Basic Error-Diagnosis Function & Document_Using Guideline(EDC17CV44/54)
故障诊断功能及相关文档使用说明

文档版本信息		
项目：YN33CR_EU4	SW 版本：P1187V741	文件生成日期：2012/12/14
SAP：30-104379	Dataset 版本：M17_20	

基本诊断功能：

1. 读取故障代码，环境变量，冻结帧，清错：

描述	14230 协议命令	
读取故障码	18H 00H FFH 00H	
故障码回应规则	58H 故障码个数 故障码高位 故障码低位 故障码状态 （三字节一个故障）	
读取环境变量	17H XXH XXH （XXH XXH 为两个字节的故障码）	
读取冻结帧	12H 00H 04H XXH XXH （XXH XXH 位两个字节的故障码）	
清除所有故障码	14H FFH 00H	
注意事项	例如18 00 FF 00命令反馈的信息**58 01 E8 10 E0** 01代表1个故障，E8 10代表故障码,E0代表故障状态. CV软件： - 需将16bits故障码的bit15,14去掉得到DTC(读取环境变量和冻结帧用到)； 需将故障码的bit15,bit14和bit3,2,1,0去掉得到DTCM码(而不是Pcode)； 因此，DTC为2810(Hex)，DTCM为281(Hex)，可以从DSM handbook 中查出对应的故障。 - 读取环境变量的命令为:17 28 10而不是17 E8 10 - 读取冻结帧的命令为: 12 00 04 28 10而不是12 00 04 E8 10 PC软件： 故障码不要处理，E810即为Pcode,读取环境变量和冻结帧的命令也不需要处理。 - 读取环境变量的命令为:17 E8 10 - 读取冻结帧的命令为: 12 00 04 E8 10	

2. 读取系统当前信号：

描述	14230 协议命令	
读取命令	21H XXH （XX: 要读取信号的LID码） 说明：诊断仪可以根据 Signal Conversion 表中的LID码，读取出车辆当前的一些系统数值； 读取的十六进制数据可根据Signal Conversion 表中的转换规则转换为物理值	

备注：

1.故障代码列表及各故障所调用的环境变量请参考最新的DSM Handbook 表；

2.信号转换的规则请参考最新的Signal Conversion 表；

3.当前值LID码请参考最新的Signal Conversion表中的signal list；

4.故障的冻结桢信息请参考最新的Signal Conversion 表中的freeze frame signal list。

Freeze Frame					
1st	**2nd**	**3rd**	**4th**	**5th**	**6th**
PID04h_CoETS_rTrq	PID05_CEngDsT_tSens	PID0C_Epm_nEng	PID0D_VehV_vSens	PID23h_RailP_pLin	PID33_EnvP_pSens
7th	**8th**	**9th**	**10th**	**11th**	
PID42_BattU_uSens	PID49_APP_uRaw1unLim	Signals_Default	Signals_Default	Signals_Default	

SignalConversionHandbook_30104379_Yunnei_YN33CR_P1187V741

Created by Xu Zhongmin at 12/14/2012 — **Phy_value=Test_value*B+C**

LID (Hex) 14230	Signal Name 信号名字	Description_English 信号描述_英文	Description_Chinese 信号描述_中文	unit 单位	DIA length 字节数	B	C
-	ASMod_dvolPFltEG	Calculated exhaust-gas volume flow in the particulate filter	计算出的要进入颗粒捕捉器的废气流量	kg/h	2	0.1	0
-	CoETS_stLimInfo	Working limitation information in CoETS	发动机的扭据结构控制的协调模块中的扭据限制信息	-	1	1	0
-	EnvT_t	Environment temperature	环境大气温度	deg C	2	0.1	-3549.84
-	FuelT_t	Fuel temperature	燃油温度	deg C	2	0.1	-3549.84
-	IVDia_numIdxErrCyl_0	line of detected fault	发火第一缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_numIdxErrCyl_1	line of detected fault	发火第二缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_numIdxErrCyl_2	line of detected fault	发火第三缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_numIdxErrCyl_3	line of detected fault	发火第四缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_numIdxErrCyl_4	line of detected fault	发火第五缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_numIdxErrCyl_5	line of detected fault	发火第六缸的喷油器故障诊断模式信息	-	2	1	0
-	IVDia_stErrChp_0	CY 33x faults chip 1	ECU喷油器供电模块诊断的环境条件信息	-	1	1	0
-	IVDia_stErrClctCyl_0	detected fault	发火第一缸的喷油器故障诊断错误信息	-	4	1	0
-	IVDia_stErrClctCyl_1	detected fault	发火第二缸的喷油器故障诊断错误信息	-	4	1	0
-	IVDia_stErrClctCyl_2	detected fault	发火第三缸的喷油器故障诊断错误信息	-	4	1	0
-	IVDia_stErrClctCyl_3	detected fault	发火第四缸的喷油器故障诊断错误信息	-	4	1	0
-	IVDia_stErrClctCyl_4	detected fault	发火第五缸的喷油器故障诊断错误信息	-	4	1	0
-	IVDia_stErrClctCyl_5	detected fault	发火第六缸的喷油器故障诊断错误信息	-	4	1	0
-	IVPlaus_nCyl_0	cylinder specific engine speed for cylinder 0	发火第一缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_nCyl_1	cylinder specific engine speed for cylinder 1	发火第二缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_nCyl_2	cylinder specific engine speed for cylinder 2	发火第三缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_nCyl_3	cylinder specific engine speed for cylinder 3	发火第四缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_nCyl_4	cylinder specific engine speed for cylinder 4	发火第五缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_nCyl_5	cylinder specific engine speed for cylinder 5	发火第六缸的喷油器故障诊断模式设定发动机转速	rpm	2	0.5	0
-	IVPlaus_qFBCCyl_0	cylinder specific FBC adjust-ment quantity for cylinder 0	发火第一缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	IVPlaus_qFBCCyl_1	cylinder specific FBC adjust-ment quantity for cylinder 1	发火第二缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	IVPlaus_qFBCCyl_2	cylinder specific FBC adjust-ment quantity for cylinder 2	发火第三缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	IVPlaus_qFBCCyl_3	cylinder specific FBC adjust-ment quantity for cylinder 3	发火第四缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	IVPlaus_qFBCCyl_4	cylinder specific FBC adjust-ment quantity for cylinder 4	发火第五缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	IVPlaus_qFBCCyl_5	cylinder specific FBC adjust-ment quantity for cylinder 5	发火第六缸的喷油器故障诊断模式设定油量	mg/Hub	2	0.02	0
-	InjCrv_stInjCharActVal_0	Injection release status	后喷1的释放状态	-	1	1	0
-	InjCrv_stInjCharActVal_1	Injection release status	后喷2的释放状态	-	1	1	0
-	InjCrv_stInjCharActVal_2	Injection release status	后喷3的释放状态	-	1	1	0
-	InjCrv_stInjCharActVal_3	Injection release status	主喷的释放状态	-	1	1	0
-	InjCrv_stInjCharActVal_4	Injection release status	预喷1的释放状态	-	1	1	0
-	InjCrv_stInjCharActVal_5	Injection release status	预喷2的释放状态	-	1	1	0
-	InjUn_stStrt	information for trouble in starting of engine	发动机起动过程中的问题信息	-	1	1	0
-	InjVlv_tiMI1ET	energizing time of main injection	主喷的喷油器加电时间	us	2	0.4	0
-	InjVlv_tiPil1ET	energizing time of pilot injection 1	预喷的喷油器加电时间	us	2	0.4	0
-	InjVlv_volMI1		主喷的喷油体积流量	mm^3/inj	2	0.02	0
-	InjVlv_volPil1		预喷的喷油体积流量	mm^3/inj	2	0.02	0
-	MeUn_dvolSet	rail pressure governing set va-lue (volume flow rate)	燃油轨压控制器设定调节油量（体积单位）	mm^3/s	2	10	0
-	MeUn_iActFlt	PT1-filtered actual current value of metering unit	滤波后的油量计量单元当前实际电流	mA	2	1	0
-	MeUn_iSet	electrical set value of current for metering unit	设定的油量计量单元电流	mA	2	1	0
-	MeUn_rPs	metering unit duty cycle	ECU对油量计量单元的输出	%	2	0.01	0
-	MeUn_uRaw	analog input raw value of mete-ring unit	油量计量单元的反馈电压信号	mv	2	0.2	0
-	OilLvl_rEngOil	Oil Level	发动机机油液位	%	2	0.012207031	0
-	PID2Dh_AirCtl_rGovDvtNrm	Normalized Governer Deviation	空气系统标准的控制偏差比	-	2	0.012207	-99.412916
-	PID5Dh_InjCrv_phiMI1Des	Desired reference angle for the start of MI1	期望主喷参考角度	-	2	0.0078125	-210
-	PID5Eh_FISys_dvolFICons	the fuel consumption of the injection quantity	耗油量	-	2	0.050000763	0
-	AFS_dm	Total air mass flow into the engine	发动机总进气量	kg/h	2	0.1	0
-	AFS_mAirPerCyl	Air mass per cylinder	单个发动机汽缸的进气量	mg/Hub	2	0.22	0
-	APP_rUnFlt	Accelarator Pedal Position unfiltered value (%)	油门踏板滤波前的百分比开度	%	1	0.392156863	0
-	AccPed_trqDes	accelerator pedal wheel torque request	油门踏板的轮边扭据请求	Nm	4	0.1	0
-	AirCtl_mGovDvt	Control Deviation of Air Mass	新鲜空气流量的控制偏差值	mg/Hub	1	8.63348503	-1096.4526
-	AirCtl_mMaxDvt	Maximum Air Mass Deviation	新鲜空气流量的最大允许偏差值	mg/Hub	1	4.314159186	0
-	AirCtl_mMinDvt	Maximum Air Mass Deviation	新鲜空气流量的最小允许偏差值	mg/Hub	1	4.314159186	-1095.7964
-	Air_tCACDs	Air temperature down stream of charged air cooler	发动机增压中冷后的新鲜空气温度	deg C	2	0.1	-273.14

-	Name	Description (EN)	Description (CN)	Unit			
-	Air_uRawTCACDsB1	Raw voltage value of Air temperature down stream of charged air cooler in bank1	发动机增压中冷后的温度传感器的电压信号原始值1	mv	2	0.2	0
-	Air_uRawTCACDsB2	Raw voltage value of Air temperature down stream of charged air cooler in bank2	发动机增压中冷后的温度传感器的电压信号原始值2	mv	2	0.2	0
-	BattU_u	Battery voltage	车辆电池电压	mv	2	20	0
-	Brk_st	Status of brake	车辆刹车状态	-	1	1	0
-	Brk_stRed	Status of the redundant brake	车辆辅刹状态	-	1	1	0
-	CEngDsT_t	Downstream engine coolant temperature	发动机冷却液温度	deg C	2	0.1	-273.14
-	CEngDsT_uRaw	Raw voltage value of coolant temperature downstream of engine	发动机冷却液温度传感起的原始电压信号	mv	2	0.2	0
-	CoEOM_stOpModeAct	Actual engine operation mode	发动机当前的工作模式	-	4	1	0
-	Com_pEngBP	The gage pressure measurement of the air intake manifold	CAN总线上的发动机进气歧管的压力	hPa	1	14.0034188	0
-	Com_rEngTrqLoad	The ratio of actual engine percent torque (indicated) to maximum indicated torque available at the current engine speed	发动机负荷比	%	1	40.00976801	0
-	Com_stEngTrqMode	State signal which indicates which engine torque mode is currently generating, limiting, or controlling the torque	指示当前的发动机扭据模式,做功,限制,或扭据控制模式	-	1	1	0
-	ECRVlv_stActrOut	Status of decompression valve actuation.	发动机缸内制动执行器的状态	-	1	1	0
-	EngDa_tEng	Engine temperature	发动机温度(冷却液,空气,机油,等)	deg C	2	1.0002442	-546.20667
-	EngDa_tiEngOff	Engine Off Time	发动机下电时间	-	4	1	0
-	EnvP_p	Atmospheric pressure	环境大气压力	hPa	2	1	0
-	EpmCaS_phiOfsCorr	filtered value of first camshaft offset	滤波后的第一个凸轮偏移量	deg CA	2	0.021972656	0
-	Epm_nEng	engine rpm; dia: physical [rpm]	发动机转速	rpm	2	0.25	0
-	Epm_stOpMode	state of epm operation mode: 1 -> 'EPM_MODE_WAIT' 5 -> 'EPM_MODE_LOCKRESYNC' 20 -> 'EPM_MODE_ALE' 33 -> 'EPM_MODE_VERIFY' 36 -> 'EPM_MODE_VERIFY_EXT' 38 -> 'EPM_MODE_BACKUP_CAS' 48 -> 'EPM_MODE_OK' 60 -> 'EPM_MODE_BACKUP_CRS'	发动机转速同步状态机状态	-	1	1	0
-	Epm_stSync	state of epm synchronisation: 0 -> 'EPM_NO_SYNC' 10 -> 'EPM_ALE_SYNC' 20 -> 'EPM_CAS_SYNC' 21 -> 'EPM_DIRSTALE_SYNC' 30 -> 'EPM_FULL_SYNC'	发动机转速同步状态	-	1	1	0
-	FBC_qDvtCylPhys_01	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 1	发火第一缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FBC_qDvtCylPhys_02	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 2	发火第二缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FBC_qDvtCylPhys_03	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 3	发火第三缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FBC_qDvtCylPhys_04	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 4	发火第四缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FBC_qDvtCylPhys_05	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 5	发火第五缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FBC_qDvtCylPhys_06	Value of current cylinder-indivi-dual correction quantity: Inte-grator value of FBC for physica (=geometrical) cylinder 6	发火第六缸FBC的修正油量	mg/hub	2	0.02	-655.34
-	FuelT_tFlSys	Fuel system temperature	燃油系统温度(经过燃油温度错误诊断)	deg C	2	0.1	-273.14
-	FuelT_uRaw	Raw voltage value of fuel tem-perature	燃油温度传感器的电压信号	mv	2	0.2	0
-	GlwLmp_st	Status of glow lamp	空气加热指示灯的状态	-	1	1	0
-	I15031_FILLSIG1h	Fillsignal for not supported si-gnals with the size of 1 Byte	预留信号（第一字节）	-	1	1	0
-	I15031_FILLSIG2h	Fillsignal for not supported si-gnals with the size of 2 Byte	预留信号（第二字节）	-	2	1	0
-	I15031_FILLSIG4h	Fillsignal for not supported si-gnals with the size of 4 Byte	预留信号（第四字节）	-	4	1	0
-	I15031_PID13h	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID1Dh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID65Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID66Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID67Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID68Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID69Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6AAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6BAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6CAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6DAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6EAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID6FAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID70Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID71Ah	Reserved Signal by ISO	保留	-	1	1	0
-	BattU_u	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID73Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID74Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID75Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID76Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID77Ah	Reserved Signal by ISO	保留	-	1	1	0

-	I15031_PID78Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID79Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID7AAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID7BAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID7CAh	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID7FAin	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID81Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID82Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID83Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID85Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID86Ah	Reserved Signal by ISO	保留	-	1	1	0
-	I15031_PID87Ah	Reserved Signal by ISO	保留	-	1	1	0
-	InjCrv_phiMI1Des	Desired reference angle for the start of MI1	设定的主喷提前角	deg Crs	2	0.021957914	-719.49497
-	InjCtl_qCurr	Injection quantity actual value	实际喷油量	mg/Hub	2	0.02	0
-	InjCtl_qSetUnBal	Set value of injection quantity without quantity correction	不带修正的设定喷油量	mg/Hub	2	0.02	0
-	Oil_pSwmp	Oil pressure value filtered for sending via CAN	发动机机油压力	deg C	1	0.1	-273.14
-	Oil_tSwmp	Oil temperature	发动机机油温度	deg C	2	0.1	-273.14
-	Oil_uRawTSwmp	Raw voltage value of oil tempe-rature sensor	发动机机油温度传感器的电压信号	mv	2	0.2	0
-	PID01h	PID01 (Readiness): Details about the explaination please refer to ISO 15031-5	PID01(OBD监控功能释放状态)	-	4	1	0
-	PID04h_CoETS_rTrq	Engine Torque as a percentageof maximum torque available at current engine speed	当前发动机转速的扭矩输出百分比	%	1	0.392156863	0
-	PID05_CEngDsT_tSens	Sensed value of coolant tempe-rature downstream of engine	发动机冷却液温度（未经故障监测）	deg C	1	1.0002442	-40.043101
-	PID0B_Air_pSensPIntkVUs	Sensed manifold absolute pres-sure	发动机进气歧管的压力 （未经故障监测）	kPa	1	10.002442	0
-	PID0C_Epm_nEng	engine rpm	发动机转速（OBD诊断用）	rpm	2	0.25	0
-	PID0D_VehV_vSens	Sensed vehicle speed	车辆车速 （未经故障监测）	km	1	1.002079511	0
-	PID0Fh_Air_tSensTAFS	Sensed inlet air temperature	HFM温度温度 （未经故障监测）	deg C	1	1.0002442	-40.043101
-	PID10_AFS_dmSens	Sensed air mass flow	HFM空气流量 （未经故障监测）	g/s	2	0.014400035	0
-	PID1Ch	PID1C (OBD requirements to which vehicle is designed)	PID1C(当前车辆适用的OBD类型)	-	1	1	0
-	PID1Eh_PTOSwt_st	Debounced status of the PTO switch bit0 = 0: PTO not active (OFF); bit0 = 1: PTO active (ON).	发动机动力输出开关(多态开关)状态	-	1	1	0
-	PID1Fh_CoEng_tiNormalOBD	Engine running time	发动机运行时间	s	2	1	0
-	PID21h	PID$21 (Distance Travelled Whi-le MIL is Activated)	MIL灯激活后车辆行驶里程	km	2	1.002079511	0
-	PID23h_RailP_pLin	Fuel Rail Pressure (relative)	相对燃油压力	hPa	2	#DIV/0!	#DIV/0!
-	PID2F_Fl_rTnkQnt	Fuel tank level	车辆燃油箱液位	%	1	1	0
-	PID30h	Number of warm-ups since dia-gnostic trouble codes cleared	用于清除故障码的暖机循环次数	Warm up cycle	1	1	0
-	PID31h	PID$31 (distance since diagno-stic trouble codes cleared)	故障码清除后的行驶里程	km	2	1.002079511	0
-	PID33_EnvP_pSens	Barometric pressure	大气环境压力 （未经故障监测）	kPa	1	10.002442	0
-	PID41h	PID41 (Readiness)	PID41h (测试状态)	-	4	1	0
-	PID42_BattU_uSens	Engine control module system voltage	车辆电池电压 （未经故障监测）	V	2	1	0
-	PID46_EnvT_tSens	Environment temperature	大气环境温度 （未经故障监测）	deg C	1	1.0002442	-40.083101
-	PID49_APP_uRaw1unLim	Accelerator Pedal 1 raw value relative to sensor supply volta-ge (%)	油门踏板电位计1的电压信号	mV	1	19.62155689	0
-	PID4A_APP_uRaw2unLimWoNTP	Accelerator Pedal 2 raw value relative to sensor supply volta-ge (%)	油门踏板电位计2的电压信号	mV	1	19.62155689	0
-	PID4Dh	PID$4D (Time since MIL is Activated)	MIL灯激活后的时间	-	2	1	0
-	PID4Eh	PID$4E (time since diagnostic trouble codes cleared)	故障清除后的时间	-	2	1	0
-	PID4FAh	PID4F (External Test Equipment Configuration Information. Maximum value for Equivalence Ratio)	PID4FAh	-	1	1	0
-	PID4FBh	PID4F (External Test Equipment Configuration Information. Maximum value for Oxygen Sensor Voltage)	PID4FBh(氧传感器最大电压)	-	1	1	0
-	PID4FCh	PID4F (External Test Equipment Configuration Information. Maximum value for Oxygen Sensor Current)	PID4FCh(氧传感器最大电流)	-	1	1	0
-	PID4FDh	PID4F (External Test Equipment Configuration Information. Maximum value for Intake Manifold Absolute Pressure)	PID4FD(进气歧管最大绝对压力)	-	1	10	0
-	PID50Ah	PID50 (External Test Equipment Configuration Information. Maximum value for Air Flow Rate from Mass Air Flow Sensor)	PID50A(最大进气流量)	g/s	1	10	0
-	PID50Bh	PID50 (External Test Equipment Configuration Information. Re-served Byte)	PID50B(预留信号)	-	1	1	0
-	PID50Ch	PID50 (External Test Equipment Configuration Information. Re-served Byte)	PID50C(预留信号)	-	1	1	0
-	PID50Dh	PID50 (External Test Equipment Configuration Information. Re-served Byte)	PID50D(预留信号)	-	1	1	0
-	PID59h_RailP_pLin	Fuel Rail Pressure (absolute)	当前燃油压力	kPa	2	100	0
-	PID5A_APP_rOBDPID5A	Acceleration Pedal Position relative from low idle position to sensor supply voltage (%)	加速踏板开度	%	1	0.392156863	0
-	PID5Ch_Oil_tSensSwmp	Sensed voltage value of oil tem-perature sensor	发动机机油温度（未经故障监测）	-	1	1.0002442	-40.083101
-	PID5Fh		保留	-	1	1	0

-	PID61h_CoETS_rTrq VMD	Driver Demand engine torque,as a percentage of Engine reference torque	驾驶员需求发动机扭矩	-	1	1	-125
-	PID62h_ActMod_rTrq	Engine output torque, as a percentageof Engine reference torque	实际的发动机输出扭据比	-	1	1	-125
-	PID63h_EngDa_trqEn gMax	Maximum engine output torque /Engine Reference Torque	发动最大输出扭矩	-	2	1.0002442	0
-	PID64h_RngMod_rCf gPnt1	Torque limitation of virtual engine speed point 1 as a percentage of Engine reference torque	发动机参考扭矩	-	1	1	-125
-	PID64h_RngMod_rCf gPnt2	Torque limitation of virtual engine speed point 2 as a percentage of Engine reference torque	发动机参考扭矩	-	1	1	-125
-	PID64h_RngMod_rCf gPnt3	Torque limitation of virtual engine speed point 3 as a percenta-ge of Engine reference torque	发动机参考扭矩	-	1	1	-125
-	PID64h_RngMod_rCf gPnt4	Torque limitation of virtual engine speed point 4 as a percenta-ge of Engine reference torque	发动机参考扭矩	-	1	1	-125
-	PID64h_RngMod_rCf gPnt5	Torque limitation of virtual engine speed point 5 as a percenta-ge of Engine reference torque	发动机参考扭矩	-	1	1	-125
-	PID65h_PTOCtl_stAct v		PTO开关状态		1	1	0
-	PID66h_AFS_dmSens	Sensed air mass flow	传感器测得的空气量	-	2	0.045000481	0
-	PID67h_CEngDsT_tS ens		传感器测得发动机下游冷却温度		1	1.0002442	-40.083101
-	PID68Ch_I15031_FIL LSIG1	Fillsignal for not supported signals with the size of 1 Byte	保留	-	1	1	0
-	PID68h_Air_tSensTA FS	Sensed inlet air temperature	传感器测得的进气温度	-	1	1.0002442	-40.083101
-	PID68h_Air_tSensTInt kVUs	Sensed value of air temperature upstream of the intake valve	传感器测得的进气阀上游进气温度	-	1	1.0002442	-40.083101
-	PID6Dh_RailP_pLin	the linearised rail pressure / Fuel Rail Pressure A	发动机燃油压力（滤波之前）	-	2	100	0
-	PID6Dh_Rail_pSetPoi nt	Rail pressure setpoint / Commanded Fuel Rail Pressure A	轨压设定值	-	2	100	0
-	PID6Fh_Air_pSensPA irFltDs		传感器测得的下游中冷器压力	-	1	10.002442	0
-	PID70DEh_I15031_FI LLSIG2	Fillsignal for not supported signals with the size of 2 Byte	保留	-	2	1	0
-	PID70FGh_I15031_FI LLSIG2	Fillsignal for not supported signals with the size of 2 Byte	保留	-	2	1	0
-	PID70HIh_I15031_FIL LSIG2	Fillsignal for not supported signals with the size of 2 Byte	保留	-	2	1	0
-	PID70h_Air_pSensPC ACDs	Sensed value of down stream charged air cooler pressure.	增压中冷后的空气压力（未经故障监测）	-	2	0.077822268	0
-	PID70h_PCR_pDesV al	Commanded / Desired Boost Pressure	传感器测得的下游中冷器压力	-	2	0.312501788	0
-	PID70h_PCR_stCtl	Boost Pressure Control Status	期望增压压力	-	1	1	0
-	PID71h_TrbCh_rPsNr m	OBD message for Output to power stage.	ECU对增压器执行器的输出（OBD用）		1	0.392156863	0
-	PID75Ch_I15031_FIL LSIG1	Fillsignal for not supported signals with the size of 1 Byte	保留	-	1	1	0
-	PID75h_Air_tSensTA FS	Sensed inlet air temperature	传感器测得的进气温度	-	1	1.0002442	-40.083101
-	PID77h_Air_tSensTC ACDs	Sensed inlet air temperature	传感器测得的进气温度	-	1	1.0002442	-40.083101
-	PID7Dh_EngDa_stNT ECtlArNOx	Status of NTE control area for Nox	NOX NTE控制区域的状态	-	1	1	0
-	PID7Eh_EngDa_stNT ECtlArPM	Status of NTE control area for PM	PM NTE控制区域的状态	-	1	1	0
-	PID7Fh_RTIld_EngDa TotIdlRT	Total idle run time (OBD)	发动机怠速运行总时间（OBD）	-	4	1	0
-	PID7Fh_RTIld_EngDa TotPTORT	Total run time with PTO active (OBD)	PTO工作发动机运行总时间（OBD）	-	4	1	0
-	PID7Fh_RTIld_EngDa TotRT	Engine on time	发动机运行时间	-	4	1	0
-	PID87_Air_pSensPInt kVUs	Sensed manifold absolute pressure	测得的绝对进气压力	-	2	0.312501788	0
-	PIDE0h_Signals_Defa ult	PIDE0 replace it with Signals_Default	保留	-	1	1	0
23	RDLI_ACCtl_stOut	AC compressor control status	空调压缩机状态	-	1	1	0
2001	RDLI_AFS_dm	Total air mass flow into the engine	发动机总空气流量	kg/h	2	0.1	0
2000	RDLI_AFS_dmSens	Sensed air mass flow	传感器测得的空气流量	kg/h	2	0.1	0
2002	RDLI_AFS_mAirPerC yl	Air mass per cylinder	发动机单缸进气量	mg/Hub	2	0.22	0
2003	RDLI_AFS_stDrft	SVS request status	系统要求状态量	-	1	1	0
B	RDLI_APP_r	Accelerator pedal position	加速踏板位置	%	2	0.012207031	0
A	RDLI_APP_rFlt_mp	Acceleration pedal position fil-tered value	滤波后的踏板位置信号	%	2	0.012207031	0
9	RDLI_APP_rUnFlt	Accelerator Pedal 1 Position un-filtered value	未滤波的加速踏板位置	%	2	0.012207031	0
41	RDLI_APP_stIdlSwtD ebVal	Status of debounced idle s-witch value for the potentio-meter/switch accelerator pedal	确认的怠速开关状态	-	1	1	0
C	RDLI_APP_stKD	State of accelerator pedal kick down	加速踏板加速状态	-	1	1	0
D	RDLI_APP_stPlaBrk_ mp	State of plausibility APP with brake	油门与刹车有效性状态	-	1	1	0
7	RDLI_APP_uRaw1	Accelerator Pedal 1 raw value in volt	加速踏板1电压原始值	mv	2	0.2	0
8	RDLI_APP_uRaw2	Accelerator Pedal 2 raw value in volt	加速踏板2电压原始值	mv	2	0.2	0
113	RDLI_ASMod_qInjCm b	Fuel quantity involved in combustion	完全参与燃烧的燃油数量	mg/Hub	2	0.02	0
52	RDLI_AccPed_trqDes	Driver torque value of propulsion after step limitation	驾驶员扭矩请求	Nm	4	0.1	0
53	RDLI_AccPed_trqLea d	Lead torque of accelerator pe-dal	油门踏板输出的扭矩	Nm	4	0.1	0
22	RDLI_AirC_stSwt	Status of AC switch	空调开关状态	-	1	1	0

21	RDLI_AirC_stSwtRaw	Raw value of AC-switch read from the sensor	传感器读取的空调开关原始值	-	1	1	0
114	RDLI_AirCtl_mDesVal	desired air mass	期望的空气量	mg/Hub	2	0.22	0
116	RDLI_AirCtl_mGovDvt	Air control governor deviation	新鲜空气流量偏差	mg/Hub	2	0.22	0
118	RDLI_AirCtl_mMaxDvt	Upper limit for the detection of a permanent control deviation	实际测量出最大新鲜空气量的偏差量	mg/Hub	2	0.22	0
119	RDLI_AirCtl_mMinDvt	Lower limit for the detection of a permanent control deviation	实际测量出最小新鲜空气量的偏差量	mg/Hub	2	0.22	0
115	RDLI_AirCtl_rCtlVal	stationary part of controlled va-riable [%]	新鲜空气流量控制开环或预控制开度	%	2	0.012207031	0
117	RDLI_AirCtl_rGovDvtNrm	Error between actual and commanded throttle valve position	新鲜空气流量偏差百分比	%	2	0.012207031	0
-	RDLI_AirCtl_rGovEGR	Ratio of EGR valve	EGR阀速率	%	2	0.012207031	0
-	RDLI_AirCtl_rGovTVA	Ratio of throttle valve	节流阀速率	%	2	0.012207031	0
11A	RDLI_AirCtl_stMon	status: shutdown case of the governor	新鲜空气流量控制的监控状态	-	1	1	0
FB	RDLI_AirHt_uDiffTstMaxOff	Maximum measured voltage dif-ference for heater switch off (for entire test cycle)	空气加热格栅不工作时电池电压的最大压降	mv	2	20	0
F9	RDLI_AirHt_uDiffTstMaxOn	Maximum measured voltage dif-ference for heater switch on (for entire test cycle)	空气加热格栅工作时电池电压的最大压降	mv	2	20	0
FA	RDLI_AirHt_uDiffTstMinOff	Minimum measured voltage dif-ference for heater switch off (for entire test cycle)	空气加热格栅不工作时电池电压的最小压降	mv	2	20	0
F8	RDLI_AirHt_uDiffTstMinOn	Minimum measured voltage dif-ference for heater switch on (for entire test cycle)	空气加热格栅工作时电池电压的最小压降	mv	2	20	0
-	RDLI_Air_pCACDs	Engine boost pressure	BPS压力	hPa	2	1	0
10F	RDLI_Air_pIntkVUs	Intake valve upstream pressure	进气阀上游压力	hPa	2	1	0
-	RDLI_Air_pSensPCACDs	Sensed value of down stream charged air cooler pressure	测得的中冷器下游压力	hPa	2	1	0
10E	RDLI_Air_pSensPIntkVUs	Sensed manifold absolute pressure	测得的上游绝对大气压力	hPa	2	1	0
10C	RDLI_Air_tAFS	Induction air temperature at the HFM	HFM大气温度	deg C	2	0.1	-273.14
112	RDLI_Air_tCACDs	Charge-air temperature downstream from charge-air cooler	增压空气冷却器下游增压空气温度	deg C	2	0.1	-273.14
111	RDLI_Air_tSensTCACDs	Sensed inlet air temperature	测得的进气温度	deg C	2	0.1	-273.14
-	RDLI_Air_uRawPCACDs	Charged air cooler pressure	中冷器压力	mv	2	0.2	0
10D	RDLI_Air_uRawPIntkVUs	Raw ADC value of air pressure upstream of the intake valve	进气阀上游压力原始ADC值	mv	2	0.2	0
110	RDLI_Air_uRawTCACDs	Actual Intake Air Temperature	实际进气温度	mv	2	0.2	0
24	RDLI_BattU_u	Battery Voltage	电池电压	mv	2	20	0
12	RDLI_Brk_st	Brake switch state	刹车开关状态	-	1	1	0
F	RDLI_Brk_stMn	Status of the main brake	主刹车信号状态	-	1	1	0
E	RDLI_Brk_stMnRaw	Undebounced status of the main brake read from the hardware	主刹车原始信号	-	1	1	0
11	RDLI_Brk_stRed	Status of the redundant break	副刹车信号状态	-	1	1	0
10	RDLI_Brk_stRedRaw	Undebounced status of the red-undant brake read from the hardware	副刹车信号原始状态	-	1	1	0
65	RDLI_CEngDsT_t	Coolant Temperature	冷却液温度	deg C	2	0.1	-273.14
64	RDLI_CEngDsT_tSens	Sensed engine coolant tempe-rature	传感器测得的发动机冷却液温度	deg C	2	0.1	-273.14
63	RDLI_CEngDsT_uRaw	the raw voltage from the Temperature sensor	发动机温度传感器电压值	mv	2	0.2	0
34	RDLI_CTSwt_st	Status of cabin tilt switch component driver	CT开关状态	-	1	1	0
1E	RDLI_Clth_stRaw	Clutch switch raw value	离合器信号原始值	-	1	1	0
5C	RDLI_CoEOM_stOpModeAct	Active operation mode	当前发动机运行状态	-	4	1	0
55	RDLI_CoETS_nTSEASpdDes	The desired/control engine s-peed requested from TSC1 CAN messages. This desired/control engine speed is given to the s-peed governor	TSC1通过CAN发送给ECU的期望发动机转速	rpm	2	0.5	0
54	RDLI_CoETS_nTSEASpdLim	The engine speed limitation re-quested from TSC1 CAN messa-ges. This engine speed limit is given to the speed governor	TSC1通过CAN发送给ECU的发动机限制转速	rpm	2	0.5	0
58	RDLI_CoETS_rTrq	Calculated load value	计算负荷	%	2	0.012207031	0
59	RDLI_CoETS_stCurrLimActive	Status of active minimum of limitation torques	当前激活的扭矩限制类型	-	1	1	0
56	RDLI_CoETS_trqTSEAEngMax	Torque request to Engine (Eng) intervention -Decrement (Max)	发动机干扰扭矩最大允许值	Nm	2	0.1	0
57	RDLI_CoETS_trqTSEAEngMin	Torque request to Engine (Eng) intervention -Increment (Min)	发动机干扰扭矩最小允许值	Nm	2	0.1	0
5D	RDLI_CoEng_st	Engine coordinator state: 0 -> 'COENG_STANDBY' 1 -> 'COENG_READY' 2 -> 'COENG_CRANKING' 3 -> 'COENG_RUNNING' 4 -> 'COENG_STOPPING' 5 -> 'COENG_FINISH'	发动机运行状态： 0-->待机 1-->准备 2-->起动 3-->运行 4-->停机 5-->结束	-	1	1	0
38	RDLI_CrC_stMinusRaw	Raw status of cruise control Minus key	巡航按键减的状态	-	1	1	0
39	RDLI_CrC_stOffRaw	Raw status of cruise control Off key	巡航按键关的状态	-	1	1	0
37	RDLI_CrC_stPlusRaw	Raw status of cruise control plus key	巡航按键加的状态	-	1	1	0
3A	RDLI_CrC_stResRaw	Raw status of cruise control Resume key	巡航按键回复的状态	-	1	1	0
51	RDLI_DReqSwt_stClrRaw	Raw value of the Diagnostic Memory Clear Switch status	故障清除请求开关的原始状态	-	1	1	0
50	RDLI_DReqSwt_stDeb	Status of Diagnostic Request Switch after debouncing	故障请求开关的状态	-	1	1	0

4F	RDLI_DReqSwt_stRaw	Raw value of the Diagnostic Memory Clear Switch status	故障请求开关的原始状态	-	1	1	0
123	RDLI_DSMAUX_ctWUC	Number of warm-ups since diagnostic trouble codes cleared	故障清除后暖机循环次数	-	1	1	0
124	RDLI_DSMDur_ctGlb0	global duration counters	车辆运行总的驾驶循环数	-	4	1	0
125	RDLI_DSMDur_ctGlb1	global duration counters	车辆运行总的驾驶循环数	-	4	1	0
126	RDLI_DSMDur_ctGlb2	global duration counters	车辆运行总的驾驶循环数	-	4	1	0
256	RDLI_DSMDur_ctGlb3	global duration counters of counter 3	车辆运行总的驾驶循环数	-	4	1	0
6C	RDLI_DrvDem_nDrvSetPBas_mp	Measuring point for driveability basic engine speed setpoint	发动机驾驶请求转速控制基础设定转速	rpm	2	0.5	0
6D	RDLI_DrvDem_nSetPHi	Maximal engine speed of DrvDem	发动机驾驶请求转速控制最高设定转速	rpm	2	0.5	0
6E	RDLI_DrvDem_nSetPLo	Minimal engine speed of DrvDem	发动机驾驶请求转速控制最低设定转速	rpm	2	0.5	0
49	RDLI_DrvDem_st	Drive demand status to select the pedal for setpoint calculation	发动机驾驶请求转速控制状态	-	1	1	0
4A	RDLI_DrvDem_stShOff	Shut off status for the evaluation of pedal selection for DrvDem setpoint calculation	发动机驾驶请求转速控制关闭状态	-	1	1	0
15	RDLI_EBrk_stPreSelMode	Status of Engine Brake Pre-Selection modes	发动机制动预选模式状态	-	1	1	0
14	RDLI_EBrk_stSwtDeb	Debounced value of Engine Brake switch signal	发动机制动开关状态	-	1	1	0
13	RDLI_EBrk_stSwtRaw	Raw value of Engine Brake switch signal	发动机制动开关状态原始值	-	1	1	0
36	RDLI_ECBtn_stStop	Stop Button state for ECBtn	发动机仓停止按钮状态	-	1	1	0
35	RDLI_ECBtn_stStrt	Start Button state for ECBtn	发动机仓启动按钮状态	-	1	1	0
1B	RDLI_ECRVlv_stActrOut	ECRVlv actuation demand to component driver	发动机卸压阀电机状态	-	1	1	0
11B	RDLI_EGRVlv_r	EGR valve Commanded value from application SW	EGR控制逻辑的输入，新鲜空气量控制模块AirCtl的输出	%	2	0.012207031	0
11C	RDLI_EGRVlv_rAct	EGR valve Actuator position	EGR阀实际位置	%	2	0.012207031	0
198	RDLI_EGRVlv_rActr	Governor output + Release function output	EGR阀的控制器输出值	%	2	0.012207031	0
114D	RDLI_EGRVlv_rCmdNrm	commanded value of actuator position	需求的EGR阀位置	%	2	0.012207031	0
190	RDLI_EGRVlv_rGovDesVal	internal desired value for governor	EGR阀控制器期望输出值	%	2	0.012207031	0
11D	RDLI_EGRVlv_rPs	EGR valve Duty cycle to power stage	EGR阀占空比	%	2	0.012207031	0
194	RDLI_EGRVlv_rSens	Sensed value of actuator position without error handling	EGR阀位置反馈传感器测量值	%	2	0.012207031	0
195	RDLI_EGRVlv_stMon	state of system monitoring	EGR阀的系统监控状态	-	4	1	0
196	RDLI_EGRVlv_stMon2	status of system monitoring for bank two in double flow implementation	EGR阀的系统监控状态	-	4	1	0
197	RDLI_EGRVlv_stMon3	""	EGR阀的系统监控状态	-	4	1	0
191	RDLI_EGRVlv_uRaw	Raw voltage value of position sensor	EGR阀位置反馈传感器电压值	mv	2	0.2	0
192	RDLI_EGRVlv_uRelPosClsd_mp	learned raw voltage value at closed position	EGR阀在全关位置时的自学习值	mv	2	0.2	0
193	RDLI_EGRVlv_uRelPosOpn_mp	learned raw voltage value at opened position	EGR阀在全开位置时的自学习值	mv	2	0.2	0
6A	RDLI_EISGov_nSetPHi	Upper limit of the speed interval (maximum speed) of EISGov	高怠速控制最高转速	rpm	2	0.5	0
6B	RDLI_EISGov_nSetPLo	Lower limit of the speed interval (setpoint speed) of the EISGov	高怠速控制最低转速	rpm	2	0.5	0
5A	RDLI_EISGov_trq	Resultant output torque of EISGov controller	高怠速控制综合输出扭矩	Nm	2	0.1	0
100	RDLI_EngBrk_dnTstCyl_mp0	Average speed drops for each cylinder	发火第一缸的发动机转速下降的平均速度	rpm	2	0.5	0
101	RDLI_EngBrk_dnTstCyl_mp1	Average speed drops for each cylinder	发火第二缸的发动机转速下降的平均速度	rpm	2	0.5	0
102	RDLI_EngBrk_dnTstCyl_mp2	Average speed drops for each cylinder	发火第三缸的发动机转速下降的平均速度	rpm	2	0.5	0
103	RDLI_EngBrk_dnTstCyl_mp3	Average speed drops for each cylinder	发火第四缸的发动机转速下降的平均速度	rpm	2	0.5	0
104	RDLI_EngBrk_dnTstCyl_mp4	Average speed drops for each cylinder	发火第五缸的发动机转速下降的平均速度	rpm	2	0.5	0
105	RDLI_EngBrk_dnTstCyl_mp5	Average speed drops for each cylinder	发火第六缸的发动机转速下降的平均速度	rpm	2	0.5	0
FE	RDLI_EngBrk_nTstNDrpStop_mp	Engine speed at the stop of the speed drop test	发动机转速停止下降时的发动机转速数值	rpm	2	0.5	0
FD	RDLI_EngBrk_nTstNDrpStrt_mp	Engine speed at the start of the speed drop test	发动机转速开始下降时的发动机转速数值	rpm	2	0.5	0
16	RDLI_EngBrk_rExhFlpCurr	Actual status (process signal) of exhaust flap	排气制动阀实际状态	%	2	0.012207031	0
1A	RDLI_EngBrk_stECRActrDem	Debounced value of Engine Brake switch signal	发动机制动开关信号反馈值	-	1	1	0
19	RDLI_EngBrk_stECRCtl	Current status of the Engine compression release Valve(ECRVlv)	发动机卸压阀状态	-	1	1	0
FC	RDLI_EngBrk_stTstRslt_mp	Status of the result of the engine brake test	发动机缸内制动测试结果状态	-	1	1	0
FF	RDLI_EngBrk_tiTstNDrp_mp	Time duration of the speed drop test	发动机转速下降阶段经历的时间跨度	us	4	1	0
62	RDLI_EngDa_tEng	Engine temperature	发动机温度	deg C	2	0.1	-273.14
70	RDLI_EngDa_tiEngOff	Engine OFF time	发动机停机时间	-	4	1	0
6F	RDLI_EngDa_tiEngOn	Engine on time	发动机运行时间	-	4	1	0
-	RDLI_EngDem_facAdj	EEPROM adjustment value for correction of the limiting torque	EEPROM中存储的限制扭矩的修正值	-	2	0.00012207	0
10B	RDLI_EnvP_p	Current atmospheric pressure	当前大气压力	hPa	2	1	0
10A	RDLI_EnvP_pSens	Sensed value of environment air pressure	传感器测得的大气压力	hPa	2	1	0
109	RDLI_EnvP_uRaw	Raw value of the Atmospheric pressure sensor	大气压力传感器原始电压值	mv	2	0.2	0

60	RDLI_EpmCaS_nCaS_mp	camshaft spedd based on one camshaft rotation	凸轮轴转速	Ca rpm	2	0.25	0
5F	RDLI_Epm_dnEng	Enginespeed-gradient calculated over current crankshaft-segment (S0-S0 oder S1-S1)	由凸轮轴转速转换为发动机转速的系数	rpm/s	2	0.5	0
5E	RDLI_Epm_nEng	Engine speed	发动机转速	rpm	2	0.5	0
61	RDLI_Epm_stSync	State synchronisation: 0 -> 'EPM_NO_SYNC' 10 -> 'EPM_ALE_SYNC' 20 -> 'EPM_CAS_SYNC' 21 -> 'EPM_DIRSTALE_SYNC' 30 -> 'EPM_FULL_SYNC'	发动机同步状态	-	1	1	0
121	RDLI_ErrLmp_stMILReq	MIL request status	MIL灯状态	-	1	1	0
122	RDLI_ErrLmp_stSVSReq	SVS request status	SVS灯状态	-	1	1	0
17	RDLI_ExhFlpLP_r	Commanded value from appli-cation SW	排气制动阀需求值	%	2	0.012207031	0
18	RDLI_ExhFlpLP_rPs	Duty cycle to power stage	排气制动阀占空比	%	2	0.01	0
2F	RDLI_Fan_nFlt	Filtered fan speed	滤波后的风扇转速	-	2	1	0
2E	RDLI_Fan_nSens	Sensed fan speed	风扇转速	-	2	1	0
30	RDLI_Fan_r	Fan speed set point	风扇转速设定点	%	2	0.012207031	0
31	RDLI_Fan_rPs	Fan duty cycle	风扇占空比	%	2	0.01	0
32	RDLI_Fan_st	Set point value for digital fan outputs	风扇状态	-	1	1	0
33	RDLI_Fan_stPs	Fan output state	风扇输出状态	-	1	1	0
4D	RDLI_FlFltHt_st	Status of Fuel Filter Heating Di-gital output	燃油滤清器加热状态数字输出	-	1	1	0
4E	RDLI_FlFltHt_stPs	Logical Output of Fuel Filter Heating	燃油滤清器加热状态逻辑输出	-	1	1	0
73	RDLI_Fl_pFuelP	Filtered Fuel pressure value	过滤后燃油压力	hPa	2	1	0
4C	RDLI_Fl_stWLvlSensDebVal	Debounced value of fuel filter water level sensor signal	确认的燃油滤清器水位监测传感器逻辑值	-	1	1	0
4B	RDLI_Fl_stWLvlSensRawVal	Raw logical value of fuel filter water level sensor input signal	燃油滤清器水位监测传感器原始逻辑值	-	1	1	0
-	RDLI_FuelT_t	Fuel temperature	燃油温度	deg C	2	0.1	-273.14
75	RDLI_FuelT_tFlSys	Raw ADC value of fuel temperature	燃油温度原始ADC值	deg C	2	0.1	-273.14
74	RDLI_FuelT_uRaw	Voltage raw value of fuel temperature	燃油温度原始电压值	mv	2	0.2	0
20	RDLI_Gbx_numGear	Status of actual gear	当前档位	-	1	1	0
1F	RDLI_Gbx_stNPos	Gearbox neutral position status signal	空档信号状态	-	1	1	0
16D	RDLI_GlbDa_lTotDst	Application parameter for total vehicle distance	车辆总的行驶里程	m	4	1	0
2C	RDLI_GlwLmp_st	Glow control lamp output	加热指示灯的控制状态	-	1	1	0
2D	RDLI_GlwLmp_stPs	Digital output to the actuator after diagnosis	加热指示灯的实际输出状态	-	1	1	0
-	RDLI_GlwPlg_stPs	Glow plug digital actuator si-gnal to the power stage	空气预热塞执行器加电状态	-	1	1	0
71	RDLI_HLSDem_nSetPHi	Maximum engine speed of HLS-Dem	发动机高怠速最高转速	rpm	2	0.5	0
-	RDLI_HLSDem_nSetPLo	Minimum engine speed of HLSDem	发动机低怠速设定值	rpm	2	0.5	0
-	RDLI_HLSDem_nSetPLoTrm	Auto idle target engine speed adjustment	针对目标怠速的修正转速	rpm	2	0.5	0
1D	RDLI_HndBrk_stDebVal	Debounced value of Hand Brake switch	手刹开关的计算值	-	1	1	0
1C	RDLI_HndBrk_stRawVal	Raw value of Hand Brake switch read from the HWE	通过硬件读取的手刹信号原始值	-	1	1	0
28	RDLI_IAirHt_st0	Request for intake air heater ON/OFF from ASW	空气加热器开关软件请求值	-	1	1	0
2A	RDLI_IAirHt_stPs0	Control value for the power sta-ge for intake air heater	空气加热器开关控制值	-	1	1	0
BD	RDLI_IVDia_numIdxErrCyl0	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
BE	RDLI_IVDia_numIdxErrCyl1	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
BF	RDLI_IVDia_numIdxErrCyl2	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
C0	RDLI_IVDia_numIdxErrCyl3	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
C1	RDLI_IVDia_numIdxErrCyl4	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
C2	RDLI_IVDia_numIdxErrCyl5	Index of cylinder specific errors which can be detected	对应缸监测的错误索引	-	2	1	0
C3	RDLI_IVDia_stErrChp0	Low level error message for CY-33x	内部CY33X芯片1错误状态	-	1	1	0
C4	RDLI_IVDia_stErrChp1	Low level error message for CY-33x	内部CY33X芯片2错误状态	-	1	1	0
C5	RDLI_IVDia_stErrClctCyl0	Low level error message prepro-cessed for CY33x physical cylinder 1	CY33X芯片控制物理1缸错误状态	-	4	1	0
C6	RDLI_IVDia_stErrClctCyl1	Low level error message prepro-cessed for CY33x physical cylinder 2	CY33X芯片控制物理2缸错误状态	-	4	1	0
C7	RDLI_IVDia_stErrClctCyl2	Low level error message prepro-cessed for CY33x physical cylinder 3	CY33X芯片控制物理3缸错误状态	-	4	1	0
C8	RDLI_IVDia_stErrClctCyl3	Low level error message prepro-cessed for CY33x physical cylinder 4	CY33X芯片控制物理4缸错误状态	-	4	1	0
C9	RDLI_IVDia_stErrClctCyl4	Low level error message prepro-cessed for CY33x physical cylinder 5	CY33X芯片控制物理5缸错误状态	-	4	1	0
CA	RDLI_IVDia_stErrClctCyl5	Low level error message prepro-cessed for CY33x physical cylinder 6	CY33X芯片控制物理6缸错误状态	-	4	1	0
E6	RDLI_IVPlaus_mAirPerCylP1RunUpTst	Measured air mass at measu-ring point P1	在P1增压器进气口前氧传感器实际测量到的新鲜空气的流量	mg/Hub	2	0.22	0
D1	RDLI_IVPlaus_nCyl0	Cylinder specific engine speed	发火第一缸的发动机转速	rpm	2	0.5	0
D2	RDLI_IVPlaus_nCyl1	Cylinder specific engine speed	发火第二缸的发动机转速	rpm	2	0.5	0
D3	RDLI_IVPlaus_nCyl2	Cylinder specific engine speed	发火第三缸的发动机转速	rpm	2	0.5	0
D4	RDLI_IVPlaus_nCyl3	Cylinder specific engine speed	发火第四缸的发动机转速	rpm	2	0.5	0
D5	RDLI_IVPlaus_nCyl4	Cylinder specific engine speed	发火第五缸的发动机转速	rpm	2	0.5	0
D6	RDLI_IVPlaus_nCyl5	Cylinder specific engine speed	发火第六缸的发动机转速	rpm	2	0.5	0
E4	RDLI_IVPlaus_nHiDwnRunUpTst	engine speed at the beginning of rundownphase of runup test	断缸测试中发动机转速下降阶段的终止转速	rpm	2	0.5	0
E2	RDLI_IVPlaus_nHiUpRunUpTst	engine speed at the end of run up phase of run up test	断缸测试中发动机转速上升阶段的终止转速	rpm	2	0.5	0

E3	RDLI_IVPlaus_nLoDwnRunUpTst	engine speed at the end of run down phase of run up test	断缸测试中发动机转速下降阶段的起始转速	rpm	2	0.5	0
E1	RDLI_IVPlaus_nLoUpRunUpTst	engine speed at the beginning of run up phase of run up test	断缸测试中发动机转速上升阶段的起始转速	rpm	2	0.5	0
CB	RDLI_IVPlaus_qFBCCyl0	Cylinder specific fuell mass correction by FBC	发火第一缸的FBC修正油量	mg/Hub	2	0.02	0
CC	RDLI_IVPlaus_qFBCCyl1	Cylinder specific fuell mass correction by FBC	发火第二缸的FBC修正油量	mg/Hub	2	0.02	0
CD	RDLI_IVPlaus_qFBCCyl2	Cylinder specific fuell mass correction by FBC	发火第三缸的FBC修正油量	mg/Hub	2	0.02	0
CE	RDLI_IVPlaus_qFBCCyl3	Cylinder specific fuell mass correction by FBC	发火第四缸的FBC修正油量	mg/Hub	2	0.02	0
CF	RDLI_IVPlaus_qFBCCyl4	Cylinder specific fuell mass correction by FBC	发火第五缸的FBC修正油量	mg/Hub	2	0.02	0
D0	RDLI_IVPlaus_qFBCCyl5	Cylinder specific fuell mass correction by FBC	发火第六缸的FBC修正油量	mg/Hub	2	0.02	0
E7	RDLI_IVPlaus_qInjCmbP1RunUpTst	By ASMod calculated injection quantity at measuring point P1	空气数学模型计算出的增压器进气口前的新鲜空气氧含量	mg/Hub	2	0.02	0
E5	RDLI_IVPlaus_rO2PresCompP1RunUpTst	measured O2-Concentration of the actual measured LSU at point P1	在P1增压器进气口前氧传感器实际测量到的新鲜空气的氧含量	-	2	0.00001	0
E8	RDLI_IVPlaus_rO2PresCompP2RunUpTst	measured O2-Concentration of the actual measured LSU at point P2	在P2增压中冷前氧传感器实际测量到的新鲜空气的氧含量	-	2	0.00001	0
E9	RDLI_IVPlaus_rO2PresCompP3RunUpTst	measured O2-Concentration of the actual measured LSU at point P3	在P3增压器废气进口前氧传感器实际测量到的新鲜空气的氧含量	-	2	0.00001	0
EA	RDLI_IVPlaus_rO2PresCompP4RunUpTst	measured O2-Concentration of the actual measured LSU at point P4	在P4增压器废气出口后氧传感器实际测量到的新鲜空气的氧含量	-	2	0.00001	0
EB	RDLI_IVPlaus_stRefComprTst	Status of refused compression test	禁止压缩测试的条件状态	-	2	1	0
DE	RDLI_IVPlaus_stRefRunUpTst	status of refused run up test	退出高速测试状态	-	2	1	0
E0	RDLI_IVPlaus_tiDwnRunUpTst	time for run down phase of run up test	断缸测试中的转速下降时间	us	4	0.4	0
EC	RDLI_IVPlaus_tiPreTDCComprTst0	Captured time for applicated angles before TDC	压缩测试发火第一缸特定曲轴角度到上止点的时间	-	4	1	0
ED	RDLI_IVPlaus_tiPreTDCComprTst1	Captured time for applicated angles before TDC	压缩测试发火第二缸特定曲轴角度到上止点的时间	-	4	1	0
EE	RDLI_IVPlaus_tiPreTDCComprTst2	Captured time for applicated angles before TDC	压缩测试发火第三缸特定曲轴角度到上止点的时间	-	4	1	0
EF	RDLI_IVPlaus_tiPreTDCComprTst3	Captured time for applicated angles before TDC	压缩测试发火第四缸特定曲轴角度到上止点的时间	-	4	1	0
F0	RDLI_IVPlaus_tiPreTDCComprTst4	Captured time for applicated angles before TDC	压缩测试发火第五缸特定曲轴角度到上止点的时间	-	4	1	0
F1	RDLI_IVPlaus_tiPreTDCComprTst5	Captured time for applicated angles before TDC	压缩测试发火第六缸特定曲轴角度到上止点的时间	-	4	1	0
F2	RDLI_IVPlaus_tiPstTDCComprTst0	Captured time for applicated angles after TDC	压缩测试发火第一缸上止点到特定曲轴角度的时间	-	4	1	0
F3	RDLI_IVPlaus_tiPstTDCComprTst1	Captured time for applicated angles after TDC	压缩测试发火第二缸上止点到特定曲轴角度的时间	-	4	1	0
F4	RDLI_IVPlaus_tiPstTDCComprTst2	Captured time for applicated angles after TDC	压缩测试发火第三缸上止点到特定曲轴角度的时间	-	4	1	0
F5	RDLI_IVPlaus_tiPstTDCComprTst3	Captured time for applicated angles after TDC	压缩测试发火第四缸上止点到特定曲轴角度的时间	-	4	1	0
F6	RDLI_IVPlaus_tiPstTDCComprTst4	Captured time for applicated angles after TDC	压缩测试发火第五缸上止点到特定曲轴角度的时间	-	4	1	0
F7	RDLI_IVPlaus_tiPstTDCComprTst5	Captured time for applicated angles after TDC	压缩测试发火第六缸上止点到特定曲轴角度的时间	-	4	1	0
DF	RDLI_IVPlaus_tiUpRunUpTst	time for run up phase of run up test	断缸测试中的转速上升时间	us	4	0.4	0
B3	RDLI_InjCrv_phiMI1Des	Desired reference angle for the start of MI1	主喷提前角	deg Crs	2	0.021972656	0
B2	RDLI_InjCrv_phiPil1Des	Desired angular component for Pil1 start of energizing	预喷1提前角	deg Crs	2	0.021972656	0
B1	RDLI_InjCrv_phiPil2Des	Desired angular component for Pil2 start of energizing	预喷2提前角	deg Crs	2	0.021972656	0
B4	RDLI_InjCrv_phiPol1Des	Desired reference angle for the start of Pol1	后喷1提前角	deg Crs	2	0.021972656	0
B5	RDLI_InjCrv_phiPol2Des	Desired reference angle for the start of Pol2	后喷2提前角	deg Crs	2	0.021972656	0
A4	RDLI_InjCrv_qMI1Des	Desired MI1 injection quantity	主喷油量请求值	mg/Hub	2	0.02	0
9E	RDLI_InjCrv_qPil1Des0	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
9F	RDLI_InjCrv_qPil1Des1	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
A0	RDLI_InjCrv_qPil1Des2	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
A1	RDLI_InjCrv_qPil1Des3	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
A2	RDLI_InjCrv_qPil1Des4	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
A3	RDLI_InjCrv_qPil1Des5	Desired Pil1 injection quantity	预喷1油量请求值	mg/Hub	2	0.02	0
98	RDLI_InjCrv_qPil2Des0	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
99	RDLI_InjCrv_qPil2Des1	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
9A	RDLI_InjCrv_qPil2Des2	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
9B	RDLI_InjCrv_qPil2Des3	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
9C	RDLI_InjCrv_qPil2Des4	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
9D	RDLI_InjCrv_qPil2Des5	Desired Pil2 injection quantity	预喷2油量请求值	mg/Hub	2	0.02	0
A5	RDLI_InjCrv_qPol1Des0	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0
A6	RDLI_InjCrv_qPol1Des1	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0

Addr	Name	Description	中文	Unit			
A7	RDLI_InjCrv_qPol1Des2	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0
A8	RDLI_InjCrv_qPol1Des3	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0
A9	RDLI_InjCrv_qPol1Des4	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0
AA	RDLI_InjCrv_qPol1Des5	Desired Pol1 injection quantity	后喷1油量请求值	mg/Hub	2	0.02	0
AB	RDLI_InjCrv_qPol2Des0	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
AC	RDLI_InjCrv_qPol2Des1	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
AD	RDLI_InjCrv_qPol2Des2	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
AE	RDLI_InjCrv_qPol2Des3	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
AF	RDLI_InjCrv_qPol2Des4	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
B0	RDLI_InjCrv_qPol2Des5	Desired Pol2 injection quantity	后喷2油量请求值	mg/Hub	2	0.02	0
8D	RDLI_InjCrv_stInjCharActVal0	Injection characteristic actual value	喷油释放特性	-	1	1	0
8E	RDLI_InjCrv_stInjCharActVal1	Injection characteristic actual value	喷油释放特性	-	1	1	0
8F	RDLI_InjCrv_stInjCharActVal2	Injection characteristic actual value	喷油释放特性	-	1	1	0
90	RDLI_InjCrv_stInjCharActVal3	Injection characteristic actual value	喷油释放特性	-	1	1	0
91	RDLI_InjCrv_stInjCharActVal4	Injection characteristic actual value	喷油释放特性	-	1	1	0
92	RDLI_InjCrv_stInjCharActVal5	Injection characteristic actual value	喷油释放特性	-	1	1	0
DD	RDLI_InjCrv_stRefShOffTst	Status of a refused shut off test	退出停机测试状态	-	1	1	0
-	RDLI_InjCrv_tiMI1ET	Energising time of main injections	主喷加电时间	us	2	0.4	0
95	RDLI_InjCtl_qCurr	Current Injection Quantity	喷射油量（用于轨压计算）	mg/Hub	2	0.02	0
96	RDLI_InjCtl_qRaw	raw value of injection mass	喷射油量（用于空气系统计算）	mg/Hub	2	0.02	0
94	RDLI_InjCtl_qSetUnBal	Actual Injection Quantity	喷射油量（用于喷油器喷射计算）	mg/Hub	2	0.02	0
250	RDLI_InjSys_qInrCmb0	Inner combusted quantity for physical cylinder 1	发火第1缸内部燃烧油量	mg/Hub	2	0.02	0
251	RDLI_InjSys_qInrCmb1	Inner combusted quantity for physical cylinder 2	发火第2缸内部燃烧油量	mg/Hub	2	0.02	0
252	RDLI_InjSys_qInrCmb2	Inner combusted quantity for physical cylinder 3	发火第3缸内部燃烧油量	mg/Hub	2	0.02	0
253	RDLI_InjSys_qInrCmb3	Inner combusted quantity for physical cylinder 4	发火第4缸内部燃烧油量	mg/Hub	2	0.02	0
254	RDLI_InjSys_qInrCmb4	Inner combusted quantity for physical cylinder 5	发火第5缸内部燃烧油量	mg/Hub	2	0.02	0
255	RDLI_InjSys_qInrCmb5	Inner combusted quantity for physical cylinder 6	发火第6缸内部燃烧油量	mg/Hub	2	0.02	0
93	RDLI_InjUn_stStrt	Service information for trouble in starting of engine	发动机启动时故障信息	-	1	1	0
B6	RDLI_InjVlv_tiET_mp0	current energizing time	喷油器加电时间	us	2	0.4	0
B7	RDLI_InjVlv_tiET_mp1	current energizing time	喷油器加电时间	us	2	0.4	0
B8	RDLI_InjVlv_tiET_mp2	current energizing time	喷油器加电时间	us	2	0.4	0
B9	RDLI_InjVlv_tiET_mp3	current energizing time	喷油器加电时间	us	2	0.4	0
BA	RDLI_InjVlv_tiET_mp4	current energizing time	喷油器加电时间	us	2	0.4	0
BB	RDLI_InjVlv_tiET_mp5	current energizing time	喷油器加电时间	us	2	0.4	0
BC	RDLI_InjVlv_tiET_mp6	current energizing time	喷油器加电时间	us	2	0.4	0
7C	RDLI_MeUn_dvolSet	Rail pressure governing set value (volume flow rate)	轨压控制器体积流量设定值	mm^3/s	2	10	0
79	RDLI_MeUn_iActFlt	PT1-filtered actual current value of metering unit	MeUn PT1过滤后的实际电流值	mA	2	1	0
77	RDLI_MeUn_iSet	Electrical set value of current for metering unit	油量计量单元电流设定值	mA	2	1	0
76	RDLI_MeUn_rPs	metering unit duty cycle for HWE	油量计量单元占空比	%	2	0.01	0
78	RDLI_MeUn_uRaw	Analog input raw value of metering unit	MeUn模拟电压信号初始值	mv	2	0.2	0
-	RDLI_Oil_pAna	Oil temperature	机油温度	hPa	2	1	0
66	RDLI_Oil_stPSwmp	Oil Pressure Switch Debounced Value	机油压力开关状态	-	1	1	0
69	RDLI_Oil_tSwmp	Oil temperature in oil sump	机油箱机油温度	deg C	2	0.1	-273.14
67	RDLI_Oil_uRawPSwmp	Raw value of voltage from the ADC	机油压力传感器数模转换后原始电压值	mv	2	0.2	0
-	RDLI_Oil_uRawTSwmp	Oil temperature sensor raw value	机油温度传感器原始信号值	mv	2	0.2	0
-	RDLI_PCV_iActVal	Current actual value of the analog input	当前的PCV阀的反馈电流信号	mA	2	1	0
7B	RDLI_PCV_pSet	setpoint value of pressure con-trol valve	压力控制阀设定值	hPa	2	100	0
7A	RDLI_PCV_rPs	Output duty cycle for PCV	PCV实际占空比输出	%	2	0.01	0
8B	RDLI_PRV_ctOpn_mp	the number of times the PRV is opened	泄压阀打开的次数	-	2	1	0
8C	RDLI_PRV_tiOpn_mp	Time spent in open state of Pressure relief valve	压力控制阀打开的时间	min	2	1	0
72	RDLI_PSP_st	Electrical pre-supply pump control output	燃油预供泵控制状态	-	1	1	0
40	RDLI_PTOSwt_st	Power Take-off switch's current state for a specific input voltage	PTO开关状态	-	1	1	0
3F	RDLI_PTOSwt_uRaw	Raw input voltage value for PTO switch	PTO开关输入电压	mv	2	0.2	0
5B	RDLI_PthSet_trqInrSet	Inner torque set value after monitoring limitation	经过系统监控和边界限值计算后的内部设定扭矩数值	Nm	2	0.1	0
85	RDLI_RailP_pFlt	Maximum rail pressure of last 10ms	持续10ms最大轨压	hPa	2	100	0
84	RDLI_RailP_pLin	Fuel pressure	轨压	hPa	2	100	0

7D	RDLI_RailP_uOfsAftRun	Value of the rail pressure sensor voltage during active monitoring in after-run	轨压传感器偏差监控在Afterrun阶段的实际电压值	mv	2	0.2	0
7E	RDLI_RailP_uOfsAftRunMax	Upper offset threshold of the rail pressure sensor offset mo-nitoring during after-run	轨压传感器偏差监控在Afterrun阶段的最高允许电压值	mv	2	0.2	0
7F	RDLI_RailP_uOfsAftRunMin	Lower offset threshold of the rail pressure sensor offset mo-nitoring during after-run	轨压传感器偏差监控在Afterrun阶段的最低允许电压值	mv	2	0.2	0
80	RDLI_RailP_uOfsStrt	Value of the rail pressure sensor voltage during active monitoring in the starting phase	轨压传感器偏差监控在启动阶段的实际电压值	mv	2	0.2	0
81	RDLI_RailP_uOfsStrtMax	Upper offset threshold of the rail pressure sensor offset mo-nitoring during startup	轨压传感器偏差监控在启动阶段的最高允许电压值	mv	2	0.2	0
82	RDLI_RailP_uOfsStrtMin	Lower offset threshold of the rail pressure sensor offset mo-nitoring during startup	轨压传感器偏差监控在启动阶段的最低允许电压值	mv	2	0.2	0
83	RDLI_RailP_uRaw	Raw value of rail pressure	轨压初始值	mv	2	0.2	0
-	RDLI_RailP_uRawMax	Raw peak value of rail pressure	最大轨压原始值	mv	2	0.2	0
87	RDLI_Rail_dvolPreCtl	Precontrol value for pressure governing by metering unit	MeUn压力调节预定值	mm^3/s	2	10	0
88	RDLI_Rail_pDvt	Deviation of rail pressure gover-nor	轨压偏差	hPa	2	100	0
86	RDLI_Rail_pSetPoint	Setpoint rail pressure	轨压设定值	hPa	2	100	0
8A	RDLI_Rail_stCPC	Status of the state machine for switching the rail pressure control	轨压控制切换状态机的状态	-	1	1	0
89	RDLI_Rail_stCtlLoop	Pressure governor	轨压控制状态	-	1	1	0
D9	RDLI_Rail_stDwn1HpTst	HpTst status first drop down	高压测试第一次泄压状态	-	4	1	0
DA	RDLI_Rail_stDwn2HpTst	HpTst status second drop down	高压测试第二次泄压状态	-	4	1	0
DB	RDLI_Rail_stDwn3HpTst	HpTst status third drop down	高压测试第三次泄压状态	-	4	1	0
D7	RDLI_Rail_stRefHpTst	Status of running conditions for HpTst	高压测试运行条件状态	-	2	1	0
D8	RDLI_Rail_stUpHpTst	Array ofstates ofbuild up pha-ses of HpTst	高压测试压力建立过程的阶段状态整列	-	1	1	0
DC	RDLI_Rail_stStMHpTst	Status of HpTst	高压测试状态	-	1	1	0
-	RDLI_Rail_stUp1HpTst	Status of current build up phase of HpTst	高压测试中当前建压状态	-	4	1	0
127	RDLI_Reset_xHistBuf0	Historybuffer of the last 8 Reset-ID's	Buffer 0 复位的ID	-	2	1	0
128	RDLI_Reset_xHistBuf1	Historybuffer of the last 8 Reset-ID's	Buffer 1 复位的ID	-	2	1	0
129	RDLI_Reset_xHistBuf2	Historybuffer of the last 8 Reset-ID's	Buffer 2 复位的ID	-	2	1	0
12A	RDLI_Reset_xHistBuf3	Historybuffer of the last 8 Reset-ID's	Buffer 3 复位的ID	-	2	1	0
12B	RDLI_Reset_xHistBuf4	Historybuffer of the last 8 Reset-ID's	Buffer 4 复位的ID	-	2	1	0
12C	RDLI_Reset_xHistBuf5	Historybuffer of the last 8 Reset-ID's	Buffer 5 复位的ID	-	2	1	0
12D	RDLI_Reset_xHistBuf6	Historybuffer of the last 8 Reset-ID's	Buffer 6 复位的ID	-	2	1	0
12E	RDLI_Reset_xHistBuf7	Historybuffer of the last 8 Reset-ID's	Buffer 7 复位的ID	-	2	1	0
47	RDLI_RmtAPP_r	Value of Remote accelerator pedal Position	远程油门踏板位置	%	2	0.012207031	0
46	RDLI_RmtAPP_rUnFlt	Unfiltered value of Remote accelerator pedal Position	未滤波的远程油门踏板位置	%	2	0.012207031	0
48	RDLI_RmtAPP_stIdlSwtDebVal	Status of debounced idle switch value for the potentiometer/switch remote accelerator pedal	经确认的怠速开关状态	-	1	1	0
44	RDLI_RmtAPP_uRaw1	Remote Acceleration pedal1 position raw value	远程加速踏板1电压	mv	2	0.2	0
45	RDLI_RmtAPP_uRaw2	Remote Acceleration pedal2 position raw value	远程加速踏板2电压	mv	2	0.2	0
43	RDLI_SpdDemSwt_st	Speed demand switch status	车速请求开关状态	-	1	1	0
42	RDLI_SpdGovSwt_st	Speed Governor Switch status	车速调节器开关状态	-	1	1	0
-	RDLI_StSys_trqSetAdjVal_mp	EEPROM adjustment value for start torque correction	启动扭矩修正EEPROM存储值	Nm	2	0.1	0
5	RDLI_Strt_st	Control signal for the starter relay	起动机继电器信号	-	1	1	0
6	RDLI_Strt_stPs	Status of stater lamp Power stage	起动机开关状态	-	1	1	0
2	RDLI_T15_st	Terminal 15 status after debouncing	跳变后的T15状态	-	1	1	0
1	RDLI_T15_stRaw	Raw value of terminal 15	T15原始值	-	1	1	0
4	RDLI_T50_st	Terminal 50 signal after plausibilisation	跳变后的T50信号	-	1	1	0
3	RDLI_T50_stRaw	Raw value of Terminal 50 from hardware	T50原始值	-	1	1	0
11E	RDLI_TrbCh_r	Commanded value from application SW, set-point value	增压器控制逻辑的输入，增压压力控制模块PCR的输出	%	2	0.012207031	0
11F	RDLI_TrbCh_rPs	Output value for the boost pressure actuator power stage	ECU对增压器执行器的控制输出	%	2	0.01	0
3E	RDLI_VMSAdjBtn_st	Adjustable maximum vehicle S-peed limitation button status	可变最大车速限制开关状态	-	1	1	0
3D	RDLI_VMSAdjBtn_stRaw_mp	Measuring point for the raw va-lue of Adjustable maximum ve-hicle speed limitataion button status	可变最大车速限制开关原始状态	-	1	1	0
3C	RDLI_VMSLmtSwt_st	Vehicle Maximum Speed limit switch value	最大车速限制开关状态	-	1	1	0
3B	RDLI_VMSLmtSwt_stRaw	Vehicle Maximum Speed limit switch raw value	最大车速限制开关原始值	-	1	1	0
120	RDLI_VSwVlv_r	Set point value of Variable swirl actuator	可变涡轮增压器设定值	%	2	0.012207031	0
25	RDLI_VehV_a	The acceleration of the vehicle	车辆加速度	m/s^2	2	0.001	0
26	RDLI_VehV_v	Vehicle Speed	车速	km/h	2	0.01	0
27	RDLI_VehV_vSens	Sensed vehicle speed	传感器得到的车速	km/h	2	0.01	0
-	RailP_pFlt	raw peak value of rail pressure	原始轨压峰值	hPa	2	100	0
-	RailP_uOfsAftRun	voltage value of rail pressure sensor during active monitoring in afterrun mode	轨压传感器电压（AfterRun）	mv	2	0.2	0

-	RailP_uOfsAftRunMax	upper offset value of voltage of rail pressure sensor during active monitoring in afterrun mode	轨压传感器电压偏移上限（AfterRun）	mv	2	0.2	0
-	RailP_uOfsAftRunMin	lower offset value of voltage of rail pressure sensor during active monitoring in afterrun mode	轨压传感器电压偏移下限（AfterRun）	mv	2	0.2	0
-	RailP_uOfsStrt	voltage value of rail pressure sensor during active monitoring during start phase	轨压传感器电压偏差（Start）	mv	2	0.2	0
-	RailP_uOfsStrtMax	upper offset value of voltage of rail pressure sensor during active monitoring during start phase	轨压传感器电压偏差上限（Start）	mv	2	0.2	0
-	RailP_uOfsStrtMin	lower offset value of voltage of rail pressure sensor during active monitoring during start phase	轨压传感器电压偏差下限（Start）	mv	2	0.2	0
-	RailP_uRaw	raw voltage value of rail pressure	轨压原始电压值	mv	2	0.2	0
-	Rail_dvolPreCtl	common pre-control value	发动机燃油压力控制中预控制设定体积油量	mm^3/s	2	10	0
-	Rail_pDvt	governor deviation for the pressure governor	轨压控制偏差	hPa	2	100	0
-	Rail_pSetPoint	setpoint rail pressure	轨压设定值	hPa	2	100	0
-	Rail_stCPC	CPC state machine	轨压控制开关状态机	-	1	1	0
-	Rail_stCtlLoop	status of rail pressure governor	轨压调节器状态	-	1	1	0
-	RmtAPP_rUnFlt	Remote Accelarator Pedal 1 Po-sition Unfilteres Value (%)	远程油门踏板开度	%	1	40	0
-	RmtAPP_uRaw1	Remote Accelerator Pedal 1 raw value in volt	远程油门踏板原始电压值	mv	1	51.60314961	-6553.6
-	RmtAPP_uRaw2	Remote Accelerator Pedal 2 raw value in volt	远程油门踏板原始电压值	mv	2	0.2	-6553.4
-	SpdGov_nSetPHi_0	maximum engine speed set-point coordinated from all active EISGov clients requests	最大允许发动机高怠速转速	rpm	2	0.5	0
-	SpdGov_nSetPHi_1	maximum engine speed set-point requested by HLSDem	最大允许发动机怠速转速	rpm	2	0.5	0
-	SpdGov_nSetPLo_0	minimum engine speed setpoint coordinated from all active EIS-Gov clients	最低允许发动机高怠速转速	rpm	2	0.5	0
-	SpdGov_nSetPLo_1	minimum engine speed setpoint requested by HLSDem	最低允许发动机怠速转速	rpm	2	0.5	0
-	T15_stRaw	Undebounced status of Termi-nal 15 input	T15跳变前的状态	-	1	1	0
-	TrbCh_r	Input set point value for the actuator	涡轮增压器设定值	%	2	0.012207404	0
-	TrbCh_rPs	Output duty cycle for turbochar-ger actuator.	涡轮增压器输出占空比	%	2	0.01	0
-	VehV_a	Actual vehicle acceleration	实际车辆加速度	m/s^2	1	0.256	-32.512
-	VehV_v	Vehicle speed	车速	km/h	1	1.002079511	0

		DFC Description							Class Description						Enviromental Condition	Inhibit Handler
NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
1	DFC_AFSBattErr	Battery voltage error of HFM sensor	空气流量计(HFM)供电电压故障	P0100	0001H	132	11	234	8	YES	Y	ON	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_CoVehPrfmLim12OBDTstd NotTested Fld_AFSFrzAirMs Def50_Deb0 Fld_TAFSSigMonRls Def100_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_AFS Def50_Deb100 Fld_CoVehPrfmLim12OBD Def50_Deb100
2	DFC_AFSDrftAdjPlausMax	DFC for Maximum Difference Plausibility of AFS Drift Adjustment	空气流量计(HFM)漂移修正检测；载荷时的修正值和怠速修正值偏差超出限值	P0101	0002H	1694	15	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	
3	DFC_AFSDrftAdjPlausNPL	DFC for Plausibility of AFS Drift Adjustment	空气流量计(HFM)漂移修正检测；怠速时的修正量超出限值，并且载荷时的修正值低于限值	P0101	0003H	1694	17	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	
4	DFC_AFSDrftIdlAdjVal	Low idle correction factor of the drift compensation function exceed the maximum drift limit	空气流量计(HFM)怠速工况偏移修正量高于上限值	P0101	0004H	1694	16	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_AFSSysErr Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_PCR Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_AFS Def100_Deb100 Fld_AFSDrftMaxLim Def50_Deb100
5	DFC_AFSDrftLdAdjVal	Load correction factor of the drift compensation function exceed the maximum drift limit	空气流量计(HFM)负荷工况偏移修正量高于上限值	P0101	0005H	1694	18	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_AFSSysErr Def50_Deb100 Fld_AFS Def100_Deb100 Fld_AFSDrftMaxLim Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_PCR Def50_Deb100
6	DFC_AFSSetyDrftMax	Sensitivity drift high error for HFM sensor	空气流量计(HFM)偏差值高于上限值	P0101	0006H	1694	0	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_AirCtl Def50_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_ASModTrbn Def50_Deb100 Fld_ASModSwtOffEng Def50_Deb100 Fld_ASModMFlIndVol Def50_Deb100 Fld_AFS Def100_Deb100 Fld_PCR Def50_Deb100
7	DFC_AFSSetyDrftMin	Sensitivity drift error low for HFM sensor	空气流量计(HFM)偏差值低于下限值	P0101	0007H	1694	1	234	7	YES	Y	ON_3DC	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_AirCtl Def50_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_AFS Def100_Deb100 Fld_ASModMFlIndVol Def50_Deb100 Fld_ASModTrbn Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_PCR Def50_Deb100 Fld_ASModSwtOffEng Def50_Deb100
8	DFC_AFSSigErr	Hardware error detection for HFM sensor	空气流量计(HFM)硬件故障	P0103	0008H	132	2	234	8	YES	N	ON	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_AFS Def50_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_AFSFrzAirMs Def50_Deb0 Fld_CoVehPrfmLim12OBD Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_PCR Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_ASModMFlIndVol Def50_Deb100 Fld_CoVehPrfmLim12OBDTstd NotTested
9	DFC_AFSSRCRawMax	SRC high error for raw value in HFM sensor	空气流量计(HFM)周期信号高于上限	P0103	0009H	132	3	234	8	YES	N	ON	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_CoVehPrfmLim12OBDTstd NotTested Fld_AirCtl Def50_Deb100 Fld_CoVehPrfmLim12OBD Def50_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_PCR Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_ASModSwtOffEng Def50_Deb100 Fld_AFSFrzAirMs Def50_Deb0 Fld_ASModMFlIndVol Def50_Deb100 Fld_ASModTrbn Def50_Deb100 Fld_AFS Def50_Deb100
10	DFC_AFSSRCRawMin	SRC low error for raw value in HFM sensor	空气流量计(HFM)周期信号低于下限	P0102	000AH	132	4	234	8	YES	N	ON	OFF	xSet13	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_BattU_u" "SIGNALS_PID10_AFS_dmSens" "SIGNALS_RDLI_AFS_dm" "SIGNALS_PID68h_Air_tSensTAFS" "SIGNALS_RDLI_AFS_stDrft" "SIGNALS_CEngDsT_t"	Fld_ASModTrbn Def50_Deb100 Fld_PCR Def50_Deb100 Fld_AFSSysErr Def50_Deb100 Fld_AFSFrzAirMs Def50_Deb0 Fld_ASModSwtOffEng Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_AFS Def50_Deb100 Fld_CoVehPrfmLim12OBD Def50_Deb100 Fld_CoVehPrfmLim12OBDTstd NotTested Fld_ASModMFlIndVol Def50_Deb100
11	DFC_AirCCmprOL	No load error on power stage for the compressor	空调压缩机线路开路	P0645	000BH	1351	5	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ACCtl_AC Def50_Deb100
12	DFC_AirCCmprOvrTemp	Over temperature error on powerstage for the compressor	电控单元(ECU)内空调压缩机驱动芯片过热	P0645	000CH	1351	6	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ACCtl_AC Def50_Deb100
13	DFC_AirCCmprRedTrqOL	No load error on power stage for the reduce torque instruction	可变排量空调压缩机驱动电路开路	P0645	000DH	2978	5	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
14	DFC_AirCCmprRedTrqOvrTemp	Over temperature error on powerstage for the reduce torque instruction	可变排量空调压缩机驱动芯片过热	P0645	000EH	2978	6	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

Column header notes (top of table):

P-Code: For OBD tester use, read out via OBD Mode3,7 only;
DTCM: For after-market use, read out via KWP2000 or ISO15765;
SPN+FMI: For SAEJ1939 use, read out via CAN DM1 message;
DTCB: Blink Code, for driver use lamp blink out;

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
15	DFC_AirCCmprRedTrqSCB	Short circuit to battery error on power stage for the reduce torque instruction	可变排量空调压缩机驱动电路对电源短路	P0647	000FH	2978	3	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
16	DFC_AirCCmprRedTrqSCG	Short circuit to ground error on power stage for the reduce torque instruction	可变排量空调压缩机驱动电路对地短路	P0646	0010H	2978	4	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
17	DFC_AirCCmprSCB	Short circuit to battery error on power stage for the compressor	空调压缩机驱动电路对电源短路	P0647	0011H	1351	3	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ACCtl_AC Def50_Deb100
18	DFC_AirCCmprSCG	Short circuit to ground error on power stage for the compressor	空调压缩机驱动电路对地短路	P0646	0012H	1351	4	313	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ACCtl_AC Def50_Deb100
19	DFC_AirCSwtNpl	Air Compressor switch Plausibility error for CAN input	空调开关CAN信号不可信	U0424	0013H	985	14	314	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_AirCSwt Def50_Deb100
20	DFC_AirCSwtSig	Air Compressor switch Signal error for CAN input	空调开关CAN信号接收超时（在规定的时间内未接收到空调开关CAN消息）	U0466	0014H	985	19	314	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_AirCSwt Def50_Deb100
21	DFC_AirCtlGovDvtEOMMax	Positive governor deviation above limit for regeneration	再生模式下空气设定量与实际新鲜进气量的差值高于上限值（新鲜进气量过小）	P0101	0015H	1241	15	281	7	YES	Y	ON_3DC	OFF	xSet15	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_RDLI_AFS_dm" "SIGNALS_AirCtl_mGovDvt" "SIGNALS_RDLI_AirCtl_mDesVal" "SIGNALS_RDLI_AirCtl_stMon" "SIGNALS_RDLI_AirCtl_rGovEGR" "SIGNALS_RDLI_AirCtl_rGovTVA"	Fld_AirCtlGovDvt Def50_Deb100
22	DFC_AirCtlGovDvtEOMMin	negativegovernor deviation below limit for regeneration	再生模式下空气设定量与实际新鲜进气量的差值低于下限值（新鲜进气量过大）	P0101	0016H	1241	17	281	7	YES	Y	ON_3DC	OFF	xSet15	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_RDLI_AFS_dm" "SIGNALS_AirCtl_mGovDvt" "SIGNALS_RDLI_AirCtl_mDesVal" "SIGNALS_RDLI_AirCtl_stMon" "SIGNALS_RDLI_AirCtl_rGovEGR" "SIGNALS_RDLI_AirCtl_rGovTVA"	Fld_AirCtlGovDvt Def50_Deb100
23	DFC_AirCtlGovDvtMax	Air control system governor deviation above limit	空气设定量与实际新鲜进气量的差值高于上限值（新鲜进气量过小）	P0402	0017H	1241	0	281	7	YES	N	ON_3DC	OFF	xSet15	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_RDLI_AFS_dm" "SIGNALS_AirCtl_mGovDvt" "SIGNALS_RDLI_AirCtl_mDesVal" "SIGNALS_RDLI_AirCtl_stMon" "SIGNALS_RDLI_AirCtl_rGovEGR" "SIGNALS_RDLI_AirCtl_rGovTVA"	Fld_AirCtl Def50_Deb100 Fld_ASModEGR Def50_Deb100 Fld_PCR Def50_Deb100 Fld_AirCtlGovDvt Def50_Deb100 Fld_AFSPISetyDrft Def50_Deb100
24	DFC_AirCtlGovDvtMin	Air control system governor deviation below limit	空气设定量与实际新鲜进气量的差值低于下限值（新鲜进气量过大）	P0401	0018H	1241	1	281	7	YES	N	ON_3DC	OFF	xSet15	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_RDLI_AFS_dm" "SIGNALS_AirCtl_mGovDvt" "SIGNALS_RDLI_AirCtl_mDesVal" "SIGNALS_RDLI_AirCtl_stMon" "SIGNALS_RDLI_AirCtl_rGovEGR" "SIGNALS_RDLI_AirCtl_rGovTVA"	Fld_AirCtlGovDvt Def50_Deb100 Fld_PCR Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_AFSPISetyDrft Def50_Deb100 Fld_ASModEGR Def50_Deb100
25	DFC_AirCtlRmpTOut	Error path for too longtime spent in transtion mode Rgn to Nrm for Air control	废气再循环（EGR）控制从再生状态切换到普通状态的时间过长	P0100	0019H	1241	11	281	7	YES	Y	ON_3DC	OFF	xSet15	"SIGNALS_Epm_nEng" "SIGNALS_InjCtl_qSetUnBal" "SIGNALS_RDLI_AFS_dm" "SIGNALS_AirCtl_mGovDvt" "SIGNALS_RDLI_AirCtl_mDesVal" "SIGNALS_RDLI_AirCtl_stMon" "SIGNALS_RDLI_AirCtl_rGovEGR" "SIGNALS_RDLI_AirCtl_rGovTVA"	
26	DFC_AirHt_TstOffHi	DFC for SRC High error in air heater During Off	进气加热格栅在关闭期间电池电压信号超过限值	P2609	001AH	2898	16	323	3	YES	N	OFF	ON_3DC	xSet1	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_IAirHt_st0" "SIGNALS_RDLI_IAirHt_stPs0" "SIGNALS_EnvT_t" "SIGNALS_PID68h_Air_tSensTIntkVUs"	
27	DFC_AirHt_TstOffLo	DFC for SRC Low error in air heater During Off	进气加热格栅在关闭期间电池电压信号低于限值	P2609	001BH	2898	18	323	3	YES	N	OFF	ON_3DC	xSet1	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_IAirHt_st0" "SIGNALS_RDLI_IAirHt_stPs0" "SIGNALS_EnvT_t" "SIGNALS_PID68h_Air_tSensTIntkVUs"	
28	DFC_AirHt_TstOnHi	DFC for SRC High error in air heater During On	进气加热格栅在开启期间电池电压信号超过限值	P2609	001CH	2898	15	323	3	YES	N	OFF	ON_3DC	xSet1	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_IAirHt_st0" "SIGNALS_RDLI_IAirHt_stPs0" "SIGNALS_EnvT_t" "SIGNALS_PID68h_Air_tSensTIntkVUs"	
29	DFC_AirHt_TstOnLo	DFC for SRC Low error in air heater During On	进气加热格栅在开启期间电池电压信号低于限值	P2609	001DH	2898	17	323	3	YES	N	OFF	ON_3DC	xSet1	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_IAirHt_st0" "SIGNALS_RDLI_IAirHt_stPs0" "SIGNALS_EnvT_t" "SIGNALS_PID68h_Air_tSensTIntkVUs"	
30	DFC_AirHtStickOn	DFC for Grid Heater always switched on	进气加热格栅加热开关常吸合	P2609	001EH	2898	7	322	3	YES	N	OFF	ON_3DC	xSet1	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_IAirHt_st0" "SIGNALS_RDLI_IAirHt_stPs0" "SIGNALS_EnvT_t" "SIGNALS_PID68h_Air_tSensTIntkVUs"	
31	DFC_AirTMonPlaus_0	Error of the first fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障(组合0)	P1000	001FH	520195	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
32	DFC_AirTMonPlaus_1	Error of the first fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障(组合1)	P1001	0020H	520254	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
33	DFC_AirTMonPlaus_2	Error of the first fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障(组合2)	P1002	0021H	520255	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
34	DFC_AirTMonPlaus_3	Error of the first fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障(组合3)	P1003	0022H	520256	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
35	DFC_AirTMonPlaus_4	Error of the first fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障(组合4)	P1004	0023H	520257	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
36	DFC_AirTMonPlausTot	Event of an error in case of more than one fresh air temperature sensor at cold start	系统冷启动时温度传感器可信性故障	P1005	0024H	520258	2	481	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
37	DFC_ARlySCB_0	DFC for Short circuit to battery of acuator relay with index x=0	电控单元(ECU)内部主继电器0短路到电源	P0659	0025H	3597	3	114	8	YES	N	ON	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
38	DFC_ARlySCB_1	DFC for Short circuit to battery of acuator relay with index x=1	电控单元(ECU)内部主继电器1短路到电源	P2671	0026H	3598	3	115	8	YES	N	ON	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
39	DFC_ARlySCG_0	DFC for Short circuit to ground of acuator relay with index x=0	电控单元(ECU)内部主继电器0短路到地	P0658	0028H	3597	4	114	8	YES	N	ON	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
40	DFC_ARlySCG_1	DFC for Short circuit to ground of acuator relay with index x=1	电控单元(ECU)内部主继电器1短路到地	P2670	0029H	3598	4	115	8	YES	N	ON	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
41	DFC_BattUHi	Signal Range Check High error for battery votage sensor	蓄电池电压过高	P0563	002BH	167	3	124	1	YES	N	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
42	DFC_BattULo	Signal Range Check Low error for battery votage sensor	蓄电池电压过低	P0562	002CH	167	4	124	1	YES	N	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
43	DFC_BattUSRCMax	SRC high for battery voltage sensor	电控单元(ECU)内部蓄电池电压信号过高	P0563	002DH	168	3	124	1	YES	N	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_StrtVDModel Def50_Deb100 Fld_ComBattU Def50_Deb100 Fld_BattURepLVal Def100_Deb100 Fld_PCR Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_BattUFrzVal Def100_Deb0
44	DFC_BattUSRCMin	SRC low for battery voltage sensor	电控单元(ECU)内部蓄电池电压信号过低	P0562	002EH	168	4	124	1	YES	N	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ComBattU Def50_Deb100 Fld_AirCtl Def50_Deb100 Fld_BattURepLVal Def100_Deb100 Fld_PCR Def50_Deb100 Fld_StrtVDModel Def50_Deb100 Fld_BattUFrzVal Def100_Deb0
45	DFC_BrkCrCtlLmp	DFC for non plausibility of break status	刹车信号不合理导致的巡航功能故障	P0504	02D0H	597	11	223	3	YES	Y	OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	
46	DFC_BrkCrCtlRls	Cruise control release failure	无有效刹车信号导致的巡航功能故障	P0504	02D1H	597	7	223	3	YES	Y	OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	
47	DFC_BrkNpl	Plausibility check for Brake	刹车信号不可信，主刹信号和副刹信号不同时变化	P0504	002FH	597	2	223	3	YES	N	OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	Fld_RailHpTst Def50_Deb100 Fld_APPBrkDef Def50_Deb100 Fld_InjCrvShOffTst Def50_Deb100 Fld_CUT Def50_Deb100 Fld_RailSetPointTst Def50_Deb100 Fld_ComBrk Def50_Deb100 Fld_MeUnSetPTst Def50_Deb100 Fld_IVPlausRunUpTst Def50_Deb100 Fld_HLSDemUndrBrk Def50_Deb100 Fld_DSDSetP Def50_Deb100
48	DFC_BrkNplSngSwt	DFC for non plausibility of break status(in single brake system)	刹车(单)信号合理性故障	P0504	02D2H	597	14	223	3	YES	N	OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	Fld_APPBrkDef Def50_Deb100 Fld_CUT Def50_Deb100 Fld_BrkNpl Def50_Deb100
49	DFC_BrkSig	Sig Error for Brake	刹车信号故障（CAN信号接收超时）	P0571	0030H	597	19	223	1	YES	Y	OFF	OFF	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	Fld_RailHpTst Def50_Deb100 Fld_MeUnSetPTst Def50_Deb100 Fld_CUT Def50_Deb100 Fld_RailSetPointTst Def50_Deb100 Fld_IVPlausRunUpTst Def50_Deb100 Fld_HLSDemUndrBrk Def50_Deb100 Fld_ComBrk Def50_Deb100 Fld_DSDSetP Def50_Deb100 Fld_InjCrvShOffTst Def50_Deb100 Fld_APPBrkDef Def50_Deb100
50	DFC_BusDiagBusOffErrPasNodeA	error passive CAN A	CAN A被动故障	U0073	0031H	522000	14	411	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_MoFlnTSC1VR Def25_Deb0
51	DFC_BusDiagBusOffErrPasNodeB	error passive CAN B	CAN B被动故障	U0073	0032H	522001	14	412	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
52	DFC_BusDiagBusOffErrPasNodeC	error passive CAN C	CAN C被动故障	U0073	0033H	522002	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
53	DFC_BusDiagBusOffErrPasNodeD	error passive CAN D	CAN D被动故障	U0073	0034H	522003	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
54	DFC_BusDiagBusOffNodeA	BusOff error CAN A	CAN A通讯中断	U0073	0035H	522000	12	411	8	YES	Y		ON	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_BusDiagBusOffRxNodeA Def50_Deb100 Fld_BusDiagBusOffTxNodeA Def50_Deb100 Fld_MoFInTSC1VR Def25_Deb0
55	DFC_BusDiagBusOffNodeB	BusOff error CAN B	CAN B通讯中断	U0073	0036H	522001	12	412	1	YES	Y		OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_BusDiagBusOffRxNodeB Def50_Deb100 Fld_BusDiagBusOffTxNodeB Def50_Deb100
56	DFC_BusDiagBusOffNodeC	BusOff error CAN C	CAN C通讯中断	U0073	0037H	522002	12	413	1	YES	Y		OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
57	DFC_BusDiagBusOffNodeD	BusOff error CAN D	CAN D通讯中断	U0073	0038H	522003	12	413	1	YES	Y		OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
58	DFC_CEngDsTAbsTst	defect fault check for coolant temperature Absolute plausibility test	水温传感器绝对值合理性检测故障(水温在一定时间内未达到门槛值)	P0116	0039H	110	17	242	7	YES	N		ON_3DC	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_CEngDsTModel Def50_Deb100 Fld_CEngDsTFrzVal Def100_Deb0 Fld_CEngDsTRplVal Def100_Deb100
59	DFC_CEngDsTDynTst	defect fault check for Coolant temperature dynamic plausibility test	水温传感器动态值合理性检测故障(水温在一定时间内上升值未达到门槛值)	P0116	003AH	110	18	242	7	YES	N		ON_3DC	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	Fld_CEngDsTFrzVal Def100_Deb0 Fld_CEngDsTRplVal Def100_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_CEngDsTModel Def50_Deb100
60	DFC_CEngDsTSig	CAN signal error of Engine coolant temperature(down stream)	水温CAN帧接收超时	U0116	003BH	110	19	241	1	YES	Y		OFF	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_CoETM Def50_Deb100 Fld_CEngDsTCANFrzVal Def100_Deb0 Fld_CEngDsTCANRplVal Def100_Deb100 Fld_HLSDemStrtCEngDsT Def50_Deb100 Fld_EngBrkTstErr Def50_Deb100 Fld_FansEngTemp Def50_Deb100
61	DFC_CEngDsTSRCMax	SRC High for Engine coolant temperature(down stream)	水温传感器电压高于上限值	P0118	003CH	110	3	241	8	YES	N		ON	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	Fld_RailSetPointTst Def50_Deb100 Fld_RailPOfsTst Def50_Deb100 Fld_FBCMon Def50_Deb100 Fld_FansEngTemp Def50_Deb100 Fld_CEngDsTDynAbsTst Def50_Deb100 Fld_CEngDsTFrzVal Def100_Deb0 Fld_CEngDsTRplVal Def100_Deb100 Fld_CEngDsTVDPlaus Def50_Deb100 Fld_CoETM Def50_Deb100 Fld_FansEngTemp Def50_Deb100 Fld_EngBrkTstErr Def50_Deb100 Fld_RailPOfsTstErrTstd NotTested Fld_FrmCEngDsT Def50_Deb100 Fld_FuelTCTS Def100_Deb100 Fld_HLSDemStrtCEngDsT Def50_Deb100 Fld_IVPlausRunUpTst Def50_Deb100 Fld_MeUnSetPTst Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_RailHpTst Def50_Deb100 Fld_ComFrc Def50_Deb100
62	DFC_CEngDsTSRCMin	SRC low for Engine coolant temperature(down stream)	水温传感器电压低于下限值	P0117	003DH	110	4	241	8	YES	N		ON	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	Fld_FBCMon Def50_Deb100 Fld_RailSetPointTst Def50_Deb100 Fld_RailPOfsTstErrTstd NotTested Fld_RailPOfsTst Def50_Deb100 Fld_RailHpTst Def50_Deb100 Fld_MeUnSetPTst Def50_Deb100 Fld_HLSDemStrtCEngDsT Def50_Deb100 Fld_FansEngTemp Def50_Deb100 Fld_FrmCEngDsT Def50_Deb100 Fld_EngDemTrqLimErr1 Def50_Deb100 Fld_EngBrkTstErr Def50_Deb100 Fld_ComFrc Def50_Deb100 Fld_CoETM Def50_Deb100 Fld_CEngDsTVDPlaus Def50_Deb100 Fld_CEngDsTRplVal Def100_Deb100 Fld_CEngDsTFrzVal Def100_Deb0 Fld_CEngDsTDynAbsTst Def50_Deb100 Fld_FuelTCTS Def100_Deb100 Fld_IVPlausRunUpTst Def50_Deb100 Fld_FansEngTemp Def50_Deb100
63	DFC_CEngDsTVDPlaus	Engine coolant temperature plausibility check	水温传感器可信性故障	P0116	003EH	110	2	242	1	YES	Y		OFF	OFF	xSet9	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_EBrk_stSwtDeb" "SIGNALS_RDLI_EngBrk_stECRCtl" "SIGNALS_RDLI_ExhFlpLP_rPs" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_CEngDsT_tSens" "SIGNALS_RDLI_CEngDsT_uRaw"	
64	DFC_ClthNpl	Plausibility check for Clutch	离合器信号不可信	P0704	003FH	598	2	222	3	YES	N		OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	Fld_MeUnSetPTst Def50_Deb100 Fld_InjCrvShOffTst Def50_Deb100 Fld_WESDemBrkClth Def50_Deb100 Fld_RailHpTst Def50_Deb100 Fld_CUT Def50_Deb100 Fld_Clth Def50_Deb100 Fld_ClthCAN Def50_Deb100 Fld_ComClth Def50_Deb100 Fld_DSDSetP Def50_Deb100 Fld_HLSDemUndrBrk Def50_Deb100 Fld_IVPlausRunUpTst Def50_Deb100 Fld_RailSetPointTst Def50_Deb100

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
65	DFC_ClthSig	CAN Signal Error for Clutch	离合器信号故障(CAN信号出错)	U1400	0040H	598	19	222	3	YES	Y	OFF	ON_3DC	xSet2	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Brk_st" "SIGNALS_RDLI_Brk_stMn" "SIGNALS_RDLI_Brk_stRed" "SIGNALS_RDLI_APP_rFlt_mp" "SIGNALS_RDLI_APP_uRaw1" "SIGNALS_RDLI_APP_uRaw2" "SIGNALS_RDLI_Clth_stRaw" "SIGNALS_RDLI_APP_stPlaBrk_mp"	Fld_IVPlausRunUpTst Def50_Deb100 Fld_WESDemBrkClth Def50_Deb100 Fld_RailHpTst Def50_Deb100 Fld_MeUnSetPTst Def50_Deb100 Fld_InjCrvShOffTst Def50_Deb100 Fld_DSDSetP Def50_Deb100 Fld_ComClth Def50_Deb100 Fld_RailSetPointTst Def50_Deb100 Fld_ClthCAN Def50_Deb100 Fld_CUT Def50_Deb100 Fld_HLSDemUndrBrk Def50_Deb100
66	DFC_CoETSBstPrtTrqLim	Torque limitation caused by turbo charger protection	增压器保护调用了扭矩限制	P1038	0041H	520269	14	521	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
67	DFC_CoETSEngPrtTrqLim	Torque limitation caused by engine protection	发动机保护调用了扭矩限制	P1039	0042H	520270	14	522	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
68	DFC_CoETSInjSysTrqLim	Torque limitation caused by injection system	喷射系统调用了扭矩限制	P1040	0043H	520271	14	523	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
69	DFC_CoETSLimInfo	Working limitation information	发动机扭矩限制被调用	P1006	0044H	520197	11	524	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
70	DFC_CoETSNTCTrqLim	Torque limitation caused by engine brake	发动机制动调用了扭矩限制	P1041	0045H	520272	14	534	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
71	DFC_CoETSPDiffTrqLim	Torque limitation caused by particulate filter	颗粒捕集器调用了扭矩限制	P1042	0046H	520273	14	533	0	NO	Y	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
72	DFC_CoETSPrfmLimTrqLim	Torque limitation caused by performance limiter	性能限制功能调用了扭矩限制	P1043	0047H	520274	14	532	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
73	DFC_CoETSSmkTrqLim	Torque limitation caused by smoke limitation	烟度限制功能调用了扭矩限制	P1044	0048H	520275	14	531	0	NO	N	OFF	OFF	xSet3	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_RailP_pLin" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_Epm_stSync" "SIGNALS_CEngDsT_t" "SIGNALS_BattU_u" "SIGNALS_InjUn_stStrt"	
74	DFC_ComACKTO	Timeout Error of CAN-send-Frame ACK	ACK CAN应答信号发送超时（即信号丢失）	U0100	0049H	522004	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
75	DFC_ComAmbConTO	Timeout Error of CAN-Transmit-Frame AmbCon	外部环境(AmbCon) CAN信号帧传输超时（即信号丢失）	U0100	004AH	522005	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
76	DFC_ComAT1IG1DLC	DLC Error of CAN-Receive-Frame AT1IG1	上游氮氧传感器CAN信号帧长度出错	U0113	004BH	522006	14	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
77	DFC_ComAT1IG1TO	Timeout Error of CAN-Receive-Frame AT1IG1	上游氮氧传感器 CAN信号接收超时（即信号丢失）	U0113	004CH	522006	19	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
78	DFC_ComAT1IGC1TO	DFC for AT1IGC1Rx Frame Timeout Error	上游氮氧传感器CAN信号修正帧1 接收超时（即信号丢失）	U0113	004DH	522007	19	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
79	DFC_ComAT1IGC2TO	DFC for AT1IGC2Rx Frame Timeout error	上游氮氧传感器CAN信号修正帧2接收超时（即信号丢失）	U0113	004EH	522008	19	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
80	DFC_ComAT1OG1DLC	DLC Error of CAN-Receive-Frame AT1OG1	下游氮氧传感器CAN信号帧长度出错	U0113	004FH	522009	14	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
81	DFC_ComAT1OG1TO	Timeout Error of CAN-Receive-Frame AT1OG1	下游氮氧传感器 CAN信号接收超时（即信号丢失）	U0113	0050H	522009	19	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
82	DFC_ComAT1OGC1TO	DFC for AT1OGC1Rx Frame Timeout Error	下游氮氧传感器CAN信号修正帧1 接收超时（即信号丢失）	U0113	0051H	522010	19	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
83	DFC_ComAT1OGC2TO	DFC for AT1OGC2Rx Frame Timeout error	下游氮氧传感器CAN信号修正帧2接收超时（即信号丢失）	U0113	0052H	522011	19	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
84	DFC_ComDM19DsAck	Acknowledgement message error for DM19Ds CAN message on exceeding the maximum limit of Ack message reception	DM19Ds CAN应答信号接收超时（即信号丢失）	U0113	0053H	522059	14	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
85	DFC_ComDM19DsBAM2PKTTO	BAM to Packet Timeout for DM19Ds CAN message	DM19Ds CAN信号接收超时（即信号丢失）	U0113	02D3H	522059	19	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
86	DFC_ComDM19DsBAMTO	BAM Timeout for DM19Ds CAN message	DM19Ds CAN信号接收超时（即信号丢失）	U0113	02D4H	522059	11	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
87	DFC_ComDM19DsPKT2PKTTO	Packet to Packet Timeout for DM19Ds CAN message	DM19Ds CAN信息超时故障	U0113	02D5H	522059	31	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
88	DFC_ComDM19UsAck	Acknowledgement message error for DM19Us CAN message on exceeding the maximum limit of Ack message reception	DM19Us CAN应答信号接收超时（即信号丢失）	U0113	0056H	522060	14	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
89	DFC_ComDM19UsBAM2PKTTO	BAM to Packet Timeout for DM19Us CAN message	DM19Us CAN信号接收超时（即信号丢失）	U0113	02D6H	522060	19	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
90	DFC_ComDM19UsBAMTO	BAM Timeout for DM19Us CAN message	DM19Us CAN信号接收超时（即信号丢失）	U0113	02D7H	522060	11	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
91	DFC_ComDM19UsPKT2PKTTO	Packet to Packet Timeout for DM19Us CAN message	DM19Us CAN信息超时故障	U0113	02D8H	522060	31	423	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
92	DFC_ComDM1DCUBAM2PCKTO	Timeout for BAM to Packet	尿素喷射控制器(DCU) CAN信号接收超时（即信号丢失）	U0113	0059H	522012	11	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
93	DFC_ComDM1DCUPCK2PCKTO	Timeout for Packet to packet	尿素喷射控制器(DCU) CAN信号接收超时（即信号丢失）	U0113	005AH	522012	31	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
94	DFC_ComDM1DCUSPN1	Error path SPN1 matching of DM1DCU message	OBD相关故障 用于尿素喷射控制单元(DCU)激活扭矩限制	P1400	005BH	522012	0	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
95	DFC_ComDM1DCUSPN2	Error path SPN2 matching of DM1DCU message	OBD相关故障 用于尿素喷射控制单元(DCU)激活扭矩限制	P1401	005CH	522012	1	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
96	DFC_ComDM1DCUSPN3	Error path SPN3 matching of DM1DCU message	OBD相关故障 用于尿素喷射控制单元(DCU)激活扭矩限制	P1402	005DH	522012	2	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
97	DFC_ComDM1DCUSPN4	Error path SPN4 matching of DM1DCU message	OBD相关故障 用于尿素喷射控制单元(DCU)激活扭矩限制	P1403	005EH	522012	3	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
98	DFC_ComDM1DCUSPN5	Error path SPN5 matching of DM1DCU message	OBD相关故障 用于尿素喷射控制单元(DCU)激活扭矩限制	P1404	005FH	522012	4	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
99	DFC_ComDM1DCUTO	Timeout for DM1DCU CAN message	DM1DCU CAN信号接收超时（即信号丢失）	P1405	0060H	522012	19	424	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
100	DFC_ComEBC1DLC	DFC for DLC Error of CAN-Receive-Frame EBC1	EBC1 CAN接收帧信号长度出错	U0129	02D9H	522013	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
101	DFC_ComEBC1TO	Timeout Error of CAN-Receive-Frame EBC1	EBC1 CAN信号接收超时（即信号丢失）	U0129	0062H	522013	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
102	DFC_ComEEC1TO	Timeout Error of CAN-Transmit-Frame EEC1	EEC1 CAN信号传输超时（即信号丢失）	U0100	0063H	522014	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
103	DFC_ComEEC2TO	Timeout Error of CAN-Transmit-Frame EEC2	EEC2 CAN信号传输超时（即信号丢失）	U0100	0064H	522015	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
104	DFC_ComEEC3TO	Timeout Error of CAN-Transmit-Frame EEC3	电控单元(ECU)与氮氧传感器之间的 CAN通讯中断	U0100	0065H	522016	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
105	DFC_ComEFL_P1TO	Timeout Error of CAN-Transmit-Frame EFL_P1	EFL_P1 CAN信号接收超时（即信号丢失）	U0100	0066H	522017	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
106	DFC_ComEngShOffEBC1	External shut off request by Electronic Brake Controller 1 message (not a failure but an external shut off request)	EBC(电子制动控制器)要求关闭发动机(非具体故障，只是外部请求指示)	U1100	0067H	522018	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
107	DFC_ComEngTempTO	Timeout Error of CAN-Transmit-Frame EngTemp	EngTemp CAN信号传输超时（即信号丢失）	U0100	0068H	522020	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
108	DFC_ComERC1TO	Timeout Error of CAN-Transmit-Frame ERC1	ERC1 CAN信号传输超时（即信号丢失）	U0100	0069H	522021	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
109	DFC_ComETC1DLC	DFC for DLC Error of CAN-Receive-Frame ETC1	ETC1 CAN接收帧信号长度出错	U0103	02DAH	522022	14	425	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
110	DFC_ComETC1TO	Timeout Error of CAN-Receive-Frame ETC1	ETC1 CAN信号接收超时（即信号丢失）	U0103	006AH	522022	19	425	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
111	DFC_ComETC2DLC	DFC for DLC Error of CAN-Receive-Frame ETC2	ETC2 CAN接收帧信号长度出错	U0291	02DBH	522023	14	425	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
112	DFC_ComETC2TO	Timeout Error of CAN-Receive-Frame ETC2	ETC2 CAN信号接收超时（即信号丢失）	U0291	006BH	522023	19	425	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
113	DFC_ComFIEcoTO	Timeout Error of CAN-Transmit-Frame FIEco		U0100	006CH	522024	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
114	DFC_ComIC1TO	Timeout Error of CAN-Transmit-Frame INCON	INCON CAN信号传输超时（即信号丢失）	U0100	006DH	522025	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
115	DFC_ComLFCTO	Timeout Error of CAN-Transmit-Frame FIC	FIC CAN信号传输超时（即信号丢失）	U0100	02DCH	522026	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
116	DFC_ComNOxCorGnCat2DsSAE	SAE J1939 error of Aftertreatment 1 Outlet Gas NOx Sensor New part deviation NOx Gain	NOxCorGnCat2Ds CAN信息内容超出SAE规定合理范围	U0113	006EH	522027	19	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
117	DFC_ComNOxCorGnDsSAE	DFC SAE J1939 error of Aftertreatment 1 Inlet Gas NOx Sensor New part deviation NOx Gain	NOxCorGnDs CAN信息内容超出SAE规定合理范围	U0113	006FH	522028	19	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
118	DFC_ComNOxCorOfsCat2DsSAE	SAE J1939 error of Aftertreatment 1 Outlet Gas NOx Sensor New Part deviation NOx Offset message.	NOxCorOfsCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0070H	522027	14	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
119	DFC_ComNOxCorOfsDsSAE	DFC SAE J1939 error of Aftertreatment 1 Inlet Gas NOx Sensor New Part deviation NOx Offset message.	NOxCorOfsDs CAN信息内容超出SAE规定合理范围	U0113	0071H	522028	14	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
120	DFC_ComNOxCorPresLamCat2DsSAE	SAE J1939 error for Outlet Gas Nox sensor Correction of Lambda pressure message	NOxCorPresLamCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0072H	522027	15	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
121	DFC_ComNOxCorPresLamDsSAE	SAE J1939 error for Inlet Gas Nox sensor Correction of Lambda pressure message	NOxCorPresLamDs CAN信息内容超出SAE规定合理范围	U0113	0073H	522028	15	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
122	DFC_ComNOxCorPresNOxCat2DsSAE	SAE J1939 error for Outlet Gas Nox sensor Correction of NOx pressure message	NOxCorPresNOxCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0074H	522027	16	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
123	DFC_ComNOxCorPresNOxDsSAE	SAE J1939 error for Inlet Gas Nox sensor Correction of NOx pressure message	NOxCorPresNOxDs CAN信息内容超出SAE规定合理范围	U0113	0075H	522028	16	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
124	DFC_ComNOxHtrRatCat2DsSAE	SAE J1939 error for Aftertreatment 1 outlet Nox sensor Heater Ratio message	NOxHtrRatCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0076H	522027	17	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
125	DFC_ComNOxHtrRatDsSAE	SAE J1939 error for Aftertreatment 1 Inlet Nox sensor Heater Ratio message	NOxHtrRatDs CAN信息内容超出SAE规定合理范围	U0113	0077H	522028	17	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
126	DFC_ComNOxNH3CorCat2DsSAE	SAE J1939 error for Outlet Gas Nox sensor Correction of NH3 message	NOxNH3CorCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0078H	522027	18	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
127	DFC_ComNOxNH3CorDsSAE	SAE J1939 error for Inlet Gas Nox sensor Correction of NH3 message	NOxNH3CorDs CAN信息内容超出SAE规定合理范围	U0113	0079H	522028	18	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
128	DFC_ComNOxNO2CorCat2DsSAE	SAE J1939 error for Outlet Gas Nox sensor Correction of NO2 message	NOxNO2CorCat2Ds CAN信息内容超出SAE规定合理范围	U0113	007AH	522027	0	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
129	DFC_ComNOxNO2CorDsSAE	SAE J1939 error for Inlet Gas Nox sensor Correction of NO2 message	NOxNO2CorDs CAN信息内容超出SAE规定合理范围	U0113	007BH	522028	0	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
130	DFC_ComNOxNoCat2DsSAE	SAE J1939 error for Nox Concentration quantity message	NOxNoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	007CH	522027	1	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
131	DFC_ComNOxNoMCatDsSAE	SAE J1939 error for Nox Concentration Upstream message	NOxNoMCatDs CAN信息内容超出SAE规定合理范围	U0113	007DH	522028	1	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
132	DFC_ComNOxSenDsRxBAMTO	DFC for Time out error for DM19 Downstream BAM message	NOxSenDsRxBAM CAN信号接收超时（即信号丢失）	U0113	007EH	522027	2	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
133	DFC_ComNOxSenUsRxBAMTO	DFC for Time out error for DM19 Upstream BAM message	NOxSenUsRxBAM CAN信号接收超时（即信号丢失）	U0113	007FH	522028	2	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
134	DFC_ComO2NoCat2DsSAE	SAE J1939 error for the Actual Oxidation factor Downstream message	O2NoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0080H	522027	3	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
135	DFC_ComO2NoMCatDsSAE	SAE J1939 error for Actual Oxidation factor message	O2NoMCatDs CAN信息内容超出SAE规定合理范围	U0113	0081H	522028	3	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
136	DFC_ComRCBAMTO	Timeout Error of Engine Retarder Configuration BAM message	BAM CAN信号接收超时（即信号丢失）	U0100	02DDH	522029	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
137	DFC_ComRCPACTO	Timeout Error of Engine Retarder Configuration packet frame	CAN CAN信号接收超时（即信号丢失）	U0100	02DEH	522029	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
138	DFC_ComRxCCVSDLC	DFC for DLC Error of CAN-Receive-Frame RxCCVS	RxCCVS CAN接收帧信号长度出错	U0100	02DFH	522030	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
139	DFC_ComRxCCVSTO	Timeout Error of CAN-Receive-Frame RxCCVS	RxCCVS CAN信号接收超时（即信号丢失）	U0104	0082H	522030	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
140	DFC_ComSensNOxNoMCatDsSAE	DFC SAE J1939 error for Sensor Status Byte message(NOx signal)	SensNOxNoMCatDs CAN信息内容超出SAE规定合理范围	U0113	0083H	522028	4	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
141	DFC_ComSensNOxStabNoCat2DsSAE	SAE J1939 for Sensor Status Byte Downstream sensor(NOx signal)	SensNOxStabNoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0084H	522027	4	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
142	DFC_ComSensO2NoMCatDsSAE	DFC SAE J1939 error Sensor Status Byte message(O2 signal)	SensO2NoMCatDs CAN信息内容超出SAE规定合理范围	U0113	0085H	522028	5	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
143	DFC_ComSensO2StabNoCat2DsSAE	SAE J1939 error for Sensor Status Byte Downstream (O2 signal)	SensO2StabNoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0086H	522027	5	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
144	DFC_ComSensPwrNoMCatDsSAE	SAE J1939 error for Sensor Status Byte message(power signal)	SensPwrNoMCatDs CAN信息内容超出SAE规定合理范围	U0113	0087H	522028	6	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
145	DFC_ComSensPwrRngNoCat2DsSAE	SAE J1939 error for Sensor Status Byte Downstream message(power signal)	SensPwrRngNoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0088H	522027	6	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
146	DFC_ComSensTempNoCat2DsSAE	SAE J1939 Sensor for Status Byte Downstream message(temperature signal)	SensTempNoCat2Ds CAN信息内容超出SAE规定合理范围	U0113	0089H	522027	7	421	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
147	DFC_ComSensTempNoMCatDsSAE	DFC SAE J1939 error for Sensor Status Byte message(temperature signal)	SensTempNoMCatDs CAN信息内容超出SAE规定合理范围	U0113	008AH	522028	7	422	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
148	DFC_ComShutDwnTO	Timeout Error of CAN-Transmit-Frame ShutDwn	ShutDwn CAN信号传输超时（即信号丢失）	U0100	008BH	522031	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
149	DFC_ComTCO1DLC	DFC for DLC Error of CAN-Receive-Frame TCO1	TCO1 CAN接收信号长度出错	U0100	02E0H	522032	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
150	DFC_ComTCO1TO	Timeout Error of CAN-Receive-Frame TCO1	TCO1 CAN信号接收超时（即信号丢失）	U0100	008CH	522032	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
151	DFC_ComTI1TO	Timeout Error of CAN-Receive-Frame TI1	电控单元(ECU)与CAN仪表之间的通讯断开	U1103	008DH	522033	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
152	DFC_ComTimeDateDLC	DFC for DLC Error of CAN-Receive-Frame TimeDate	TimeDate CAN接收信号长度出错	U0101	02E1H	522034	14	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ComTimeDateDLC Def50_Deb100
153	DFC_ComTimeDateTO	Timeout Error of CAN-Receive-Frame TimeDate	TimeDate CAN信号接收超时（即信号丢失）	U1101	008EH	522034	19	413	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_ComTimeDate Def50_Deb100
154	DFC_ComTOTSC1AEAct	Active DFC TimeOut of TSC1AE Message	TSC1AE信息帧主动丢失故障	U0121	008FH	522035	8	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
155	DFC_ComTOTSC1AEPas	Passive DFC TimeOut of TSC1AE Message	TSC1AE信息帧被动丢失故障	U0121	0090H	522035	10	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
156	DFC_ComTOTSC1ARAct	DFC(Diagnostic Fault Check) for Active timeout of TSC1AR	TSC1AR CAN信号主动接收超时（即信号丢失）	U0121	0091H	522036	8	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
157	DFC_ComTOTSC1ARPas	DFC(Diagnostic Fault Check) for Passive timeout of TSC1AR	TSC1AR CAN信号被动接收超时（即信号丢失）	U0121	0092H	522036	10	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
158	DFC_ComTOTSC1DEAct	Active DFC TimeOut of TSC1DE Message	TSC1DE信息帧主动丢失故障	U0121	0093H	522037	8	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
159	DFC_ComTOTSC1DEPas	Passive DFC TimeOut of TSC1DE Message	TSC1DE信息帧被动丢失故障	U0121	0094H	522037	10	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
160	DFC_ComTOTSC1DRAct	DFC(Diagnostic Fault Check) for Active timeout of TSC1DR	TSC1DR CAN信号主动接收超时（即信号丢失）	U0121	0095H	522038	8	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
161	DFC_ComTOTSC1DRPas	DFC(Diagnostic Fault Check) for Passive timeout of TSC1DR	TSC1DR CAN信号被动接收超时（即信号丢失）	U0121	0096H	522038	10	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
162	DFC_ComTOTSC1PEAct	Active DFC TimeOut of TSC1PE Message	TSC1PE信息帧主动丢失故障	U0121	0097H	522039	8	416	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
163	DFC_ComTOTSC1PEPas	Passive DFC TimeOut of TSC1PE Message	TSC1PE信息帧被动丢失故障	U0121	0098H	522039	10	416	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
164	DFC_ComTOTSC1TEAct	Active Time out for TSC1TE	TSC1TE信息帧主动丢失故障	U0121	0099H	522040	8	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
165	DFC_ComTOTSC1TEPas	Passive Time out for TSC1TE	TSC1TE信息帧被动丢失故障	U0121	009AH	522040	10	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
166	DFC_ComTOTSC1TRAct	DFC(Diagnostic Fault Check) for Active timeout of TSC1TR	TSC1TR CAN信号主动接收超时（即信号丢失）	U0121	009BH	522041	8	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
167	DFC_ComTOTSC1TRPas	DFC(Diagnostic Fault Check) for Passive timeout of TSC1TR	TSC1TR CAN信号被动接收超时（即信号丢失）	U0121	009CH	522041	10	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
168	DFC_ComTOTSC1VEAct	Active Time out for TSC1VE	TSC1VE信息帧主动丢失故障	U0121	009DH	522042	8	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPlntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	

NO	DFC name	Description_English	Descrition_Chinese	P-Code	DTCM	SPN	FMI	DTCB	Fault class	Error entry	Error Disable	MIL	SVS	Environment Class Set	Enviromental Condition	FID and Def-Deb
169	DFC_ComTOTSC1VEPas	Passive Time out for TSC1VE	TSC1VE信息帧被动丢失故障	U0121	009EH	522042	10	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
170	DFC_ComTOTSC1VRAct	DFC(Diagnostic Fault Check) for Active timeout of TSC1VR	TSC1VR CAN信号主动接收超时（即信号丢失）	U0121	009FH	522043	8	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
171	DFC_ComTOTSC1VRPas	DFC(Diagnostic Fault Check) for Passive timeout of TSC1VR	TSC1VR CAN信号被动接收超时（即信号丢失）	U0121	00A0H	522043	10	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	
172	DFC_ComTSC1AEDLC	DFC for DLC Error of CAN-Receive-Frame TSC1AE	TSC1AE CAN接收帧信号长度出错	U0121	02E2H	522035	14	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1AEDLC Def50_Deb100
173	DFC_ComTSC1AETO	Timeout Error of CAN-Receive-Frame TSC1AE	TSC1AE CAN信号接收超时（即信号丢失）	U0121	00A1H	522035	19	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1AE Def50_Deb100
174	DFC_ComTSC1ARDLC	DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1AR	TSC1AR CAN接收信号长度出错	U0121	02E3H	522036	14	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1ARDLC Def50_Deb100
175	DFC_ComTSC1ARTO	DFC for timeout of CAN-Receive-Frame TSC1AR	TSC1AR CAN信号接收超时（即信号丢失）	U0121	00A2H	522036	19	414	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1AR Def50_Deb100
176	DFC_ComTSC1DEDLC	DFC for DLC Error of CAN-Receive-Frame TSC1DE	TSC1DE CAN接收信号长度出错	U0121	02E4H	522037	14	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1DEDLC Def50_Deb100
177	DFC_ComTSC1DETO	Timeout Error of CAN-Receive-Frame TSC1DE	TSC1DE CAN信号接收超时（即信号丢失）	U0121	00A3H	522037	19	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1DE Def50_Deb100
178	DFC_ComTSC1DRDLC	DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1DR	TSC1DR CAN接收帧信号长度出错	U0121	02E5H	522038	14	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1DRDLC Def50_Deb100
179	DFC_ComTSC1DRTO	DFC for timeout of CAN-Receive-Frame TSC1DR	TSC1DR CAN信号接收超时（即信号丢失）	U0121	00A4H	522038	19	415	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1DR Def50_Deb100
180	DFC_ComTSC1PEDLC	DFC for DLC Error of CAN-Receive-Frame TSC1PE	TSC1PE CAN接收信号长度出错	U0121	02E6H	522039	14	416	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1PEDLC Def50_Deb100
181	DFC_ComTSC1PETO	Timeout Error of CAN-Receive-Frame TSC1PE	TSC1PE CAN信号接收超时（即信号丢失）	U0121	00A5H	522039	19	416	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1PE Def50_Deb100
182	DFC_ComTSC1TEDLC	DFC for DLC Error of CAN-Receive-Frame TSC1TE	TSC1TE CAN接收信号长度出错	U0121	02E7H	522040	14	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1TEDLC Def50_Deb100
183	DFC_ComTSC1TETO	Timeout Error of CAN-Receive-Frame TSC1TE	TSC1TE CAN信号接收超时（即信号丢失）	U0121	00A6H	522040	19	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1TE Def50_Deb100
184	DFC_ComTSC1TRDLC	DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1TR	TSC1TR CAN接收信号长度出错	U0121	02E8H	522041	14	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1TRDLC Def50_Deb100
185	DFC_ComTSC1TRTO	DFC for timeout of CAN-Receive-Frame TSC1TR	TSC1TR CAN信号接收超时（即信号丢失）	U0121	00A7H	522041	19	417	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1TR Def50_Deb100
186	DFC_ComTSC1VEDLC	DFC for DLC Error of CAN-Receive-Frame TSC1VE	TSC1VE CAN接收帧信号长度出错	U0121	02E9H	522042	14	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1VEDLC Def50_Deb100
187	DFC_ComTSC1VETO	Timeout Error of CAN-Receive-Frame TSC1VE	TSC1VE CAN信号接收超时（即信号丢失）	U0121	00A8H	522042	19	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1VE Def50_Deb100
188	DFC_ComTSC1VRDLC	DFC for DLC(Data length check) Error of CAN-Receive-Frame TSC1VR	TSC1VR CAN接收帧信号长度出错	U0121	02EAH	522043	14	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1VRDLC Def50_Deb100
189	DFC_ComTSC1VRTO	DFC for timeout of CAN-Receive-Frame TSC1VR	TSC1VR CAN信号接收超时（即信号丢失）	U0121	00A9H	522043	19	418	1	YES	Y	OFF	OFF	xSet20	"SIGNALS_RDLI_GlbDa_lTotDst" "SIGNALS_RDLI_CEngDsT_t" "SIGNALS_RDLI_Epm_nEng" "SIGNALS_RDLI_Air_pSensPIntkVUs" "SIGNALS_RDLI_InjCtl_qSetUnBal" "SIGNALS_RDLI_CoETS_rTrq" "SIGNALS_RDLI_APP_r" "SIGNALS_RDLI_RailP_pFlt" "SIGNALS_RDLI_VehV_v"	Fld_TSC1VR Def50_Deb100