

Error name	SPN	FMI	DTCCode	Error Text
AdcEcu_GlbPwmOverlErrOfAdcEcu	516655	0	P3049-19	ECU digital output half full bridge - Critical overcurrent
AirChrgPrtn_InjQtyRednErrOfAirChrgPrtn	516354	0	P140A-00	Engine protection power reduction - Turbocharger protection
AirEgrMngt_AutCalErrOfEgrMngt	516142	11	P131C-00	EGR management - Auto calibration error
AirEgrMngt_AutLrngErrOfEgrMngt	516143	11	P131D-00	EGR management - Auto learning error
AirEgrMngt_LossLrngErrOfEgrMngt	516144	11	P131E-00	EGR management - Learnt values lost during normal operation
AirFilCalcn_FilFullErrOfAirFil	107	11	P1005-00	Air filter - Blocked / Clogged
AirFilCalcn_FilFullErrOfAirFil2	2809	11	P1281-00	Air filter 2 - Blocked / Clogged
AirFlapCtrl_SpdOverErrOfAirFlapCtrl	4201	0	P1FD5-00	Genset - Engine over speed
CanDiag_CanMsgRxBeShutdwnErrOfCan1OfCanDiag	516494	31	U1049-00	Engine Control Unit CAN - CAN1 message received after end of post drive
CanDiag_OcErrOfCan1OfCanDiag	639	5	U0033-00	Engine Control Unit CAN 1 - Open circuit
CanDiag_OcErrOfCan2OfCanDiag	1231	5	U0012-00	Engine Control Unit CAN 2 - Open circuit
CanDiag_OcErrOfCan2OfEngSide	516488	5	P154E-00	Engine CAN on engine connector - Open circuit
CanDiag_OcErrOfCan2OfMacSide	516489	5	P154F-00	Engine CAN on machine connector - Open circuit
CanDiag_OcErrOfCan3OfCanDiag	1235	5	U0039-00	Engine Control Unit CAN 3 - Open circuit
CanDiag_OcErrOfCan4OfCanDiag	1668	5	U0048-00	Engine Control Unit CAN 4 - Open circuit
CanDiag_ScErrOfCan1OfCanDiag	639	11	U0036-00	Engine Control Unit CAN 1 - Short circuit
CanDiag_ScErrOfCan2OfCanDiag	1231	11	U0018-00	Engine Control Unit CAN 2 - Short circuit
CanDiag_ScErrOfCan3OfCanDiag	1235	11	U0045-00	Engine Control Unit CAN 3 - Short circuit
CanDiag_ScErrOfCan4OfCanDiag	1668	11	U0054-00	Engine Control Unit CAN 4 - Short circuit
ComAdblMeaspec_ComErrOfComAdblMeaspec	1761	2	U1019-00	DEF tank module - Communication error
ComAmet_TiOutErrOfComAmetOfCanId585	516114	2	U1003-00	Testbench CAN (Id 585) - Communication error
ComAmet_TiOutErrOfComAmetOfCanId594	516115	2	U1004-00	Testbench CAN (Id 594) - Communication error
ComBauma_TiOutErrOfComBauma	516149	2	U1005-00	Engine Control Unit PME CAN - Communication error
ComEgr1_ComErrOfComEgr1	2791	2	U1024-00	EGR valve - Communication error
ComEngNox_ComErrOfComEngNox	3224	2	U029D-00	NOx sensor (upstream SCR) - Communication error
ComExhBrkVlv1_ComErrOfComExhBrkVlv1	5543	2	U1017-00	Exhaust flap - Communication error
ComFromScr_TiOutErrOfComFromScr	516355	31	U1032-00	Engine control unit - Communication error with aftertreatment control module
ComHndlgSig_FileInvlErrOfInpOutpCfg	516149	11	U1029-00	Engine Control Unit PME CAN - Invalid IO-config file received from Master
ComMac_TiOutErrOfDev19	516564	2	U0164-00	Device Passenger-Operator Climate Control - Communication error
ComMac_TiOutErrOfDev20	1042	2	U0259-00	Device Tractor-Trailer Bridge - Communication error
ComMac_TiOutErrOfDev31	516542	2	U104C-00	Device Primary Cab Controller - Communication error
ComMac_TiOutErrOfDevAbs	973	2	U0121-00	Brakes - System Controller - Communication error
ComMac_TiOutErrOfDevBodyCtrlr	516855	2	U0140-87	Body Controller - Communication error
ComMac_TiOutErrOfDevDshb	516184	2	U1013-00	Dashboard - Communication error
ComMac_TiOutErrOfDevEA	516195	2	U012D-00	Generator Set Controller - Communication error
ComMac_TiOutErrOfDevEE	1620	2	U019A-00	Tachograph - Communication error
ComMac_TiOutErrOfDevMngtCtrl	695	2	U0140-00	Machine - Communication error
ComMac_TiOutErrOfDevRtdr	900	2	U1012-00	Retarder - Driveline - Communication error
ComMac_TiOutErrOfDevTrsm	898	2	U0114-00	Transmission control module - Communication error
ComMacJ1939_ChkSumErrOfDevTrsm	518232	31	U1061-83	CAN frame transmission - Checksum error
ComMacJ1939_ChkSumErrOfDevTrsmForTqSpdCtrl1	4207	31	U0302-83	CAN frame transmission torque speed control - Checksum error
ComMacJ1939_ChkSumErrOfDevTrsmSpdOutpShaft	517025	31	P215B-83	CAN frame transmission output shaft speed - Checksum error
ComMacJ1939_CntrErrOfDevTrsm	518231	31	U1061-82	CAN frame transmission - Counter error
ComMacJ1939_CntrErrOfDevTrsmForTqSpdCtrl1	4206	31	U0302-82	CAN frame transmission torque speed control - Counter error
ComMacJ1939_CntrErrOfDevTrsmSpdOutpShaft	517024	31	P215B-82	CAN frame transmission output shaft speed - Counter error
ComNhllld1_ComErrOfComNhllld1	516198	11	P1276-00	NH3 sensor - Communication error

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ComScrNox1_ComErrOfComScrNox1	3234	2	U029E-00	NOx sensor (downstream SCR) - Communication error
ComTrican_ComErrOfComTrican	516099	2	U1018-00	Air filter combi sensor - Communication error
DiagcSfty_InjRelsErrOfInjr	516838	31	P062B-47	Monitoring System - Injection release ECU internal safety error
DiagcSfty_OverspdErrOfEngSpd	190	11	P0219-47	Monitoring System - Engine overspeed ECU internal safety error
DiagcSfty_PlusErrOfEngSpd	810	31	P0016-64	Monitoring System - Engine speed plausibility ECU internal safety error
DiagcSfty_PlusErrOfStrtrCmd1	516792	11	P3104-00	Monitoring System - Starter plausibility command ECU internal safety error
DiagcSfty_PlusErrOfStrtrCoorr1	516791	11	P3103-00	Monitoring System - Starter plausibility coordinator ECU internal safety error
DiagData_ActvnErrOfProdMod	516841	31	P3135-00	Production Mode - Activated
DpfCoorr_EngStopRgnDiErrOfDpfCoorr	516515	31	P1FE7-00	Particulate filter (DPF) - Engine stop during manual regeneration
DpfCoorr_RgnFaildErrOfDpfCoorr	5319	2	P244C-00	Particulate filter (DPF) - Regeneration failed
DpfCoorr_ThiRgnDiErrOfDpfCoorr	3750	2	P24A2-00	Particulate filter (DPF) - Regeneration stopped (temperature too high)
DpfCoorr_TLoRgnDiErrOfDpfCoorr	3711	2	P244D-00	Particulate filter (DPF) - Regeneration stopped (temperature too low)
DpfLoad_DpfRtWoManRgnExccdErrOfDpfLoad	516516	31	P1FE8-00	Particulate filter (DPF) - Maximum time without manual regeneration has exceeded
DpfLoad_PlusThdHiErrOfDpfLoad	516207	15	P1355-00	Particulate filter (DPF) - Soot load estimation not plausible (too high)
DpfLoad_PlusThdLoErrOfDpfLoad	516207	17	P1356-00	Particulate filter (DPF) - Soot load estimation not plausible (too low)
DpfLoad_SecuThdHiErrOfAshLoad	3720	0	P13E2-00	Particulate filter (DPF) - Critical Ash Load
DpfLoad_SecuThdHiErrOfDpfLoad	3719	0	P24A4-00	Particulate filter (DPF) - Critical Soot Load
DpfLoad_WarnThdHiErrOfAshLoad	3720	15	P242F-00	Particulate filter (DPF) - High Ash Load warning
DpfLoad_WarnThdHiErrOfDpfLoad	3719	15	P2463-00	Particulate filter (DPF) - High Soot Load warning
EmgySt_Cmp15AndEmgyStopErrOfEmgySt	3585	2	P1167-00	Emergency stop - Ignition on while emergency stop is active
EmgySt_StrtInhbErrOfEmgySt	516739	31	P3076-68	Engine - Starter inhibition due to emergency stop activation
EmiRlvPmChk_ChkErrOfEmiRlvPm	516877	13	P064F-00	Header data out of specification
EngBoostMon_MaxDeErrOfIcoChrgrPDwn	3340	11	P1551-00	Intercharger downstream pressure sensor - Pressure too high
EngBoostMon_MinDeErrOfIcoChrgrPDwn	3340	1	P1552-00	Intercharger downstream pressure sensor - Pressure too low
EngBoostMon_NegCtrlDeErrOfAirPBoost	102	18	P0234-00	Boost pressure - Pressure too high
EngBoostMon_PosCtrlDeErrOfAirPBoost	102	16	P0299-00	Boost pressure - Pressure too low
EngOilfilPUpCalcn_OilFilFullErrOfOilFil	99	7	P12F7-97	Oil filter pressure 1 - Blocked / Clogged
EngOilfilPUpCalcn_WarnThdHiErrOfOilfilPUp	516736	15	P3070-00	Oil pressure at inlet engine filter 1 - Overpressure warning
EngOilfilPUpCalcn_WarnThdLoErrOfOilfilPUp	516736	17	P3071-00	Oil pressure at inlet engine filter 1 - Underpressure warning
EngOilLvlCalcn_FillgHiErrOfOilLvl	98	15	P252F-00	Engine oil - Level above maximum
EngOilLvlCalcn_FillgLoErrOfOilLvl	98	17	P250F-00	Engine oil - Level below minimum
EngOilLvlCalcn_FillgLoWarnErrOfOilLvl	98	11	P127A-00	Engine oil - Level low
EngPBoostProtn_PBBoostHiErrOfPBoostProtn	516283	15	P1380-00	Engine protection power reduction - Boost pressure too high
EngPBoostProtn_PBBoostLoErrOfPBoostProtn	516284	17	P1381-00	Engine protection power reduction - Boost pressure too low
EngSpd_NoSyncErrOfEngSpdByRunngSt	516817	31	P0008-92	Engine - Position detection error (based on engine status)
EngSpd_NoSyncErrOfEngSpdByTranToRunng	516818	31	P0008-00	Engine - Position detection error (based on transition to state running)
EngSpd_PhaErrOfEngSpd	516819	31	P3123-62	Speed sensors - Phase angle difference too high
EngSpd_PlusErrOfEngSpdLimpCrk1	190	2	P0335-64	Crankshaft position - Plausibility error
EngSpd_PlusErrOfEngSpdLimpCrk2	516836	2	P0385-64	Crankshaft position 2 - Plausibility error
EngSpd_PlusErrOfEngSpdLimpForCamsft1	636	2	P0340-64	Camshaft position - Plausibility error
EngSpd_PlusErrOfSnsrEngSpdlvt	516510	31	P1FE1-00	Speed sensors - Sensors position inversion error
EngSpdProcg_NoEngBalErrOfEngSpdProcg	516189	15	P1354-00	Imbalanced engine - Speed deviation of one cylinder too high
EngStrt_InhbStrtOfScbErrOfCan1	516737	31	P3074-08	Engine - Start request before CAN is ready (Starter 1)
EngStrt_InhbStrtOfScbErrOfCan2	516738	31	P3075-08	Engine - Start request before CAN is ready (Starter 2)
EngStrt_InhbStrtOfScbErrOfDigInp1	516424	11	P1324-00	Starter digital input - Starter inhibition due to short circuit
EngStrt_InhbStrtOfScbErrOfDigInp2	516425	11	P135A-00	Starter digital input 2 - Starter inhibition due to short circuit

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EngStrtr_THotErrOfStrtr1	677	31	P0615-98	Starter - Locked due to overtemperature
EngStrtr_THotErrOfStrtr2	516369	31	P26E4-98	Starter 2 - Locked due to overtemperature
EngTBoostProtn_AirTHIErrOfTBoostProtn	516150	15	P1346-00	Engine protection power reduction - Intake manifold temperature too high
ExhBrkMngt1_AutCalErrOfExhBrkMngt1	516300	11	P1327-00	Exhaust flap management 1 - Auto calibration error
ExhBrkMngt1_AutLrngErrOfExhBrkMngt1	516301	11	P1328-00	Exhaust flap management 1 - Auto learning error
ExhBrkMngt1_LossLrngErrOfExhBrkMngt1	516302	11	P1329-00	Exhaust flap management 1 - Learnt values lost during normal operation
ExhScrTProtn_InjrTHIErrOfUrealnr	516795	0	P3107-00	SCR system (DEF injector) - Temperature too high
ExhScrTProtn_ScrTHIErrOfScrTProtn	516281	15	P137E-00	Aftertreatment Protection Power Reduction - Temperature too high
ExhTCtrlWithInj_DocFuCnvnLoErrOfExhTCtrlWithInj	5298	1	P20EF-00	DOC - Low conversion efficiency
ExhTCtrlWithInj_ExhLeakDurgLtPostInjErrOfExhTCtrlWithInj	516708	31	P3053-7A	DOC - Post injection leakage
ExhTCtrlWithInj_NoDocErrOfExhTCtrlWithInj	516575	31	P1FF0-00	DOC - Component removed
FuCutOff_OilLvErrOfFuCutOff	516710	31	P3054-7B	Fuel cut off - Insufficient oil level before the engine start
FuCutOff_OilPErrOfFuCutOff	516709	31	P3054-9A	Fuel cut off - Insufficient oil pressure before the engine start
FuDiagPHI1_LeakErrOfFuPHI1	1239	2	P1022-00	Common rail - Leakage
FuDiagPHI1_PcvPwmPlausErrOfFuPHI1	516212	11	P12DB-00	Pressure control valve - PWM signal - Plausibility error
FuDiagPHI1_PmpPhaErrOfFuPHI1	516577	31	P33B5-95	High pressure pump 1 - Installation error
FuDiagPHI1_RailPConErrOfFuPHI1	516131	11	P1021-00	Common rail pressure sensor - No signal variation
FuDiagPHI1_RailPLoStrtgErrOfFuPHI1	516123	11	P1019-00	Common rail - Start pressure too low
FuDiagPHI1_RailPNegCtrlDeErrOfFuPHI1	516121	11	P1024-00	Common rail - Pressure remains above the set point
FuDiagPHI1_RailPPosCtrlDeErrOfFuPHI1	516122	11	P1023-00	Common rail - Pressure remains below the set point
FuDiagPHI1_VcviPlausErrOfFuPHI1	516118	11	P1025-00	Common rail - Plausibility error of VCV current
FuDiagPHI1_VcviPlausWithLrngErrOfFuPHI1	516812	31	P3116-64	Volume control valve - Current plausibility error
FuDiagPHI1_VcvPwmPlausErrOfFuPHI1	516253	31	P12DA-00	Volume control valve - PWM signal - Plausibility error
FuInjAgChk_AgSocErrOfLtPostInj	516179	11	P1117-00	Start of injection (angle) - Late post injection too close to post injection
FuInjAgChk_AgSocErrOfPostInj	516180	11	P1116-00	Start of injection (angle) - Post injection too close to main injection
FuInjAgChk_AgSocErrOfPreInj	516181	11	P1115-00	Start of injection (angle) - Pre injection too close to main injection
FuInjAgChk_AgSocErrOfPrepreInj	516182	11	P1114-00	Start of injection (angle) - Early pre injection too close to pre injection
FuInjDataCalc_LrngErrOfInjr1	516401	31	P1501-00	Injector 1 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr10	516410	31	P1510-00	Injector 10 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr11	516411	31	P1511-00	Injector 11 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr2	516402	31	P1502-00	Injector 2 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr3	516403	31	P1503-00	Injector 3 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr4	516404	31	P1504-00	Injector 4 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr5	516405	31	P1505-00	Injector 5 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr6	516406	31	P1506-00	Injector 6 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr7	516407	31	P1507-00	Injector 7 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr8	516408	31	P1508-00	Injector 8 - Voltage Based Small quantity injection correction failed
FuInjDataCalc_LrngErrOfInjr9	516409	31	P1509-00	Injector 9 - Voltage Based Small quantity injection correction failed
FuPOver1_PThdOverOnEngCycErrOfFuPOver1	516117	11	P1325-00	Common rail - PCV opened due to overpressure
FuTocCorm_MipCalcErrOfCyl1	516429	31	P1521-00	Injector 1 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl12	516435	31	P152C-00	Injector 12 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl2	516451	31	P1522-00	Injector 2 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl3	516455	31	P1523-00	Injector 3 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl4	516457	31	P1524-00	Injector 4 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl5	516459	31	P1525-00	Injector 5 - Error during calculation of minimal injection pulse
FuTocCorm_MipCalcErrOfCyl6	516461	31	P1526-00	Injector 6 - Error during calculation of minimal injection pulse

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FuTocCorrn_MipCalcErrOfCyl7	516463	31	P1527-00	Injector 7 - Error during calculation of minimal injection pulse
FuTocCorrn_MipCalcErrOfCyl8	516465	31	P1528-00	Injector 8 - Error during calculation of minimal injection pulse
FuTocCorrn_MipCalcErrOfCyl9	516467	31	P1529-00	Injector 9 - Error during calculation of minimal injection pulse
FuTocCorrn_MipErrOfCyl1	516430	31	P1535-00	Injector 1 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl12	516436	31	P1540-00	Injector 12 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl2	516452	31	P1536-00	Injector 2 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl3	516456	31	P1537-00	Injector 3 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl4	516458	31	P1538-00	Injector 4 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl5	516460	31	P1539-00	Injector 5 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl6	516462	31	P153A-00	Injector 6 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl7	516464	31	P153B-00	Injector 7 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl8	516466	31	P153C-00	Injector 8 - Minimal injection pulse error
FuTocCorrn_MipErrOfCyl9	516468	31	P153D-00	Injector 9 - Minimal injection pulse error
GndSwTCoorr_ElecErrOfGndSwTOutp	516547	31	P3381-00	Signal Ground Error - Electrical error of one or more of the SGND
InpAccrAux_PlauErrOfAccrAux	516527	2	P1FEC-64	Auxiliary accelerator - Plausibility error
InpAccrAuxU1_GndErrOfAccrAuxU1	516527	14	P1FEC-F0	Auxiliary accelerator - Ground error
InpAccrAuxU1_ScbErrOfAccrAuxU1	516527	3	P1FEC-12	Auxiliary accelerator - Short circuit to battery
InpAccrAuxU1_ScgOrOcErrOfAccrAuxU1	516527	30	P1FEC-14	Auxiliary accelerator - Short circuit to ground or open circuit
InpAccrAuxU1_SnsrSplyErrOfAccrAuxU1	516527	31	P1FEC-1C	Auxiliary accelerator - Supply voltage out of range
InpAccrAuxU2_GndErrOfAccrAuxU2	516570	14	P33AE-F0	Auxiliary accelerator 2 - Ground error
InpAccrAuxU2_ScbErrOfAccrAuxU2	516570	3	P33AE-12	Auxiliary accelerator 2 - Short circuit to battery
InpAccrAuxU2_ScgOrOcErrOfAccrAuxU2	516570	30	P33AE-14	Auxiliary accelerator 2 - Short circuit to ground or open circuit
InpAccrAuxU2_SnsrSplyErrOfAccrAuxU2	516570	31	P33AE-1C	Auxiliary accelerator 2 - Supply voltage out of range
InpAccrPedl_PlauErrOfAccrPedl	516096	11	P2135-00	Accelerator pedal sensor - Plausibility error
InpAccrPedlI1_GndErrOfAccrPedlI1	516097	14	P134F-F0	Accelerator pedal sensor 1 (current) - Ground error
InpAccrPedlI1_ScbErrOfAccrPedlI1	516097	3	P134F-12	Accelerator pedal sensor 1 (current) - Short circuit to battery
InpAccrPedlI1_ScgOrOcErrOfAccrPedlI1	516097	30	P134F-14	Accelerator pedal sensor 1 (current) - Short circuit to ground or open circuit
InpAccrPedlI1_SnsrSplyErrOfAccrPedlI1	516097	31	P134F-1C	Accelerator pedal sensor 1 (current) - Supply voltage out of range
InpAccrPedlI2_GndErrOfAccrPedlI2	516098	14	P1350-F0	Accelerator pedal sensor 2 (current) - Ground error
InpAccrPedlI2_ScbErrOfAccrPedlI2	516098	3	P1350-12	Accelerator pedal sensor 2 (current) - Short circuit to battery
InpAccrPedlI2_ScgOrOcErrOfAccrPedlI2	516098	30	P1350-14	Accelerator pedal sensor 2 (current) - Short circuit to ground or open circuit
InpAccrPedlI2_SnsrSplyErrOfAccrPedlI2	516098	31	P1350-1C	Accelerator pedal sensor 2 (current) - Supply voltage out of range
InpAccrPedIU1_GndErrOfAccrPedIU1	91	14	P0120-F0	Accelerator pedal sensor 1 (voltage) - Ground error
InpAccrPedIU1_ScbErrOfAccrPedIU1	91	3	P0120-12	Accelerator pedal sensor 1 (voltage) - Short circuit to battery
InpAccrPedIU1_ScgOrOcErrOfAccrPedIU1	91	30	P0120-14	Accelerator pedal sensor 1 (voltage) - Short circuit to ground or open circuit
InpAccrPedIU1_SnsrSplyErrOfAccrPedIU1	91	31	P0120-1C	Accelerator pedal sensor 1 (voltage) - Supply voltage out of range
InpAccrPedIU2_GndErrOfAccrPedIU2	2623	14	P0220-F0	Accelerator pedal sensor 2 (voltage) - Ground error
InpAccrPedIU2_ScbErrOfAccrPedIU2	2623	3	P0220-12	Accelerator pedal sensor 2 (voltage) - Short circuit to battery
InpAccrPedIU2_ScgOrOcErrOfAccrPedIU2	2623	30	P0220-14	Accelerator pedal sensor 2 (voltage) - Short circuit to ground or open circuit
InpAccrPedIU2_SnsrSplyErrOfAccrPedIU2	2623	31	P0220-1C	Accelerator pedal sensor 2 (voltage) - Supply voltage out of range
InpAdblP1_GndErrOfAdblP1	4334	14	P204A-F0	SCR system (DEF pressure sensor) - Ground error
InpAdblP1_ScbErrOfAdblP1	4334	3	P204D-00	SCR system (DEF pressure sensor) - Short circuit to battery
InpAdblP1_ScgOrOcErrOfAdblP1	4334	30	P204C-00	SCR system (DEF pressure sensor) - Short circuit to ground or open circuit
InpAdblP1_SnsrSplyErrOfAdblP1	4334	31	P204A-1C	SCR system (DEF pressure sensor) - Supply voltage out of range
InpAdblT1_GndErrOfAdblT1	4337	14	P2042-F0	SCR system (DEF temperature sensor) - Ground error
InpAdblT1_OcErrOfAdblT1	4337	5	P2042-13	SCR system (DEF temperature sensor) - Open circuit

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InpAdblT1_ScbErrOfAdblT1	4337	3	P2045-00	SCR system (DEF temperature sensor) - Short circuit to battery
InpAdblT1_ScgErrOfAdblT1	4337	4	P2044-00	SCR system (AdBlue temperature sensor) - Short circuit to ground
InpAdblT1_SecuThdHiErrOfAdblT1	4337	0	P1166-00	SCR system (DEF temperature) - Critical overtemperature
InpAdblT1_SnsrSplyErrOfAdblT1	4337	31	P1337-00	SCR system (DEF temperature sensor) - Supply voltage out of range
InpAdblT1_WarnThdHiErrOfAdblT1	4337	15	P1058-00	SCR system (DEF temperature) - Overtemperature warning
InpAdblTank_OcErrOfAdblLvl	1761	3	P203A-13	DEF tank (level sensor) - Open circuit
InpAdblTank_OcErrOfAdblTankT	3031	3	P205A-13	DEF tank (temperature sensor) - Open circuit
InpAdblTank_OcErrOfAdblTankTAtSuctnPosn	3515	3	P1241-22	DEF tank (temperature sensor at suction position) - Open circuit
InpAdblTank_OorHiErrOfAdblLvl	1761	0	P203A-22	DEF tank (level sensor) - Value out of maximum range
InpAdblTank_OorHiErrOfAdblQly	3364	0	P206A-22	DEF tank (quality sensor) - Value out of maximum range
InpAdblTank_OorHiErrOfAdblTankT	3031	0	P205A-22	DEF tank (temperature sensor) - Value out of maximum range
InpAdblTank_OorHiErrOfAdblTankTAtSuctnPosn	3515	0	P1242-21	DEF tank (temperature sensor at suction position) - Value out of maximum range
InpAdblTank_OorLoErrOfAdblLvl	1761	1	P203A-21	DEF tank (level sensor) - Value out of minimum range
InpAdblTank_OorLoErrOfAdblQly	3364	1	P206A-21	DEF tank (quality sensor) - Value out of minimum range
InpAdblTank_OorLoErrOfAdblTankT	3031	1	P205A-21	DEF tank (temperature sensor) - Value out of minimum range
InpAdblTank_OorLoErrOfAdblTankTAtSuctnPosn	3515	1	P1243-13	DEF tank (temperature sensor at suction position) - Value out of minimum range
InpAdblTank_OpticErrOfAdblQly	3364	11	P1246-00	DEF tank (quality sensor) - Optical error
InpAdblTank_ScErrOfAdblLvl	1761	4	P1066-00	DEF tank (level sensor) - Short circuit
InpAdblTank_ScErrOfAdblTankT	3031	4	P1064-00	DEF tank (temperature sensor) - Short circuit
InpAdblTank_ScErrOfAdblTankTAtSuctnPosn	3515	4	P1244-00	DEF tank (temperature sensor at suction position) - Short circuit
InpAdblTank_WarnThdHiErrOfAdblTankT	3031	15	P1065-00	DEF tank - Overtemperature warning
InpAdblTank_WarnThdHiErrOfAdblTankTAtSuctnPosn	3515	15	P1245-00	DEF tank (temperature sensor at suction position) - Overtemperature warning
InpAirAftAirFil_AmbHumRelErrOfComTrican	354	31	P1557-00	Air filter combi sensor (Ambient humidity) - Relative ambient humidity error
InpAirAftAirFil_AmbHumSpcErrOfComTrican	4490	31	P1556-00	Air filter combi sensor (Ambient humidity) - Specific ambient humidity error
InpAirAftAirFil_PErrOfComTrican	106	11	P1558-00	Air filter combi sensor (Pressure) - Pressure error of Trican sensor
InpAirAftAirFil_TErrOfComTrican	172	11	P1559-00	Air filter combi sensor (Temperature) - Temperature error of Trican sensor
InpAirAftAirFil_TIntErrOfComTrican	516099	31	P1555-00	Air filter combi sensor - Internal temperature error
InpAirPBoost1_GndErrOfAirPBoost1	102	14	P0235-F0	Intake manifold pressure sensor - Ground error
InpAirPBoost1_ScbErrOfAirPBoost1	102	3	P0238-00	Intake manifold pressure sensor - Short circuit to battery
InpAirPBoost1_ScgOrOcErrOfAirPBoost1	102	30	P0237-00	Intake manifold pressure sensor - Short circuit to ground or open circuit
InpAirPBoost1_SecuThdHiErrOfAirPBoost1	102	0	P1014-00	Intake manifold - Critical overpressure
InpAirPBoost1_SecuThdLoErrOfAirPBoost1	102	1	P140C-00	Intake manifold - Critical underpressure
InpAirPBoost1_SnsrSplyErrOfAirPBoost1	102	31	P0235-1C	Intake manifold pressure sensor - Supply voltage out of range
InpAirPBoost1_WarnThdHiErrOfAirPBoost1	102	15	P1013-00	Intake manifold - Overpressure warning
InpAirPBoost1_WarnThdLoErrOfAirPBoost1	102	17	P140B-00	Intake manifold - Underpressure warning
InpAirTAftAirFil1_GndErrOfAirTAftAirFil1	1172	14	P12C0-F0	Compressor inlet temperature sensor - Ground error
InpAirTAftAirFil1_OcErrOfAirTAftAirFil1	1172	5	P12C0-13	Compressor inlet temperature sensor - Open circuit
InpAirTAftAirFil1_ScbErrOfAirTAftAirFil1	1172	3	P12BE-00	Compressor inlet temperature sensor - Short circuit to battery
InpAirTAftAirFil1_ScgErrOfAirTAftAirFil1	1172	4	P12BF-00	Compressor inlet temperature sensor - Short circuit to ground
InpAirTAftAirFil1_SnsrSplyErrOfAirTAftAirFil1	1172	31	P12C0-1C	Compressor inlet temperature sensor - Supply voltage out of range
InpAirTBoost1_GndErrOfAirTBoost1	105	14	P1008-F0	Intake manifold temperature sensor - Ground error
InpAirTBoost1_OcErrOfAirTBoost1	105	5	P1008-13	Intake manifold temperature sensor - Open circuit
InpAirTBoost1_ScbErrOfAirTBoost1	105	3	P1006-00	Intake manifold temperature sensor - Short circuit to battery
InpAirTBoost1_ScgErrOfAirTBoost1	105	4	P1007-00	Intake manifold temperature sensor - Short circuit to ground
InpAirTBoost1_SecuThdHiErrOfAirTBoost1	105	0	P1012-00	Intake manifold - Critical overtemperature
InpAirTBoost1_SnsrSplyErrOfAirTBoost1	105	31	P1008-1C	Intake manifold temperature sensor - Supply voltage out of range

Error name	SPN	FMI	DTCode	Error Text
InpAirTBoost1_WarnThdHiErrOfAirTBoost1	105	15	P1011-00	Intake manifold - Overtemperature warning
InpAltLoadIndcn1_GndErrOfAltLoadIndcn1	516104	14	P1171-F0	Alternator (frequency input) - Ground error
InpAltLoadIndcn1_SnsrSplyErrOfAltLoadIndcn1	516104	31	P1171-1C	Alternator (frequency input) - Supply voltage out of range
InpAltU1_ScgOrOcErrOfAltU1	516106	30	P1168-00	Alternator (output voltage) - Short circuit to ground or open circuit
InpAltU1_SecuThdHiErrOfAltU1	516106	0	P1210-00	Alternator (output voltage) - Critical overvoltage
InpAltU1_WarnThdHiErrOfAltU1	516106	15	P1209-00	Alternator (output voltage) - Overvoltage warning
InpAmbT1_GndErrOfAmbT1	171	14	P0070-F0	Ambient temperature sensor - Ground error
InpAmbT1_OcErrOfAmbT1	171	5	P0070-13	Ambient temperature sensor - Open circuit
InpAmbT1_ScbErrOfAmbT1	171	3	P0073-00	Ambient temperature sensor - Short circuit to battery
InpAmbT1_ScgErrOfAmbT1	171	4	P0072-00	Ambient temperature sensor - Short circuit to ground
InpAmbT1_SnsrSplyErrOfAmbT1	171	31	P1336-00	Ambient temperature sensor - Supply voltage out of range
InpCluPedlDiagMon_NeutErrOfCluPedl	598	31	P086B-92	Clutch Pedal - Neutral edge not detected
InpCluPedlDiagMon_PlausErrOfCluPedl12	516816	31	P30A0-62	Neutral Switches for Regeneration - Plausibility error
InpCluPedlDiagMon_ScbDetdAtStrtErrOfCluPedl12	516816	3	P30A0-12	Neutral Switches for Regeneration - Short circuit to battery
InpCooltLvl1_GndErrOfCooltLvl1	111	14	P2556-F0	Coolant level sensor - Ground error
InpCooltLvl1_OorErrOfCooltLvl1	111	11	P2557-00	Coolant level sensor - Value out of range
InpCooltLvl1_ScbErrOfCooltLvl1	111	3	P2559-12	Coolant level sensor - Short circuit to battery
InpCooltLvl1_ScgOrOcErrOfCooltLvl1	111	30	P2558-14	Coolant level sensor - Short circuit to ground or open circuit
InpCooltLvl1_SnsrSplyErrOfCooltLvl1	111	31	P2557-1C	Coolant level sensor - Supply voltage out of range
InpCooltLvl1_WarnThdLoErrOfCooltLvl1	111	1	P2560-00	Engine coolant - Level low
InpCooltT1_GndErrOfCooltT1	110	14	P0115-F0	Coolant temperature sensor - Ground error
InpCooltT1_OcErrOfCooltT1	110	5	P0115-13	Coolant temperature sensor - Open circuit
InpCooltT1_ScbErrOfCooltT1	110	3	P0118-00	Coolant temperature sensor - Short circuit to battery
InpCooltT1_ScgErrOfCooltT1	110	4	P0117-00	Coolant temperature sensor - Short circuit to ground
InpCooltT1_SecuThdHiErrOfCooltT1	110	0	P1016-00	Engine coolant - Critical overtemperature
InpCooltT1_SnsrSplyErrOfCooltT1	110	31	P0115-1C	Coolant temperature sensor - Supply voltage out of range
InpCooltT1_WarnThdHiErrOfCooltT1	110	15	P1015-00	Engine coolant - Overtemperature warning
InpCrsCtrl1_SecuThdHiErrOfCrsCtrl1	516674	0	P3042-00	Positive speed adjustment button - Critical activation overtime
InpCrsCtrl1_WarnThdHiErrOfCrsCtrl1	516674	15	P3042-9E	Positive speed adjustment button - Activation warning overtime
InpCrsCtrl2_SecuThdHiErrOfCrsCtrl2	516675	0	P3043-00	Negative speed adjustment button - Critical activation overtime
InpCrsCtrl2_WarnThdHiErrOfCrsCtrl2	516675	15	P3043-9E	Negative speed adjustment button - Activation warning overtime
InpCrsCtrl3_SecuThdHiErrOfCrsCtrl3	516676	0	P3044-00	Cruise control button 3 - Critical activation overtime
InpCrsCtrl3_WarnThdHiErrOfCrsCtrl3	516676	15	P3044-9E	Cruise control button 3 - Activation warning overtime
InpCrsCtrl4_SecuThdHiErrOfCrsCtrl4	516673	0	P3041-00	PTO Off button - Critical activation overtime
InpCrsCtrl4_WarnThdHiErrOfCrsCtrl4	516673	15	P3041-9F	PTO Off button - Activation warning overtime
InpCrsCtrl5_SecuThdHiErrOfCrsCtrl5	516671	0	P303D-00	Low idle speed adjustment release button - Critical activation overtime
InpCrsCtrl5_WarnThdHiErrOfCrsCtrl5	516671	15	P303D-9E	Low idle speed adjustment release button - Activation warning overtime
InpCrsCtrl6_SecuThdHiErrOfCrsCtrl6	516672	0	P3040-00	PTO On button - Critical activation overtime
InpCrsCtrl6_WarnThdHiErrOfCrsCtrl6	516672	15	P3040-9E	PTO On button - Activation warning overtime
InpDiagCamsft1_StopToEdgeTranErrOfCamsft1	516820	31	P3124-38	Camshaft position - Signal edge detection error
InpDiagCamsft1_SyncnErrOfCamsft1	516822	31	P3126-00	Camshaft position - Teeth recognition error
InpDiagCamsft1_ToothSeqNotDetdErrOfCamsft1	516821	31	P3125-00	Camshaft position - Teeth sequence detection error
InpDiagCamsft1_UkwnToothErrOfCamsft1	516823	31	P3127-00	Camshaft position - Expected teeth not detected
InpDiagCrksft1_RevWoGapErrOfCrksft1	516824	31	P3128-00	Crankshaft position - Teeth without gap
InpDiagCrksft1_ToothMissErrOfCrksft1	516825	31	P3129-00	Crankshaft position - Tooth missing
InpDiagCrksft1_WinAcptErrOfCrksft1	516827	31	P3132-38	Crankshaft position - Signal edge not in acceptance window

Error name	SPN	FMI	DTCode	Error Text
InpDocTUp1_GndErrOfDocTUp1	4765	14	P0544-F0	Exhaust gas temperature sensor (upstream DOC) - Ground error
InpDocTUp1_OcErrOfDocTUp1	4765	5	P0544-13	Exhaust gas temperature sensor (upstream DOC) - Open circuit
InpDocTUp1_ScbErrOfDocTUp1	4765	3	P0546-00	Exhaust gas temperature sensor (upstream DOC) - Short circuit to battery
InpDocTUp1_ScgErrOfDocTUp1	4765	4	P0544-11	Exhaust gas temperature sensor (upstream DOC) - Short circuit to ground
InpDocTUp1_SecuThdHiErrOfDocTUp1	4765	0	P1253-00	Exhaust gas temperature sensor (upstream DOC) - Critical overtemperature
InpDocTUp1_SnsrSplyErrOfDocTUp1	4765	31	P0544-1C	Exhaust gas temperature sensor (upstream DOC) - Supply voltage out of range
InpDocTUp1_WarnThdHiErrOfDocTUp1	4765	15	P1252-00	Exhaust gas temperature sensor (upstream DOC) - Overtemperature warning
InpDocTUpPlaus1_PlausErrOfDocTUpPlaus1	4765	2	P0544-64	Exhaust gas temperature sensor (upstream DOC) - Plausibility error
InpDpfDrvrRgn1_SecuThdHiErrOfDpfDrvrRgn1	516761	0	P3090-63	Particulate filter (DPF) - Driver Regeneration is maintained for too long (security threshold)
InpDpfDrvrRgn1_WarnThdHiErrOfDpfDrvrRgn1	516761	15	P3089-63	Particulate filter (DPF) - Driver Regeneration is maintained for too long (warning threshold)
InpDpfDrpRaw1_GndErrOfDpfDrpRaw1	3251	14	P2453-F0	Differential pressure sensor DPF - Ground error
InpDpfDrpRaw1_ScbErrOfDpfDrpRaw1	3251	3	P2455-12	Differential pressure sensor DPF - Short circuit to battery
InpDpfDrpRaw1_ScgOrOcErrOfDpfDrpRaw1	3251	30	P2454-14	Differential pressure sensor DPF - Short circuit to ground or open circuit
InpDpfDrpRaw1_SnsrSplyErrOfDpfDrpRaw1	3251	31	P133D-00	Differential pressure sensor DPF - Supply voltage out of range
InpEcuPwrSplyl_SecuThdHiErrOfEcuPwrSplyl	516747	0	P2506-18	ECU power supply (current) - Critical overcurrent
InpEcuPwrSplyl_WarnThdHiErrOfEcuPwrSplyl	516747	15	P1FDE-00	ECU power supply (current) - Overcurrent warning
InpEcuT_SecuThdHiErrOfEcuT	1136	0	P12E4-00	ECU - Critical overtemperature
InpEcuT_WarnThdHiErrOfEcuT	1136	15	P12E5-00	ECU - Overtemperature warning
InpEgr1_ActrPosnErrOfEgr1	5829	31	P1562-00	EGR valve - No sensor position data available
InpEgr1_CalErrOfEgr1	27	13	P1213-00	EGR valve - Calibration error
InpEgr1_ComErrOfEgr1	2791	11	U010A-00	EGR valve - Communication error detected by control module
InpEgr1_CtrlDeErrOfEgr1	5829	11	P1215-00	EGR valve - Control deviation error
InpEgr1_HwErrOfEgr1	5771	14	P1211-00	EGR valve - Hardware error
InpEgr1_OorPwrSplyErrOfEgr1	27	31	P1216-00	EGR valve - Supply voltage out of range
InpEgr1_RefErrOfEgr1	27	11	P1214-00	EGR valve - Invalid reference position
InpEgr1_SnsrPosnErrOfEgr1	27	7	P1217-00	EGR valve - Position sensor error
InpEgr1_ThiErrOfEgr1	412	15	P1212-00	EGR valve - Overtemperature warning
InpEngNox_OcErrOfEngNox	3224	5	P2200-13	NOx sensor (upstream SCR) - Open circuit
InpEngNox_ScErrOfEngNox	3224	3	P1129-00	NOx sensor (upstream SCR) - Short circuit
InpExhBrkVlv1_ActrPosnErrOfExhBrkVlv1	516471	31	P154B-00	Exhaust flap - No sensor position data available
InpExhBrkVlv1_CalErrOfExhBrkVlv1	5543	13	P1142-00	Exhaust flap - Calibration error
InpExhBrkVlv1_ComErrOfExhBrkVlv1	5543	11	U1016-00	Exhaust flap - Communication error detected by control module
InpExhBrkVlv1_CtrlDeErrOfExhBrkVlv1	516151	11	P1144-00	Exhaust flap - Control deviation error
InpExhBrkVlv1_HwErrOfExhBrkVlv1	516152	11	P1140-00	Exhaust flap - Hardware error
InpExhBrkVlv1_OorPwrSplyErrOfExhBrkVlv1	5543	31	P1145-00	Exhaust flap - Supply voltage out of range
InpExhBrkVlv1_RefErrOfExhBrkVlv1	516153	11	P1143-00	Exhaust flap - Invalid reference position
InpExhBrkVlv1_SnsrPosnErrOfExhBrkVlv1	5543	7	P1146-00	Exhaust flap - Position sensor error
InpExhBrkVlv1_ThiErrOfExhBrkVlv1	516154	11	P1141-00	Exhaust flap - Overtemperature warning
InpFanN1_GndErrOfFanN1	1639	14	P0526-F0	Fan speed input 1 - Ground error
InpFanN1_ScbErrOfFanN1	1639	3	P0526-12	Fan speed input 1 - Short circuit to battery
InpFanN1_ScbOrOcErrOfFanN1	1639	29	P0526-15	Fan speed input 1 - Short circuit to battery or open circuit
InpFanN1_ScgErrOfFanN1	1639	4	P0526-11	Fan speed input 1 - Short circuit to ground
InpFanN1_ScgOrOcErrOfFanN1	1639	30	P0526-14	Fan speed input 1 - Short circuit to ground or open circuit
InpFanN1_SnsrSplyErrOfFanN1	1639	31	P0526-1C	Fan speed input 1 - Supply voltage out of range
InpFanN2_GndErrOfFanN2	1598	14	P3398-F0	Fan speed input 2 - Ground error
InpFanN2_ScbErrOfFanN2	1598	3	P3398-12	Fan speed input 2 - Short circuit to battery

Error name	SPN	FMI	DTCode	Error Text
InpFanN2_ScbOrOcErrOfFanN2	1598	29	P3398-15	Fan speed input 2 - Short circuit to battery or open circuit
InpFanN2_ScgErrOfFanN2	1598	4	P3398-11	Fan speed input 2 - Short circuit to ground
InpFanN2_ScgOrOcErrOfFanN2	1598	30	P3398-14	Fan speed input 2 - Short circuit to ground or open circuit
InpFanN2_SnsrSplyErrOfFanN2	1598	31	P3398-1C	Fan speed input 2 - Supply voltage out of range
InpFuLeakAtRail1_OorErrOfFuLeakAtRail1	1239	11	P1316-00	Common rail leakage sensor 1 - Value out of range
InpFuLeakAtRail1_ScbErrOfFuLeakAtRail1	1239	3	P1314-00	Common rail leakage sensor 1 - Short circuit to battery
InpFuLeakAtRail1_ScgOrOcErrOfFuLeakAtRail1	1239	30	P1315-00	Common rail leakage sensor 1 - Short circuit to ground or open circuit
InpFuLeakAtRail1_SecuThdHiErrOfFuLeakAtRail1	1239	0	P12B7-00	Common rail leakage sensor 1 - Fuel leak
InpFuLeakAtRail1_SnsrSplyErrOfFuLeakAtRail1	1239	31	P155A-1C	Common rail leakage sensor 1 - Supply voltage out of range
InpFuPHi1_GndErrOfFuPHi1	157	14	P0190-F0	Common rail pressure sensor - Ground error
InpFuPHi1_ScbOrOcErrOfFuPHi1	157	29	P0193-00	Common rail pressure sensor - Short circuit to battery or open circuit
InpFuPHi1_ScgErrOfFuPHi1	157	4	P0192-00	Common rail pressure sensor - Short circuit to ground
InpFuPHi1_SecuThdHiErrOfFuPHi1	157	0	P1027-00	Common rail - Critical overpressure
InpFuPHi1_SnsrSplyErrOfFuPHi1	157	31	P0190-1C	Common rail pressure sensor - Supply voltage out of range
InpFuPHi1_WarnThdHiErrOfFuPHi1	157	15	P1026-00	Common rail - Overpressure warning
InpFuPHiPlaus_PPlausErrOfFuPHiPlaus	157	2	P13FE-00	Common rail - Plausibility error
InpFuPLo1_GndErrOfFuPLo1	94	14	P2539-F0	Fuel supply pressure sensor - Ground error
InpFuPLo1_ScbErrOfFuPLo1	94	3	P2542-00	Fuel supply pressure sensor - Short circuit to battery
InpFuPLo1_ScgOrOcErrOfFuPLo1	94	30	P2541-00	Fuel supply pressure sensor - Short circuit to ground or open circuit
InpFuPLo1_SecuThdHiErrOfFuPLo1	94	0	P1193-00	Fuel supply - Critical overpressure
InpFuPLo1_SecuThdLoErrOfFuPLo1	94	1	P1194-00	Fuel supply - Critical underpressure
InpFuPLo1_SnsrSplyErrOfFuPLo1	94	31	P1339-00	Fuel supply pressure sensor - Supply voltage out of range
InpFuPLo1_WarnThdHiErrOfFuPLo1	94	15	P1028-00	Fuel supply - Overpressure warning
InpFuPLo1_WarnThdLoErrOfFuPLo1	94	17	P1029-00	Fuel supply - Underpressure warning
InpFuT1_GndErrOfFuT1	174	14	P0180-F0	Fuel temperature sensor - Ground error
InpFuT1_OcErrOfFuT1	174	5	P0180-13	Fuel temperature sensor - Open circuit
InpFuT1_ScbErrOfFuT1	174	3	P0183-00	Fuel temperature sensor - Short circuit to battery
InpFuT1_ScgErrOfFuT1	174	4	P0182-00	Fuel temperature sensor - Short circuit to ground
InpFuT1_SecuThdHiErrOfFuT1	174	0	P1031-00	Fuel supply - Critical overtemperature
InpFuT1_SnsrSplyErrOfFuT1	174	31	P0180-1C	Fuel temperature sensor - Supply voltage out of range
InpFuT1_WarnThdHiErrOfFuT1	174	15	P1030-00	Fuel supply - Overtemperature warning
InplcoTDwn1_GndErrOfIcoTDwn1	2630	14	P007A-F0	Intercooler downstream temperature sensor - Ground error
InplcoTDwn1_OcErrOfIcoTDwn1	2630	5	P007A-13	Intercooler downstream temperature sensor - Open circuit
InplcoTDwn1_ScbErrOfIcoTDwn1	2630	3	P007D-00	Intercooler downstream temperature sensor - Short circuit to battery
InplcoTDwn1_ScgErrOfIcoTDwn1	2630	4	P007C-00	Intercooler downstream temperature sensor - Short circuit to ground
InplcoTDwn1_SecuThdHiErrOfIcoTDwn1	2630	0	P1256-00	Intercooler downstream temperature sensor - Critical overtemperature
InplcoTDwn1_SnsrSplyErrOfIcoTDwn1	2630	31	P007A-1C	Intercooler downstream temperature sensor - Supply voltage out of range
InplcoTDwn1_WarnThdHiErrOfIcoTDwn1	2630	15	P1255-00	Intercooler downstream temperature sensor - Overtemperature warning
InpObdDi1_SecuThdHiErrOfObdDi1	516116	2	P132D-00	Battle switch - Activated
InpOilLv1_GndErrOfOilLv1	98	14	P250A-F0	Oil level sensor - Ground error
InpOilLv1_ScbErrOfOilLv1	98	3	P250D-00	Oil level sensor - Short circuit to battery
InpOilLv1_ScgOrOcErrOfOilLv1	98	30	P250C-00	Oil level sensor - Short circuit to ground or open circuit
InpOilLvPlaus1_ElecDiagErrOfOilLvHi	516361	2	P13F2-01	Oil level sensor high - Electrical error
InpOilLvPlaus1_ElecDiagErrOfOilLvLo	516363	2	P13F6-01	Oil level sensor low - Electrical error
InpOilLvPlaus1_ElecDiagErrOfOilLvMed	516362	2	P13F4-01	Oil level sensor medium - Electrical error
InpOilLvPlaus1_PlausErrOfOilLv	516545	31	P1FE4-00	Engine oil level sensors - Plausibility error



Error name	SPN	FMI	DTCode	Error Text
InpOilP1_GndErrOfOilP1	100	14	P0520-F0	Oil pressure sensor - Ground error
InpOilP1_ScbErrOfOilP1	100	3	P0523-00	Oil pressure sensor - Short circuit to battery
InpOilP1_ScgOrOcErrOfOilP1	100	30	P0522-00	Oil pressure sensor - Short circuit to ground or open circuit
InpOilP1_SecuThdHiErrOfOilP1	100	0	P303F-00	Engine oil - Critical overpressure
InpOilP1_SecuThdLoErrOfOilP1	100	1	P1032-00	Engine oil - Critical underpressure
InpOilP1_SnsrSplyErrOfOilP1	100	31	P1338-00	Oil pressure sensor - Supply voltage out of range
InpOilP1_WarnThdHiErrOfOilP1	100	15	P303E-00	Engine oil - Overpressure warning
InpOilP1_WarnThdLoErrOfOilP1	100	17	P0524-00	Engine oil - Underpressure warning
InpOilT1_GndErrOfOilT1	175	14	P0195-F0	Oil temperature sensor - Ground error
InpOilT1_OcErrOfOilT1	175	5	P0195-13	Oil temperature sensor - Open circuit
InpOilT1_ScbErrOfOilT1	175	3	P0198-00	Oil temperature sensor - Short circuit to battery
InpOilT1_ScgErrOfOilT1	175	4	P0195-11	Oil temperature sensor - Short circuit to ground
InpOilT1_SecuThdHiErrOfOilT1	175	0	P1035-00	Engine oil - Critical overtemperature
InpOilT1_SnsrSplyErrOfOilT1	175	31	P0195-1C	Oil temperature sensor - Supply voltage out of range
InpOilT1_WarnThdHiErrOfOilT1	175	15	P1034-00	Engine oil - Overtemperature warning
InpOilTHyd1_GndErrOfOilTHyd1	5536	14	P1077-F0	Hydraulic oil temperature sensor - Ground error
InpOilTHyd1_OcErrOfOilTHyd1	5536	5	P1077-13	Hydraulic oil temperature sensor - Open circuit
InpOilTHyd1_ScbErrOfOilTHyd1	5536	3	P1075-00	Hydraulic oil temperature sensor - Short circuit to battery
InpOilTHyd1_ScgErrOfOilTHyd1	5536	4	P1076-00	Hydraulic oil temperature sensor - Short circuit to ground
InpOilTHyd1_SecuThdHiErrOfOilTHyd1	5536	0	P1081-00	Hydraulic oil - Critical overtemperature
InpOilTHyd1_SnsrSplyErrOfOilTHyd1	5536	31	P1077-1C	Hydraulic oil temperature sensor - Supply voltage out of range
InpOilTHyd1_WarnThdHiErrOfOilTHyd1	5536	15	P1080-00	Hydraulic oil - Overtemperature warning
InpPmpDftlGbxT1_GndErrOfPmpDftlGbxT1	177	14	P1271-F0	Transfer case temperature sensor - Ground error
InpPmpDftlGbxT1_OcErrOfPmpDftlGbxT1	177	5	P1271-13	Transfer case temperature sensor - Open circuit
InpPmpDftlGbxT1_ScbErrOfPmpDftlGbxT1	177	3	P1269-00	Transfer case temperature sensor - Short circuit to battery
InpPmpDftlGbxT1_ScgErrOfPmpDftlGbxT1	177	4	P1270-00	Transfer case temperature sensor - Short circuit to ground
InpPmpDftlGbxT1_SecuThdHiErrOfPmpDftlGbxT1	177	0	P1135-00	Transfer case temperature sensor - Critical overtemperature
InpPmpDftlGbxT1_SnsrSplyErrOfPmpDftlGbxT1	177	31	P1271-1C	Transfer case temperature sensor - Supply voltage out of range
InpPmpDftlGbxT1_WarnThdHiErrOfPmpDftlGbxT1	177	15	P1134-00	Transfer case temperature sensor - Overtemperature warning
InpPwrSply1_SecuThdLoErrOfPwrSply1	168	1	U3003-F1	Power supply - Critical undervoltage
InpPwrSply1_WarnThdHiErrOfPwrSply1	168	15	U3003-16	Power supply - Overvoltage warning
InpPwrSply1_WarnThdLoErrOfPwrSply1	168	17	U3003-17	Power supply - Undervoltage warning
InpScrAirP1_GndErrOfScrAirP1	4335	14	P2037-F0	SCR system (air pressure sensor) - Ground error
InpScrAirP1_ScbErrOfScrAirP1	4335	3	P2040-00	SCR system (air pressure sensor) - Short circuit to battery
InpScrAirP1_ScgOrOcErrOfScrAirP1	4335	30	P2039-00	SCR system (air pressure sensor) - Short circuit to ground or open circuit
InpScrAirP1_SnsrSplyErrOfScrAirP1	4335	31	P2037-1C	SCR system (air pressure sensor) - Supply voltage out of range
InpScrNhlllDwn1_ElecErrOfScrNhlllDwn	4380	11	P1163-00	NH3 sensor - Electrical error
InpScrNhlllDwn1_FacErrOfScrNhlllDwn	516202	11	P1162-00	NH3 sensor - Module-sensor communication error
InpScrNhlllDwn1_HeatrErrOfScrNhlllDwn	4383	2	P1160-00	NH3 sensor - Heater performance error
InpScrNhlllDwn1_IntErrOfScrNhlllDwn	516200	11	P1180-00	NH3 sensor - Internal memory error
InpScrNhlllDwn1_RErrOfScrNhlllDwn	516201	11	P1161-00	NH3 sensor - Resistance error
InpScrNhlllDwn1_WarnThdHiErrOfConcOfNhlllDwn	516199	15	P1280-00	NH3 sensor - High NH3 concentration
InpScrNox1_OcErrOfScrNox	3234	5	P229E-13	NOx sensor (downstream SCR) - Open circuit
InpScrNox1_ScErrOfScrNox	3234	3	P1003-00	NOx sensor (downstream SCR) - Short circuit
InpScrSlave_ActvErrOfScrSlave	516487	0	P154A-00	Aftertreatment control module - Error detected
InpScrSlave_InfoErrOfLimnFromSlave1	516341	0	P13E1-00	Aftertreatment control module - Emission relevant error

Error name	SPN	FMI	DTCode	Error Text
InpScrTDwn1_GndErrOfScrTDwn1	4363	14	P242A-F0	Exhaust gas temperature sensor (downstream SCR) - Ground error
InpScrTDwn1_OcErrOfScrTDwn1	4363	5	P242A-13	Exhaust gas temperature sensor (downstream SCR) - Open circuit
InpScrTDwn1_ScbErrOfScrTDwn1	4363	3	P242D-00	Exhaust gas temperature sensor (downstream SCR) - Short circuit to battery
InpScrTDwn1_ScgErrOfScrTDwn1	4363	4	P242C-00	Exhaust gas temperature sensor (downstream SCR) - Short circuit to ground
InpScrTDwn1_SecuThdHiErrOfScrTDwn1	4363	0	P1268-00	Exhaust gas temperature (downstream SCR) - Critical overtemperature
InpScrTDwn1_SnsrSplyErrOfScrTDwn1	4363	31	P242A-1C	Exhaust gas temperature sensor (downstream SCR) - Supply voltage out of range
InpScrTDwn1_WarnThdHiErrOfScrTDwn1	4363	15	P1267-00	Exhaust gas temperature (downstream SCR) - Overtemperature warning
InpScrTDwnPlaus1_PlausErrOfScrTDwnPlaus1	4363	2	P242B-64	Exhaust gas temperature sensor (downstream SCR) - Plausibility error
InpScrTUp1_GndErrOfScrTUp1	4360	14	P2031-F0	Exhaust gas temperature sensor (upstream SCR) - Ground error
InpScrTUp1_OcErrOfScrTUp1	4360	5	P2031-13	Exhaust gas temperature sensor (upstream SCR) - Open circuit
InpScrTUp1_ScbErrOfScrTUp1	4360	3	P2033-00	Exhaust gas temperature sensor (upstream SCR) - Short circuit to battery
InpScrTUp1_ScgErrOfScrTUp1	4360	4	P2032-00	Exhaust gas temperature sensor (upstream SCR) - Short circuit to ground
InpScrTUp1_SecuThdHiErrOfScrTUp1	4360	0	P1074-00	Exhaust gas temperature (upstream SCR) - Critical overtemperature
InpScrTUp1_SnsrSplyErrOfScrTUp1	4360	31	P2031-1C	Exhaust gas temperature sensor (upstream SCR) - Supply voltage out of range
InpScrTUp1_WarnThdHiErrOfScrTUp1	4360	15	P1073-00	Exhaust gas temperature (upstream SCR) - Overtemperature warning
InpScrTUp2_GndErrOfScrTUp2	4413	14	P2034-F0	Exhaust gas temperature sensor (upstream SCR) 2 - Ground error
InpScrTUp2_OcErrOfScrTUp2	4413	5	P2034-13	Exhaust gas temperature sensor (upstream SCR) 2 - Open circuit
InpScrTUp2_ScbErrOfScrTUp2	4413	3	P2034-12	Exhaust gas temperature sensor (upstream SCR) 2 - Short circuit to battery
InpScrTUp2_ScgErrOfScrTUp2	4413	4	P2034-11	Exhaust gas temperature sensor (upstream SCR) 2 - Short circuit to ground
InpScrTUp2_SecuThdHiErrOfScrTUp2	4413	0	P3034-00	Exhaust gas temperature (upstream SCR) 2 - Critical overtemperature
InpScrTUp2_SnsrSplyErrOfScrTUp2	4413	31	P2034-1C	Exhaust gas temperature sensor (upstream SCR) 2 - Supply voltage out of range
InpScrTUp2_WarnThdHiErrOfScrTUp2	4413	15	P3035-00	Exhaust gas temperature (upstream SCR) 2 - Overtemperature warning
InpScrTUpPlaus1_PlausErrOfScrTUpPlaus1	4360	2	P2084-64	Exhaust gas temperature sensor (upstream SCR) - Plausibility error
InpSpdDiag_NoStrtgErrOfEngStrtr	516544	31	P3372-00	Engine - Starter activated but engine not started
InpSpdDiag_SecuThdHiErrOfEngSpd	190	0	P1038-00	Engine - Critical overspeed
InpSpdDiag_WarnThdHiErrOfEngSpd	190	15	P0219-00	Engine - Overspeed warning
InpSpdElecDiag_OcErrOfCamsftSpd	636	5	P0340-13	Camshaft position sensor - Open circuit
InpSpdElecDiag_OcErrOfCrksftSpd	190	5	P0335-13	Crankshaft position sensor - Open circuit
InpSpdElecDiag_OcGndOutpErrOfCamsftSpd	516833	5	P0342-13	Camshaft position sensor ground signal - Open circuit
InpSpdElecDiag_OcGndOutpErrOfCrksftSpd	516829	5	P0337-13	Crankshaft position sensor ground signal - Open circuit
InpSpdElecDiag_OorErrOfCamsftSpd	516834	31	P0341-1C	Camshaft position sensor - Value out of range
InpSpdElecDiag_OorErrOfCrksftSpd	516830	31	P0336-1C	Crankshaft position sensor - Value out of range
InpSpdElecDiag_OorSnsrSplyForEcuErrOfCamsftSpd	636	31	P0340-1C	Camshaft position sensor - Supply voltage out of range
InpSpdElecDiag_OorSnsrSplyForEcuErrOfCrksftSpd	190	31	P0335-1C	Crankshaft position sensor - Supply voltage out of range
InpSpdElecDiag_OorSnsrSplyForSnsrErrOfCamsftSpd	516832	31	P0343-1C	Camshaft position sensor power supply signal - Out of range for sensor
InpSpdElecDiag_OorSnsrSplyForSnsrErrOfCrksftSpd	516828	31	P0338-1C	Crankshaft position sensor power supply signal - Out of range for sensor
InpSpdElecDiag_ScbErrOfCamsftSpd	636	3	P0340-12	Camshaft position sensor - Short circuit to battery
InpSpdElecDiag_ScbErrOfCrksftSpd	190	3	P0335-12	Crankshaft position sensor - Short circuit to battery
InpSpdElecDiag_ScbGndOutpErrOfCamsftSpd	516833	3	P0342-12	Camshaft position sensor ground signal - Short circuit to battery
InpSpdElecDiag_ScbGndOutpErrOfCrksftSpd	516829	3	P0337-12	Crankshaft position sensor ground signal - Short circuit to battery
InpSpdElecDiag_ScbSnsrSplyErrOfCamsftSpd	516832	3	P0343-12	Camshaft position sensor power supply signal - Short circuit to battery
InpSpdElecDiag_ScbSnsrSplyErrOfCrksftSpd	516828	3	P0338-12	Crankshaft position sensor power supply signal - Short circuit to battery
InpSpdElecDiag_ScgErrOfCamsftSpd	636	4	P0342-00	Camshaft position sensor - Short circuit to ground
InpSpdElecDiag_ScgErrOfCrksftSpd	190	4	P0337-00	Crankshaft position sensor - Short circuit to ground
InpSpdElecDiag_ScgGndOutpErrOfCamsftSpd	516833	14	P0342-F0	Camshaft position sensor ground signal - Ground error
InpSpdElecDiag_ScgGndOutpErrOfCrksftSpd	516829	14	P0337-F0	Crankshaft position sensor ground signal - Ground error

Error name	SPN	FMI	DTCode	Error Text
InpSpdElecDiag_ScgSnsrSplyErrOfCamsftSpd	516832	14	P0343-F0	Camshaft position sensor power supply signal - Ground error
InpSpdElecDiag_ScgSnsrSplyErrOfCrksftSpd	516828	14	P0338-F0	Crankshaft position sensor power supply signal - Ground error
InpSpdElecDiag_SnsrDfctErrOfCamsftSpd	516835	31	P0340-09	Camshaft position sensor - Sensor defect
InpSpdElecDiag_SnsrDfctErrOfCrksftSpd	516831	31	P0335-09	Crankshaft position sensor - Sensor defect
InpSwtAirPAftAirFil1_OorErrOfSwtAirPAftAirFil1	516101	11	P0106-00	Air filter pressure switch - Value out of range
InpSwtAirPAftAirFil1_ScbErrOfSwtAirPAftAirFil1	516101	3	P0108-00	Air filter pressure switch - Short circuit to battery
InpSwtAirPAftAirFil1_ScgOrOcErrOfSwtAirPAftAirFil1	516101	30	P0107-00	Air filter pressure switch - Short circuit to ground or open circuit
InpSwtAirPAftAirFil1_SnsrSplyErrOfSwtAirPAftAirFil1	516101	31	P0105-1C	Air filter pressure switch - Supply voltage out of range
InpSwtMplSeln1_GndErrOfSwtMplSeln1	516572	14	P33B0-F0	Multiselector Switch - Ground error
InpSwtMplSeln1_OcErrOfSwtMplSeln1	516572	5	P33B0-13	Multiselector Switch - Open circuit
InpSwtMplSeln1_ScbErrOfSwtMplSeln1	516572	3	P33B0-12	Multiselector Switch - Short circuit to battery
InpSwtMplSeln1_ScgErrOfSwtMplSeln1	516572	4	P33B0-11	Multiselector Switch - Short circuit to ground
InpSwtMplSeln1_SnsrSplyErrOfSwtMplSeln1	516572	31	P33B0-1C	Multiselector Switch - Supply voltage out of range
InpSwtSpdSp1_GndErrOfSwtSpdSp1	516177	14	P3045-F0	Multi-stage-switch speed selector - Ground error
InpSwtSpdSp1_OcErrOfSwtSpdSp1	516177	5	P3045-13	Multi-stage-switch speed selector - Open circuit
InpSwtSpdSp1_ScbErrOfSwtSpdSp1	516177	3	P3045-12	Multi-stage-switch speed selector - Short circuit to battery
InpSwtSpdSp1_ScgErrOfSwtSpdSp1	516177	4	P3045-11	Multi-stage-switch speed selector - Short circuit to ground
InpSwtSpdSp1_SnsrSplyErrOfSwtSpdSp1	516177	31	P3045-A1	Multi-stage-switch speed selector - Supply voltage out of range
InpSwtSpdSp1_WarnThdLoErrOfSwtSpdSp1	516177	11	P3045-1C	Multi-stage-switch speed selector - Value out of range
InpWtrInFu1_GndErrOfWtrInFu1	97	14	P2264-F0	Water in fuel sensor - Ground error
InpWtrInFu1_OcErrOfWtrInFu1	97	5	P2264-13	Water in fuel sensor - Open circuit
InpWtrInFu1_OorErrOfWtrInFu1	97	11	P2265-00	Water in fuel sensor - Value out of range
InpWtrInFu1_ScbErrOfWtrInFu1	97	3	P2267-00	Water in fuel sensor - Short circuit to battery
InpWtrInFu1_ScgErrOfWtrInFu1	97	4	P2266-00	Water in fuel sensor - Short circuit to ground
InpWtrInFu1_SecuThdHiErrOfWtrInFu1	97	0	P1275-00	Water in fuel sensor - Water in fuel detected
InpWtrInFu1_SnsrSplyErrOfWtrInFu1	97	31	P2264-1C	Water in fuel sensor - Supply voltage out of range
Mc33816Coor_CodTrfErrOfMc33816	516839	31	P3134-00	ECU injection electronic driver - Not correctly initialized
MonLimn_PwrRednErrOfMonLimn	1254	31	P3073-92	Engine - Derate
MtnAccr_OperErrOfAccr	516483	31	P2299-00	Accelerator - Applied while engine brake activated
MtnVCalcn_CtrlDeErrOfVehV	516250	11	P1192-00	Vehicle speed - Velocity deviation too high between gearbox (calculated) & speedometer
OilfilCalcn1_SecuThdHiErrOfOilfilFull	99	0	P12B3-00	Oil filter pressure 1 - Critical overpressure
OilfilCalcn1_WarnThdHiErrOfOilfilFull	99	15	P154D-00	Oil filter pressure 1 - Overpressure warning
OilMdlDil_SecuRtOfOilLoErrOfOilSrv	516566	0	P33AC-00	Engine oil - Oil service interval reached
OilMdlDil_WarnRtOfOilLoErrOfOilSrv	516566	15	P33AB-00	Engine oil - Oil service interval approaching
OutAltUctrl1_OcErrOfAltUctrl1	3382	5	P063A-13	Alternator (voltage control) - Open circuit
OutAltUctrl1_ScbHiChErrOfAltUctrl1	3382	25	P063D-00	Alternator (voltage control) - Short circuit to battery (high side)
OutAltUctrl1_ScgHiChErrOfAltUctrl1	3382	27	P063C-00	Alternator (voltage control) - Short circuit to ground (high side)
OutAltUctrl1_UkwnErrOfAltUctrl1	3382	11	P063A-2A	Alternator (voltage control) - Electrical error
OutFan1_BltBreakErrOfFan1	647	7	P0483-07	Fan - Broken belt detected
OutFan1_SecuErrOfFan1	647	6	P0480-19	Fan 1 - Critical high output current
OutFan1_OcErrOfFan1	647	5	P0480-13	Fan 1 - Open circuit
OutFan1_ScbHiChErrOfFan1	647	25	P0692-00	Fan 1 - Short circuit to battery (high side)
OutFan1_ScgHiChErrOfFan1	647	27	P0691-00	Fan 1 - Short circuit to ground (high side)
OutFan1_SclErrOfFan1	647	31	P0480-31	Fan 1 - Load is short circuited
OutFan1_UkwnErrOfFan1	647	11	P0480-2A	Fan 1 - Electrical error
OutFan2_SecuErrOfFan2	5484	6	P0481-19	Fan 2 - Critical high output current

Error name	SPN	FMI	DTCode	Error Text
OutFan2_OcErrOfFan2	5484	5	P0481-13	Fan 2 - Open circuit
OutFan2_ScbHiChErrOfFan2	5484	25	P0694-00	Fan 2 - Short circuit to battery (high side)
OutFan2_ScgHiChErrOfFan2	5484	27	P0693-00	Fan 2 - Short circuit to ground (high side)
OutFan2_SclErrOfFan2	5484	31	P0481-31	Fan 2 - Load is short circuited
OutFan2_UkwnErrOfFan2	5484	11	P0481-2A	Fan 2 - Electrical error
OutHeatFng1_IsecurErrOfHeatFng1	729	6	P0540-19	Heating flange 1 - Critical high output current
OutHeatFng1_OcAftRlyErrOfHeatFng1	516346	5	P1041-00	Heating flange status input 1 - Open circuit
OutHeatFng1_OcErrOfHeatFng1	729	5	P0543-00	Heating flange 1 - Open circuit
OutHeatFng1_ScbHiChAftRlyErrOfHeatFng1	516346	25	P1039-00	Heating flange status input 1 - Short circuit to battery (high side)
OutHeatFng1_ScbHiChErrOfHeatFng1	729	25	P0542-00	Heating flange 1 - Short circuit to battery (high side)
OutHeatFng1_ScgHiChAftRlyErrOfHeatFng1	516346	27	P1040-00	Heating flange status input 1 - Short circuit to ground (high side)
OutHeatFng1_ScgHiChErrOfHeatFng1	729	27	P0541-00	Heating flange 1 - Short circuit to ground (high side)
OutHeatFng1_UkwnErrOfHeatFng1	729	11	P0540-2A	Heating flange 1 - Electrical error
OutInj_NoRiseTiMeasErrOfInj1	651	8	P020A-23	Injector 1 - No current rise time measured
OutInj_NoRiseTiMeasErrOfInj2	652	8	P020B-23	Injector 2 - No current rise time measured
OutInj_NoRiseTiMeasErrOfInj3	653	8	P020C-23	Injector 3 - No current rise time measured
OutInj_NoRiseTiMeasErrOfInj4	654	8	P020D-23	Injector 4 - No current rise time measured
OutInj_NoRiseTiMeasErrOfInj5	655	8	P020E-23	Injector 5 - No current rise time measured
OutInj_NoRiseTiMeasErrOfInj6	656	8	P020F-23	Injector 6 - No current rise time measured
OutInj_OcErrOfInj1	651	5	P0201-00	Injector 1 - Open circuit
OutInj_OcErrOfInj2	652	5	P0202-00	Injector 2 - Open circuit
OutInj_OcErrOfInj3	653	5	P0203-00	Injector 3 - Open circuit
OutInj_OcErrOfInj4	654	5	P0204-00	Injector 4 - Open circuit
OutInj_OcErrOfInj5	655	5	P0205-00	Injector 5 - Open circuit
OutInj_OcErrOfInj6	656	5	P0206-00	Injector 6 - Open circuit
OutInj_OorHiErrOfRiseTiOfInj1	651	0	P020A-25	Injector 1 - Current Rise time too long
OutInj_OorHiErrOfRiseTiOfInj2	652	0	P020B-25	Injector 2 - Current Rise time too long
OutInj_OorHiErrOfRiseTiOfInj3	653	0	P020C-25	Injector 3 - Current Rise time too long
OutInj_OorHiErrOfRiseTiOfInj4	654	0	P020D-25	Injector 4 - Current Rise time too long
OutInj_OorHiErrOfRiseTiOfInj5	655	0	P020E-25	Injector 5 - Current Rise time too long
OutInj_OorHiErrOfRiseTiOfInj6	656	0	P020F-25	Injector 6 - Current Rise time too long
OutInj_ScbErrOfInj1	651	3	P0262-00	Injector 1 - Short circuit to battery
OutInj_ScbErrOfInj2	652	3	P0265-00	Injector 2 - Short circuit to battery
OutInj_ScbErrOfInj3	653	3	P0268-00	Injector 3 - Short circuit to battery
OutInj_ScbErrOfInj4	654	3	P0271-00	Injector 4 - Short circuit to battery
OutInj_ScbErrOfInj5	655	3	P0274-00	Injector 5 - Short circuit to battery
OutInj_ScbErrOfInj6	656	3	P0277-00	Injector 6 - Short circuit to battery
OutInj_ScgErrOfInj1	651	4	P0261-00	Injector 1 - Short circuit to ground
OutInj_ScgErrOfInj2	652	4	P0264-00	Injector 2 - Short circuit to ground
OutInj_ScgErrOfInj3	653	4	P0267-00	Injector 3 - Short circuit to ground
OutInj_ScgErrOfInj4	654	4	P0270-00	Injector 4 - Short circuit to ground
OutInj_ScgErrOfInj5	655	4	P0273-00	Injector 5 - Short circuit to ground
OutInj_ScgErrOfInj6	656	4	P0276-00	Injector 6 - Short circuit to ground
OutLamp1_IsecurErrOfLamp1	516137	6	P1568-00	Machine-specific lamp output 1 - Critical high output current
OutLamp1_OcErrOfLamp1	516137	5	P1155-00	Machine-specific lamp output 1 - Open circuit
OutLamp1_ScbHiChErrOfLamp1	516137	25	P1153-00	Machine-specific lamp output 1 - Short circuit to battery (high side)

Error name	SPN	FMI	DTCode	Error Text
OutLamp1_ScgHiChErrOfLamp1	516137	27	P1154-00	Machine-specific lamp output 1 - Short circuit to ground (high side)
OutLamp1_UkwnErrOfLamp1	516137	11	P1384-00	Machine-specific lamp output 1 - Electrical error
OutLamp2_ISecuErrOfLamp2	516138	6	P1569-00	Machine-specific lamp output 2 - Critical high output current
OutLamp2_OcErrOfLamp2	516138	5	P1158-00	Machine-specific lamp output 2 - Open circuit
OutLamp2_ScbHiChErrOfLamp2	516138	25	P1156-00	Machine-specific lamp output 2 - Short circuit to battery (high side)
OutLamp2_ScgHiChErrOfLamp2	516138	27	P1157-00	Machine-specific lamp output 2 - Short circuit to ground (high side)
OutLamp2_UkwnErrOfLamp2	516138	11	P1387-00	Machine-specific lamp output 2 - Electrical error
OutLamp3_ISecuErrOfLamp3	516333	6	P156A-00	Machine-specific lamp output 3 - Critical high output current
OutLamp3_OcErrOfLamp3	516333	5	P13CE-00	Machine-specific lamp output 3 - Open circuit
OutLamp3_ScbHiChErrOfLamp3	516333	25	P13CF-00	Machine-specific lamp output 3 - Short circuit to battery (high side)
OutLamp3_ScgHiChErrOfLamp3	516333	27	P13D1-00	Machine-specific lamp output 3 - Short circuit to ground (high side)
OutLamp3_UkwnErrOfLamp3	516333	11	P13CD-00	Machine-specific lamp output 3 - Electrical error
OutLamp4_ISecuErrOfLamp4	516479	6	P1586-00	Machine-specific lamp output 4 - Critical high output current
OutLamp4_OcErrOfLamp4	516479	5	P1580-00	Machine-specific lamp output 4 - Open circuit
OutLamp4_ScbHiChErrOfLamp4	516479	25	P1582-00	Machine-specific lamp output 4 - Short circuit to battery (high side)
OutLamp4_ScgHiChErrOfLamp4	516479	27	P1584-00	Machine-specific lamp output 4 - Short circuit to ground (high side)
OutLamp4_UkwnErrOfLamp4	516479	11	P1581-00	Machine-specific lamp output 4 - Electrical error
OutLamp5_ISecuErrOfLamp5	516481	6	P158D-00	Machine-specific lamp output 5 - Critical high output current
OutLamp5_OcErrOfLamp5	516481	5	P1587-00	Machine-specific lamp output 5 - Open circuit
OutLamp5_ScbHiChErrOfLamp5	516481	25	P1589-00	Machine-specific lamp output 5 - Short circuit to battery (high side)
OutLamp5_ScgHiChErrOfLamp5	516481	27	P158B-00	Machine-specific lamp output 5 - Short circuit to ground (high side)
OutLamp5_UkwnErrOfLamp5	516481	11	P1588-00	Machine-specific lamp output 5 - Electrical error
OutMacDig3_ISecuErrOfMacDig3	516135	6	P1566-00	Machine-specific digital output 1 - Critical high output current
OutMacDig3_OcErrOfMacDig3	516135	5	P1149-00	Machine-specific digital output 1 - Open circuit
OutMacDig3_ScbHiChErrOfMacDig3	516135	25	P1147-00	Machine-specific digital output 1 - Short circuit to battery (high side)
OutMacDig3_ScgHiChErrOfMacDig3	516135	27	P1148-00	Machine-specific digital output 1 - Short circuit to ground (high side)
OutMacDig3_UkwnErrOfMacDig3	516135	11	P1378-00	Machine-specific digital output 1 - Electrical error
OutMacDig4_ISecuErrOfMacDig4	516136	6	P1567-00	Machine-specific digital output 2 - Critical high output current
OutMacDig4_OcErrOfMacDig4	516136	5	P1152-00	Machine-specific digital output 2 - Open circuit
OutMacDig4_ScbHiChErrOfMacDig4	516136	25	P1150-00	Machine-specific digital output 2 - Short circuit to battery (high side)
OutMacDig4_ScgHiChErrOfMacDig4	516136	27	P1151-00	Machine-specific digital output 2 - Short circuit to ground (high side)
OutMacDig4_UkwnErrOfMacDig4	516136	11	P1375-00	Machine-specific digital output 2 - Electrical error
OutOilPcj1_ISecuErrOfOilPcj1	4812	6	P25A9-19	Engine Piston Cooling Oil Supply Valve - Critical high output current
OutOilPcj1_OcErrOfOilPcj1	4812	5	P25A9-13	Engine Piston Cooling Oil Supply Valve - Open circuit
OutOilPcj1_ScbHiChErrOfOilPcj1	4812	25	P25AB-12	Engine Piston Cooling Oil Supply Valve - Short circuit to battery (high side)
OutOilPcj1_ScgHiChErrOfOilPcj1	4812	27	P25AA-11	Engine Piston Cooling Oil Supply Valve - Short circuit to ground (high side)
OutOilPcj1_SclErrOfOilPcj1	4812	31	P25A9-31	Engine Piston Cooling Oil Supply Valve - Load is short circuited
OutOilPcj1_UkwnErrOfOilPcj1	4812	11	P25A9-2A	Engine Piston Cooling Oil Supply Valve - Electrical error
OutPcv1_INegCtrlDeErrOfPcv1	516209	15	P1085-00	Pressure control valve - Current remains above the set point
OutPcv1_IPosCtrlDeErrOfPcv1	516209	17	P1084-00	Pressure control valve - Current remains below the set point
OutPcv1_ISecuErrOfPcv1	5571	6	P0090-19	Pressure control valve - Critical high output current
OutPcv1_LimPwmMaxErrOfPcv1	516211	11	P1176-00	Pressure control valve - PWM signal - High limit reached
OutPcv1_OcErrOfPcv1	5571	5	P0090-13	Pressure control valve - Open circuit
OutPcv1_ScbHiChErrOfPcv1	5571	25	P0092-00	Pressure control valve - Short circuit to battery (high side)
OutPcv1_ScgHiChErrOfPcv1	5571	27	P0091-00	Pressure control valve - Short circuit to ground (high side)
OutPcv1_SclErrOfPcv1	516422	11	P0090-31	Pressure control valve - Load is short circuited

Error name	SPN	FMI	DTCode	Error Text
OutPcv1_SecuThdHiErrOfPcv1	5571	0	P1218-00	Pressure control valve - Critical overcurrent
OutPcv1_SecuThdLoErrOfPcv1	5571	1	P1284-00	Pressure control valve - Critical undercurrent
OutPcv1_UkwnErrOfPcv1	5571	11	P0090-2A	Pressure control valve - Electrical error
OutRlyForPwrSply1_ISecuErrOfRlyForPwrSply1	516245	6	P1554-00	Smart sensor supply relay - Critical high output current
OutRlyForPwrSply1_OcErrOfRlyForPwrSply1	516245	5	P1139-00	Smart sensor supply relay - Open circuit
OutRlyForPwrSply1_ScbHiChErrOfRlyForPwrSply1	516245	25	P1137-00	Smart sensor supply relay - Short circuit to battery (high side)
OutRlyForPwrSply1_ScgHiChErrOfRlyForPwrSply1	516245	27	P1138-00	Smart sensor supply relay - Short circuit to ground (high side)
OutRlyForPwrSply1_UkwnErrOfRlyForPwrSply1	516245	11	P137D-00	Smart sensor supply relay - Electrical error
OutScrAdblPmp1_ISecuErrOfScrAdblPmp1	5435	6	P05EE-19	SCR system (DEF pump) - Critical high output current
OutScrAdblPmp1_OcErrOfScrAdblPmp1	5435	5	P05EE-00	SCR system (DEF pump) - Open circuit
OutScrAdblPmp1_ScbHiChErrOfScrAdblPmp1	5435	25	P05F0-00	SCR system (DEF pump) - Short circuit to battery (high side)
OutScrAdblPmp1_ScgHiChErrOfScrAdblPmp1	5435	27	P05EF-00	SCR system (DEF pump) - Short circuit to ground (high side)
OutScrAdblPmp1_SclErrOfScrAdblPmp1	5435	31	P1059-00	SCR system (DEF pump) - Load is short circuited
OutScrAdblPmp1_UkwnErrOfScrAdblPmp1	5435	11	P05EE-2A	SCR system (DEF pump) - Electrical error
OutScrAirPmp1_ISecuErrOfScrAirPmp1	5796	6	P2059-19	SCR system (air pump/air supply valve) - Critical high output current
OutScrAirPmp1_OcErrOfScrAirPmp1	5796	5	P2059-00	SCR system (air pump/air supply valve) - Open circuit
OutScrAirPmp1_ScbHiChErrOfScrAirPmp1	5796	25	P2061-00	SCR system (air pump/air supply valve) - Short circuit to battery (high side)
OutScrAirPmp1_ScgHiChErrOfScrAirPmp1	5796	27	P2060-00	SCR system (air pump/air supply valve) - Short circuit to ground (high side)
OutScrAirPmp1_SclErrOfScrAirPmp1	5796	31	P2059-31	SCR system (air pump/air supply valve) - Load is short circuited
OutScrAirPmp1_UkwnErrOfScrAirPmp1	5796	11	P2059-2A	SCR system (air pump/air supply valve) - Electrical error
OutScrAirVlv_ISecuErrOfScrAirVlv	516238	6	P1565-00	SCR system (air switch valve) - Critical high output current
OutScrAirVlv_OcErrOfScrAirVlv	516238	5	P1062-00	SCR system (air switch valve) - Open circuit
OutScrAirVlv_ScbHiChErrOfScrAirVlv	516238	25	P1060-00	SCR system (air switch valve) - Short circuit to battery (high side)
OutScrAirVlv_ScgHiChErrOfScrAirVlv	516238	27	P1061-00	SCR system (air switch valve) - Short circuit to ground (high side)
OutScrAirVlv_UkwnErrOfScrAirVlv	516238	11	P1392-00	SCR system (air switch valve) - Electrical error
OutScrCoolgVlv1_ISecuErrOfScrCoolgVlv1	3363	6	P1561-00	DEF tank heating valve - Critical high output current
OutScrCoolgVlv1_OcErrOfScrCoolgVlv1	3363	5	P202A-00	DEF tank heating valve - Open circuit
OutScrCoolgVlv1_ScbHiChErrOfScrCoolgVlv1	3363	25	P202C-12	DEF tank heating valve - Short circuit to battery (high side)
OutScrCoolgVlv1_ScgHiChErrOfScrCoolgVlv1	3363	27	P202B-11	DEF tank heating valve - Short circuit to ground (high side)
OutScrCoolgVlv1_UkwnErrOfScrCoolgVlv1	3363	11	P202A-2A	DEF tank heating valve - Electrical error
OutScrCoolgVlv2_ISecuErrOfScrCoolgVlv2	5706	6	P1560-00	DEF pump heating valve - Critical high output current
OutScrCoolgVlv2_OcErrOfScrCoolgVlv2	5706	5	P1051-00	DEF pump heating valve - Open circuit
OutScrCoolgVlv2_ScbHiChErrOfScrCoolgVlv2	5706	25	P1049-12	DEF pump heating valve - Short circuit to battery (high side)
OutScrCoolgVlv2_ScgHiChErrOfScrCoolgVlv2	5706	27	P1050-11	DEF pump heating valve - Short circuit to ground (high side)
OutScrCoolgVlv2_UkwnErrOfScrCoolgVlv2	5706	11	P1051-2A	DEF pump heating valve - Electrical error
OutScrLineHeatg1_ISecuErrOfScrLineHeatg1	4340	6	P155E-00	DEF line heater 1 - Critical high output current
OutScrLineHeatg1_OcErrOfScrLineHeatg1	4340	5	P1054-00	DEF line heater 1 - Open circuit
OutScrLineHeatg1_ScbHiChErrOfScrLineHeatg1	4340	25	P1052-12	DEF line heater 1 - Short circuit to battery (high side)
OutScrLineHeatg1_ScgHiChErrOfScrLineHeatg1	4340	27	P1053-11	DEF line heater 1 - Short circuit to ground (high side)
OutScrLineHeatg1_UkwnErrOfScrLineHeatg1	4340	11	P1054-2A	DEF line heater 1 - Electrical error
OutScrLineHeatg2_ISecuErrOfScrLineHeatg2	4342	6	P155F-00	DEF line heater 2 - Critical high output current
OutScrLineHeatg2_OcErrOfScrLineHeatg2	4342	5	P1057-00	DEF line heater 2 - Open circuit
OutScrLineHeatg2_ScbHiChErrOfScrLineHeatg2	4342	25	P1055-12	DEF line heater 2 - Short circuit to battery (high side)
OutScrLineHeatg2_ScgHiChErrOfScrLineHeatg2	4342	27	P1056-11	DEF line heater 2 - Short circuit to ground (high side)
OutScrLineHeatg2_UkwnErrOfScrLineHeatg2	4342	11	P1057-2A	DEF line heater 2 - Electrical error
OutStrtr1_HiDcErrOfStrtr1	516796	0	P3108-64	Starter ECU output current - Maximum plausibility error

Error name	SPN	FMI	DTCCode	Error Text
OutStrtr1_IsecurErrOfStrtr1	677	6	P0615-19	Starter - Critical high output current
OutStrtr1_LoDcErrOfStrtr1	516796	1	P3109-64	Starter ECU output current - Minimum plausibility error
OutStrtr1_OcErrOfStrtr1	677	5	P0615-13	Starter - Open circuit
OutStrtr1_ScbErrOfStrtr1	677	3	P0617-12	Starter - Short circuit to battery
OutStrtr1_ScgErrOfStrtr1	677	4	P0616-00	Starter - Short circuit to ground
OutStrtr1_SclErrOfStrtr1	677	2	P0615-01	Starter - Load is short circuited
OutStrtr1_ThiErrOfStrtr1	516797	31	P3108-4B	Starter ECU output - Temperature too high
OutStrtr1_UkwnErrOfStrtr1	677	11	P0615-2C	Starter - Electrical error
OutVcv1_INegCtrlDeErrOfVcv1	516251	0	P1083-00	Volume control valve - Current remains above the set point
OutVcv1_IPosCtrlDeErrOfVcv1	516251	1	P1082-00	Volume control valve - Current remains below the set point
OutVcv1_IsecurErrOfVcv1	1076	6	P0001-19	Volume control valve - Critical high output current
OutVcv1_LimPwmMaxErrOfVcv1	516253	0	P1177-00	Volume control valve - PWM signal - High limit reached
OutVcv1_OcErrOfVcv1	1076	5	P0001-13	Volume control valve - Open circuit
OutVcv1_ScbHiChErrOfVcv1	1076	25	P0004-00	Volume control valve - Short circuit to battery (high side)
OutVcv1_ScgHiChErrOfVcv1	1076	27	P0003-00	Volume control valve - Short circuit to ground (high side)
OutVcv1_SclErrOfVcv1	1076	11	P0001-31	Volume control valve - Load is short circuited
OutVcv1_SecuThdHiErrOfVcv1	1076	0	P1220-00	Volume control valve - Critical overcurrent
OutVcv1_SecuThdLoErrOfVcv1	1076	1	P12DF-00	Volume control valve - Critical undercurrent
OutVcv1_UkwnErrOfVcv1	516330	11	P0001-2A	Volume control valve - Electrical error
OutWstgt1_IsecurErrOfWstgt1	5386	6	P0243-19	Wastegate valve - Critical high output current
OutWstgt1_OcErrOfWstgt1	5386	5	P0243-13	Wastegate valve - Open circuit
OutWstgt1_ScbHiChErrOfWstgt1	5386	25	P0246-00	Wastegate valve - Short circuit to battery (high side)
OutWstgt1_ScgHiChErrOfWstgt1	5386	27	P0245-00	Wastegate valve - Short circuit to ground (high side)
OutWstgt1_SclErrOfWstgt1	516318	31	P0243-31	Wastegate valve - Load is short circuited
OutWstgt1_UkwnErrOfWstgt1	5386	11	P0243-2A	Wastegate valve - Electrical error
ScrAdblQly_AdblDetnTypErrOfAdbl	3521	13	P207F-29	DEF tank - Wrong DEF type
ScrAdblQly_AdblQlyErrOfAdbl	3516	17	P207F-00	DEF tank - Poor AdBlue quality
ScrCoorr_NotInSafeCdnErrOfScrCatCng	516514	31	P1FE6-00	SCR system - Catalyst cleaning request in not safe condition
ScrCoorr_SecuThdHiErrOfScrCatCng	516553	0	P339B-00	SCR system - Critical overload of accumulate carbon in catalyst
ScrCoorr_WarnThdHiErrOfScrCatCng	516553	15	P339A-00	SCR system - Overload warning of accumulate carbon in catalyst
ScrDefrstCalcN_NotDefrstAftTiElpdErrOfDosgRels	516571	31	P33AF-00	SCR system - DEF not defrosted after legal time elapsed
ScrDefrstChk_ClsDfctErrOfPmpVlv	5706	31	P241E-00	DEF pump heating valve - Valve stuck closed
ScrDefrstChk_ClsDfctErrOfTankVlv	3363	31	P1283-00	DEF tank heating valve - Valve stuck closed
ScrDefrstChk_DefrstErrOfScr	516231	11	P263D-00	SCR system - Defrosting error (AdBlue)
ScrDefrstChk_OpenDfctErrOfTankVlv	3363	7	P1282-00	DEF tank heating valve - Valve stuck open
ScrDefrstCoorr_ActrOfHeatgErrOfScrTankCalcN	516230	11	P1273-00	SCR system - Defrosting actuator error (AdBlue)
ScrDefrstCoorr_SnsrOfHeatgErrOfScrTankCalcN	516232	11	P1274-00	SCR system - Defrosting sensor error (AdBlue)
ScrDosgCtrl_AdblSideBlkdErrOfAdblInjr	516236	11	P1122-00	SCR system (DEF injector) - AdBlue injection path blocked
ScrDosgCtrl_AirSideBlkdErrOfAdblInjr	516237	11	P1123-00	SCR system (DEF injector) - Air path blocked
ScrDosgCtrl_DeErrOfDosgReqInScr1	516762	31	P308A-92	SCR system - Dosing deviation error
ScrDosgCtrl_DeErrOfDosgReqInScr2	516763	31	P308B-92	SCR system 2 - Dosing deviation error
ScrDosgCtrl_DeErrOfDosgReqInScr3	516764	31	P308C-92	SCR system 3 - Dosing deviation error
ScrDosgCtrl_DeErrOfDosgReqInScr4	516765	31	P308D-92	SCR system 4 - Dosing deviation error
ScrDosgCtrl_DeErrOfDosgReqInScr5	516766	31	P308E-92	SCR system 5 - Dosing deviation error
ScrDosgCtrl_DfctErrOfAdblPmp	5485	2	P1121-00	SCR system (DEF pump) - Out of service
ScrDosgCtrl_DfctErrOfAirPmp	5796	2	P1120-00	SCR system (air pump/air supply valve) - Out of service

Error name	SPN	FMI	DTCode	Error Text
ScrDosgCtrl_DfctErrOfAirVlv	516229	11	P1126-00	SCR system - SCR air valve defect
ScrDosgCtrl_IntrptVentnErrOfAdblLine	516265	11	P135F-00	SCR system - Last ventilation of AdBlue line interrupted
ScrDosgCtrl_lvtErrOfSnsrP	516367	2	P13FF-00	SCR system - Inverted Air Pressure and Adblue Pressure at the Adblue Pump
ScrDosgCtrl_PlausErrOfAdbIP	4334	2	P204B-64	SCR system (DEF pressure sensor) - Plausibility error
ScrDosgCtrl_PlausErrOfScrAirP	4335	2	P1119-00	SCR system (air pressure sensor) - Plausibility error
ScrDosgCtrl_PLoErrOfAdbIP	4334	17	P1127-00	SCR system (DEF pressure) - Pressure too low
ScrDosgCtrl_PLoErrOfAirP	4335	11	P1124-00	SCR system (air pressure) - Pressure too low
ScrDosgCtrl_TToHiErrOfAdbllnOper	4337	11	P24FF-00	SCR system (DEF temperature) - Adblue temperature too high in operation
ScrDosgCtrl_VentnErrOfScrAirP	516235	11	P1125-00	SCR system - Ventilation error (AdBlue)
ScrDosgStgy_DeMaxErrOfFbCtrl	516233	0	P1178-85	SCR system - Feedback control reached max saturation
ScrDosgStgy_DeMinErrOfFbCtrl	516233	1	P1178-84	SCR system - Feedback control reached min saturation
ScrEffMon_EffCritErrOfScrEffMon1	4364	1	P1136-00	SCR system - Very low conversion efficiency
ScrEffMon_EffCritErrOfScrEffMon2	4419	1	P3024-00	SCR system 2 - Very low conversion efficiency
ScrEffMon_EffCritErrOfScrEffMon3	516655	1	P3026-00	SCR system 3 - Very low conversion efficiency
ScrEffMon_EffCritErrOfScrEffMon4	516656	1	P3028-00	SCR system 4 - Very low conversion efficiency
ScrEffMon_EffCritErrOfScrEffMon5	516657	1	P302A-00	SCR system 5 - Very low conversion efficiency
ScrEffMon_EffLoErrOfScrEffMon1	4364	17	P0420-00	SCR system - Low conversion efficiency
ScrEffMon_EffLoErrOfScrEffMon2	4419	17	P0430-00	SCR system 2 - Low conversion efficiency
ScrEffMon_EffLoErrOfScrEffMon3	516655	17	P3025-00	SCR system 3 - Low conversion efficiency
ScrEffMon_EffLoErrOfScrEffMon4	516656	17	P3027-00	SCR system 4 - Low conversion efficiency
ScrEffMon_EffLoErrOfScrEffMon5	516657	17	P3029-00	SCR system 5 - Low conversion efficiency
ScrEffMon_WarnThdHiErrOfEngNoxEmi1	4090	15	P2BAE-00	Engine - High NOx emission
ScrEffMon_WarnThdHiErrOfEngNoxEmi2	516756	15	P3086-00	Engine bank 2 - High NOx emission
ScrObdLimn_AdblTankLvlLoErrOfLimn	3532	17	P203F-00	DEF tank - Level low
ScrObdLimn_DrvrInfoErrOfLimn	5826	11	P1187-00	Inducement system - Warning (SCR system failure)
ScrObdLimn_FinalLimErrOfLimn	5826	0	P1190-00	Inducement system - Locked in severe power or speed reduction (SCR system failure)
ScrObdLimn_SevLimErrOfLimn	5826	16	P1189-00	Inducement system - Severe power or speed reduction (SCR system failure)
ScrObdLimn_StrtlnhbErrOfLimn	1675	11	P1191-00	Inducement system - Engine restart inhibited (empty AdBlue tank)
ScrObdLimn_WarnLimErrOfLimn	5826	15	P1188-00	Inducement system - Power or speed reduction (SCR system failure)
ScrSnsrMon_DriftErrOfNoxSnsr	516513	31	P1FE5-00	NOx sensor bank - Drift error
ScrSnsrMon_HeatrRespErrOfEngNox1	3222	7	P220E-00	NOx sensor (upstream SCR) - Heater performance error
ScrSnsrMon_HeatrRespErrOfEngNox2	3264	7	P3085-96	NOx sensor (upstream SCR) 2 - Heater performance error
ScrSnsrMon_HeatrRespErrOfScrNox1	3232	7	P220F-00	NOx sensor (downstream SCR) - Heater performance error
ScrSnsrMon_HeatrRespErrOfScrNox2	3273	7	P2213-96	NOx sensor (downstream SCR) 2 - Heater performance error
ScrSnsrMon_HeatrRespErrOfScrNox3	516662	7	P3031-96	NOx sensor (downstream SCR) 3 - Heater performance error
ScrSnsrMon_HeatrRespErrOfScrNox4	516663	7	P3032-96	NOx sensor (downstream SCR) 4 - Heater performance error
ScrSnsrMon_HeatrRespErrOfScrNox5	516664	7	P3033-96	NOx sensor (downstream SCR) 5 - Heater performance error
ScrSnsrMon_MntgErrOfNox	516205	11	P2416-00	NOx sensor bank - Installation error
ScrSnsrMon_NoxEStErrOfEngNox1	516204	2	P130F-00	NOx sensor (upstream SCR) - Invalid sensor status
ScrSnsrMon_NoxEStErrOfEngNox2	516759	2	P3085-81	NOx sensor (upstream SCR) 2 - Invalid sensor status
ScrSnsrMon_NoxEStErrOfScrNox1	516203	2	P131A-00	NOx sensor (downstream SCR) - Invalid sensor status
ScrSnsrMon_NoxEStErrOfScrNox2	3273	11	P2213-81	NOx sensor (downstream SCR) 2 - Invalid sensor status
ScrSnsrMon_NoxEStErrOfScrNox3	516662	11	P3031-81	NOx sensor (downstream SCR) 3 - Invalid sensor status
ScrSnsrMon_NoxEStErrOfScrNox4	516663	11	P3032-81	NOx sensor (downstream SCR) 4 - Invalid sensor status
ScrSnsrMon_NoxEStErrOfScrNox5	516664	11	P3033-81	NOx sensor (downstream SCR) 5 - Invalid sensor status
ScrSnsrMon_OffsErrOfEngNox1	3224	0	P2297-00	NOx sensor (upstream SCR) - Offset error



Error name	SPN	FMI	DTCode	Error Text
ScrSnsrMon_OffsErrOfEngNox2	3264	0	P3085-92	NOx sensor (upstream SCR) 2 - Offset error
ScrSnsrMon_OffsErrOfScrNox1	3234	0	P2298-00	NOx sensor (downstream SCR) - Offset error
ScrSnsrMon_OffsErrOfScrNox2	3273	0	P2213-92	NOx sensor (downstream SCR) 2 - Offset error
ScrSnsrMon_OffsErrOfScrNox3	516662	0	P3031-92	NOx sensor (downstream SCR) 3 - Offset error
ScrSnsrMon_OffsErrOfScrNox4	516663	0	P3032-92	NOx sensor (downstream SCR) 4 - Offset error
ScrSnsrMon_OffsErrOfScrNox5	516664	0	P3033-92	NOx sensor (downstream SCR) 5 - Offset error
ScrSnsrMon_OilPlausErrOfEngNox1	3225	2	P2A00-64	NOx sensor (upstream SCR) - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfEngNox2	3264	2	P3085-64	NOx sensor (upstream SCR) 2 - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfScrNox1	3235	2	P2A01-64	NOx sensor (downstream SCR) - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfScrNox2	3273	31	P2A04-64	NOx sensor (downstream SCR) 2 - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfScrNox3	516662	31	P3031-64	NOx sensor (downstream SCR) 3 - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfScrNox4	516663	31	P3032-64	NOx sensor (downstream SCR) 4 - Sensor removed from exhaust line
ScrSnsrMon_OilPlausErrOfScrNox5	516664	31	P3033-64	NOx sensor (downstream SCR) 5 - Sensor removed from exhaust line
SftyComBauma_TiOutErrOfSftyComBauma	516228	2	U102F-00	Safety PME CAN - Communication error
SftyReactn_SftyErrOfComMac	516225	11	P1332-00	Monitoring System - Engine PME CAN ECU internal safety error
SftyReactn_SftyErrOfEcu	516223	11	P12E3-00	Monitoring System - Terminal 15 ECU internal safety error
SftyReactn_SftyErrOfStrtr	516227	11	P12E2-00	Monitoring System - Starter ECU internal safety error
SnsrPPlaus_PlausErrOfAirPAftAirFil1	106	2	P1132-00	Air filter pressure sensor - Plausibility error
SnsrPPlaus_PlausErrOfAirPBoost1	102	2	P0236-64	Intake manifold pressure sensor - Plausibility error
SnsrPPlaus_PlausErrOfAirPBoost2	3562	2	P1553-00	Intake manifold pressure sensor 2 - Plausibility error
SnsrPPlaus_PlausErrOfAmbP1	108	2	P2227-64	Ambient pressure sensor - Plausibility error
SnsrPPlaus_PlausErrOfDpfDPdp1	3251	11	P2453-64	Differential pressure sensor DPF - Plausibility error
SnsrPPlaus_PlausErrOfIcoChrgrPDwn1	3340	2	P1550-00	Intercharger downstream pressure sensor - Plausibility error
SnsrPPlaus_PlausErrOfOilP1	100	2	P0521-64	Engine oil - Plausibility error
SnsrPPlaus_PlausErrOfSnsrP	516428	31	P1564-00	Air pressure sensors - Plausibility error
SnsrPPlaus_WarnThdHiErrOfDpfDPdp	3253	0	P244B-00	Particulate filter (DPF) - Pressure drop out of range high limit
SnsrPPlaus_WarnThdLoErrOfDpfDPdp	3253	1	P244A-00	Particulate filter (DPF) - Pressure drop out of range low limit
SnsrTPlaus_MntgErrOfEatsT	516678	11	P3046-4A	EATS temperature sensors - Sensors position inversion error
SnsrTPlaus_PlausErrOfAdblT1	4337	2	P2043-64	SCR system (DEF temperature sensor) - Plausibility error
SnsrTPlaus_PlausErrOfAdblTankT	3031	2	P205B-64	DEF tank (temperature sensor) - Plausibility error
SnsrTPlaus_PlausErrOfAdblTankTAtSuctnPosn	3515	2	P1272-00	DEF tank (temperature sensor at suction position) - Plausibility error
SnsrTPlaus_PlausErrOfAirTAftFil	1172	2	P00CE-64	Air filter temperature sensor 1 - Plausibility error
SnsrTPlaus_PlausErrOfAirTAftFil1	172	2	P0111-64	Air filter temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfAirTAftFil2	1173	2	P00E7-64	Air filter temperature sensor 2 - Plausibility error
SnsrTPlaus_PlausErrOfAirTBoost1	105	2	P1131-00	Intake manifold temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfAirTBoost2	1131	2	P00AB-64	Intake manifold temperature sensor 2 - Plausibility error
SnsrTPlaus_PlausErrOfAmbT1	171	2	P0071-64	Ambient temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfBattT1	1800	2	P0514-64	Battery temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfCooltT1	110	2	P0116-64	Coolant temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfCooltT2	4076	2	P2183-64	Coolant temperature sensor 2 - Plausibility error
SnsrTPlaus_PlausErrOfDocTUp1	4765	11	P0544-62	Exhaust gas temperature sensor (upstream DOC) 1 - Plausibility error
SnsrTPlaus_PlausErrOfFuT1	174	2	P0181-64	Fuel temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfIcoChrgrTDwn1	52	2	P1FD7-00	Intercharger downstream temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfIcoTDwn1	2630	2	P007B-64	Intercooler downstream temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfOilT1	175	2	P0195-64	Oil temperature sensor - Plausibility error
SnsrTPlaus_PlausErrOfOilTHyd1	5536	2	P1077-64	Hydraulic oil temperature sensor - Plausibility error

Error name	SPN	FMI	DTCode	Error Text
SnsrTPlaus_PlausErrOfScrTDwn1	4363	11	P242B-62	Exhaust gas temperature sensor (downstream SCR) 1 - Plausibility error
SnsrTPlaus_PlausErrOfScrTUp1	4360	11	P2084-62	Exhaust gas temperature sensor (upstream SCR) 1 - Plausibility error
SwMon_SecuThdHiErrOfCpuLoad	516794	11	P3106-00	ECU - CPU critical overload
SwMon_WarnThdHiErrOfCpuLoad	516793	11	P3105-00	ECU - CPU overload warning
SysEcu_CollFailrErrOfDem	517051	31	U3000-00	ECU - Internal error
SysEcu_PwrSplyOffBeEcuOffErrOfSysEcu	516576	31	P33B4-00	ECU - Clamp 30 Off before ECU shutdown
SysEcuCtrl_ActvErrOfEcuRtMaxWoRst	516495	31	P1FD9-00	ECU - Runtime reached the maximal time without reset
SysMonInSrv_WarnThdHiErrOfCyclnSrv	4090	0	P3039-00	Monitoring System - High NOx emission