

VERSION ""

NS\_ :

NS\_DESC\_  
CM\_  
BA\_DEF\_  
BA\_  
VAL\_  
CAT\_DEF\_  
CAT\_  
FILTER  
BA\_DEF\_DEF\_  
EV\_DATA\_  
ENVVAR\_DATA\_  
SGTYPE\_  
SGTYPE\_VAL\_  
BA\_DEF\_SGTYPE\_  
BA\_SGTYPE\_  
SIG\_TYPE\_REF\_  
VAL\_TABLE\_  
SIG\_GROUP\_  
SIG\_VALTYPE\_  
SIGTYPE\_VALTYPE\_  
BO\_TX\_BU\_  
BA\_DEF\_REL\_  
BA\_REL\_  
BA\_DEF\_DEF\_REL\_  
BU\_SG\_REL\_  
BU\_EV\_REL\_  
BU\_BO\_REL\_  
SG\_MUL\_VAL\_

BS\_:

BU\_ : IAP ODS\_4WD BCM HUD DATC MDPS AAF\_Tester AEMC SMK\_4WD EPB  
CUBIS MTS TMU EVP CGW TPMS LPI DI\_BOX SPAS EMS LCA TCU IBOX FATC  
AFLS FPCM SCC AHLS AVM ABS SNV OPI PGS SAS AAF Dummy LDWS\_LKAS LVR  
ESC PSB CLU ECS ACU REA

BO\_ 1532 ODS13: 5 ODS

SG\_ CR\_Ods\_ID : 0|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_Chksum\_H : 8|8@1+ (1,0) [0|255] "" Dummy  
SG\_ CR\_Ods\_Chksum\_L : 16|8@1+ (1,0) [0|255] "" Dummy  
SG\_ CR\_Ods\_RomID\_H : 24|8@1+ (1,0) [0|255] "" Dummy  
SG\_ CR\_Ods\_RomID\_L : 32|8@1+ (1,0) [0|255] "" Dummy

BO\_ 1531 ODS12: 8 ODS

SG\_ CR\_Ods\_SerNum0 : 0|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum1 : 8|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum2 : 16|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum3 : 24|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum4 : 32|8@1+ (1,0) [0|255] "" ACU

SG\_ CR\_Ods\_SerNum5 : 40|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum6 : 48|8@1+ (1,0) [0|255] "" ACU  
SG\_ CR\_Ods\_SerNum7 : 56|8@1+ (1,0) [0|255] "" ACU

BO\_ 1530 ODS11: 8 ODS

SG\_ CF\_Ods\_PrcCmd : 1|1@1+ (1,0) [0|1] "" Dummy  
SG\_ CF\_Ods\_BtsFail : 3|1@1+ (1,0) [0|1] "" Dummy  
SG\_ CF\_Ods\_AcuRcvSN : 4|1@1+ (1,0) [0|1] "" ACU  
SG\_ CF\_Ods\_EolCal : 5|1@1+ (1,0) [0|1] "" ACU  
SG\_ CF\_Ods\_PsFail : 6|1@1+ (1,0) [0|1] "" ACU  
SG\_ CF\_Ods\_EcuFail : 7|1@1+ (1,0) [0|1] "" ACU  
SG\_ CF\_Ods\_WgtStat : 8|1@1+ (1,0) [0|1] "" ACU  
SG\_ CF\_Ods\_OccStat : 16|1@1+ (1,0) [0|1] "" ACU  
SG\_ CR\_Wcs\_ErrStat : 32|8@1+ (1,0) [0|63] "" ACU  
SG\_ CR\_Wcs\_ClassStat : 40|8@1+ (1,0) [0|4] "" ACU,BCM

BO\_ 1017 ECS12: 4 ECS

SG\_ Height\_FL : 0|8@1+ (1,-128) [-128|127] "mm" AFLS  
SG\_ Height\_FR : 8|8@1+ (1,-128) [-128|127] "mm" AFLS  
SG\_ Height\_RL : 16|8@1+ (1,-128) [-128|127] "mm" AFLS  
SG\_ Height\_RR : 24|8@1+ (1,-128) [-128|127] "mm" AFLS

BO\_ 1268 SPAS12: 8 SPAS

SG\_ CF\_Spas\_HMI\_Stat : 0|8@1+ (1,0) [0|255] "" CLU  
SG\_ CF\_Spas\_Dispatch : 8|2@1+ (1,0) [0|3] "" CLU,EMS  
SG\_ CF\_Spas\_FIL\_Ind : 10|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FIR\_Ind : 13|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FOL\_Ind : 16|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FOR\_Ind : 19|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_VolDown : 22|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_RIL\_Ind : 24|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_RIR\_Ind : 27|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FLS\_Alarm : 30|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_ROL\_Ind : 32|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_ROR\_Ind : 35|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FCS\_Alarm : 38|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_FI\_Ind : 40|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_RI\_Ind : 43|3@1+ (1,0) [0|7] "" AVM,CLU  
SG\_ CF\_Spas\_FRS\_Alarm : 46|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_FR\_Alarm : 48|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_Spas\_RR\_Alarm : 50|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_Spas\_BEEP\_Alarm : 52|4@1+ (1,0) [0|15] "" BCM,CLU  
SG\_ CF\_Spas\_StatAlarm : 56|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Spas\_RLS\_Alarm : 57|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_RCS\_Alarm : 59|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_RRS\_Alarm : 61|2@1+ (1,0) [0|3] "" CLU

BO\_ 1265 CLU11: 4 CLU

SG\_ CF\_Clu\_CruiseSwState : 0|3@1+ (1,0) [0|7] "" EMS,LDWS\_LKAS,SCC  
SG\_ CF\_Clu\_CruiseSwMain : 3|1@1+ (1,0) [0|1] "" EMS,LDWS\_LKAS,SCC  
SG\_ CF\_Clu\_SldMainSW : 4|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_Clu\_ParityBit1 : 5|1@1+ (1,0) [0|1] "pulse count" EMS  
SG\_ CF\_Clu\_VanzDecimal : 6|2@1+ (0.125,0) [0|0.375] "" EMS  
SG\_ CF\_Clu\_Vanz : 8|9@1+ (0.5,0) [0|255.5] "km/h or MPH"

BCM,CUBIS,EMS,IBOX,LDWS\_LKAS,MDPS,SCC  
 SG\_CF\_Clu\_SPEED\_UNIT : 17|1@1+ (1,0) [0|1] ""  
 BCM,CUBIS,EMS,IBOX,LDWS\_LKAS,MDPS,SCC  
 SG\_CF\_Clu\_DetentOut : 18|1@1+ (1,0) [0|1] "" AVM,BCM,LCA,PGS,SPAS  
 SG\_CF\_Clu\_RheostatLevel : 19|5@1+ (1,0) [0|31] ""  
 AVM,BCM,LCA,PGS,SPAS  
 SG\_CF\_Clu\_CluInfo : 24|1@1+ (1,0) [0|1] "" BCM  
 SG\_CF\_Clu\_AmpInfo : 25|1@1+ (1,0) [0|1] "" BCM  
 SG\_CF\_Clu\_AliveCnt1 : 28|4@1+ (1,0) [0|15] ""  
 AHLs,EMS,EPB,LDWS\_LKAS,MDPS,SCC

BO\_1492 TMU\_GW\_PE\_01: 8 CLU  
 SG\_TMU\_IVRActivity : 0|2@1+ (1,0) [0|3] "" DATC  
 SG\_TMU\_PhoneActivity : 2|2@1+ (1,0) [0|3] "" DATC

BO\_1491 HU\_DATC\_PE\_00: 8 CLU  
 SG\_HU\_VRActivity : 0|2@1+ (1,0) [0|3] "" DATC  
 SG\_HU\_PhoneActivity : 2|2@1+ (1,0) [0|3] "" DATC  
 SG\_BlowerNoiseControl : 4|2@1+ (1,0) [0|3] "" DATC

BO\_1490 HU\_DATC\_E\_02: 8 CLU  
 SG\_HU\_DATC\_RearOnOffSet : 6|2@1+ (1,0) [0|3] "" DATC  
 SG\_HU\_DATC\_ADSOnOffSet : 8|2@1+ (1,0) [0|3] "" DATC

BO\_1479 EMS21: 8 EMS  
 SG\_SCR\_LEVEL\_WARN\_LAMP : 0|1@1+ (1,0) [0|1] "" CLU  
 SG\_SCR\_LEVEL\_WARN : 1|3@1+ (1,0) [0|4] "" CLU  
 SG\_SCR\_SYS\_ERROR\_WARN : 4|3@1+ (1,0) [0|7] "" CLU  
 SG\_SCR\_SYSTEM\_WARN\_LAMP : 7|1@1+ (1,0) [0|1] "" CLU  
 SG\_SCR\_INDUCEMENT\_EXIT\_COND : 8|2@1+ (1,0) [0|3] "" CLU  
 SG\_SCR\_UREA\_LEVEL : 16|8@1+ (0.5,0) [0|100] "%" CLU  
 SG\_SCR\_NO\_REMAINING\_RESTARTS : 24|8@1+ (1,0) [0|255] "" CLU  
 SG\_SCR\_REMAINING\_DISTANCE : 32|16@1+ (1,0) [0|25000] "km" CLU

BO\_1472 GW\_Warning\_PE: 8 BCM  
 SG\_Audio\_VolumeDown : 38|2@1+ (1,0) [0|3] "" CLU  
 SG\_Pas\_Spkr\_Flh\_Alarm : 48|2@1+ (1,0) [0|3] "" CLU  
 SG\_Pas\_Spkr\_Fcnt\_Alarm : 50|2@1+ (1,0) [0|3] "" CLU  
 SG\_Pas\_Spkr\_Frh\_Alarm : 52|2@1+ (1,0) [0|3] "" CLU  
 SG\_Pas\_Spkr\_Rlh\_Alarm : 56|2@1+ (1,0) [0|3] "" CLU,PGS  
 SG\_Pas\_Spkr\_Rcnt\_Alarm : 58|2@1+ (1,0) [0|3] "" CLU  
 SG\_Pas\_Spkr\_Rrh\_Alarm : 60|2@1+ (1,0) [0|3] "" CLU,PGS

BO\_1984 CAL\_SAS11: 2 ESC  
 SG\_CCW : 0|4@1+ (1,0) [0|15] "" SAS  
 SG\_SAS\_CID : 4|11@1+ (1,0) [0|2047] "" SAS

BO\_1456 CLU12: 4 CLU  
 SG\_CF\_Clu\_Odometer : 0|24@1+ (0.1,0) [0|1677721.4] "km"  
 \_4WD,AAF,BCM,CUBIS,EMS,EPB,IBOX,LDWS\_LKAS,SCC,TPMS

BO\_688 SAS11: 5 MDPS  
 SG\_SAS\_Speed : 16|8@1+ (4,0) [0|1016] ""  
 AFLS,ECS,ESC,IBOX,LDWS\_LKAS,SCC,SPAS,TCU,AFLS,ECS,ESC,IBOX,LDWS\_LKAS

,SCC,SPAS,TCU  
SG\_ SAS\_Stat : 24|8@1+ (1,0) [0|255] ""  
ECS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,TCU,ECS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,TCU  
SG\_ MsgCount : 32|4@1+ (1,0) [0|15] ""  
ECS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,ECS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS  
SG\_ CheckSum : 36|4@1+ (1,0) [0|15] ""  
ECS,EMS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,ECS,EMS,ESC,IBOX,LDWS\_LKAS,PSB,SCC,SPAS  
SG\_ SAS\_Angle : 0|16@1- (0.1,0) [-3276.8|3276.7] "Deg"  
\_4WD,ACU,AFLS,AVM,CLU,ECS,EMS,ESC,IBOX,LCA,LDWS\_LKAS,PGS,PSB,SCC,SPAS,TCU,\_4WD,ACU,AFLS,AVM,BCM,CLU,ECS,EMS,ESC,IBOX,LCA,LDWS\_LKAS,PGS,PSB,SCC,SPAS,TCU

BO\_ 1441 ACU12: 8 ACU

SG\_ CR\_Acu\_SN : 0|64@1+ (1,0) [0|0] "" ODS

BO\_ 1440 ACU11: 8 ACU

SG\_ CF\_Ods\_SNRcv : 1|1@1+ (1,0) [0|1] "" ODS  
SG\_ CF\_Ods\_IDRcv : 2|1@1+ (1,0) [0|1] "" ODS  
SG\_ CF\_Ods\_RZReq : 4|1@1+ (1,0) [0|1] "" ODS  
SG\_ CF\_Abg\_DepInhEnt : 6|1@1+ (1,0) [0|1] "" ODS  
SG\_ CF\_Abg\_DepEnt : 7|1@1+ (1,0) [0|1] "" ODS  
SG\_ CF\_PasBkl\_FltStat : 28|1@1+ (1,0) [0|1] "" ODS,PSB  
SG\_ CF\_DriBkl\_FltStat : 29|1@1+ (1,0) [0|1] "" ODS,PSB  
SG\_ CF\_PasBkl\_Stat : 30|1@1+ (1,0) [0|1] "" IBOX,ODS,PSB,TMU  
SG\_ CF\_DriBkl\_Stat : 31|1@1+ (1,0) [0|1] "" ODS,PSB  
SG\_ CF\_SWL\_Ind : 32|2@1+ (1,0) [0|3] "" CUBIS,IBOX  
SG\_ CF\_Acu\_FltStat : 34|2@1+ (1,0) [0|3] "" CUBIS,IBOX  
SG\_ CF\_Acu\_ExtOfSab : 36|2@1+ (1,0) [0|3] "" BCM,CLU,CUBIS,IBOX  
SG\_ CF\_Acu\_Dtc : 40|16@1+ (1,0) [0|65535] "" CUBIS,IBOX  
SG\_ CF\_Acu\_NumOfFlt : 56|8@1+ (1,0) [0|255] "" CUBIS,IBOX

BO\_ 1437 AHLS11: 8 AHLS

SG\_ CF\_Ahls\_WarnLamp : 0|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Ahls\_WarnMsg : 2|2@1+ (1,0) [0|3] "" CLU

BO\_ 1434 PSB11: 2 PSB

SG\_ PSB\_LH\_FAIL : 0|2@1+ (1,0) [0|3] "" CLU  
SG\_ PSB\_LH\_TGL : 2|1@1+ (1,0) [0|1] "" CLU  
SG\_ PSB\_LH\_ACT : 3|4@1+ (1,0) [0|4] "" Dummy  
SG\_ PSB\_RH\_FAIL : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ PSB\_RH\_TGL : 10|1@1+ (1,0) [0|1] "" CLU  
SG\_ PSB\_RH\_ACT : 11|4@1+ (1,0) [0|4] "" Dummy

BO\_ 916 TCS13: 8 ESC

SG\_ aBasis : 0|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2" EMS,SCC  
SG\_ BrakeLight : 11|1@1+ (1,0) [0|1] "" CLU,EMS,SCC  
SG\_ DCEnable : 12|1@1+ (1,0) [0|1] "" EMS,SCC  
SG\_ AliveCounterTCS : 13|3@1+ (1,0) [0|7] "" EMS,SCC  
SG\_ ACCReqLim : 22|2@1+ (1,0) [0|3] "" EMS,SCC  
SG\_ TQI\_ACC : 24|8@1+ (0.390625,0) [0|99.609375] "%" EMS  
SG\_ ACCEL\_REF\_ACC : 32|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2"

EMS,SCC

SG\_ ACCEnable : 43|2@1+ (1,0) [0|3] "" EMS,SCC  
SG\_ DriverOverride : 45|2@1+ (1,0) [0|3] "" EMS,SCC  
SG\_ StandStill : 47|1@1+ (1,0) [0|1] "" EMS,SCC  
SG\_ CheckSum\_TCS3 : 48|4@1+ (1,0) [0|15] "" EMS,SCC  
SG\_ ACC\_EQUIP : 52|1@1+ (1,0) [0|1] "" EMS,SCC  
SG\_ PBRAKE\_ACT : 53|1@1+ (1,0) [0|1] "" EMS,SCC  
SG\_ ACC\_REQ : 54|1@1+ (1,0) [0|1] "" EMS  
SG\_ DriverBraking : 55|1@1+ (1,0) [0|1] "" EMS,SCC  
SG\_ CF\_VSM\_Coded : 56|1@1+ (1,0) [0|1] "" SCC  
SG\_ CF\_VSM\_Avail : 57|2@1+ (1,0) [0|3] "" CLU,SCC  
SG\_ CF\_VSM\_Handshake : 59|1@1+ (1,0) [0|1] "" SCC  
SG\_ CF\_DriBkeStat : 60|1@1+ (1,0) [0|1] "" SCC  
SG\_ CF\_VSM\_ConfSwi : 61|2@1+ (1,0) [0|3] "" SCC  
SG\_ AEB\_EQUIP : 63|1@1+ (1,0) [0|1] "" SCC

BO\_ 1427 TPMS11: 6 BCM

SG\_ TPMS\_W\_LAMP : 0|2@1+ (1,0) [0|3] ""  
CLU,CUBIS,HUD,IBOX,CLU,CUBIS,HUD,IBOX  
SG\_ TREAD\_W\_LAMP : 2|2@1+ (1,0) [0|3] ""  
CLU,CUBIS,HUD,IBOX,CLU,CUBIS,HUD,IBOX  
SG\_ POS\_FL\_W\_LAMP : 4|1@1+ (1,0) [0|1] "" CLU,CUBIS,HUD,IBOX  
SG\_ POS\_FR\_W\_LAMP : 5|1@1+ (1,0) [0|1] "" CLU,CUBIS,HUD,IBOX  
SG\_ POS\_RL\_W\_LAMP : 6|1@1+ (1,0) [0|1] "" CLU,CUBIS,HUD,IBOX  
SG\_ POS\_RR\_W\_LAMP : 7|1@1+ (1,0) [0|1] "" CLU,CUBIS,HUD,IBOX  
SG\_ STATUS\_TPMS : 8|3@1+ (1,0) [0|0] "" CLU  
SG\_ UNIT : 11|2@1+ (1,0) [0|3] "" CLU  
SG\_ PRESSURE\_FL : 16|8@1+ (1,0) [0|255] "" CLU  
SG\_ PRESSURE\_FR : 24|8@1+ (1,0) [0|255] "" CLU  
SG\_ PRESSURE\_RL : 32|8@1+ (1,0) [0|255] "" CLU  
SG\_ PRESSURE\_RR : 40|8@1+ (1,0) [0|255] "" CLU

BO\_ 915 TCS12: 4 ESC

SG\_ SA\_COUNT : 0|16@1+ (2,-32768) [-32768|98302] "" \_4WD,ACU,MDPS  
SG\_ SA\_Z\_COUNT : 16|15@1+ (2,-32768) [-32768|32766] ""  
\_4WD,ACU,MDPS  
SG\_ SA\_Z\_FLAG : 31|1@1+ (1,0) [0|1] "" \_4WD,ACU,MDPS

BO\_ 1170 EMS19: 8 EMS

SG\_ CF\_Ems\_BrkReq : 0|1@1+ (1,0) [0|1] "" ESC,IBOX,TCU  
SG\_ CF\_Ems\_DnShftReq : 1|4@1+ (1,0) [0|14] "" IBOX,TCU  
SG\_ CF\_Ems\_RepModChk : 5|2@1+ (1,0) [0|3] "" IBOX  
SG\_ CF\_Ems\_AAF0penReq : 7|1@1+ (1,0) [0|1] "" AAF,IBOX  
SG\_ CF\_Ems\_DecelReq : 8|12@1+ (0.001,-4.094) [-4.094|0] "m/s^2"  
ESC,IBOX,TCU  
SG\_ CR\_Ems\_BstPre : 20|12@1+ (1.322,0) [0|4094] "hPa" CLU,IBOX  
SG\_ CR\_Ems\_EngOilTemp : 32|8@1+ (0.75,-40) [0|254] "deg" CLU,IBOX  
SG\_ DPF\_LAMP\_STAT : 40|2@1+ (1,0) [0|3] "" CLU,IBOX  
SG\_ BAT\_LAMP\_STAT : 42|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_ModeledAmbTemp : 48|8@1+ (0.5,-41) [-41|85.5] "deg"  
AAF,IBOX  
SG\_ CF\_Ems\_OPSPFail : 56|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_AliveCounterEMS9 : 58|2@1+ (1,0) [0|3] ""  
AAF,ABS,CUBIS,ECS,EPB,IBOX,MDPS,REA,SCC,SMK,TCU

SG\_ CF\_Ems\_ChecksumEMS9 : 60|4@1+ (1,0) [0|15] ""  
AAF,ABS,CUBIS,ECS,EPB,IBOX,MDPS,REA,SCC,SMK,TCU

BO\_ 1425 AFLS11: 2 AFLS

SG\_ AFLS\_STAT : 1|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Afls\_TrifChgStat : 3|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Afls\_LedHLStat : 4|2@1+ (1,0) [0|3] "" CLU

BO\_ 912 SPAS11: 7 SPAS

SG\_ CF\_Spas\_Stat : 0|4@1+ (1,0) [0|15] "" ESC,MDPS  
SG\_ CF\_Spas\_TestMode : 4|2@1+ (1,0) [0|3] "" MDPS  
SG\_ CR\_Spas\_StrAngCmd : 8|16@1- (0.1,0) [-3276.8|3276.7] "" MDPS  
SG\_ CF\_Spas\_BeepAlarm : 24|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Spas\_Mode\_Seq : 28|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Spas\_AliveCnt : 32|8@1+ (1,0) [0|255] "" MDPS  
SG\_ CF\_Spas\_Chksum : 40|8@1+ (1,0) [0|255] "" MDPS  
SG\_ CF\_Spas\_PasVol : 48|3@1+ (1,0) [0|7] "" CGW,CLU

BO\_ 1168 EPB11: 7 EPB

SG\_ EPB\_I\_LAMP : 0|4@1+ (1,0) [0|15] "" BCM,CLU,CUBIS,ESC,IBOX  
SG\_ EPB\_F\_LAMP : 4|2@1+ (1,0) [0|3] "" CLU,CUBIS,ESC,IBOX  
SG\_ EPB\_ALARM : 6|2@1+ (1,0) [0|3] "" CLU,ESC  
SG\_ EPB\_CLU : 8|8@1+ (1,0) [0|255] "" CLU,ESC  
SG\_ EPB\_SWITCH : 16|2@1+ (1,0) [0|3] "" ESC,SCC  
SG\_ EPB\_RBL : 18|1@1+ (1,0) [0|1] "" EMS,ESC  
SG\_ EPB\_STATUS : 19|3@1+ (1,0) [0|7] "" CLU,EMS,ESC,SCC,TCU  
SG\_ EPB\_FRC\_ERR : 22|2@1+ (1,0) [0|3] "" EMS,ESC,SCC,TCU  
SG\_ EPB\_DBF\_STAT : 24|1@1+ (1,0) [0|1] "" ESC  
SG\_ ESP\_ACK : 25|1@1+ (1,0) [0|1] "" ESC  
SG\_ EPB\_DBF\_REQ : 26|1@1+ (1,0) [0|1] "" ESC  
SG\_ EPB\_FAIL : 29|3@1+ (1,0) [0|7] "" ESC,SCC  
SG\_ EPB\_FORCE : 32|12@1+ (1,-1000) [-1000|3000] "" ESC  
SG\_ EPB\_DBF\_DECEL : 48|8@1+ (0.01,0) [0|2.54] "g" ESC

BO\_ 399 EMS\_H12: 8 EMS

SG\_ R\_TqAcnApvC : 0|8@1+ (0.2,0) [0|51] "Nm" DATC,IBOX  
SG\_ R\_PAcnC : 8|8@1+ (125,0) [0|31875] "hPa" DATC,IBOX  
SG\_ TQI\_B : 16|8@1+ (0.390625,0) [0|99.609375] "%" ABS,ESC,IBOX  
SG\_ SLD\_VS : 24|8@1+ (1,0) [0|255] "km/h" CLU,IBOX  
SG\_ CF\_CdaStat : 32|3@1+ (1,0) [0|7] "" AEMC,IBOX,TCU  
SG\_ CF\_Ems\_IsgStat : 35|3@1+ (1,0) [0|7] ""

ABS,BCM,CLU,DATC,EPB,ESC,IBOX,LDWS\_LKAS,MDPS,SMK,TCU

SG\_ CF\_Ems\_OilChg : 38|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_EtcLimpMod : 39|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ R\_NEngIdlTgC : 40|8@1+ (10,0) [0|2550] "rpm" DATC,IBOX,TCU  
SG\_ CF\_Ems\_UpTarGr : 48|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_DownTarGr : 49|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_DesCurGr : 50|4@1+ (1,0) [0|15] "" CLU,IBOX  
SG\_ CF\_Ems\_SldAct : 54|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_SldPosAct : 55|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_HPresStat : 56|1@1+ (1,0) [0|1] "" IBOX,TCU  
SG\_ CF\_Ems\_IsgBuz : 57|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_IdlStpFC0 : 58|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Ems\_FCopen : 59|1@1+ (1,0) [0|1] "" CLU,IBOX

SG\_ CF\_Ems\_ActEcoAct : 60|1@1+ (1,0) [0|1] "" CLU,IBOX,TCU  
SG\_ CF\_Ems\_EngRunNorm : 61|1@1+ (1,0) [0|1] "" ABS,ESC,IBOX,TCU  
SG\_ CF\_Ems\_IsgStat2 : 62|2@1+ (2,0) [0|3] "" CLU,IBOX,TCU

BO\_ 1419 LCA11: 8 LCA

SG\_ CF\_Lca\_Stat : 0|4@1+ (1,0) [0|15] "" BCM,CLU  
SG\_ CF\_Rcta\_Stat : 4|4@1+ (1,0) [0|15] "" BCM,CLU  
SG\_ CF\_Lca\_IndLeft : 8|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_Rcw\_Stat : 10|4@1+ (1,0) [0|15] "" BCM,CLU  
SG\_ CF\_RCW\_Warning : 14|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_Lca\_IndRight : 16|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_Lca\_SndWan\_Stat : 18|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_FR\_SndWan : 20|1@1+ (1,0) [0|1] "" BCM,CLU  
SG\_ CF\_FL\_SndWan : 21|1@1+ (1,0) [0|1] "" BCM,CLU  
SG\_ CF\_RR\_SndWan : 22|1@1+ (1,0) [0|1] "" BCM,CLU  
SG\_ CF\_RL\_SndWan : 23|1@1+ (1,0) [0|1] "" BCM,CLU  
SG\_ CF\_Lca\_IndBriLeft : 24|8@1+ (1,0) [0|255] "" BCM,CLU  
SG\_ CF\_Lca\_IndBriRight : 32|8@1+ (1,0) [0|255] "" BCM,CLU  
SG\_ CF\_RCTA\_IndBriLeft : 40|8@1+ (1,0) [0|255] "" BCM,CLU  
SG\_ CF\_RCTA\_IndBriRight : 48|8@1+ (1,0) [0|255] "" BCM,CLU  
SG\_ CF\_RCTA\_IndLeft : 56|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_RCTA\_IndRight : 58|2@1+ (1,0) [0|3] "" BCM,CLU  
SG\_ CF\_SndWarnForClu : 60|1@1+ (1,0) [0|1] "" CLU

BO\_ 906 ABS11: 8 ABS

SG\_ ABS\_DEF : 0|1@1+ (1,0) [0|1] "" \_4WD,ACU,EMS,SPAS,TCU  
SG\_ EBD\_DEF : 1|1@1+ (1,0) [0|1] "" \_4WD,EMS,SPAS,TCU  
SG\_ ABS\_ACT : 2|1@1+ (1,0) [0|1] "" \_4WD,ACU,EPB,SPAS,TCU  
SG\_ ABS\_W\_LAMP : 3|1@1+ (1,0) [0|1] "" \_4WD,CLU,CUBIS,MTS,TMU  
SG\_ EBD\_W\_LAMP : 4|1@1+ (1,0) [0|1] "" \_4WD,CLU  
SG\_ ABS\_DIAG : 5|1@1+ (1,0) [0|1] "" \_4WD,CLU  
SG\_ ESS\_STAT : 6|2@1+ (1,0) [0|3] "" \_4WD,BCM,CLU,EMS

BO\_ 903 WHL\_PUL11: 6 ABS

SG\_ WHL\_PUL\_FL : 0|8@1+ (0.5,0) [0|127.5] "pulse count"  
CUBIS,EPB,IBOX,SPAS,TMU,TPMS,CUBIS,EPB,IBOX,LDWS\_LKAS,SPAS,TMU,TPMS  
SG\_ WHL\_PUL\_FR : 8|8@1+ (0.5,0) [0|127.5] "pulse count"  
CUBIS,EPB,IBOX,SPAS,TMU,TPMS,CUBIS,EPB,IBOX,LDWS\_LKAS,SPAS,TMU,TPMS  
SG\_ WHL\_PUL\_RL : 16|8@1+ (0.5,0) [0|127.5] "pulse count"  
CUBIS,EPB,IBOX,SPAS,TMU,TPMS,CUBIS,EPB,IBOX,LDWS\_LKAS,SPAS,TMU,TPMS  
SG\_ WHL\_PUL\_RR : 24|8@1+ (0.5,0) [0|127.5] "pulse count"  
CUBIS,EPB,IBOX,SPAS,TMU,TPMS,CUBIS,EPB,IBOX,LDWS\_LKAS,SPAS,TMU,TPMS  
SG\_ WHL\_DIR\_FL : 32|2@1+ (1,0) [0|3] ""  
EPB,SPAS,TPMS,EPB,LCA,SPAS,TPMS  
SG\_ WHL\_DIR\_FR : 34|2@1+ (1,0) [0|3] ""  
EPB,SPAS,TPMS,EPB,LCA,SPAS,TPMS  
SG\_ WHL\_DIR\_RL : 36|2@1+ (1,0) [0|3] ""  
EPB,SPAS,TPMS,EPB,LCA,SPAS,TPMS  
SG\_ WHL\_DIR\_RR : 38|2@1+ (1,0) [0|3] ""  
EPB,SPAS,TPMS,EPB,LCA,SPAS,TPMS  
SG\_ WHL\_PUL\_Chksum : 40|8@1+ (1,0) [0|255] ""  
EPB,SPAS,TPMS,EPB,LCA,LDWS\_LKAS,SPAS,TPMS

BO\_ 1415 TMU11: 8 IBOX

SG\_ CF\_Tmu\_VehSld : 0|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_Tmu\_VehImmo : 1|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_Tmu\_ReqRepCnd : 2|2@1+ (1,0) [0|3] "" EMS  
SG\_ CF\_Tmu\_AirconCtr : 4|1@1+ (1,0) [0|1] "" DATC  
SG\_ CF\_Tmu\_TempMd : 5|1@1+ (1,0) [0|1] "" DATC  
SG\_ CF\_Tmu\_TempSet : 6|16@1+ (1,0) [0|20] "" DATC  
SG\_ CF\_Tmu\_DefrostCtr : 22|1@1+ (1,0) [0|1] "" DATC,FATC  
SG\_ CF\_Tmu\_AliveCnt1 : 56|4@1+ (1,0) [0|15] "" EMS

BO\_ 902 WHL\_SPD11: 8 ABS

SG\_ WHL\_SPD\_FL : 0|14@1+ (0.03125,0) [0|511.96875] "km/h"  
\_4WD,AFLS,AHLS,AVM,CLU,CUBIS,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PGS,PSB,SCC,  
SMK,SPAS,TCU,TPMS,\_4WD,ACU,AFLS,AHLS,AVM,CLU,ECS,EMS,EPB,IBOX,LCA,LD  
WS\_LKAS,PGS,PSB,SCC,SMK,SPAS,TCU,TPMS  
SG\_ WHL\_SPD\_FR : 16|14@1+ (0.03125,0) [0|511.96875] "km/h"  
\_4WD,ACU,AFLS,AHLS,AVM,CLU,CUBIS,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PGS,PSB,  
SCC,SMK,SPAS,TCU,TPMS,\_4WD,ACU,AFLS,AHLS,AVM,CLU,ECS,EMS,EPB,IBOX,LC  
A,LDWS\_LKAS,PGS,PSB,SCC,SMK,SPAS,TCU,TPMS  
SG\_ WHL\_SPD\_RL : 32|14@1+ (0.03125,0) [0|511.96875] "km/h"  
\_4WD,AFLS,AHLS,AVM,BCM,CLU,CUBIS,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PGS,PSB,  
SCC,SMK,SPAS,TCU,TPMS,\_4WD,ACU,AFLS,AHLS,AVM,BCM,CLU,ECS,EMS,EPB,IBO  
X,LCA,LDWS\_LKAS,PGS,PSB,SCC,SMK,SPAS,TCU,TPMS  
SG\_ WHL\_SPD\_RR : 48|14@1+ (0.03125,0) [0|511.96875] "km/h"  
\_4WD,AFLS,AHLS,AVM,CLU,CUBIS,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PGS,PSB,SCC,  
SMK,SPAS,TCU,TPMS,\_4WD,ACU,AFLS,AHLS,AVM,CLU,ECS,EMS,EPB,IBOX,LCA,LD  
WS\_LKAS,PGS,PSB,SCC,SMK,SPAS,TCU,TPMS  
SG\_ WHL\_SPD\_AliveCounter\_LSB : 14|2@1+ (1,0) [0|15] ""  
\_4WD,EMS,LPI,TCU,TMU  
SG\_ WHL\_SPD\_AliveCounter\_MSB : 30|2@1+ (1,0) [0|15] ""  
\_4WD,EMS,LPI,TCU,TMU  
SG\_ WHL\_SPD\_Checksum\_LSB : 46|2@1+ (1,0) [0|15] ""  
\_4WD,EMS,LPI,TCU,TMU  
SG\_ WHL\_SPD\_Checksum\_MSB : 62|2@1+ (1,0) [0|15] ""  
\_4WD,EMS,LPI,TCU,TMU

BO\_ 1414 EVP11: 3 EVP

SG\_ CF\_Evp\_Stat : 0|1@1+ (1,0) [0|1] "" CLU

BO\_ 1412 AAF11: 8 AAF

SG\_ CF\_Aaf\_ActFlapStatus : 0|2@1+ (1,0) [0|3] "" AAF\_Tester  
SG\_ CF\_Aaf\_ModeStatus : 2|3@1+ (1,0) [0|7] "" AAF\_Tester  
SG\_ CF\_Aaf\_WrnLamp : 5|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Aaf\_ErrStatus : 6|10@1+ (1,0) [0|1023] "" AAF\_Tester,EMS  
SG\_ CF\_Aaf\_OpenRqSysAct : 16|8@1+ (1,0) [0|255] "" AAF\_Tester  
SG\_ CF\_Aaf\_PStatus : 24|8@1+ (1,0) [0|100] "%" AAF\_Tester  
SG\_ CF\_Aaf\_OpenRqSysSol : 32|8@1+ (1,0) [0|255] "" AAF\_Tester  
SG\_ CF\_Aaf\_SolFlapStatus : 40|2@1+ (1,0) [0|3] "" AAF\_Tester  
SG\_ CF\_Aaf\_MilOnReq : 42|1@1+ (1,0) [0|1] "" EMS

BO\_ 900 EMS17: 8 EMS

SG\_ CF\_Ems\_PkpCurMSV : 0|8@1+ (1,0) [0|255] "" DI\_BOX  
SG\_ CF\_Ems\_HolCurMSV : 8|8@1+ (1,0) [0|255] "" DI\_BOX  
SG\_ CF\_Ems\_InjVBnkAct : 16|8@1+ (1,0) [0|255] "" DI\_BOX  
SG\_ CF\_Ems\_InjVActSet : 24|8@1+ (1,0) [0|255] "" DI\_BOX



SG\_ CF\_Ems\_DiagFulHDEV : 32|1@1+ (1,0) [0|1] "" DI\_BOX  
SG\_ CF\_Ems\_SwiOffIC1 : 33|1@1+ (1,0) [0|1] "" DI\_BOX  
SG\_ CF\_Ems\_SwiOffIC2 : 34|1@1+ (1,0) [0|1] "" DI\_BOX  
SG\_ CF\_Ems\_DiagReqHDEV : 38|1@1+ (1,0) [0|1] "" DI\_BOX  
SG\_ CR\_Ems\_DutyCycMSV : 40|8@1+ (0.3921568627,0) [0|100] "%" DI\_BOX  
SG\_ CR\_Ems\_BatVolRly : 48|8@1+ (0.1,0) [0|25.5] "V" DI\_BOX

BO\_ 387 REA11: 8 REA

SG\_ CF\_EndBst\_PwmDuH : 0|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_PwmDuL : 1|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_PwmFqOutRng : 2|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_HbriOverCur : 3|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_HbriOverTemp : 4|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_PosSnsKOR : 6|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_PosSnsOSOR : 7|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_EepFlt : 8|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_RomFlt : 9|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_RamFlt : 10|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_CanFlt : 11|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_AgH : 12|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_AgL : 13|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_EndBst\_ORVol : 14|1@1+ (1,0) [0|1] "" EMS  
SG\_ CR\_EndBst\_ActPos : 16|16@1+ (0.117,0) [1.989|118.053] "" EMS  
SG\_ CR\_EndBst\_DemPos : 32|16@1+ (0.117,0) [0|119.691] "" EMS  
SG\_ CR\_EndBst\_HbriPwr : 48|16@1+ (0.045,0) [0|99.99] "%" EMS

BO\_ 1411 CUBIS11: 8 CUBIS

SG\_ CF\_Cubis\_HUDisp : 0|4@1+ (1,0) [0|15] "" CLU

BO\_ 899 FATC11: 8 DATC

SG\_ CR\_Fatc\_TqAcnOut : 0|8@1+ (0.2,0) [0|50.8] "Nm" EMS,IBOX  
SG\_ CF\_Fatc\_AcnRqSwi : 8|1@1+ (1,0) [0|1] "" AAF,EMS,IBOX  
SG\_ CF\_Fatc\_AcnClcEnRq : 9|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_Fatc\_EcvFlt : 10|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_Fatc\_BlwrOn : 11|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_FATC\_Iden : 12|2@1+ (1,0) [0|3] "" EMS,IBOX  
SG\_ CF\_Fatc\_BlwrMax : 14|1@1+ (1,0) [0|1] "" CLU,EMS,IBOX  
SG\_ CF\_Fatc\_EngStartReq : 15|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_Fatc\_IsqStopReq : 16|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_Fatc\_CtrInf : 17|3@1+ (1,0) [0|7] "" EMS,IBOX  
SG\_ CF\_Fatc\_MsgCnt : 20|4@1+ (1,0) [0|15] "" EMS,IBOX  
SG\_ CR\_Fatc\_OutTemp : 24|8@1+ (0.5,-40) [-40|60] "deg"

BCM,CLU,EMS,IBOX,SPAS,TCU,TPMS

SG\_ CR\_Fatc\_OutTempSns : 32|8@1+ (0.5,-40) [-40|60] "deg"

AAF,AHLS,CLU,EMS,IBOX,SPAS,TCU

SG\_ CF\_Fatc\_Compload : 40|3@1+ (1,0) [0|7] "" EMS,IBOX  
SG\_ CF\_Fatc\_ActiveEco : 43|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ CF\_Fatc\_AutoActivation : 44|1@1+ (1,0) [0|1] "" IBOX  
SG\_ CF\_Fatc\_DefSw : 45|1@1+ (1,0) [0|1] "" BCM,IBOX  
SG\_ CF\_Fatc\_PtcRlyStat : 46|1@1+ (1,0) [0|1] "" EMS,IBOX  
SG\_ CF\_Fatc\_ChkSum : 56|8@1+ (1,0) [0|255] "" EMS,IBOX,SPAS

BO\_ 129 EMS\_DCT12: 8 EMS

SG\_ CR\_Ems\_SoakTimeExt : 0|6@1+ (5,0) [0|315] "Min" TCU

SG\_ BRAKE\_ACT : 6|2@1+ (1,0) [0|3] "" TCU  
SG\_ CF\_Ems\_EngOperStat : 8|8@1+ (1,0) [0|255] "" TCU  
SG\_ CR\_Ems\_IndAirTemp : 16|8@1+ (0.75,-48) [-48|143.25] "deg" TCU  
SG\_ CF\_Ems\_Alive2 : 56|4@1+ (1,0) [0|15] "" TCU  
SG\_ CF\_Ems\_ChkSum2 : 60|4@1+ (1,0) [0|15] "" TCU

BO\_ 897 MDPS11: 8 MDPS

SG\_ CF\_Mdps\_WLmp : 0|2@1+ (1,0) [0|3] "" CLU,CUBIS,EMS,IBOX,SPAS  
SG\_ CF\_Mdps\_Flex : 2|3@1+ (1,0) [0|3] "" CLU,LDWS\_LKAS  
SG\_ CF\_Mdps\_FlexDisp : 5|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Mdps\_Stat : 7|4@1+ (1,0) [0|15] "" SPAS  
SG\_ CR\_Mdps\_DrvTq : 11|12@1+ (0.01,-20.48) [-20.48|20.46] "" SPAS  
SG\_ CF\_Mdps\_ALTRrequest : 23|1@1+ (1,0) [0|1] "" EMS  
SG\_ CR\_Mdps\_StrAng : 24|16@1- (0.1,0) [-3276.8|3276.7] "Deg" SPAS  
SG\_ CF\_Mdps\_AliveCnt : 40|8@1+ (1,0) [0|255] "" LDWS\_LKAS,SPAS  
SG\_ CF\_Mdps\_Chksum : 48|8@1+ (1,0) [0|255] "" LDWS\_LKAS,SPAS  
SG\_ CF\_Mdps\_SPAS\_FUNC : 57|1@1+ (1,0) [0|1] "flag" SPAS  
SG\_ CF\_Mdps\_LKAS\_FUNC : 58|1@1+ (1,0) [0|1] "flag" LDWS\_LKAS  
SG\_ CF\_Mdps\_CurrMode : 59|2@1+ (1,0) [0|3] "" LDWS\_LKAS  
SG\_ CF\_Mdps\_Type : 61|2@1+ (1,0) [0|2] "" LDWS\_LKAS,SPAS

BO\_ 896 DI\_BOX13: 8 DI\_BOX

SG\_ CF\_DiBox\_HPreInjVConfStat : 0|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_HPreInjVStat1 : 8|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_HPreInjVStat2 : 16|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_HPreInjVPkp : 24|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_HPreInjVBpt : 32|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_ErrRegFrtMSV : 40|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_ErrRegSedMSV : 48|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_SPIErrSedMSV : 56|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_SPIErrFrtMSV : 57|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_IDErrSedMSV : 58|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_IDErrFrtMSV : 59|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_IniStatMSV : 60|1@1+ (1,0) [0|1] "" EMS

BO\_ 640 EMS13: 8 EMS

SG\_ LV\_FUEL\_TYPE\_ECU : 0|1@1+ (1,0) [0|1] "" BCM,CLU,LPI,SMK  
SG\_ LV\_BFS\_CFIRM : 1|1@1+ (1,0) [0|1] "" LPI  
SG\_ LV\_CRASH : 2|1@1+ (1,0) [0|1] "" LPI  
SG\_ LV\_VB\_OFF\_ACT : 3|1@1+ (1,0) [0|1] "" LPI  
SG\_ LV\_ENG\_TURN : 5|1@1+ (1,0) [0|1] "" LPI  
SG\_ ERR\_FUEL : 8|8@1+ (1,0) [0|255] "" LPI  
SG\_ EOS : 16|8@1+ (1,0) [0|255] "" LPI  
SG\_ TCO : 24|8@1+ (0.75,-48) [-48|143.25] "deg" LPI  
SG\_ N\_32 : 32|8@1+ (32,0) [0|8160] "rpm" LPI  
SG\_ MAF : 40|8@1+ (5.447,0) [0|1388.985] "mg/TDC" LPI  
SG\_ TIA : 48|8@1+ (0.75,-48) [-48|143.25] "deg" LPI

BO\_ 128 EMS\_DCT11: 8 EMS

SG\_ PV\_AV\_CAN : 0|8@1+ (0.3906,0) [0|99.603] "%" TCU  
SG\_ TQ\_STND : 8|6@1+ (10,0) [0|630] "Nm" TCU  
SG\_ F\_N\_ENG : 14|1@1+ (1,0) [0|1] "" TCU  
SG\_ F\_SUB\_TQI : 15|1@1+ (1,0) [0|1] "" TCU  
SG\_ N : 16|16@1+ (0.25,0) [0|16383.75] "rpm" TCU

SG\_ TQI\_ACOR : 32|8@1+ (0.390625,0) [0|99.6094] "%" IB0X,TCU  
SG\_ TQFR : 40|8@1+ (0.390625,0) [0|99.6094] "%" TCU  
SG\_ TQI : 48|8@1+ (0.390625,0) [0|99.609375] "%" TCU  
SG\_ CF\_Ems\_Alive : 56|4@1+ (1,0) [0|15] "" TCU  
SG\_ CF\_Ems\_ChkSum : 60|4@1+ (1,0) [0|15] "" TCU

BO\_ 1407 HU\_MON\_PE\_01: 8 CLU  
SG\_ HU\_Type : 0|8@1+ (1,0) [0|255] "" AVM,PGS

BO\_ 127 CGW5: 8 BCM  
SG\_ C\_StopLampLhOpenSts : 0|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_StopLampRhOpenSts : 1|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_HMSLOpenSts : 2|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_HLampLowLhOpenSts : 3|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_HLampLowRhOpenSts : 4|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_HLampHighLhOpenSts : 5|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_HLampHighRhOpenSts : 6|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_DRLLampLhOpenSts : 7|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_DRLLampRhOpenSts : 8|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearFOGLhOpenSts : 9|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearFOGRhOpenSts : 10|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontFOGLhOpenSts : 11|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontFOGRhOpenSts : 12|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearEXTTailLhOpenSts : 13|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearEXTTailRhOpenSts : 14|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontEXTTailLhOpenSts : 15|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontEXTTailRhOpenSts : 16|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearTSIGLhOpenSts : 17|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_RearTSIGRhOpenSts : 18|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontTSIGLhOpenSts : 19|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_FrontTSIGRhOpenSts : 20|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_SBendingLhOpenSts : 21|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_SBendingRhOpenSts : 22|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_LicensePlateLhOpenSts : 23|1@1+ (1,0) [0|1] "" CLU  
SG\_ C\_LicensePlateRhOpenSts : 24|1@1+ (1,0) [0|1] "" CLU

BO\_ 1151 ESP11: 6 ESC  
SG\_ AVH\_STAT : 0|2@1+ (1,0) [0|3] "" EMS,EPB,TCU  
SG\_ LDM\_STAT : 2|1@1+ (1,0) [0|1] "" EPB,TCU  
SG\_ REQ\_EPB\_ACT : 3|2@1+ (1,0) [0|3] "" EPB,TCU  
SG\_ REQ\_EPB\_STAT : 5|1@1+ (1,0) [0|1] "" EPB  
SG\_ ECD\_ACT : 6|1@1+ (1,0) [0|1] "" EPB  
SG\_ \_4WD\_LIM\_REQ : 7|1@1+ (1,0) [0|1] "" \_4WD,EMS  
SG\_ ROL\_CNT\_ESP : 8|8@1+ (1,0) [0|255] "" EPB,TCU  
SG\_ \_4WD\_TQC\_LIM : 16|16@1+ (1,0) [0|65535] "Nm" \_4WD,EMS  
SG\_ \_4WD\_CLU\_LIM : 32|8@1+ (0.390625,0) [0|99.609375] "%" \_4WD,EMS  
SG\_ \_4WD\_OPEN : 40|2@1+ (1,0) [0|3] "" \_4WD,EMS  
SG\_ \_4WD\_LIM\_MODE : 42|1@1+ (1,0) [0|1] "" \_4WD

BO\_ 1397 HU\_AVM\_E\_00: 8 CLU  
SG\_ HU\_AVM\_Cal\_Cmd : 0|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_Cal\_Method : 4|2@1+ (1,0) [0|3] "" AVM,PGS  
SG\_ HU\_AVM\_Save\_Controlpoint : 6|2@1+ (1,0) [0|3] "" AVM,PGS  
SG\_ HU\_AVM\_PT\_X : 8|12@1+ (1,0) [0|15] "" AVM,PGS

SG\_ HU\_AVM\_RearViewPointOpt : 20|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_PT\_Y : 24|12@1+ (1,0) [0|4095] "" AVM,PGS  
SG\_ HU\_AVM\_FrontViewPointOpt : 36|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_SelectedMenu : 40|5@1+ (1,0) [0|31] "" AVM,PGS  
SG\_ HU\_AVM\_CameraOff : 45|2@1+ (1,0) [0|3] "" AVM,PGS  
SG\_ HU\_AVM\_Option : 48|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_CrossLineMove\_Cmd : 52|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_RearView\_Option : 56|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_FrontView\_Option : 60|4@1+ (1,0) [0|15] "" AVM,PGS

BO\_ 1395 HU\_AVM\_E\_01: 8 CLU

SG\_ HU\_PGSSelectedMenu : 0|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_PGSOOption : 8|5@1+ (1,0) [0|31] "" AVM,PGS  
SG\_ HU\_AVM\_ParkingAssistMenu : 56|4@1+ (1,0) [0|15] "" AVM,PGS  
SG\_ HU\_AVM\_ParkingAssistSB : 60|4@1+ (1,0) [0|15] "" AVM,PGS

BO\_ 1393 OPI11: 5 OPI

SG\_ CR\_Opi\_Spd\_Rpm : 0|8@1+ (20,0) [0|3500] "rpm" TCU  
SG\_ CF\_Opi\_Over\_Temp : 8|1@1+ (1,0) [0|1] "" TCU  
SG\_ CF\_Opi\_Over\_Cur : 9|1@1+ (1,0) [0|1] "" EMS,TCU  
SG\_ CF\_Opi\_Over\_Vol : 10|1@1+ (1,0) [0|1] "" TCU  
SG\_ CF\_Opi\_Hall\_Fail : 11|1@1+ (1,0) [0|1] "" EMS,TCU  
SG\_ CF\_Opi\_Flt : 12|1@1+ (1,0) [0|1] "" EMS,TCU  
SG\_ CF\_Opi\_Motor\_Dir : 15|1@1+ (1,0) [0|1] "" TCU  
SG\_ CF\_Opi\_Romver : 16|8@1+ (1,0) [0|255] "" TCU  
SG\_ CF\_Opi\_PWM\_Rate : 24|12@1+ (1,0) [0|100] "%" TCU

BO\_ 625 LPI11: 8 LPI

SG\_ FUP\_LPG\_MMV : 0|8@1+ (128,0) [0|32640] "hPa" EMS  
SG\_ LV\_FUEL\_TYPE\_BOX : 8|1@1+ (1,0) [0|1] "" EMS  
SG\_ LV\_BFS\_IN\_PROGRESS : 9|1@1+ (1,0) [0|1] "" EMS  
SG\_ LV\_GAS\_OK : 10|1@1+ (1,0) [0|1] "" EMS  
SG\_ LV\_FUP\_ENA\_THD : 11|1@1+ (1,0) [0|1] "" BCM,CLU,EMS,SMK  
SG\_ LPI\_OBD : 12|4@1+ (1,0) [0|15] "" EMS  
SG\_ ERR\_GAS : 16|8@1+ (1,0) [0|255] "" EMS  
SG\_ FAC\_TI\_GAS\_COR : 24|16@1+ (0.0000305,0) [0|1.9988175] "" EMS  
SG\_ FTL\_AFU : 40|8@1+ (0.392,0) [0|99.96] "%" EMS  
SG\_ BFS\_CYL : 48|8@1+ (1,0) [0|6] "Cyl Nr." EMS  
SG\_ LV\_PRE\_CDN\_LEAK : 56|1@1+ (1,0) [0|1] "" EMS  
SG\_ LV\_CONF\_INJECTION\_DELAY : 57|1@1+ (1,0) [0|1] "" EMS  
SG\_ LV\_LPG\_SW\_DRIVER\_REQ : 58|1@1+ (1,0) [0|1] "" EMS

BO\_ 356 VSM11: 4 ESC

SG\_ CR\_Esc\_StrTqReq : 0|12@1+ (0.01,-20.48) [-20.48|20.47] "Nm"  
MDPS

SG\_ CF\_Esc\_Act : 12|1@1+ (1,0) [0|1] "" LDWS\_LKAS,MDPS  
SG\_ CF\_Esc\_CtrMode : 13|3@1+ (1,0) [0|7] "" MDPS  
SG\_ CF\_Esc\_Def : 16|1@1+ (1,0) [0|1] "" MDPS  
SG\_ CF\_Esc\_AliveCnt : 17|4@1+ (1,0) [0|15] "" LDWS\_LKAS,MDPS  
SG\_ CF\_Esc\_Chksum : 24|8@1+ (1,0) [0|255] "" LDWS\_LKAS,MDPS

BO\_ 1379 PGS\_HU\_PE\_01: 8 PGS

SG\_ PGS\_State : 0|4@1+ (1,0) [0|15] "" CLU  
SG\_ PGS\_ParkGuideState : 8|5@1+ (1,0) [0|31] "" CLU

SG\_ PGS\_Option : 16|5@1+ (1,0) [0|31] "" CLU  
SG\_ PGS\_Version : 32|16@1+ (1,0) [0|65535] "" CLU

BO\_ 354 TCU\_DCT13: 3 TCU

SG\_ Clutch\_Driving\_Tq : 0|10@1+ (1,-512) [0|0] "Nm" ESC  
SG\_ Cluster\_Engine\_RPM : 10|13@1+ (0.9766,0) [0|0] "" CLU  
SG\_ Cluster\_Engine\_RPM\_Flag : 23|1@1+ (1,0) [0|0] "" CLU

BO\_ 1378 HUD11: 4 HUD

SG\_ CF\_Hud\_HeightStaus : 0|5@1+ (1,0) [0|31] "" CLU  
SG\_ CF\_Hud\_PBackStatus : 6|2@1+ (1,0) [0|0] "" BCM,CLU  
SG\_ CF\_Hud\_Brightness : 8|5@1+ (1,0) [0|31] "" CLU

BO\_ 608 EMS16: 8 EMS

SG\_ TQI\_MIN : 0|8@1+ (0.390625,0) [0|99.609375] "%" ESC,IBOX,TCU  
SG\_ TQI : 8|8@1+ (0.390625,0) [0|99.609375] "%" ESC,IBOX,TCU  
SG\_ TQI\_TARGET : 16|8@1+ (0.390625,0) [0|99.609375] "%"

EPB,ESC,IBOX,TCU

SG\_ GLOW\_STAT : 24|1@1+ (1,0) [0|1] "" BCM,CLU,IBOX,SMK  
SG\_ CRUISE\_LAMP\_M : 25|1@1+ (1,0) [0|1] "" CLU,IBOX,TCU  
SG\_ CRUISE\_LAMP\_S : 26|1@1+ (1,0) [0|1] "" CLU,IBOX,TCU  
SG\_ PRE\_FUEL\_CUT\_IN : 27|1@1+ (1,0) [0|1] "" IBOX,TCU  
SG\_ ENG\_STAT : 28|3@1+ (1,0) [0|7] ""

ABS,AHLS,AVM,BCM,CLU,EPB,ESC,EVP,FPCM,IBOX,LCA,LDWS\_LKAS,MDPS,SCC,SMK,TCU

SG\_ SOAK\_TIME\_ERROR : 31|1@1+ (1,0) [0|1] "" DATC,EPB,IBOX,TCU  
SG\_ SOAK\_TIME : 32|8@1+ (1,0) [0|255] "Min" \_4WD,DATC,EPB,IBOX,TCU  
SG\_ TQI\_MAX : 40|8@1+ (0.390625,0) [0|99.609375] "%" ESC,IBOX,TCU  
SG\_ SPK\_TIME\_CUR : 48|8@1+ (0.375,-35.625) [-35.625|60] "" IBOX,TCU  
SG\_ Checksum : 56|4@1+ (1,0) [0|15] "" ECS,IBOX,LDWS\_LKAS,MDPS,SCC  
SG\_ AliveCounter : 60|2@1+ (1,0) [0|3] "" IBOX,LDWS\_LKAS,MDPS,SCC  
SG\_ CF\_Ems\_AclAct : 62|2@1+ (1,0) [0|3] "" IBOX,SCC

BO\_ 1371 AVM\_HU\_PE\_00: 8 AVM

SG\_ AVM\_View : 0|5@1+ (1,0) [0|31] "" CLU  
SG\_ AVM\_ParkingAssist\_BtnSts : 5|3@1+ (1,0) [0|7] "" CLU  
SG\_ AVM\_Display\_Message : 8|8@1+ (1,0) [0|255] "" CLU  
SG\_ AVM\_Popup\_Msg : 16|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_Ready : 20|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_ParkingAssist\_Step : 24|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_FrontBtn\_Type : 28|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_Option : 32|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_HU\_FrontViewPointOpt : 36|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_HU\_RearView\_Option : 40|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_HU\_FrontView\_Option : 44|4@1+ (1,0) [0|15] "" CLU  
SG\_ AVM\_Version : 48|16@1+ (1,0) [0|65535] "" CLU

BO\_ 1370 HU\_AVM\_PE\_00: 8 CLU

SG\_ HU\_AVM\_Status : 0|2@1+ (1,0) [0|3] "" AVM,PGS

BO\_ 1369 CGW4: 8 BCM

SG\_ CF\_Gway\_MemoryP1Cmd : 0|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Gway\_MemoryP2Cmd : 1|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Gway\_PBackP1Cmd : 2|1@1+ (1,0) [0|1] "" CLU

SG\_ CF\_Gway\_PBackP2Cmd : 3|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_StrgWhlHeatedState : 4|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_PBackStopCmd : 5|1@1+ (1,0) [0|1] "" CLU,HUD  
 SG\_ CF\_Gway\_StaticBendLhAct : 6|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_StaticBendRhAct : 7|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_DrvWdwStat : 8|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_RLWdwState : 9|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_RRWdwState : 10|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_AstWdwStat : 11|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_MemoryEnable : 12|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_PBACKStopCmd : 13|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_PBACKStop : 14|1@1+ (1,0) [0|1] "" CLU,HUD  
 SG\_ CF\_Gway\_IMSBuzzer : 15|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_DrvSeatBeltInd : 36|2@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_ CF\_Gway\_AstSeatBeltInd : 38|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Gway\_RCSeatBeltInd : 40|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Gway\_RLSeatBeltInd : 42|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Gway\_RRSeatBeltInd : 44|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Gway\_RrWiperHighSw : 46|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Gway\_RrWiperLowSw : 47|1@1+ (1,0) [0|1] "" CLU

#### BO\_ 1367 EngFrzFrm12: 8 EMS

SG\_ PID\_06h : 0|8@1+ (0.78125,-100) [-100|99.22] "%" AAF,IBOX,TCU  
 SG\_ PID\_07h : 8|8@1+ (0.78125,-100) [-100|99.22] "%" AAF,IBOX,TCU  
 SG\_ PID\_08h : 16|8@1+ (0.78125,-100) [-100|99.22] "%" AAF,IBOX,TCU  
 SG\_ PID\_09h : 24|8@1+ (0.78125,-100) [-100|99.22] "%" AAF,IBOX,TCU  
 SG\_ PID\_0Bh : 32|8@1+ (1,0) [0|255] "kPa" AAF,IBOX,TCU  
 SG\_ PID\_23h : 40|16@1+ (10,0) [0|655350] "kPa" AAF,IBOX,TCU

#### BO\_ 1366 EngFrzFrm11: 8 EMS

SG\_ PID\_04h : 0|8@1+ (0.3921568627,0) [0|100] "%" AAF,TCU  
 SG\_ PID\_05h : 8|8@1+ (1,-40) [-40|215] "deg" AAF,TCU  
 SG\_ PID\_0Ch : 16|16@1+ (0.25,0) [0|16383.75] "rpm" AAF,TCU  
 SG\_ PID\_0Dh : 32|8@1+ (1,0) [0|255] "km/h" AAF,TCU  
 SG\_ PID\_11h : 40|8@1+ (0.3921568627,0) [0|100] "%" AAF,TCU  
 SG\_ PID\_03h : 48|16@1+ (1,0) [0|65535] "" AAF,TCU

#### BO\_ 1365 FPCM11: 8 FPCM

SG\_ CR\_Fpcm\_LPActPre : 0|8@1+ (3.137254902,0) [0|800] "kPa" EMS  
 SG\_ CF\_Fpcm\_LPPumpOverCur : 8|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_PreSnrHi : 9|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_PreSnrDisc : 10|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_PreSnrShort : 11|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_LPPumpDiscShort : 12|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_LP\_System\_Error : 13|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_PreSnrSigErr : 14|1@1+ (1,0) [0|1] "" EMS  
 SG\_ CF\_Fpcm\_LPCtrCirFlt : 15|1@1+ (1,0) [0|1] "" EMS

#### BO\_ 852 LVR11: 7 LVR

SG\_ CF\_Lvr\_GearInf : 0|4@1+ (1,0) [0|15] "" CLU,TCU  
 SG\_ CF\_Lvr\_PRelStat : 4|1@1+ (1,0) [0|1] "" BCM,CLU,SMK,TCU  
 SG\_ CF\_Lvr\_BkeAct : 5|1@1+ (1,0) [0|1] "" TCU  
 SG\_ CF\_Lvr\_NFnStat : 6|1@1+ (1,0) [0|1] "" CLU  
 SG\_ CF\_Lvr\_PosInf : 8|4@1+ (1,0) [0|15] "" TCU

SG\_CF\_Lvr\_PosCpl : 12|4@1+ (1,0) [0|15] "" TCU  
 SG\_CF\_Lvr\_UlkButStat : 18|2@1+ (1,0) [0|3] "" TCU  
 SG\_CF\_Lvr\_PNStat : 20|2@1+ (1,0) [0|3] "" CLU  
 SG\_CF\_Lvr\_ShtLkStat : 24|4@1+ (1,0) [0|15] "" TCU  
 SG\_CF\_Lvr\_ShfErrInf : 28|20@1+ (1,0) [0|8191] "" CLU,TCU  
 SG\_CF\_Lvr\_AC : 48|4@1+ (1,0) [0|15] "" TCU  
 SG\_CF\_Lvr\_CS : 52|4@1+ (1,0) [0|15] "" TCU

#### B0\_1363 CGW2: 8 BCM

SG\_CF\_Gway\_GwayDiagState : 0|1@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_CF\_Gway\_DDMDiagState : 1|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_SCMDiagState : 2|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_PSMDiagState : 3|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_SJBDiagState : 4|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_IPMDiagState : 5|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_LDMFail : 6|2@1+ (1,0) [0|3] "" CLU,LDWS\_LKAS,LDWS\_LKAS  
 SG\_CF\_Gway\_CLUSwGuiCtrl : 10|3@1+ (1,0) [0|63] "" CLU,Dummy  
 SG\_CF\_Gway\_CLUSwGroup : 13|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_CLUSwMode : 14|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_CLUSwEnter : 15|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_AutoLightValue : 16|1@1+ (1,0) [0|1] "" LCA,LCA  
 SG\_CF\_Gway\_BrakeFluidSw : 17|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_DrvSeatBeltInd : 18|2@1+ (1,0) [0|3] "" CLU  
 SG\_CF\_Gway\_AvTail : 20|1@1+ (1,0) [0|3] "" CLU,SNV,SNV  
 SG\_CF\_Gway\_RearFogAct : 21|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_ExtTailAct : 22|1@1+ (1,0) [0|1] ""  
 AVM,CLU,LCA,PGS,SPAS,AVM,LCA,PGS,SPAS  
 SG\_CF\_Gway\_RRDrSw : 23|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_RLDrSw : 24|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_IntTailAct : 25|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_CountryCfg : 26|3@1+ (1,0) [0|7] "" AVM,CLU,PGS,Dummy  
 SG\_CF\_Gway\_WiperParkPosition : 32|1@1+ (1,0) [0|1] ""  
 AFLS,EMS,LDWS\_LKAS,AFLS,EMS,LDWS\_LKAS  
 SG\_CF\_Gway\_HLLowLHFail : 33|1@1+ (1,0) [0|1] ""  
 LDWS\_LKAS,SNV,LDWS\_LKAS,SNV  
 SG\_CF\_Gway\_HLLowRHFail : 34|1@1+ (1,0) [0|1] ""  
 LDWS\_LKAS,SNV,LDWS\_LKAS,SNV  
 SG\_CF\_Gway\_ESCLFailWarn : 35|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_ESCLNotLockedWarn : 36|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_ESCLNotUnlockWarn : 37|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_IDoutWarn : 38|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_ImmoLp : 40|1@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_CF\_Gway\_BCMRKEID : 41|3@1+ (1,0) [0|7] "" CLU,Dummy  
 SG\_CF\_Gway\_VehicleNotPWarn : 44|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_DeactivationWarn : 45|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_KeyBATDischargeWarn : 46|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_SSBWarn : 47|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_SMKFobID : 48|3@1+ (1,0) [0|7] "" CLU,Dummy  
 SG\_CF\_Gway\_SMKRKECmd : 51|3@1+ (1,0) [0|7] "" CLU,Dummy  
 SG\_CF\_Gway\_AutoLightOption : 54|1@1+ (1,0) [0|1] "" CLU  
 SG\_CF\_Gway\_SJBDeliveryMode : 55|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_KeyoutLp : 56|1@1+ (1,0) [0|1] "" CLU,Dummy  
 SG\_CF\_Gway\_SMKDispWarn : 57|4@1+ (1,0) [0|15] "" CLU,Dummy  
 SG\_CF\_Gway\_WngBuz : 61|3@1+ (1,0) [0|7] "" CLU,Dummy

BO\_ 339 TCS11: 8 ESC

SG\_ TCS\_REQ : 0|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB,TCU  
SG\_ MSR\_C\_REQ : 1|1@1+ (1,0) [0|1] "" EMS,EPB,SCC,TCU  
SG\_ TCS\_PAS : 2|1@1+ (1,0) [0|1] "" \_4WD,CLU,EMS,SCC,SPAS,TCU  
SG\_ TCS\_GSC : 3|1@1+ (1,0) [0|1] "" \_4WD,EMS,TCU  
SG\_ CF\_Esc\_LimoInfo : 4|2@1+ (1,0) [0|3] "" \_4WD,SCC  
SG\_ ABS\_DIAG : 6|1@1+ (1,0) [0|1] "" \_4WD,CLU,EMS,EPB  
SG\_ ABS\_DEF : 7|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,ECS,EMS,EPB,SCC,SPAS,TCU  
SG\_ TCS\_DEF : 8|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB,SCC,SPAS,TCU  
SG\_ TCS\_CTL : 9|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB,SCC,SPAS,TCU  
SG\_ ABS\_ACT : 10|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,ECS,EMS,EPB,LDWS\_LKAS,SCC,SPAS,TCU  
SG\_ EBD\_DEF : 11|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB,SPAS,TCU  
SG\_ ESP\_PAS : 12|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,CLU,EMS,EPB,LDWS\_LKAS,SCC,TCU  
SG\_ ESP\_DEF : 13|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,ECS,EMS,EPB,LDWS\_LKAS,SCC,TCU  
SG\_ ESP\_CTL : 14|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,ECS,EMS,EPB,LDWS\_LKAS,SCC,SPAS,TCU  
SG\_ TCS\_MFRN : 15|1@1+ (1,0) [0|1] "" EMS,EPB,TCU  
SG\_ DBC\_CTL : 16|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB  
SG\_ DBC\_PAS : 17|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB  
SG\_ DBC\_DEF : 18|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB  
SG\_ HAC\_CTL : 19|1@1+ (1,0) [0|1] "" \_4WD,CLU,EMS,EPB,TCU  
SG\_ HAC\_PAS : 20|1@1+ (1,0) [0|1] "" \_4WD,CLU,EMS,EPB,TCU  
SG\_ HAC\_DEF : 21|1@1+ (1,0) [0|1] "" \_4WD,CLU,EMS,EPB,TCU  
SG\_ ESS\_STAT : 22|2@1+ (1,0) [0|3] "" \_4WD,BCM,CLU,EMS,EPB  
SG\_ TQI\_TCS : 24|8@1+ (0.390625,0) [0|99.609375] "%" EMS,EPB,TCU  
SG\_ TQI\_MSR : 32|8@1+ (0.390625,0) [0|99.609375] "%" EMS,EPB,TCU  
SG\_ TQI\_SLW\_TCS : 40|8@1+ (0.390625,0) [0|99.609375] "%" EMS,EPB,TCU  
SG\_ CF\_Esc\_BrkCtl : 48|1@1+ (1,0) [0|1] "" EMS  
SG\_ BLA\_CTL : 49|2@1+ (1,0) [0|3] "" BCM,CGW,CLU  
SG\_ AliveCounter\_TCS1 : 52|4@1+ (1,0) [0|14] "" EMS,EPB,LDWS\_LKAS  
SG\_ CheckSum\_TCS1 : 56|8@1+ (1,0) [0|255] "" EMS,EPB,LDWS\_LKAS

BO\_ 1362 SNV11: 4 SNV

SG\_ CF\_SNV\_DisplayControl : 0|2@1+ (1,0) [0|3] "" CLU,HUD  
SG\_ CF\_Snv\_BeepWarning : 2|2@1+ (1,0) [0|3] "" CLU,HUD  
SG\_ CF\_Snv\_WarningMessage : 4|3@1+ (1,0) [0|7] "" CLU,HUD  
SG\_ CF\_Snv\_DetectionEnable : 7|1@1+ (1,0) [0|1] "" BCM,CLU,HUD  
SG\_ CF\_Snv\_PedestrianDetect : 8|2@1+ (1,0) [0|3] "" BCM,CLU,HUD  
SG\_ CF\_Snv\_IRLampControl : 10|2@1+ (1,0) [0|3] "" BCM,CLU,HUD

BO\_ 593 MDPS12: 8 MDPS

SG\_ CR\_Mdps\_StrColTq : 0|11@1+ (0.0078125,-8) [-8|7.9921875] "Nm"  
LDWS\_LKAS  
SG\_ CF\_Mdps\_Def : 11|1@1+ (1,0) [0|1] "" ESC  
SG\_ CF\_Mdps\_ToiUnavail : 12|1@1+ (1,0) [0|1] "" LDWS\_LKAS  
SG\_ CF\_Mdps\_ToiActive : 13|1@1+ (1,0) [0|1] "" LDWS\_LKAS  
SG\_ CF\_Mdps\_ToiFlt : 14|1@1+ (1,0) [0|1] "" LDWS\_LKAS  
SG\_ CF\_Mdps\_FailStat : 15|1@1+ (1,0) [0|1] "" LDWS\_LKAS



SG\_ CF\_Mdps\_MsgCount2 : 16|8@1+ (1,0) [0|255] "" ESC,LDWS\_LKAS  
SG\_ CF\_Mdps\_Chksum2 : 24|8@1+ (1,0) [0|255] "" ESC,LDWS\_LKAS  
SG\_ CF\_Mdps\_SErr : 37|1@1+ (1,0) [0|1] "" ESC  
SG\_ CR\_Mdps\_StrTq : 40|12@1+ (0.01,-20.48) [-20.48|20.47] "Nm" ESC  
SG\_ CR\_Mdps\_OutTq : 52|12@1+ (0.1,-204.8) [-204.8|204.7] ""  
ESC,LDWS\_LKAS

BO\_ 1360 IAP11: 3 IAP

SG\_ CF\_Iap\_EcoPmodSwi : 0|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Iap\_EcoPmodAct : 1|1@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Iap\_ReqWarn : 2|2@1+ (1,0) [0|3] "" CLU

BO\_ 1356 TCU\_DCT14: 8 TCU

SG\_ Vehicle\_Stop\_Time : 0|5@1+ (1,0) [0|0] "" CLU  
SG\_ HILL\_HOLD\_WARNING : 5|1@1+ (1,0) [0|0] "" CLU

BO\_ 1353 BAT11: 8 EMS

SG\_ BAT\_SNSR\_I : 0|16@1+ (0.01,-327) [-327|328] "A"  
CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SOC : 16|8@1+ (1,0) [0|100] "%" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SNSR\_V : 24|14@1+ (0.001,6) [6|18] "V" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SNSR\_Temp : 38|9@1- (0.5,-40) [-40|125] "deg"  
CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SNSR\_State : 47|1@1+ (1,0) [0|1] "" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SOH : 48|7@1+ (1,0) [0|100] "%" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SNSR\_Invalid : 55|1@1+ (1,0) [0|1] "" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SOF : 56|7@1+ (0.1,0) [0|12] "V" CGW,CUBIS,IBOX,TMU  
SG\_ BAT\_SNSR\_Error : 63|1@1+ (1,0) [0|1] "" CGW,CUBIS,IBOX,TMU

BO\_ 1351 EMS15: 8 EMS

SG\_ ECGPOvrdr : 0|1@1+ (1,0) [0|1] "" ESC,IBOX,SCC  
SG\_ QECACC : 1|1@1+ (1,0) [0|1] "" ESC,IBOX  
SG\_ ECFail : 2|1@1+ (1,0) [0|1] "" ESC,IBOX  
SG\_ SwitchOffCondExt : 3|1@1+ (1,0) [0|1] "" ESC,IBOX  
SG\_ BLECFail : 4|1@1+ (1,0) [0|1] "" ESC,IBOX  
SG\_ CF\_Ems\_IsaAct : 5|1@1+ (1,0) [0|1] "" CLU  
SG\_ FA\_PV\_CAN : 8|8@1+ (0.3906,0) [0|99.2] "%" IBOX,LDWS\_LKAS,TCU  
SG\_ IntAirTemp : 16|8@1+ (0.75,-48) [-48|143.25] "deg"  
\_4WD,ECS,EPB,IBOX,TCU  
SG\_ STATE\_DC\_OBD : 24|7@1+ (1,0) [0|127] "" IBOX,TCU  
SG\_ INH\_DC\_OBD : 31|1@1+ (1,0) [0|1] "" IBOX,TCU  
SG\_ CTR\_IG\_CYC\_OBD : 32|16@1+ (1,0) [0|65535] "" ACU,IBOX,TCU  
SG\_ CTR\_CDN\_OBD : 48|16@1+ (1,0) [0|65535] "" IBOX,TCU

BO\_ 1350 DI\_BOX12: 8 DI\_BOX

SG\_ CF\_DiBox\_FrtInjVdiagReg0 : 0|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_FrtInjVdiagReg1 : 8|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_FrtInjVdiagReg2 : 16|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_SedInjVdiagReg0 : 24|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_SedInjVdiagReg1 : 32|8@1+ (1,0) [0|255] "" EMS  
SG\_ CF\_DiBox\_SedInjVdiagReg2 : 40|8@1+ (1,0) [0|255] "" EMS  
SG\_ CR\_DiBox\_BatVol : 48|8@1+ (0.1,0) [0|25.5] "V" EMS  
SG\_ CF\_DiBox\_SedInjVchg : 56|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_FrtInjVchg : 57|1@1+ (1,0) [0|1] "" EMS

SG\_ CF\_DiBox\_SedInjVErrSPI : 58|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_DiBox\_FrtInjVErrSPI : 59|1@1+ (1,0) [0|1] "" EMS

BO\_ 1349 EMS14: 8 EMS

SG\_ IMMO\_LAMP\_STAT : 0|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ L\_MIL : 1|1@1+ (1,0) [0|1] "" CLU,CUBIS,IBOX  
SG\_ IM\_STAT : 2|1@1+ (1,0) [0|1] "" CLU,IBOX  
SG\_ AMP\_CAN : 3|5@1+ (10.731613,458.98) [458.98|791.660003] "mmHg"  
CLU,IBOX,TCU,TPMS  
SG\_ BAT\_Alt\_FR\_Duty : 8|8@1+ (0.4,0) [0|100] "%" CGW,CUBIS,IBOX,TMU  
SG\_ VB : 24|8@1+ (0.1015625,0) [0|25.8984375] "V"  
CLU,CUBIS,DATC,EPB,FPCM,IBOX  
SG\_ EMS\_VS : 32|12@1+ (0.0625,0) [0|255.875] "km/h" CLU  
SG\_ TEMP\_FUEL : 56|8@1+ (0.75,-48) [-48|143.25] "deg" FPCM

BO\_ 68 DATC11: 8 DATC

SG\_ CF\_Datc\_Type : 0|8@1+ (1,0) [0|255] "" CLU  
SG\_ CF\_Datc\_VerMaj : 8|8@1+ (1,0) [0|255] "" CLU  
SG\_ CF\_Datc\_VerMin : 16|8@1+ (1,0) [0|255] "" CLU  
SG\_ CR\_Datc\_OutTempC : 24|8@1+ (0.5,-41) [-41|86.5] "deg" CLU,FPCM  
SG\_ CR\_Datc\_OutTempF : 32|8@1+ (1,-42) [-42|213] "deg" CLU  
SG\_ CF\_Datc\_IncarTemp : 40|8@1+ (0.5,-40) [-40|60] "deg" BCM,CLU

BO\_ 67 DATC13: 8 DATC

SG\_ CF\_Datc\_TempDispUnit : 0|2@1+ (1,0) [0|3] "" CLU,IBOX  
SG\_ CF\_Datc\_ModDisp : 2|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Datc\_IonClean : 6|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_ChgReqDisp : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_IntakeDisp : 10|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_AutoDisp : 12|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_FrDefLed : 14|2@1+ (1,0) [0|3] "" CLU,IBOX  
SG\_ CF\_Datc\_AutoDefogBlink : 16|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_ClmScanDisp : 18|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_AqsDisp : 20|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_AcDisp : 22|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_OpSts : 25|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Mtc\_MaxAcDisp : 28|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_DualDisp : 30|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_PwrInf : 32|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Datc\_RearManual : 38|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_RearAutoDisp : 40|2@1+ (1,0) [0|1] "" CLU  
SG\_ CF\_Datc\_RearOffDisp : 42|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_RearClimateScnDisp : 44|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_RearChgReqDisp : 46|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Datc\_RearModDisp : 48|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Datc\_RearBlwDisp : 52|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Datc\_PSMODDisp : 56|4@1+ (1,0) [0|15] "" CLU  
SG\_ CF\_Datc\_FrontBlwDisp : 60|4@1+ (1,0) [0|15] "" CLU,IBOX

BO\_ 66 DATC12: 8 DATC

SG\_ CR\_Datc\_DrTempDispC : 0|8@1+ (0.5,14) [15|32] "deg" CLU,IBOX  
SG\_ CR\_Datc\_DrTempDispF : 8|8@1+ (1,56) [58|90] "00" CLU,IBOX  
SG\_ CR\_Datc\_PsTempDispC : 16|8@1+ (0.5,14) [15|32] "deg" CLU,IBOX  
SG\_ CR\_Datc\_PsTempDispF : 24|8@1+ (1,56) [58|90] "00" CLU,IBOX

SG\_ CR\_Datc\_RearDrTempDispC : 40|8@1+ (0.5,14) [15|32] "deg" CLU  
SG\_ CR\_Datc\_RearDrTempDispF : 48|8@1+ (1,58) [58|90] "00" CLU  
SG\_ CF\_Datc\_CO2\_Warning : 56|8@1+ (1,0) [0|3] "" CLU

BO\_ 1345 CGW1: 8 BCM

SG\_ CF\_Gway\_IGNSw : 0|3@1+ (1,0) [0|7] ""  
AVM, CLU, ECS, EMS, EPB, ESC, IBOX, LVR, MDPS, SAS, SCC, ECS, EMS, EPB, ESC, IBOX, LVR, MDPS, SAS, SCC  
SG\_ CF\_Gway\_RKECmd : 3|3@1+ (1,0) [0|7] ""  
CLU, ECS, EMS, IBOX, ECS, EMS, IBOX  
SG\_ CF\_Gway\_DrvKeyLockSw : 6|1@1+ (1,0) [0|1] ""  
ECS, EMS, IBOX, ECS, EMS, IBOX  
SG\_ CF\_Gway\_DrvKeyUnlockSw : 7|1@1+ (1,0) [0|1] ""  
ECS, EMS, IBOX, ECS, EMS, IBOX  
SG\_ CF\_Gway\_DrvDrSw : 8|2@1+ (1,0) [0|3] ""  
CLU, ECS, EMS, EPB, ESC, IBOX, SCC, TCU, ECS, EMS, EPB, ESC, IBOX, SCC, TCU  
SG\_ CF\_Gway\_DrvSeatBeltSw : 10|2@1+ (1,0) [0|3] ""  
EMS, EPB, ESC, IBOX, PSB, TCU, EMS, EPB, ESC, IBOX, PSB, TCU  
SG\_ CF\_Gway\_TrunkTgSw : 12|2@1+ (1,0) [0|3] ""  
CLU, ECS, EMS, EPB, ESC, IBOX, ECS, EMS, EPB, ESC, IBOX  
SG\_ CF\_Gway\_AstSeatBeltSw : 14|2@1+ (1,0) [0|3] ""  
IBOX, PSB, IBOX, PSB  
SG\_ CF\_Gway\_SMKOption : 16|1@1+ (1,0) [0|1] ""  
CLU, EMS, IBOX, EMS, IBOX, SMK  
SG\_ CF\_Gway\_HoodSw : 17|2@1+ (1,0) [0|3] ""  
CLU, EMS, EPB, ESC, IBOX, EMS, EPB, ESC, IBOX  
SG\_ CF\_Gway\_TurnSigLh : 19|2@1+ (1,0) [0|3] ""  
CLU, EMS, IBOX, LCA, LDWS\_LKAS, SCC, EMS, IBOX, LCA, LDWS\_LKAS, SCC  
SG\_ CF\_Gway\_WiperIntT : 21|3@1+ (1,0) [0|7] ""  
CLU, EMS, IBOX, LDWS\_LKAS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_WiperIntSw : 24|1@1+ (1,0) [0|1] ""  
CLU, EMS, IBOX, LDWS\_LKAS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_WiperLowSw : 25|1@1+ (1,0) [0|1] ""  
CLU, EMS, IBOX, LDWS\_LKAS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_WiperHighSw : 26|1@1+ (1,0) [0|1] ""  
CLU, EMS, IBOX, LDWS\_LKAS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_WiperAutoSw : 27|1@1+ (1,0) [0|1] ""  
CLU, EMS, IBOX, LDWS\_LKAS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_RainSnsState : 28|3@1+ (1,0) [0|7] ""  
AFLS, EMS, IBOX, LDWS\_LKAS, AFLS, EMS, ESC, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_HeadLampLow : 31|1@1+ (1,0) [0|1] ""  
AFLS, CLU, EMS, IBOX, LDWS\_LKAS, SNV, AFLS, EMS, IBOX, LDWS\_LKAS, SNV  
SG\_ CF\_Gway\_HeadLampHigh : 32|1@1+ (1,0) [0|1] ""  
AFLS, CLU, EMS, IBOX, LDWS\_LKAS, AFLS, EMS, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_HazardSw : 33|2@1+ (1,0) [0|3] ""  
ABS, EMS, ESC, IBOX, LCA, LDWS\_LKAS, ABS, EMS, ESC, IBOX, LCA, LDWS\_LKAS  
SG\_ CF\_Gway\_AstDrSw : 35|1@1+ (1,0) [0|1] "" CLU, IBOX, IBOX  
SG\_ CF\_Gway\_DefoggerRly : 36|1@1+ (1,0) [0|1] "" EMS, IBOX, EMS, IBOX  
SG\_ CF\_Gway\_ALightStat : 37|1@1+ (1,0) [0|1] ""  
AFLS, IBOX, LDWS\_LKAS, AFLS, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_LightSwState : 38|2@1+ (1,0) [0|3] ""  
AFLS, IBOX, LDWS\_LKAS, AFLS, IBOX, LDWS\_LKAS  
SG\_ CF\_Gway\_Frt\_Fog\_Act : 40|1@1+ (1,0) [0|1] ""  
AFLS, CLU, IBOX, LDWS\_LKAS, AFLS, IBOX, LDWS\_LKAS

SG\_CF\_Gway\_TSigRHSw : 41|1@1+ (1,0) [0|1] ""  
 IBOX,LDWS\_LKAS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_TSigLHSw : 42|1@1+ (1,0) [0|1] ""  
 IBOX,LDWS\_LKAS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_DriveTypeOption : 43|1@1+ (1,0) [0|1] ""  
 CLU,IBOX,LDWS\_LKAS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_StarterRlyState : 44|1@1+ (1,0) [0|1] ""  
 EMS,IBOX,EMS,IBOX,SMK  
 SG\_CF\_Gway\_PassiveAccessLock : 45|2@1+ (1,0) [0|7] ""  
 CLU,ECS,EMS,IBOX,ECS,EMS,IBOX,SMK  
 SG\_CF\_Gway\_WiperMistSw : 47|1@1+ (1,0) [0|1] ""  
 CLU,EMS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_PassiveAccessUnlock : 48|2@1+ (1,0) [0|7] ""  
 CLU,ECS,EMS,IBOX,ECS,EMS,IBOX,SMK  
 SG\_CF\_Gway\_RrSunRoofOpenState : 50|1@1+ (1,0) [0|1] ""  
 CLU,DATC,IBOX  
 SG\_CF\_Gway\_PassingSW : 51|1@1+ (1,0) [0|1] ""  
 AFLS,IBOX,LDWS\_LKAS,AFLS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_HBAControlMode : 52|1@1+ (1,0) [0|1] ""  
 IBOX,LDWS\_LKAS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_HLpHighSw : 53|1@1+ (1,0) [0|1] ""  
 IBOX,LDWS\_LKAS,IBOX,LDWS\_LKAS  
 SG\_CF\_Gway\_InhibitRMT : 54|2@1+ (1,0) [0|3] ""  
 EMS,EPB,ESC,IBOX,LCA,LDWS\_LKAS,MDPS,PGS,SCC,SPAS,TPMS,EPB,ESC,IBOX,L  
 CA,LDWS\_LKAS,PGS,SCC,SPAS,TPMS  
 SG\_CF\_Gway\_RainSnsOption : 56|1@1+ (1,0) [0|1] "" CLU  
 SG\_C\_SunRoofOpenState : 57|1@1+ (1,0) [0|1] ""  
 CLU,DATC,IBOX,DATC,IBOX  
 SG\_CF\_Gway\_Ign1 : 58|1@1+ (1,0) [0|1] "" CLU  
 SG\_CF\_Gway\_Ign2 : 59|1@1+ (1,0) [0|1] "" CLU  
 SG\_CF\_Gway\_ParkBrakeSw : 60|2@1+ (1,0) [0|3] ""  
 CLU,ESC,IBOX,SCC,ESC,IBOX,SCC  
 SG\_CF\_Gway\_TurnSigRh : 62|2@1+ (1,0) [0|3] ""  
 CLU,EMS,IBOX,LCA,LDWS\_LKAS,SCC,EMS,IBOX,LCA,LDWS\_LKAS,SCC

#### BO\_ 64 DATC14: 8 DATC

SG\_CF\_Datc\_AqsLevelOut : 0|4@1+ (1,0) [0|3] "" CLU  
 SG\_CF\_Datc\_DiagMode : 6|2@1+ (1,0) [0|3] "" CLU  
 SG\_CR\_Datc\_SelfDiagCode : 8|8@1+ (1,-1) [0|254] "" CLU  
 SG\_DATC\_SyncDisp : 16|4@1+ (1,0) [0|3] "" CLU  
 SG\_DATC\_OffDisp : 20|2@1+ (1,0) [0|3] "" CLU  
 SG\_DATC\_SmartVentDisp : 22|2@1+ (1,0) [0|3] "" CLU  
 SG\_DATC\_SmartVentOnOffStatus : 24|2@1+ (1,0) [0|3] "" CLU  
 SG\_DATC\_AutoDefogSysOff\_Disp : 26|2@1+ (1,0) [0|3] "" CLU  
 SG\_DATC\_ADSDisp : 28|2@1+ (1,0) [0|3] "" CLU

#### BO\_ 832 LKAS11: 8 LDWS\_LKAS

SG\_CF\_Lkas\_LdwsSysState : 2|4@1+ (1,0) [0|15] "" CLU,IBOX,PSB  
 SG\_CF\_Lkas\_SysWarning : 6|4@1+ (1,0) [0|15] "" BCM,CLU  
 SG\_CF\_Lkas\_LdwsLHWarning : 10|2@1+ (1,0) [0|3] "" BCM,CLU,PSB  
 SG\_CF\_Lkas\_LdwsRHWarning : 12|2@1+ (1,0) [0|3] "" BCM,CLU,PSB  
 SG\_CF\_Lkas\_HbaLamp : 14|1@1+ (1,0) [0|1] "" CLU  
 SG\_CF\_Lkas\_FcwBasReq : 15|1@1+ (1,0) [0|1] "" ABS,ESC  
 SG\_CR\_Lkas\_StrToqReq : 16|11@1+ (0.0078125,-8) [-8|8] "Nm" MDPS

SG\_ CF\_Lkas\_ActToi : 27|1@1+ (1,0) [0|1] "" MDPS  
 SG\_ CF\_Lkas\_ToiFlt : 28|1@1+ (1,0) [0|1] "" MDPS  
 SG\_ CF\_Lkas\_HbaSysState : 29|3@1+ (1,0) [0|7] "" BCM,CLU  
 SG\_ CF\_Lkas\_FcwOpt : 32|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Lkas\_HbaOpt : 34|1@1+ (1,0) [0|1] "" BCM,CGW  
 SG\_ CF\_Lkas\_MsgCount : 36|4@1+ (1,0) [0|15] "" CLU,MDPS  
 SG\_ CF\_Lkas\_FcwSysState : 40|3@1+ (1,0) [0|7] "" CLU  
 SG\_ CF\_Lkas\_FcwCollisionWarning : 43|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Lkas\_FusionState : 45|2@1+ (1,0) [0|3] "" SCC  
 SG\_ CF\_Lkas\_Chksum : 48|8@1+ (1,0) [0|255] "" MDPS  
 SG\_ CF\_Lkas\_FcwOpt\_USM : 56|3@1+ (1,0) [0|7] "" CLU  
 SG\_ CF\_Lkas\_LdwsOpt\_USM : 59|3@1+ (1,0) [0|7] "" CLU,MDPS

#### BO\_ 1342 LKAS12: 6 LDWS\_LKAS

SG\_ CF\_Lkas\_TsrSlifOpt : 10|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_LkasTsrStatus : 12|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Lkas\_TsrSpeed\_Display\_Clu : 16|8@1+ (1,0) [0|255] "" CLU  
 SG\_ CF\_LkasTsrSpeed\_Display\_Navi : 24|8@1+ (1,0) [0|255] "" BCM,CLU  
 SG\_ CF\_Lkas\_TsrAddinfo\_Display : 32|2@1+ (1,0) [0|3] "" CLU

#### BO\_ 1338 TMU\_GW\_E\_01: 8 CLU

SG\_ CF\_Gway\_TeleReqDrLock : 0|2@1+ (1,0) [0|3] "" BCM  
 SG\_ CF\_Gway\_TeleReqDrUnlock : 2|2@1+ (1,0) [0|3] "" BCM  
 SG\_ CF\_Gway\_TeleReqHazard : 4|2@1+ (1,0) [0|3] "" BCM  
 SG\_ CF\_Gway\_TeleReqHorn : 6|2@1+ (1,0) [0|3] "" BCM  
 SG\_ CF\_Gway\_TeleReqEngineOperate : 8|2@1+ (1,0) [0|3] "" BCM

#### BO\_ 1078 PAS11: 4 BCM

SG\_ CF\_Gway\_PASDisplayFLH : 0|3@1+ (1,0) [0|7] "" AVM,CLU,AVM  
 SG\_ CF\_Gway\_PASDisplayFRH : 3|3@1+ (1,0) [0|7] "" AVM,CLU,AVM  
 SG\_ CF\_Gway\_PASRsound : 6|2@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_ CF\_Gway\_PASDisplayFCTR : 8|3@1+ (1,0) [0|7] "" AVM,CLU,AVM  
 SG\_ CF\_Gway\_PASDisplayRCTR : 11|3@1+ (1,0) [0|7] "" AVM,CLU,PGS,AVM  
 SG\_ CF\_Gway\_PASFsound : 14|2@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_ CF\_Gway\_PASDisplayRLH : 16|3@1+ (1,0) [0|7] "" AVM,CLU,PGS,AVM  
 SG\_ CF\_Gway\_PASDisplayRRH : 19|3@1+ (1,0) [0|7] "" AVM,CLU,PGS,AVM  
 SG\_ CF\_Gway\_PASCheckSound : 22|2@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_ CF\_Gway\_PASSystemOn : 24|2@1+ (1,0) [0|3] "" CLU,Dummy  
 SG\_ CF\_Gway\_PASOption : 26|2@1+ (1,0) [0|3] "" CLU  
 SG\_ CF\_Gway\_PASDistance : 28|1@1+ (1,0) [0|1] "" CLU

#### BO\_ 48 EMS18: 6 EMS

SG\_ CF\_Ems\_DC1NumPerMSV : 0|8@1+ (1,0) [0|255] "" DI\_BOX  
 SG\_ CF\_Ems\_DC2NumPerMSV : 8|16@1+ (1,0) [0|65535] "" DI\_BOX  
 SG\_ CR\_Ems\_DutyCyc1MSV : 24|8@1+ (0.1953,0) [0|49.8] "%" DI\_BOX  
 SG\_ CR\_Ems\_DutyCyc2MSV : 32|8@1+ (0.13725,0) [0|35] "%" DI\_BOX  
 SG\_ CR\_Ems\_DutyCyc3MSV : 40|8@1+ (0.392,0) [0|100] "%" DI\_BOX

#### BO\_ 1322 CLU15: 8 CLU

SG\_ CF\_Clu\_VehicleSpeed : 0|8@1+ (1,0) [0|255] "" BCM  
 SG\_ CF\_Clu\_InhibitP : 9|1@1+ (1,0) [0|1] "" BCM  
 SG\_ CF\_Clu\_InhibitR : 10|1@1+ (1,0) [0|1] "" BCM  
 SG\_ CF\_Clu\_InhibitN : 11|1@1+ (1,0) [0|1] "" BCM  
 SG\_ CF\_Clu\_InhibitD : 12|1@1+ (1,0) [0|1] "" BCM

SG\_ CF\_Clu\_HudInfoSet : 13|7@1+ (1,0) [0|127] "" HUD  
SG\_ CF\_Clu\_HudFontColorSet : 20|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_HudBrightUpSW : 22|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_HudBrightDnSW : 24|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_HudHeightUpSW : 26|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_HudHeightDnSW : 28|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_HudSet : 30|1@1+ (1,0) [0|1] "" HUD  
SG\_ CF\_Clu\_HudFontSizeSet : 31|2@1+ (1,0) [0|3] "" HUD  
SG\_ CF\_Clu\_LanguageInfo : 33|5@1+ (1,0) [0|31] "" BCM,PGS  
SG\_ CF\_Clu\_ClusterSound : 38|1@1- (1,0) [0|0] "" BCM,CGW,FATC

BO\_ 1066 \_4WD13: 6 \_4WD

SG\_ \_4WD\_CURRENT : 0|8@1+ (0.390625,0) [-50|50] "A" TCU  
SG\_ \_4WD\_POSITION : 8|16@1+ (0.015625,0) [-180|180] "Deg" TCU  
SG\_ \_4WD\_CLU\_THERM\_STR : 24|8@1+ (1,0) [0|100] "%" TCU  
SG\_ \_4WD\_STATUS : 32|8@1+ (1,0) [0|15] "" ESC,TCU

BO\_ 1065 \_4WD12: 8 \_4WD

SG\_ Ster\_Pos : 0|16@1+ (1,-600) [-600|600] "Deg" ESC  
SG\_ FRSS : 16|8@1+ (1,0) [0|254] "km/h" ESC  
SG\_ FLSS : 24|8@1+ (1,0) [0|254] "km/h" ESC  
SG\_ RRSS : 32|8@1+ (1,0) [0|254] "km/h" ESC  
SG\_ RLSS : 40|8@1+ (1,0) [0|254] "km/h" ESC  
SG\_ CLU\_PRES : 48|16@1+ (0.0625,-50) [-50|50] "Bar" ESC

BO\_ 809 EMS12: 8 EMS

SG\_ TEMP\_ENG : 8|8@1+ (0.75,-48) [-48|143.25] "deg"  
\_4WD,BCM,CLU,DATC,EPB,ESC,IBOX,SMK,TCU  
SG\_ MAF\_FAC\_ALTI\_MMV : 16|8@1+ (0.00781,0) [0|1.99155] "" IBOX,TCU  
SG\_ VB\_OFF\_ACT : 24|1@1+ (1,0) [0|1] "" IBOX,TCU  
SG\_ ACK\_ES : 25|1@1+ (1,0) [0|1] "" \_4WD,ACU,IBOX  
SG\_ CONF\_MIL\_FMY : 26|3@1+ (1,0) [0|7] "" ESC,IBOX,TCU  
SG\_ OD\_OFF\_REQ : 29|1@1+ (1,0) [0|1] "" IBOX,TCU  
SG\_ ACC\_ACT : 30|1@1+ (1,0) [0|1] ""  
\_4WD,ABS,CLU,ESC,IAP,IBOX,SCC,TCU  
SG\_ CLU\_ACK : 31|1@1+ (1,0) [0|1] "" \_4WD,EPB,ESC,IBOX  
SG\_ BRAKE\_ACT : 32|2@1+ (1,0) [0|3] ""  
\_4WD,ABS,ACU,AFLS,CLU,DATC,ECS,EPB,ESC,IBOX,LDWS\_LKAS,TCU  
SG\_ ENG\_CHR : 34|4@1+ (1,0) [0|15] ""  
\_4WD,ABS,ACU,CLU,DATC,EPB,ESC,FATC,IBOX,SCC,SMK,TCU  
SG\_ GP\_CTL : 38|2@1+ (1,0) [0|3] "" IBOX  
SG\_ TPS : 40|8@1+ (0.4694836,-15.0234742) [-15.0234742|104.6948357]  
"" \_4WD,ABS,ACU,CLU,DATC,ECS,EPB,ESC,IBOX,TCU  
SG\_ PV\_AV\_CAN : 48|8@1+ (0.3906,0) [0|99.603] ""  
\_4WD,AAF,ABS,ACU,AFLS,CLU,DATC,EPB,ESC,IAP,IBOX,LDWS\_LKAS,SCC,TCU  
SG\_ ENG\_VOL : 56|8@1+ (0.1,0) [0|25.5] "liter"  
\_4WD,ABS,ACU,BCM,CLU,DATC,EPB,ESC,IBOX,LDWS\_LKAS,SCC,SMK

BO\_ 1064 \_4WD11: 8 \_4WD

SG\_ \_4WD\_TYPE : 0|2@1+ (1,0) [0|3] "" ACU,ESC,TPMS  
SG\_ \_4WD\_SUPPORT : 2|2@1+ (1,0) [0|3] "" ABS,ESC,TPMS  
SG\_ \_4WD\_ERR : 8|8@1+ (1,0) [0|255] "" CLU,ESC  
SG\_ CLU\_DUTY : 16|8@1+ (1,0) [0|64] "" ABS,ESC  
SG\_ R\_TIRE : 24|8@1+ (1,200) [200|455] "mm" ABS,ESC,TPMS

SG\_ \_4WD\_SW : 32|8@1+ (1,0) [0|9.9] "" ESC  
SG\_ \_2H\_ACT : 40|1@1+ (1,0) [0|1] "" ABS,ESC  
SG\_ \_4H\_ACT : 41|1@1+ (1,0) [0|1] "" ABS,CLU,ESC,TPMS  
SG\_ LOW\_ACT : 42|1@1+ (1,0) [0|1] "" ABS,ESC,TCU,TPMS  
SG\_ AUTO\_ACT : 43|1@1+ (1,0) [0|1] "" ABS,ESC,TPMS  
SG\_ LOCK\_ACT : 44|1@1+ (1,0) [0|1] "" ABS,CLU,ESC,TPMS  
SG\_ \_4WD\_TQC\_CUR : 48|16@1+ (1,0) [0|65535] "Nm" ABS,ESC

BO\_ 1319 HU\_GW\_E\_01: 8 CLU

SG\_ C\_ADrLNValueSet : 0|3@1+ (1,0) [0|7] "" BCM  
SG\_ C\_ADrUNValueSet : 4|3@1+ (1,0) [0|7] "" BCM  
SG\_ C\_TwUnNValueSet : 8|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_ABuzzerNValueSet : 10|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_ArmWKeyNValueSet : 12|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_PSMNValueSet : 14|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_SCMNValueSet : 16|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_HLEscortNValueSet : 18|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_WELNValueSet : 20|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_TriTurnLNValueSet : 22|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_SNVWarnNValueSet : 24|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_LkasWarnNValueSet : 26|2@1+ (1,0) [0|3] "" BCM

BO\_ 1318 HU\_GW\_E\_00: 8 CLU

SG\_ C\_ADrLURValueReq : 0|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_TwUnRValueReq : 2|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_AlarmRValueReq : 4|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_IMSRValueReq : 6|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_HLEscortRValueReq : 8|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_WELRValueReq : 10|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_TriTurnLRValueReq : 12|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_SNVWarnRValueReq : 14|2@1+ (1,0) [0|3] "" BCM  
SG\_ C\_LkasWarnRValueReq : 16|2@1+ (1,0) [0|3] "" BCM

BO\_ 1317 GW\_HU\_E\_01: 8 BCM

SG\_ C\_ADrLRValue : 0|3@1+ (1,0) [0|7] "" CLU  
SG\_ C\_ADrURValue : 4|3@1+ (1,0) [0|7] "" CLU  
SG\_ C\_TwUnRValue : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_ABuzzerRValue : 10|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_ArmWKeyRValue : 12|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_PSMRValue : 14|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SCMRValue : 16|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_HLEscortRValue : 18|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_WELRValue : 20|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_TriTurnLRValue : 22|2@1+ (1,0) [0|3] "" CLU

BO\_ 1316 GW\_HU\_E\_00: 8 BCM

SG\_ C\_ADrLUNValueConf : 0|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_TwUnNValueConf : 2|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_AlarmNValueConf : 4|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_PSMNValueConf : 6|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SCMNValueConf : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_HLEscortNValueConf : 10|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_WELNValueConf : 12|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_TriTurnLNValueConf : 14|2@1+ (1,0) [0|3] "" CLU

BO\_ 1315 GW\_SWRC\_PE: 8 BCM

SG\_ C\_ModeSW : 2|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_MuteSW : 4|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SeekDnSW : 6|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SeekUpSW : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_BTPhoneCallSW : 10|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_BTPhoneHangUpSW : 12|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_DISCDownSW : 14|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_DISCUpSW : 16|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SdsSW : 18|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_MTSSW : 20|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_VolDnSW : 22|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_VolUpSW : 24|2@1+ (1,0) [0|3] "" CLU

BO\_ 1314 GW\_IPM\_PE\_1: 8 BCM

SG\_ C\_AV\_Tail : 0|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_ParkingBrakeSW : 2|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_RKECMD : 4|4@1+ (1,0) [0|15] "" CLU  
SG\_ C\_BAState : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_IGNSW : 12|3@1+ (1,0) [0|7] "" CLU  
SG\_ C\_CountryCfg : 16|3@1+ (1,0) [0|7] "" CLU  
SG\_ C\_TailLampActivity : 26|2@1+ (1,0) [0|3] "" CLU  
SG\_ RearSW\_RSELockOnOff : 28|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SMKTeleCrankingState : 32|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_SMKTeleCrankingFailRes : 34|2@1+ (1,0) [0|3] "" CLU

BO\_ 1057 SCC12: 8 SCC

SG\_ CF\_VSM\_Prefill : 0|1@1+ (1,0) [0|1] "" ESC  
SG\_ CF\_VSM\_DecCmdAct : 1|1@1+ (1,0) [0|1] "" ESC  
SG\_ CF\_VSM\_HBACmd : 2|2@1+ (1,0) [0|3] "" ESC  
SG\_ CF\_VSM\_Warn : 4|2@1+ (1,0) [0|3] "" CLU,ESC,IAP  
SG\_ CF\_VSM\_Stat : 6|2@1+ (1,0) [0|3] "" CLU,ESC,PSB  
SG\_ CF\_VSM\_BeltCmd : 8|3@1+ (1,0) [0|7] "" ESC,PSB  
SG\_ ACCFailInfo : 11|2@1+ (1,0) [0|3] "" CLU,CUBIS,ESC,IBOX  
SG\_ ACCMode : 13|2@1+ (1,0) [0|3] "" CLU,ESC,IBOX,TCU  
SG\_ StopReq : 15|1@1+ (1,0) [0|1] "" EPB,ESC  
SG\_ CR\_VSM\_DecCmd : 16|8@1+ (0.01,0) [0|2.55] "g" ESC  
SG\_ aReqMax : 24|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2"

EMS,ESC,TCU

SG\_ TakeOverReq : 35|1@1+ (1,0) [0|1] "" CLU,ESC,TCU  
SG\_ PreFill : 36|1@1+ (1,0) [0|1] "" ESC,TCU  
SG\_ aReqMin : 37|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2"

EMS,ESC,TCU

SG\_ CF\_VSM\_ConfMode : 48|2@1+ (1,0) [0|3] "" CLU,ESC  
SG\_ AEB\_Failinfo : 50|2@1+ (1,0) [0|3] "" CLU,ESC  
SG\_ AEB\_Status : 52|2@1+ (1,0) [0|3] "" CLU,ESC  
SG\_ AEB\_CmdAct : 54|1@1+ (1,0) [0|1] "" ESC  
SG\_ AEB\_StopReq : 55|1@1+ (1,0) [0|1] "" CLU,ESC  
SG\_ CR\_VSM\_Alive : 56|4@1+ (1,0) [0|15] "" ESC,PSB  
SG\_ CR\_VSM\_ChkSum : 60|4@1+ (1,0) [0|15] "" ESC,PSB

BO\_ 1313 GW\_DDM\_PE: 8 BCM

SG\_ C\_DRVDoorStatus : 0|2@1+ (1,0) [0|3] "" CLU



SG\_ C\_ASTDoorStatus : 2|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_RLDoorStatus : 4|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_RRDoorStatus : 6|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_TrunkStatus : 8|2@1+ (1,0) [0|3] "" CLU  
SG\_ C\_OSMirrorStatus : 10|2@1+ (1,0) [0|3] "" CLU

BO\_ 1056 SCC11: 8 SCC

SG\_ MainMode\_ACC : 0|1@1+ (1,0) [0|1] "" CLU,EMS,ESC  
SG\_ SCCInfoDisplay : 1|3@1+ (1,0) [0|7] "" CLU,ESC  
SG\_ AliveCounterACC : 4|4@1+ (1,0) [0|15] "" CLU,EMS,ESC,TCU  
SG\_ VSetDis : 8|8@1+ (1,0) [0|255] "km/h or MPH" CLU,ESC,TCU  
SG\_ ObjValid : 16|1@1+ (1,0) [0|1] "" CLU,ESC,TCU  
SG\_ DriverAlertDisplay : 17|2@1+ (1,0) [0|3] "" CLU,ESC  
SG\_ TauGapSet : 19|3@1+ (1,0) [0|7] "" CLU,ESC,TCU  
SG\_ ACC\_ObjStatus : 22|2@1+ (1,0) [0|3] "" ABS,ESC  
SG\_ ACC\_ObjLatPos : 24|9@1+ (0.1,-20) [-20|31.1] "m" ABS,ESC  
SG\_ ACC\_ObjDist : 33|11@1+ (0.1,0) [0|204.7] "m" ABS,ESC  
SG\_ ACC\_ObjRelSpd : 44|12@1+ (0.1,-170) [-170|239.5] "m/s" ABS,ESC  
SG\_ Navi\_SCC\_Curve\_Status : 56|2@1+ (1,0) [0|3] "" CLU  
SG\_ Navi\_SCC\_Curve\_Act : 58|2@1+ (1,0) [0|3] "" CLU  
SG\_ Navi\_SCC\_Camera\_Act : 60|2@1+ (1,0) [0|3] "" CLU  
SG\_ Navi\_SCC\_Camera\_Status : 62|2@1+ (1,0) [0|3] "" CLU

BO\_ 1312 CGW3: 8 BCM

SG\_ CR\_Photosensor\_LH : 0|8@1+ (78.125,0) [0|20000] "" DATC,DATC  
SG\_ CR\_Photosensor\_RH : 10|8@1+ (78.125,0) [0|20000] "" DATC,DATC  
SG\_ CF\_Hoodsw\_memory : 22|2@1+ (1,0) [0|3] "" EMS,EMS  
SG\_ C\_MirOutTempSns : 24|8@1+ (0.5,-40.5) [-40|60] "deg"  
AAF,CLU,DATC,EMS,SPAS,AAF,DATC,EMS,SPAS

BO\_ 544 ESP12: 8 ESC

SG\_ LAT\_ACCEL : 0|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2"  
\_4WD,ECS,IBOX,LCA,LDWS\_LKAS,MDPS,PSB,SCC,TCU  
SG\_ LAT\_ACCEL\_STAT : 11|1@1+ (1,0) [0|1] ""  
\_4WD,IBOX,LDWS\_LKAS,MDPS,PSB,SCC,TCU  
SG\_ LAT\_ACCEL\_DIAG : 12|1@1+ (1,0) [0|1] ""  
\_4WD,IBOX,LDWS\_LKAS,MDPS,PSB,SCC,TCU  
SG\_ LONG\_ACCEL : 13|11@1+ (0.01,-10.23) [-10.23|10.24] "m/s^2"  
\_4WD,ECS,EMS,EPB,IBOX,LCA,LDWS\_LKAS,PSB,SCC,SPAS,TCU  
SG\_ LONG\_ACCEL\_STAT : 24|1@1+ (1,0) [0|1] ""  
\_4WD,EMS,EPB,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,TCU  
SG\_ LONG\_ACCEL\_DIAG : 25|1@1+ (1,0) [0|1] ""  
\_4WD,EMS,EPB,IBOX,LDWS\_LKAS,PSB,SCC,SPAS,TCU  
SG\_ CYL\_PRES : 26|12@1+ (0.1,0) [0|409.5] "Bar"  
\_4WD,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PSB,SCC,TCU  
SG\_ CYL\_PRES\_STAT : 38|1@1+ (1,0) [0|1] ""  
\_4WD,ECS,EMS,EPB,IBOX,LDWS\_LKAS,PSB,SCC,TCU  
SG\_ CYL\_PRESS\_DIAG : 39|1@1+ (1,0) [0|1] ""  
\_4WD,ECS,EMS,EPB,IBOX,PSB,SCC,TCU  
SG\_ YAW\_RATE : 40|13@1+ (0.01,-40.95) [-40.95|40.96] ""  
\_4WD,AFLS,IBOX,LCA,LDWS\_LKAS,MDPS,PSB,SCC,SPAS,TCU  
SG\_ YAW\_RATE\_STAT : 53|1@1+ (1,0) [0|1] ""  
\_4WD,AFLS,IBOX,LCA,LDWS\_LKAS,MDPS,PSB,SCC,SPAS,TCU  
SG\_ YAW\_RATE\_DIAG : 54|1@1+ (1,0) [0|1] ""

\_4WD,AFLS,IBOX,LCA,LDWS\_LKAS,MDPS,PSB,SCC,SPAS,TCU  
SG\_ESP12\_AliveCounter : 56|4@1+ (1,0) [0|15] ""  
\_4WD,EMS,LPI,TCU,TMU  
SG\_ESP12\_Checksum : 60|4@1+ (1,0) [0|15] "" \_4WD,EMS,LPI,TCU,TMU

BO\_1307 CLU16: 8 CLU  
SG\_CF\_Clu\_TirePressUnitNValueSet : 0|3@1+ (1,0) [0|7] "" TPMS  
SG\_CF\_Clu\_SlifNValueSet : 3|2@1+ (1,0) [0|3] "" LDWS\_LKAS  
SG\_CF\_Clu\_RearWiperNValueSet : 12|2@1+ (1,0) [0|3] "" BCM

BO\_790 EMS11: 8 EMS  
SG\_SWI\_IGK : 0|1@1+ (1,0) [0|1] ""  
\_4WD,ABS,ACU,AHLS,CUBIS,DI\_BOX,ECS,EPB,ESC,IBOX,LDWS\_LKAS,MDPS,REA,AS,SCC,TCU  
SG\_F\_N\_ENG : 1|1@1+ (1,0) [0|1] ""  
\_4WD,ACU,AFLS,CLU,CUBIS,DATC,ECS,EPB,ESC,IBOX,MDPS,SCC,TCU  
SG\_ACK\_TCS : 2|1@1+ (1,0) [0|1] "" ESC,IBOX  
SG\_PUC\_STAT : 3|1@1+ (1,0) [0|1] "" \_4WD,CLU,DATC,IBOX,TCU  
SG\_TQ\_COR\_STAT : 4|2@1+ (1,0) [0|3] "" \_4WD,ESC,IBOX,TCU  
SG\_RLY\_AC : 6|1@1+ (1,0) [0|1] "" DATC,IBOX,TCU  
SG\_F\_SUB\_TQI : 7|1@1+ (1,0) [0|1] "" \_4WD,ECS,EPB,ESC,IBOX,TCU  
SG\_TQI\_ACOR : 8|8@1+ (0.390625,0) [0|99.6094] "%"  
\_4WD,EPB,ESC,IBOX,TCU  
SG\_N : 16|16@1+ (0.25,0) [0|16383.75] "rpm"  
\_4WD,ACU,AFLS,CLU,CUBIS,DATC,ECS,EPB,ESC,FPCM,IBOX,MDPS,SCC,TCU  
SG\_TQI : 32|8@1+ (0.390625,0) [0|99.6094] "%"  
\_4WD,ECS,EPB,ESC,IBOX,TCU  
SG\_TQFR : 40|8@1+ (0.390625,0) [0|99.6094] "%"  
\_4WD,EPB,ESC,IBOX,TCU  
SG\_VS : 48|8@1+ (1,0) [0|254] "km/h"  
\_4WD,AAF,ACU,AHLS,BCM,CLU,DATC,ECS,EPB,IBOX,LCA,LDWS\_LKAS,LVR,MDPS,DS,SCC,SMK,SPAS,TCU,TPMS  
SG\_RATIO\_TQI\_BAS\_MAX\_STND : 56|8@1+ (0.0078,0) [0|2] ""  
\_4WD,IBOX,TCU

BO\_1301 CLU14: 8 CLU  
SG\_CF\_Clu\_ADrUNValueSet : 0|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_ADrLNValueSet : 3|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_EscortHLNValueSet : 6|2@1+ (1,0) [0|3] "" BCM  
SG\_CF\_Clu\_DoorLSNValueSet : 8|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_PSMNValueSet : 11|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_TTUnlockNValueSet : 14|2@1+ (1,0) [0|3] "" BCM  
SG\_CF\_Clu\_PTGMNValueSet : 16|2@1+ (1,0) [0|3] "" BCM  
SG\_CF\_Clu\_SCMNValueSet : 18|2@1+ (1,0) [0|3] "" BCM  
SG\_CF\_Clu\_WlightNValueSet : 20|2@1+ (1,0) [0|3] "" BCM  
SG\_CF\_Clu\_TempUnitNValueSet : 22|2@1+ (1,0) [0|3] "" BCM,DATC  
SG\_CF\_Clu\_MoodLpNValueSet : 24|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_TrFChgSet : 27|2@1+ (1,0) [0|3] "" AFLS  
SG\_CF\_Clu\_OTTurnNValueSet : 29|3@1+ (1,0) [0|7] "" BCM  
SG\_CF\_Clu\_LcaNValueSet : 32|2@1+ (1,0) [0|3] "" LCA  
SG\_CF\_Clu\_RctaNValueSet : 34|2@1+ (1,0) [0|3] "" LCA  
SG\_CF\_Clu\_RcwNValueSet : 36|2@1+ (1,0) [0|3] "" LCA  
SG\_CF\_Clu\_EscOffNValueSet : 38|3@1+ (1,0) [0|7] "" ESC  
SG\_CF\_Clu\_SccNaviCrvNValueSet : 41|2@1+ (1,0) [0|3] "" SCC

SG\_ CF\_Clu\_SccNaviCamNValueSet : 43|2@1+ (1,0) [0|3] "" SCC  
 SG\_ CF\_Clu\_SccAebNValueSet : 45|2@1+ (1,0) [0|3] "" SCC  
 SG\_ CF\_Clu\_LkasModeNValueSet : 47|2@1+ (1,0) [0|3] "" LDWS\_LKAS  
 SG\_ CF\_Clu\_FcwNValueSet : 51|2@1+ (1,0) [0|3] "" LDWS\_LKAS  
 SG\_ CF\_Clu\_PasSpkrLvNValueSet : 53|3@1+ (1,0) [0|7] "" BCM  
 SG\_ CF\_Clu\_SccDrvModeNValueSet : 56|3@1+ (1,0) [0|7] "" SCC  
 SG\_ CF\_Clu\_HANBNValueSet : 59|2@1+ (1,0) [0|3] "" BCM  
 SG\_ CF\_Clu\_HfreeTrunkTgNValueSet : 61|3@1+ (1,0) [0|7] "" BCM

#### BO\_ 275 TCU13: 8 TCU

SG\_ N\_TGT\_LUP : 0|8@1+ (10,500) [500|3040] "rpm" EMS,IBOX  
 SG\_ SLOPE\_TCU : 8|6@1+ (0.5,-16) [-16|15.5] "%" CLU,CUBIS,EMS,IBOX  
 SG\_ CF\_Tcu\_InhCda : 14|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_IsgInhib : 15|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_BkeOnReq : 16|2@1+ (1,0) [0|3] "" EMS,IBOX  
 SG\_ CF\_Tcu\_NCStat : 18|2@1+ (1,0) [0|3] "" EMS,IBOX  
 SG\_ CF\_Tcu\_TarGr : 20|4@1+ (1,0) [0|15] ""  
 \_4WD, CLU, DATC, EMS, EPB, ESC, IBOX, SCC  
 SG\_ CF\_Tcu\_ShfPatt : 24|4@1+ (1,0) [0|15] "" CLU,CUBIS,EMS,IBOX  
 SG\_ CF\_Tcu\_InhVis : 28|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_PRelReq : 29|1@1+ (1,0) [0|1] "" IBOX,LVR  
 SG\_ CF\_Tcu\_ITPhase : 30|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_ActEcoRdy : 31|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_TqGrdLim : 32|8@1+ (10,0) [0|2540] "Nm/s" EMS,IBOX  
 SG\_ CR\_Tcu\_IsgTgtRPM : 40|8@1+ (20,0) [0|3500] "rpm" EMS,IBOX  
 SG\_ CF\_Tcu\_SptRdy : 48|1@1+ (1,0) [0|1] "" CLU,IBOX  
 SG\_ CF\_Tcu\_SbwPInfo : 56|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ CF\_Tcu\_Alive3 : 58|2@1+ (1,0) [0|3] "" EMS,IBOX  
 SG\_ CF\_Tcu\_ChkSum3 : 60|4@1+ (1,0) [0|15] "" EMS,IBOX

#### BO\_ 274 TCU12: 8 TCU

SG\_ ETL\_TCU : 0|8@1+ (2,0) [0|508] "Nm" EMS,IBOX  
 SG\_ CUR\_GR : 8|4@1+ (1,0) [0|15] "" \_4WD,EMS,ESC,IBOX,SCC,TPMS  
 SG\_ CF\_Tcu\_Alive : 12|2@1+ (1,0) [0|3] "" EMS,ESC,IBOX,SCC  
 SG\_ CF\_Tcu\_ChkSum : 14|2@1+ (1,0) [0|3] "" EMS,ESC,IBOX,SCC  
 SG\_ VS\_TCU : 16|8@1+ (1,0) [0|254] "km/h"  
 BCM, CLU, DATC, EMS, IBOX, LCA, LVR, PGS, SMK, SNV  
 SG\_ FUEL\_CUT\_TCU : 28|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ INH\_FUEL\_CUT : 29|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ IDLE\_UP\_TCU : 30|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ N\_INC\_TCU : 31|1@1+ (1,0) [0|1] "" EMS,IBOX  
 SG\_ SPK\_RTD\_TCU : 32|8@1+ (0.375,-23.625) [-15|15] "" EMS,IBOX  
 SG\_ N\_TC\_RAW : 40|16@1+ (0.25,0) [0|16383.5] "rpm" EMS,IBOX  
 SG\_ VS\_TCU\_DECIMAL : 56|8@1+ (0.0078125,0) [0|0.9921875] "km/h"  
 CLU,EMS,IBOX,LCA

#### BO\_ 273 TCU11: 8 TCU

SG\_ TQI\_TCU\_INC : 0|8@1+ (0.390625,0) [0|99.609375] "%" EMS,ESC,IBOX  
 SG\_ G\_SEL\_DISP : 8|4@1+ (1,0) [0|15] ""  
 \_4WD,AFLS,AVM,BCM,CGW,CLU,CUBIS,ECS,EMS,EPB,ESC,IAP,IBOX,LCA,LDWS\_LKAS,LVR,MDPS,PGS,SCC,SMK,SNV,SPAS,TPMS  
 SG\_ F\_TCU : 12|2@1+ (1,0) [0|3] "" EMS,ESC,IBOX  
 SG\_ TCU\_TYPE : 14|2@1+ (1,0) [0|3] "" \_4WD,EMS,ESC,IBOX

SG\_ TCU\_OBD : 16|3@1+ (1,0) [0|7] "" EMS,ESC,IBOX  
SG\_ SWI\_GS : 19|1@1+ (1,0) [0|1] "" \_4WD,EMS,EPB,ESC,IBOX,SCC  
SG\_ GEAR\_TYPE : 20|4@1+ (1,0) [0|15] "" \_4WD,CLU,EMS,ESC,IBOX,SCC  
SG\_ TQI\_TCU : 24|8@1+ (0.390625,0) [0|99.609375] "%" EMS,ESC,IBOX  
SG\_ TEMP\_AT : 32|8@1+ (1,-40) [-40|214] "deg"  
AAF,CLU,CUBIS,EMS,ESC,IBOX  
SG\_ N\_TC : 40|16@1+ (0.25,0) [0|16383.5] "rpm"  
\_4WD,EMS,EPB,ESC,IBOX  
SG\_ SWI\_CC : 56|2@1+ (1,0) [0|3] "" \_4WD,CLU,EMS,ESC,IBOX  
SG\_ CF\_Tcu\_Alive1 : 58|2@1+ (1,0) [0|3] "" EMS,IBOX  
SG\_ CF\_Tcu\_ChkSum1 : 60|4@1+ (1,0) [0|15] "" EMS,IBOX

BO\_ 16 ACU13: 8 ACU

SG\_ CF\_Acu\_CshAct : 0|1@1+ (1,0) [0|1] "" CUBIS,IBOX,ODS

BO\_ 1040 CGW\_USM1: 8 BCM

SG\_ CF\_Gway\_ATTturnRValue : 0|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_PTGMValue : 2|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_EscortHLRValue : 4|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_TTUnlockRValue : 6|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_ADrLRValue : 8|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_ADrURValue : 11|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_SCMRValue : 14|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_WlightRValue : 16|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_PSMRValue : 18|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_OTTurnRValue : 21|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_DrLockSoundRValue : 24|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_HAnBRValue : 27|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_MoodLpRValue : 30|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_HfreeTrunkRValue : 32|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_AutoLightRValue : 35|3@1+ (1,0) [0|7] "" CLU  
SG\_ CF\_Gway\_RearWiperRValue : 38|2@1+ (1,0) [0|3] "" CLU  
SG\_ CF\_Gway\_PasSpkrLvRValue : 40|3@1+ (1,0) [0|7] "" CLU

BO\_ 1292 CLU13: 8 CLU

SG\_ CF\_Clu\_LowfuelWarn : 0|2@1+ (1,0) [0|3] "" BCM,FPCM,IBOX  
SG\_ CF\_Clu\_RefDetMod : 2|1@1+ (1,0) [0|1] "" IBOX  
SG\_ CF\_Clu\_AvgFCU : 3|2@1+ (1,0) [0|3] "" IBOX  
SG\_ CF\_Clu\_AvsmCur : 5|1@1+ (1,0) [0|1] "" ESC,SCC  
SG\_ CF\_Clu\_AvgFCI : 6|10@1+ (0.1,0) [0|102.2] "" IBOX  
SG\_ CF\_Clu\_DrivingModeSwi : 16|2@1+ (1,0) [0|3] ""

DATC,ECS,EMS,ESC,IAP,MDPS,TCU

SG\_ CF\_Clu\_FuelDispLvl : 18|5@1+ (1,0) [0|31] "" CGW,IBOX  
SG\_ CF\_Clu\_FlexSteerSW : 23|1@1+ (1,0) [0|1] "" MDPS  
SG\_ CF\_Clu\_DTE : 24|10@1+ (1,0) [0|1023] "" DATC  
SG\_ CF\_Clu\_TripUnit : 34|2@1+ (1,0) [0|3] "" DATC  
SG\_ CF\_Clu\_SWL\_Stat : 36|3@1+ (1,0) [0|7] "" ACU,EMS  
SG\_ CF\_Clu\_ActiveEcoSW : 39|1@1+ (1,0) [0|1] "" DATC,EMS,TCU  
SG\_ CF\_Clu\_EcoDriveInf : 40|3@1+ (1,0) [0|7] "" CUBIS,EMS,IAP,IBOX  
SG\_ CF\_Clu\_IsaMainSW : 43|1@1+ (1,0) [0|1] "" EMS  
SG\_ CF\_Clu\_LdwsLkasSW : 56|1@1+ (1,0) [0|1] "" LDWS\_LKAS  
SG\_ CF\_Clu\_AltLStatus : 59|1@1+ (1,0) [0|1] "" BCM,DATC,EMS  
SG\_ CF\_Clu\_AliveCnt2 : 60|4@1+ (1,0) [0|15] "" EMS,LDWS\_LKAS

BO\_ 1290 SCC13: 8 SCC

SG\_ SCCDrvModeRValue : 0|3@1+ (1,0) [0|7] "" CLU

SG\_ SCC\_Equip : 3|1@1+ (1,0) [0|1] "" ESC

SG\_ AebDrvSetStatus : 4|3@1+ (1,0) [0|7] "" CLU,ESC

BO\_ 1287 TCS15: 4 ESC

SG\_ ABS\_W\_LAMP : 0|1@1+ (1,0) [0|1] "" \_4WD,CLU,CUBIS,IBOX

SG\_ TCS\_OFF\_LAMP : 1|2@1+ (1,0) [0|1] "" \_4WD,ACU,CLU

SG\_ TCS\_LAMP : 3|2@1+ (1,0) [0|3] "" \_4WD,ACU,CLU,CUBIS,IBOX,SCC

SG\_ DBC\_W\_LAMP : 5|1@1+ (1,0) [0|1] "" \_4WD,CLU

SG\_ DBC\_F\_LAMP : 6|2@1+ (1,0) [0|3] "" \_4WD,CLU

SG\_ ESC\_Off\_Step : 8|2@1+ (1,0) [0|3] "" CLU

SG\_ AVH\_CLU : 16|8@1+ (1,0) [0|255] "" CLU,EPB

SG\_ AVH\_I\_LAMP : 24|2@1+ (1,0) [0|3] "" EPB

SG\_ EBD\_W\_LAMP : 26|1@1+ (1,0) [0|1] "" \_4WD,CLU

SG\_ AVH\_ALARM : 27|2@1+ (1,0) [0|3] "" CLU

SG\_ AVH\_LAMP : 29|3@1+ (1,0) [0|7] "" CLU,EPB,SPAS

BO\_ 1282 TCU14: 4 TCU

SG\_ CF\_TCU\_WarnMsg : 0|3@1+ (1,0) [0|7] "" CLU

SG\_ CF\_TCU\_WarnImg : 3|1@1+ (1,0) [0|1] "" CLU

SG\_ CF\_TCU\_WarnSnd : 4|1@1+ (1,0) [0|1] "" CLU

SG\_ CF\_Tcu\_GSel\_BlinkReq : 5|1@1+ (1,0) [0|1] "" CLU,LVR

SG\_ CF\_Tcu\_StRelStat : 12|1@1+ (1,0) [0|1] "" CLU,EMS,ESC

SG\_ CF\_Tcu\_DriWarn1 : 13|3@1+ (1,0) [0|7] "" CLU,EMS,ESC

SG\_ CF\_Tcu\_DriWarn2 : 16|2@1+ (1,0) [0|3] "" CLU,EMS,ESC

BO\_ 1281 ECS11: 3 ECS

SG\_ ECS\_W\_LAMP : 0|1@1+ (1,0) [0|1] "" CLU,CUBIS,IBOX

SG\_ SYS\_NA : 1|1@1+ (1,0) [0|1] "" CLU

SG\_ ECS\_DEF : 2|1@1+ (1,0) [0|1] "" CLU

SG\_ ECS\_DIAG : 3|1@1+ (1,0) [0|1] "" CLU

SG\_ L\_CHG\_NA : 4|1@1+ (1,0) [0|1] "" CLU

SG\_ Leveling\_Off : 5|1@1+ (1,0) [0|1] "" CLU

SG\_ LC\_overheat : 6|1@1+ (1,0) [0|1] "" CLU

SG\_ Lifting : 8|1@1+ (1,0) [0|1] "" CLU

SG\_ Lowering : 9|1@1+ (1,0) [0|1] "" CLU

SG\_ Damping\_Mode : 10|2@1+ (1,0) [0|3] "" CLU

SG\_ REQ\_Damping : 12|2@1+ (1,0) [0|3] "" CLU

SG\_ REQ\_Height : 14|2@1+ (1,0) [0|3] "" CLU

SG\_ REQ\_level : 16|4@1+ (1,0) [0|15] "" CLU

SG\_ ACT\_Height : 20|4@1+ (1,0) [0|15] "" CLU

BO\_ 1024 CLU\_CFG11: 2 CLU

SG\_ Vehicle\_Type : 0|16@1+ (1,0) [0|65536] "" \_4WD

BO\_ 1280 ACU14: 1 ACU

SG\_ CF\_SWL\_Ind : 0|2@1+ (1,0) [0|3] "" CLU

SG\_ CF\_TTL\_Ind : 2|2@1+ (1,0) [0|3] "" CLU

SG\_ CF\_SBR\_Ind : 4|2@1+ (1,0) [0|3] "" BCM,CLU

BO\_ 512 EMS20: 6 EMS

SG\_ FCO : 0|16@1+ (0.128,0) [0|8388.48] "u1" CLU,CUBIS,FPCM,IBOX

SG\_ CF\_Ems\_PumpTPres : 16|8@1+ (3.137254902,0) [0|800] "kPa"

FPCM,IBOX

SG\_ Split\_Stat : 32|1@1+ (1,0) [0|1] "" FPCM

B0\_ 576 NEW\_MSG\_ENGINE: 8 XXX

SG\_ GEAR : 35|4@0- (1,0) [0|255] "" XXX

SG\_ RPM\_1 : 0|12@1+ (1,0) [0|65535] "rpm" XXX

SG\_ CLUTCH\_1 : 15|4@0+ (1,0) [0|15] "" XXX

SG\_ RPM\_2 : 16|16@1- (1,0) [0|65535] "" XXX

B0\_ 304 NEW\_MSG\_STEERING: 8 XXX

SG\_ Steering\_2 : 16|16@1+ (1,-32767) [0|65535] "" XXX

SG\_ CheckSum\_Steering : 56|8@1+ (1,0) [0|255] "" XXX

SG\_ AliveCounter\_Steering : 48|4@1+ (1,0) [0|15] "" XXX

SG\_ Steering\_1 : 0|16@1+ (0.01,-327.67) [0|65535] "deg" XXX

B0\_ 320 NEW\_MSG\_1: 8 XXX

SG\_ AliveCounter : 48|4@1+ (1,0) [0|15] "" XXX

SG\_ CheckSum : 56|8@1+ (1,0) [0|255] "" XXX

SG\_ NEW\_SIGNAL\_e\_power\_draw : 0|16@1+ (1,-32767) [0|65535] "" XXX

SG\_ NEW\_SIGNAL\_pwr\_level : 24|8@1+ (1,0) [0|255] "" XXX

SG\_ NEW\_SIGNAL\_1 : 39|8@0+ (1,0) [0|255] "" XXX

B0\_ 881 NEW\_MSG\_2: 8 XXX

SG\_ NEW\_SIGNAL\_brake\_pressure : 7|16@0+ (1,0) [0|65535] "" XXX

SG\_ NEW\_SIGNAL\_rpm\_withouth\_electro : 16|16@1+ (1,0) [0|65535] ""  
XXX

SG\_ SPEED : 32|8@1+ (1,0) [0|255] "" XXX

SG\_ NEW\_SIGNAL\_load : 56|8@1+ (1,0) [0|255] "" XXX

B0\_ 882 untitled: 8 XXX

B0\_ 352 untitled: 8 XXX

B0\_ 1136 untitled: 8 XXX

B0\_ 1429 untitled: 8 XXX

B0\_ 1430 untitled: 8 XXX

CM\_ SG\_ 576 CLUTCH\_1 "2=during gear shift in SPORT MODE";