative Emission System Pressure Sensor/Switch Low	
P0453	Evaporative Emission System Pressure Sensor/Switch High	
P0454	Evaporative Emission System Pressure Sensor/Switch Intermittent	
P0455	Evaporative Emission System Leak Detected (large leak)	
P0456	Evaporative Emission System Leak Detected (very small leak)	
P0457	Evaporative Emission System Leak Detected (fuel cap loose/off)	
P0458	Evaporative Emission System Purge Control Valve Circuit Low	
P0459	Evaporative Emission System Purge Control Valve Circuit High	
P0460	Fuel Level Sensor "A" Circuit	
P0461	Fuel Level Sensor "A" Circuit Range/Performance	
P0462	Fuel Level Sensor "A" Circuit Low	
P0463	Fuel Level Sensor "A" Circuit High	
P0464	Fuel Level Sensor "A" Circuit Intermittent	
P0465	EVAP Purge Flow Sensor Circuit	
P0466	EVAP Purge Flow Sensor Circuit Range/Performance	
P0467	EVAP Purge Flow Sensor Circuit Low	
P0468	EVAP Purge Flow Sensor Circuit High	
P0469	EVAP Purge Flow Sensor Circuit Intermittent	
P0470	Exhaust Pressure Sensor "A" Circuit	
P0471	Exhaust Pressure Sensor "A" Circuit Range/Performance	
P0472	Exhaust Pressure Sensor "A" Circuit Low	
P0473	Exhaust Pressure Sensor "A" Circuit High	
P0474	Exhaust Pressure Sensor "A" Circuit Intermittent/Erratic	



P0475	Exhaust Pressure Control Valve	
P0476	Exhaust Pressure Control Valve Range/Performance	
P0477	Exhaust Pressure Control Valve Low	
P0478	Exhaust Pressure Control Valve High	
P0479	Exhaust Pressure Control Valve Intermittent	
P047A	Exhaust Pressure Sensor "B" Circuit	
P047B	Exhaust Pressure Sensor "B" Circuit Range/Performance	
P047C	Exhaust Pressure Sensor "B" Circuit Low	
P047D	Exhaust Pressure Sensor "B" Circuit High	
P047E	Exhaust Pressure Sensor "B" Circuit Intermittent/Erratic	
P047F	ISO/SAE reserved	
P0480	Fan 1 Control Circuit	
P0481	Fan 2 Control Circuit	
P0482	Fan 3 Control Circuit	
P0483	Fan Rationality Check	
P0484	Fan Circuit Over Current	
P0485	Fan Power/Ground Circuit	
P0486	Exhaust Gas Recirculation Sensor "B" Circuit	
P0487	Exhaust Gas Recirculation Throttle Control Circuit "A" /Open	
P0488	Exhaust Gas Recirculation Throttle Control Circuit "A" Range/Performance	
P0489	Exhaust Gas Recirculation Control Circuit "A" Low	
P0490	Exhaust Gas Recirculation Control Circuit "A" High	
P0491	Secondary Air Injection System Insufficient Flow	Bank 1
P0492	Secondary Air Injection System Insufficient Flow	Bank 2
P0493	Fan Overspeed	
P0494	Fan Speed Low	
P0495	Fan Speed High	
P0496	Evaporative Emission System High Purge Flow	
P0497	Evaporative Emission System Low Purge Flow	
P0498	Evaporative Emission System Vent Valve Control Circuit Low	
P0499	Evaporative Emission System Vent Valve Control Circuit High	

P06XX – Juhtarvuti ja lisaväljunditega seonduvad veakoodid

Veakood	Veakoodi kirjeldus	Asukoht
P0650	Malfunction Indicator Lamp (MIL) Control Circuit	

