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CAN Specification

Project_Neotec_Skyrailer



HYDAC

Approval / Freigabe

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Documentsnumber / Dokumentennu	·	-,



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1 **Reference Documents**

Document	Autor	Version	Date	Datei	Speicherort
SAE J1939-71 Vehicle Application Layer					
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Definitions and Abbreviations

CAN	Controlled Area Network
DLC	Data Length Code
DTC	Diagnostic Trouble Code
ECU	Electronic Controller Unit
PDU	Protocol Data Unit
PGN	Parameter Group Number
SA	Source Adress
SPN	Suspect Parameter Number

Table 1: Definitions and Abbreviations



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This document describes the CAN communication in machine system. The chapter 4 describes the specific data.

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DM1 Protocol 4

The diagnostic features of SAE J1939 supports following services:

- Reporting and identification of abnormal operation
- Memory access
- Monitored tests

Diagnostics Message 1 (DM1, PGN FECA16).

An important parameter group is the Diagnostics Message 1 (DM1, PGN FECA16). If supported, it shall be sent cyclic by each CA to report its state. The parameter group contains the state for different lamps:

- Malfunction Indicator Lamp
- Red Stop Lamp
- Amber Warning Lamp
- Protect Lamp

An instrument cluster can use this information to report the state of the system to the driver. Additionally the parameter group contains a list of Diagnostic Trouble Codes (DTC). Together with the address of a sender the parameter of misbehaving components can be identified. If the DM1 contains more than one DTC a transport protocol must be used.

A Diagnostic Trouble Code (DTC) contains 4 bytes, which contain

- the SPN.
- the Failure Mode Identifier (FMI) and
- Occurrence Counter (OC)
- SPN Conversion Method (CM)

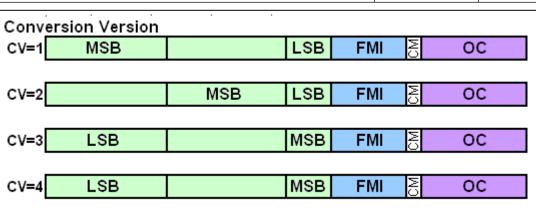


DTC interpretation

Depend on J1939 document version the SPN bit assignment in the DTC have four different formats. That result four different Conversion Versions to interpret the SPN. All available CV are listed below. According to J1939 norm CM must be set to zero if CV = 4, in all cases else CM = 1.







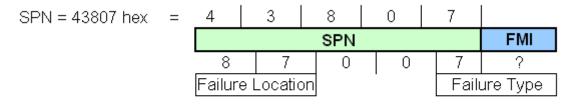
FMI : Failure Mode Identifer

OC : Occurence Count

SPN: Suspected Parameter Nummber

CV : Conversion Version
CM : Conversion Method
LSB : Least Significant Bits
MSB : Most Significant Bits

Additional terms Failure Location and Failure Type are defined. They are application specific and not defined in J1939. In following picture the algorithm is shown which is used to calculate this term values based on received SPN and FMI.



Failure Location = SPN / 2048

Failure Type = (SPN AND 16#0007) * 32 + FMI



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CAN Interface 5

SAE J1939 is the base of all following definitions. Most messages are defined in the proprietary range of PGN and SPN, except some predefined receive messages like IC1 or EEC1 witch are defined in the standard. All value ranges are also defined according to SAE J1939. For more information see document "SAE J1939-71 Vehicle Application Layer".

All used signals are shown in clear black color and all not used are grayed out. If the message definition table (with DLC, Identifier, ect.) is grayed out too, than this message will be ignored (receive message) or not sent (transmit message).

5.1.1 ECU-wide

After reboot and by default, the Controller is in the lowest access level (ACC DEALER).

There are two separate fault memory units, which can be read, written and deleted independently. In this document, these two memory units are called Clear Level 1 (CL1) and Clear Level 2 (CL2). Clear Level 2 is superior to Clear Level 1.

The assignments of the Clear Level to the Access Level are listed in the following:

Level =

ACC_ENGINEERING	(CL2)
ACC_INTEGRATOR	(CL2)
ACC_OEM	(CL2)
ACC_PRODUCTION	(CL2)
ACC_SERVICE	(CL1)
ACC_DEALER	(CL1)
ACC_CUSTOMER	(CL1)
ACC_UDS_LEVEL	<- assume the UDS-Level permanently
ACC_HST_LEVEL	<- assume the HST-Level permanently

5.1.2 For each fault

In mode for each fault, there is no general relationship between Access Levels and Clear Levels. The errors transferred via DM1 have a dependency on the Access Level of the error.

5.2 CAN Message Overview

5.2.1 Receive CAN Message Overview

Bus	Name	Full Identifier (hex)	Cycle Time [ms]	PGN
CO_CAN_2_Radio	HeartBeat	73C	500	7 (0x7)
CO_CAN_2_Radio	ReadAnalogInput	1BC	80	1 (0x1)
CO_CAN_2_Radio	ReadOnOfffInput	2BC	80	2 (0x2)
CO_C1_CAN_1_TTC48XS	Msg1C1RcvFromOpus	183	40	1 (0x1)
CO_C1_CAN_1_TTC48XS	PDO0_48XS	18A	10	1 (0x1)
CO_C1_CAN_1_TTC48XS	PDO1_48XS	28A	10	2 (0x2)



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Bus	Name	Full Identifier (hex)	Cycle Time [ms]	PGN
CO_C1_CAN_1_TTC48XS	PDO2_48XS	38A	10	3 (0x3)
CO_C1_CAN_1_TTC48XS	PDO3_48XS	48A	10	4 (0x4)
CO_C1_CAN_1_TTC48XS	PDO4_48XS	6A0	10	6 (0x6)
CO_C1_CAN_1_TTC48XS	PDO5_48XS	6A1	10	6 (0x6)
CO_C1_CAN_1_TTC48XS	PDO6_48XS	6A2	10	6 (0x6)
CO_C1_CAN_1_TTC48XS	Hearbeat_48XS	70A	200	7 (0x7)
CO_C1_CAN_1_TTC48XS	PDO8_48XS	6A8	10	6 (0x6)
CO_C1_CAN_1_TTC48XS	Hearbeat_Telescope	729	200	7 (0x7)
CO_CAN_3	HeartBeatDeversFrame	72B	50	7 (0x7)
CO_CAN_3	DeversFrame1	1AB	50	1 (0x1)
CO_CAN_3	EncodeurTurret1	1B3	100	1 (0x1)
CO_CAN_3	EncodeurTurret2	1B4	50	1 (0x1)
CO_CAN_3	HeartBeatEncodeurTurret	733	50	7 (0x7)
CO_CAN_3	MastMeasure	1B1	500	1 (0x1)
CO_CAN_3	DeversFrame2	1AC	50	1 (0x1)
C1_CAN_2	TelescopeFrame1	1A9	50	1 (0x1)
C1_CAN_2	TelescopeFrame2	1AA	50	1 (0x1)

5.2.2 Transmit CAN Message Overview

Bus	Name	Full Identifier (hex)	Cycle Time [ms]	PGN
C0_C1_CAN_0	SendToC1RadioCmd	18FF0001	10	65280 (0xFF00)
C0_C1_CAN_0	Msg1RcvFromEvision7	D7CF01	20	55247 (0xD7CF)
C0_C1_CAN_0	DataRcvFromC1	18FF0002	10	65280 (0xFF00)
C0 C1 CAN 0	Msg1C0SendToEvision7	C0D701	200	49367 (0xC0D7)
C0_C1_CAN_0	DataSendToC1	18FF0003	10	65280 (0xFF00)
C0 C1 CAN 0	Msg2C0SendToEvision7	C0D702	200	49367 (0xC0D7)
C0 C1 CAN 0	Msg3C0SendToEvision7	C0D703	200	49367 (0xC0D7)
C0 C1 CAN 0	Message_01	18FF0000	50	65280 (0xFF00)
C0 C1 CAN 0	MsgDebugC0SendToEvision7	C0D711	200	49367 (0xC0D7)
C0 C1 CAN 0	Msg1C1SendToEvision7	C1D701	200	49623 (0xC1D7)
C0 C1 CAN 0	Msg2C1SendToEvision7	C1D702	200	49623 (0xC1D7)
C0 C1 CAN 0	MsgDebugC1SendToEvision7	C1D712	200	49623 (0xC1D7)
C0 C1 CAN 0	Data2SendToC1	18FF0004	10	65280 (0xFF00)
C0_C1_CAN_0	Data2RdvFromC1	18FF0005	10	65280 (0xFF00)
C0 C1 CAN 0	Msg3C1SendToEvision7	C1D703	50	49623 (0xC1D7)
C0_C1_CAN_0	Msg4C1SendToEvision7	C1D704	50	49623 (0xC1D7)
C0 C1 CAN 0	Data3SendToC1	18FF0006	50	65280 (0xFF00)
C0 C1 CAN 0	Data3RcvFromC1	18FF0007	50	65280 (0xFF00)
C0_C1_CAN_0	FailuresC1SendToC0	18FF0008	50	65280 (0xFF00)
C0 C1 CAN 0	Msq4C0SendToEvision7	C0D704	50	49367 (0xC0D7)
C0 C1 CAN 0	FailuresC0SendToC1	18FF0009	50	65280 (0xFF00)
C0_C1_CAN_0	Msg5C0SendToEvision7	C0D705	200	49367 (0xC0D7)
C0 C1 CAN 0	Msg6C0SendToEvision7	C0D706	200	49367 (0xC0D7)
C0 C1 CAN 0	Msg7C0SendToEvision7	C0D707	200	49367 (0xC0D7)
C0_C1_CAN_0	Msg8C0SendToEvision7	C0D708	200	49367 (0xC0D7)
C0 C1 CAN 0	Msg9C0SendToEvision7	C0D709	200	49367 (0xC0D7)
C0 C1 CAN 0	Msq5C1SendToEvision7	C1D705	200	49623 (0xC1D7)
C0 C1 CAN 0	Msg6C1SendToEvision7	C1D706	200	49623 (0xC1D7)
C0 C1 CAN 0	Msq7C1SendToEvision7	C1D707	200	49623 (0xC1D7)
C0 C1 CAN 0	Msg8C1SendToEvision7	C1D708	200	49623 (0xC1D7)
C0 C1 CAN 0	Msg10C0SendToEvision7	C0D70A	50	49367 (0xC0D7)
C0_C1_CAN_0	Msg9C1SendToEvision7	C1D709	50	49623 (0xC1D7)
C0_C1_CAN_0	Msg10C1SendToEvision7	C1D70A	50	49623 (0xC1D7)
C0 C1 CAN 0	Msg11C1SendToEvision7	18FF000B	50	65280 (0xFF00)
CO_CAN_2_Radio	Start	0	50	0 (0x0)
CO_CAN_2_Radio	WriteLed	364	50	3 (0x3)
CO C1 CAN 1 TTC48XS	eVision4Msg1	403	200	4 (0x4)
CO C1 CAN 1 TTC48XS	eVision4Msg2	503	200	5 (0x5)
CO C1 CAN 1 TTC48XS	PDO7 48XS	20A	10	2 (0x2)
CO C1 CAN 1 TTC48XS	Start 48XS	0	50	0 (0x0)
		1 -		- ()



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Bus	Name	Full Identifier (hex)	Cycle Time [ms]	PGN
CO_C1_CAN_1_TTC48XS	Sync_48XS	80	10	0 (0x0)
CO_C1_CAN_1_TTC48XS	eVision4Msg3Debug	404	200	4 (0x4)
CO_C1_CAN_1_TTC48XS	Msg1C0SendToOpus	203	200	2 (0x2)
CO_C1_CAN_1_TTC48XS	Msg2C0SendToOpus	303	200	3 (0x3)
CO_CAN_3	StartSensor	0	100	0 (0x0)

5.3 ECU - CAN Settings for CAN bus C0_C1_CAN_0

Property	Value
CAN	0
Baud Rate	250 kBaud
Source Address (SA) of ECU C0 (TTC580)	
Source Address (SA) of ECU C1 (TTC580)	
Source Address (SA) of ECU C2 (eVision2)	

5.4 Bidirectional Messages on bus C0_C1_CAN_0

The following tables showing the relevant bidirectional messages.

5.4.1 SendToC1RadioCmd

Radio command send to C1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0001	10	65280 (0xFF00)	C1	C0	Intel

Signals of message SendToC1RadioCmd

Byte	Start Bit	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	rel(absol.)							
1	1 (1)	1 bits	RotFrameClkwiseButton	1	[-]	0	0	1
1	2 (2)	1 bits	RotFrameCtClkwiseButton	1	[-]	0	0	1
1	3 (3)	1 bits	UpPendularOrRotTurretCtClock	1	[-]	0	0	1
1	4 (4)	1 bits	DownPendularOrRotTurretClock	1	[-]	0	0	1
1	7 (7)	1 bits	SelectorRotTurret	1	[-]	0	0	1
1	8 (8)	1 bits	SelectorPendular	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleOscillant	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleOscillant	1	[-]	0	0	1
2	3 (11)	1 bits	UpAxleFixe	1	[-]	0	0	1
2	4 (12)	1 bits	DownAxleFixe	1	[-]	0	0	1

Byte	Parameter	Description
1	RotFrameClkwiseButton	-
1	RotFrameCtClkwiseButton	-
1	UpPendularOrRotTurretCtClock	-
1	DownPendularOrRotTurretClock	-
1	SelectorRotTurret	-
1	SelectorPendular	-
2	UpAxleOscillant	-



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Byte	Parameter	Description
2	DownAxleOscillant	-
2	UpAxleFixe	-
2	DownAxleFixe	-

5.4.2 Msg1RcvFromEvision7

Receive message CAN by eVision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	D7CF01	20	55247 (0xD7CF)	C0, C1	C2	Intel

Signals of message Msg1RcvFromEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gLoginStatus	1	[-]	0	0	1
1	2 (2)	1 bits	gButtonCalibTurretEncoder	1	[-]	0	0	1
1	3 (3)	1 bits	gButtonCalibMinMastMeasure	1	[-]	0	0	1
1	4 (4)	1 bits	gButtonCalibMaxMastMeasure	1	[-]	0	0	1
1	5 (5)	1 bits	SavePosEncodeurMastButton	1	[-]	0	0	1
1	6 (6)	1 bits	gActivateMeasuringMast	1	[-]	0	0	1
1	7 (7)	1 bits	RazDistanceTraveledMastMeasure	1	[-]	0	0	1
2	1 (9)	1 bits	gOffTrackTestBrakeActivated	1	[-]	0	0	1
2	2 (10)	1 bits	gOffTrackRunInBrakeActivated	1	[-]	0	0	1
2	3 (11)	1 bits	gOsciServiceBrakeSelect	1	[-]	0	0	1
2	4 (12)	1 bits	gFixedServiceBrakeSelect	1	[-]	0	0	1
2	5 (13)	1 bits	gBothServiceBrakeSelect	1	[-]	0	0	1
2	6 (14)	1 bits	gOsciParkBrakeSelect	1	[-]	0	0	1
2	7 (15)	1 bits	gFixedParkBrakeSelect	1	[-]	0	0	1
2	8 (16)	1 bits	gBothParkBrakeSelect	1	[-]	0	0	1
3	1 (17)	1 bits	gOsciServiceRunInBrakeSelect	1	[-]	0	0	1
3	2 (18)	1 bits	gFixedServiceRunInBrakeSelect	1	[-]	0	0	1
3	3 (19)	1 bits	gBothServiceRunInBrakeSelect	1	[-]	0	0	1
3	4 (20)	1 bits	gTestBrakePageActive	1	[-]	0	0	1
3	5 (21)	1 bits	gBreakInBrakePageActive	1	[-]	0	0	1

Byte	Parameter	Description
1	gLoginStatus	-
1	gButtonCalibTurretEncoder	-
1	gButtonCalibMinMastMeasure	-
1	gButtonCalibMaxMastMeasure	-
1	SavePosEncodeurMastButton	-
1	gActivateMeasuringMast	-
1	RazDistanceTraveledMastMeasure	-
2	gOffTrackTestBrakeActivated	-
2	gOffTrackRunInBrakeActivated	-
2	gOsciServiceBrakeSelect	-
2	gFixedServiceBrakeSelect	-
2	gBothServiceBrakeSelect	-
2	gOsciParkBrakeSelect	-
2	gFixedParkBrakeSelect	-
2	gBothParkBrakeSelect	-
3	gOsciServiceRunInBrakeSelect	-
3	gFixedServiceRunInBrakeSelect	-
3	gBothServiceRunInBrakeSelect	-
3	gTestBrakePageActive	-



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Byte	Parameter	Description
3	gBreakInBrakePageActive	-

5.4.3 DataRcvFromC1

Data receive from C1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0002	10	65280 (0xFF00)	C0	C1	Intel

Signals of message DataRcvFromC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	2 bits	C1TurretPostSelector	1	[-]	0	0	3
1	3 (3)	2 bits	C1RadioPostSelector	1	[-]	0	0	3
1	5 (5)	2 bits	C1NacellePostSelector	1	[-]	0	0	3
1	7 (7)	1 bits	UpAxleOscillantCommand	1	[-]	0	0	1
1	8 (8)	1 bits	DownAxleOscillantCommand	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleFixeCommand	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleFixeCommand	1	[-]	0	0	1
2	3 (11)	1 bits	EntryTelescopeFdcSensor	1	[-]	0	0	1
2	4 (12)	1 bits	DeltaArmFoldedSensor	1	[-]	0	0	1
2	5 (13)	1 bits	BoomArmFoldedSensor	1	[-]	0	0	1
2	6 (14)	1 bits	DeltaArmInLowerZone	1	[-]	0	0	1
2	7 (15)	1 bits	TurretInRearCenterPos	1	[-]	0	0	1
2	8 (16)	1 bits	TurretInFrontCenterPos	1	[-]	0	0	1
3	1 (17)	32 bits	RegimeMotorAlternatorRpm	1	[-]	0	-2147483648	2147483647
7	1 (49)	16 bits	ArrowArmAngularSensor	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	C1TurretPostSelector	-
1	C1RadioPostSelector	-
1	C1NacellePostSelector	-
1	UpAxleOscillantCommand	-
1	DownAxleOscillantCommand	-
2	UpAxleFixeCommand	-
2	DownAxleFixeCommand	-
2	EntryTelescopeFdcSensor	-
2	DeltaArmFoldedSensor	-
2	BoomArmFoldedSensor	-
2	DeltaArmInLowerZone	-
2	TurretInRearCenterPos	-
2	TurretInFrontCenterPos	-
3	RegimeMotorAlternatorRpm	-
7	ArrowArmAngularSensor	-

5.4.4 Msg1C0SendToEvision7

Data send to eVision 7

DLC Full Ident (Bytes)	ifier (hex) Cycle Time [ms]	PGN	RX	TX	Byte Order
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Į	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ĺ	8	C0D701	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg1C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gBreak_Parking_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gBreak_Faillure_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gMovement_Allow_Nacelle	1	[-]	0	0	1
1	4 (4)	1 bits	gTurretSectorInCenter	1	[-]	0	0	1
1	5 (5)	1 bits	gTurretInCenter	1	[-]	0	0	1
1	6 (6)	1 bits	gVehiculeTrainMode	1	[-]	0	0	1
1	7 (7)	1 bits	glncoherenceLateralStopAndKey	1	[-]	0	0	1
1	8 (8)	1 bits	gWorkMode	1	[-]	0	0	1
2	1 (9)	1 bits	gSafetyElectricPump	1	[-]	0	0	1
2	2 (10)	1 bits	gDownhill150mm	1	[-]	0	0	1
2	3 (11)	1 bits	gTrainModeAllow	1	[-]	0	0	1
2	4 (12)	1 bits	gBrakeTestService	1	[-]	0	0	1
2	5 (13)	1 bits	gBrakePressureFault	1	[-]	0	0	1
2	6 (14)	1 bits	gActivateMeasuringMast	1	[-]	0	0	1
2	7 (15)	1 bits	gAutoMovementDirectionLight	1	[-]	0	0	1
2	8 (16)	1 bits	gBackRailwayAxleLowPosition	1	[-]	0	0	1
3	1 (17)	1 bits	gFrontRailwayAxleLowPosition	1	[-]	0	0	1
3	2 (18)	1 bits	gBackRailwayAxleServiceBrake	1	[-]	0	0	1
3	3 (19)	1 bits	gFrontRailwayAxleServiceBrake	1	[-]	0	0	1
3	4 (20)	1 bits	gBackRailwayAxleParkBrake	1	[-]	0	0	1
3	5 (21)	1 bits	gFrontRailwayAxleParkBrake	1	[-]	0	0	1
3	6 (22)	1 bits	gStatusFrontLeftTrainBrakeTest	1	[-]	0	0	1
3	7 (23)	1 bits	gStatFrontRightTrainBrakeTest	1	[-]	0	0	1
3	8 (24)	1 bits	gStatusBackLeftTrainBrakeTest	1	[-]	0	0	1
4	1 (25)	1 bits	gStatusBackRightTrainBrakeTest	1	[-]	0	0	1
4	2 (26)	1 bits	gAlarmAru	1	[-]	0	0	1
4	3 (27)	1 bits	gLitmitSpeedExceeded	1	[-]	0	0	1
4	4 (28)	1 bits	gShowCamera	1	[-]	0	0	1
4	5 (29)	1 bits	gFixeAxleFrequencyFault	1	[-]	0	0	1
4	6 (30)	1 bits	gOscillantAxleFrequencyFault	1	[-]	0	0	1
4	7 (31)	1 bits	gTemperatureTransmAlarm	1	[-]	0	0	1
4	8 (32)	1 bits	gUserCodeOption	1	[-]	0	0	1
5	1 (33)	1 bits	gRequestForwardTransRail	1	[-]	0	0	1
5	2 (34)	1 bits	gRequestBackwardTransRail	1	[-]	0	0	1
5	3 (35)	1 bits	gEvForwardFault	1	[-]	0	0	1
5	4 (36)	1 bits	gEvBackwardFault	1	[-]	0	0	1
5	5 (37)	1 bits	glncoherenceModeTravail	1	[-]	0	0	1
5	6 (38)	1 bits	glncoherenceBasketStopAndKey	1	[-]	0	0	1 1
5	7 (39)	1 bits	gCenteredAdvanceJoystick	1	[-]	0	0	1
5	8 (40)	1 bits	gKlaxon	1	[-]	0	0	1
6	1 (41)	1 bits	gGachette	1	[-]	0	0	1
6	2 (42)	1 bits	gStopMoteur	1	[-]	0	0	1
6	3 (43)	1 bits	gEStop	1	[-]	0	0	1
6	4 (44)	1 bits	gDeadMan	1	[-]	0	0	1

Byte	Parameter	Description
1	gBreak_Parking_On_Off	-
1	gBreak_Faillure_On_Off	-
1	gMovement_Allow_Nacelle	-
1	gTurretSectorInCenter	-
1	gTurretInCenter	-
1	gVehiculeTrainMode	-
1	glncoherenceLateralStopAndKey	-
1	gWorkMode	-



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Byte	Parameter	Description
2	gSafetyElectricPump	-
2	gDownhill150mm	-
2	gTrainModeAllow	-
2	gBrakeTestService	-
2	gBrakePressureFault	-
2	gActivateMeasuringMast	-
2	gAutoMovementDirectionLight	-
2	gBackRailwayAxleLowPosition	-
3	gFrontRailwayAxleLowPosition	-
3	gBackRailwayAxleServiceBrake	-
3	gFrontRailwayAxleServiceBrake	-
3	gBackRailwayAxleParkBrake	-
3	gFrontRailwayAxleParkBrake	-
3	gStatusFrontLeftTrainBrakeTest	-
3	gStatFrontRightTrainBrakeTest	-
3	gStatusBackLeftTrainBrakeTest	-
4	gStatusBackRightTrainBrakeTest	-
4	gAlarmAru	-
4	gLitmitSpeedExceeded	-
4	gShowCamera	-
4	gFixeAxleFrequencyFault	-
4	gOscillantAxleFrequencyFault	-
4	gTemperatureTransmAlarm	-
4	gUserCodeOption	-
5	gRequestForwardTransRail	-
5	gRequestBackwardTransRail	-
5	gEvForwardFault	-
5	gEvBackwardFault	-
5	glncoherenceModeTravail	-
5	glncoherenceBasketStopAndKey	-
5	gCenteredAdvanceJoystick	-
5	gKlaxon	-
6	gGachette	-
6	gStopMoteur	-
6	gEStop	-
6	gDeadMan	-

5.4.5 DataSendToC1

Data send to C1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0003	10	65280 (0xFF00)	C1	C0	Intel

Signals of message DataSendToC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	RestrictedModeAruRadio	1	[-]	0	0	1
1	2 (2)	1 bits	TranslationIsSolicited	1	[-]	0	0	1
1	3 (3)	2 bits	SelectedControlPost	1	[-]	0	0	3
1	5 (5)	1 bits	AxleMovementIsSolicited	1	[-]	0	0	1
1	6 (6)	1 bits	DownAxleFixeSensor	1	[-]	0	0	1
1	7 (7)	1 bits	DownAxleOscillantSensor	1	[-]	0	0	1
1	8 (8)	1 bits	ReduceSpeedRotTurretClockwise	1	[-]	0	0	1
2	1 (9)	16 bits	SlopeAngle	1	[-]	0	0	65535
6	1 (41)	1 bits	ReduceSpeedRotTurretCtClock	1	[-]	0	0	1
6	2 (42)	1 bits	ReduceSpeedArrowArmDown	1	[-]	0	0	1
6	3 (43)	1 bits	StopRotTurretClockwise	1	[-]	0	0	1
6	4 (44)	1 bits	StopRotTurretCounterClockwise	1	[-]	0	0	1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
6	5 (45)	1 bits	StopRotBasketClockwise	1	[-]	0	0	1
6	6 (46)	1 bits	StopRotBasketCounterClockwise	1	[-]	0	0	1
6	7 (47)	1 bits	StopArrowArmDown	1	[-]	0	0	1
6	8 (48)	1 bits	StopTelescopeOut	1	[-]	0	0	1
7	1 (49)	16 bits	EncodeurTurret1Angle	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	RestrictedModeAruRadio	-
1	TranslationIsSolicited	-
1	SelectedControlPost	-
1	AxleMovementIsSolicited	-
1	DownAxleFixeSensor	-
1	DownAxleOscillantSensor	-
1	ReduceSpeedRotTurretClockwise	-
2	SlopeAngle	-
6	ReduceSpeedRotTurretCtClock	-
6	ReduceSpeedArrowArmDown	-
6	StopRotTurretClockwise	-
6	StopRotTurretCounterClockwise	-
6	StopRotBasketClockwise	-
6	StopRotBasketCounterClockwise	-
6	StopArrowArmDown	-
6	StopTelescopeOut	-
7	EncodeurTurret1Angle	-

5.4.6 Msg2C0SendToEvision7

Data send to eVision 7

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
	8	C0D702	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg2C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gEngine_Use_Time	1	[-]	0	0	65535
3	1 (17)	16 bits	gEngine_RPM	1	[-]	0	0	65535
5	1 (33)	16 bits	gVehiculeSpeed	1	[-]	0	0	65535
7	1 (49)	8 bits	gLateralizationStop	1	[-]	0	0	255
8	1 (57)	8 bits	gKeySelector	1	[-]	0	0	255

Byte	Parameter	Description
1	gEngine_Use_Time	-
3	gEngine_RPM	-
5	gVehiculeSpeed	-
7	gLateralizationStop	-
8	gKeySelector	-



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5.4.7 Msg3C0SendToEvision7

Data send to evision 7

ı	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ı	8	C0D703	200	49367 (0xC0D7)	C2	CO	Intel

Signals of message Msg3C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gFrontSpeedRailWayAxle	1	[-]	0	0	65535
3	1 (17)	16 bits	gBackSpeedRailWayAxle	1	[-]	0	0	65535
5	1 (33)	16 bits	gAvdvancePeriod	1	[-]	0	0	65535
7	1 (49)	16 bits	gPressureEfficiencyRate	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	gFrontSpeedRailWayAxle	-
3	gBackSpeedRailWayAxle	-
5	gAvdvancePeriod	-
7	gPressureEfficiencyRate	-

5.4.8 Message_01

Message_01

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	TX	Byte Order
8	18FF0000	50	65280 (0xFF00)	C0	Intel

Signals of message Message_01

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	Signal	1	[-]	0	0	1
2	1 (9)	8 bits	Signal_0	1	[-]	0	0	1
3	1 (17)	8 bits	Signal_1	1	[-]	0	0	1
4	1 (25)	8 bits	Signal_2	1	[-]	0	0	1
5	1 (33)	8 bits	Signal_3	1	[-]	0	0	1
6	1 (41)	8 bits	Signal_4	1	[-]	0	0	1
7	1 (49)	16 bits	Signal_5	1	[-]	0	-32768	32767

Byte	Parameter	Description
1	Signal	-
2	Signal_0	-
3	Signal_1	-
4	Signal_2	-
5	Signal_3	-
6	Signal_4	-
7	Signal_5	-



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5.4.9 MsgDebugC0SendToEvision7

debug) message

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D711	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message MsgDebugC0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
5	1 (33)	16 bits	gC0Debug3	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gC0Debug4	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
5	gC0Debug3	-
7	gC0Debug4	-

Msg1C1SendToEvision7 5.4.10

Data send to evision 7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D701	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg1C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gBattery_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gPreheat_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gEngine_Faillure_On_Off	1	[-]	0	0	1
1	4 (4)	1 bits	gMaintenance_On_Off	1	[-]	0	0	1
1	5 (5)	1 bits	gOil_On_OFF	1	[-]	0	0	1
1	6 (6)	1 bits	gDeltaArmSectorDown	1	[-]	0	0	1
1	7 (7)	1 bits	gArrowArmSectorDown	1	[-]	0	0	1
1	8 (8)	1 bits	gPendularSectorDown	1	[-]	0	0	1
2	1 (9)	1 bits	gDeltaArmInCenter	1	[-]	0	0	1
2	2 (10)	1 bits	gArrowArmInCenter	1	[-]	0	0	1
2	3 (11)	1 bits	gPendularInCenter	1	[-]	0	0	1
2	4 (12)	1 bits	gBasketRotationInCenter	1	[-]	0	0	1
2	5 (13)	1 bits	gTelescopeInCenter	1	[-]	0	0	1
2	6 (14)	1 bits	gBasketInclinaisonInCenter	1	[-]	0	0	1
2	7 (15)	1 bits	gDeltaArmMoveUpAllow	1	[-]	0	0	1
2	8 (16)	1 bits	gDeltaArmMoveDownAllow	1	[-]	0	0	1
3	1 (17)	1 bits	gArrowArmMoveUpAllow	1	[-]	0	0	1
3	2 (18)	1 bits	gArrowArmMoveDownAllow	1	[-]	0	0	1
3	3 (19)	1 bits	gPendularMoveUpAllow	1	[-]	0	0	1
3	4 (20)	1 bits	gPendularMoveDownAllow	1	[-]	0	0	1
3	5 (21)	1 bits	gTelescopeMoveOutAllow	1	[-]	0	0	1
3	6 (22)	1 bits	gTelescopeMoveInAllow	1	[-]	0	0	1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
3	7 (23)	1 bits	gTurretCtClockWiseMoveAllow	1	[-]	0	0	1
3	8 (24)	1 bits	gTurretClockWiseMoveAllow	1	[-]	0	0	1
4	1 (25)	1 bits	gBasketRotCtClockWiseMoveAllow	1	[-]	0	0	1
4	2 (26)	1 bits	gBasketRotClockWiseMoveAllow	1	[-]	0	0	1
4	3 (27)	1 bits	gBasketInclinMoveUpAllow	1	[-]	0	0	1
4	4 (28)	1 bits	gBasketInclinMoveDownAllow	1	[-]	0	0	1
4	5 (29)	1 bits	gVehiculeDefault	1	[-]	0	0	1
4	6 (30)	1 bits	gTelescopeOutputPossible	1	[-]	0	0	1
4	7 (31)	1 bits	gTelescopeWinderFault	1	[-]	0	0	1
4	8 (32)	1 bits	gNacellePostSelector	1	[-]	0	0	1
5	1 (33)	1 bits	gSTOP_On_Off	1	[-]	0	0	1
5	2 (34)	1 bits	gSafeManSystem	1	[-]	0	0	1
5	3 (35)	1 bits	gHighSpeedAllow	1	[-]	0	0	1
5	4 (36)	1 bits	gAutomatiqueStop	1	[-]	0	0	1
5	5 (37)	1 bits	gLowSpeedByFault	1	[-]	0	0	1
5	6 (38)	1 bits	gMeasuringMastFault	1	[-]	0	0	1
5	7 (39)	1 bits	gMeasuringMatOption	1	[-]	0	0	1
5	8 (40)	1 bits	gBasketAccessLocked	1	[-]	0	0	1
6	1 (41)	1 bits	gPin267Fault	1	[-]	0	0	1
6	2 (42)	1 bits	gAnticlockwiseBasketSlew	1	[-]	0	0	1
6	3 (43)	1 bits	gClockwiseBasketSlew	1	[-]	0	0	1
6	4 (44)	1 bits	gPin181Fault	1	[-]	0	0	1
6	5 (45)	1 bits	gPin157Fault	1	[-]	0	0	1
6	6 (46)	1 bits	gPin188Fault	1	[-]	0	0	1
6	7 (47)	1 bits	gBasketStepClosed	1	[-]	0	0	1
6	8 (48)	1 bits	gSystemFault	1	[-]	0	0	1
7	1 (49)	1 bits	gTrans1PressureSensorFault	1	[-]	0	0	1
7	2 (50)	1 bits	gTrans2PressureSensorFault	1	[-]	0	0	1
7	3 (51)	1 bits	gOverloadSecurity	1	[-]	0	0	1
7	4 (52)	1 bits	gDeltaArmJoysCenteredTeles	1	[-]	0	0	1
7	5 (53)	1 bits	gArrowJoystickCenteredTurret	1	[-]	0	0	1
7	6 (54)	1 bits	gDeltaArmMoveUp	1	[-]	0	0	1
7	7 (55)	1 bits	gDeltaArmMoveDown	1	[-]	0	0	1
7	8 (56)	1 bits	gArrowArmMoveUp	1	[-]	0	0	1
8	1 (57)	1 bits	gArrowArmMoveDown	1	[-]	0	0	1
8	2 (58)	1 bits	gTelescopeMoveOut	1	[-]	0	0	1
8	3 (59)	1 bits	gTelescopeMoveIn	1	[-]	0	0	1
8	4 (60)	1 bits	gTurretCounterClockWiseMove	1	[-]	0	0	1
8	5 (61)	1 bits	gTurretClockWiseMove	1	[-]	0	0	1

Byte	Parameter	Description
1	gBattery_On_Off	Battery Status
1	gPreheat_On_Off	Preheat Status
1	gEngine_Faillure_On_Off	Engine Faillure Status
1	gMaintenance_On_Off	Maintenance Status
1	gOil_On_OFF	Oil Status
1	gDeltaArmSectorDown	Delta Arm Sector Down
1	gArrowArmSectorDown	Arrow Arm Sector Down
1	gPendularSectorDown	Pendular Sector Down
2	gDeltaArmInCenter	Delta Arm in Center
2	gArrowArmInCenter	Arrow Arm in Center
2	gPendularInCenter	Pendular in Center
2	gBasketRotationInCenter	Basket Rotation in Center
2	gTelescopeInCenter	Telescope in Center
2	gBasketInclinaisonInCenter	Basket Inclinaison in Center
2	gDeltaArmMoveUpAllow	Delta Arm Move Up Allow
2	gDeltaArmMoveDownAllow	Delta Arm Move Down Allow
3	gArrowArmMoveUpAllow	Arrow Arm Move Up Allow
3	gArrowArmMoveDownAllow	Arrow Arm Move Down Allow
3	gPendularMoveUpAllow	Pendular Move Up Allow
3	gPendularMoveDownAllow	Pendular Move Down Allow



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Byte	Parameter	Description
3	gTelescopeMoveOutAllow	Telescope Move Up Allow
3	gTelescopeMoveInAllow	Telescope Move Down Allowl
3	gTurretCtClockWiseMoveAllow	Turret Counter Clockwise Move Allow
3	gTurretClockWiseMoveAllow	Turret Clockwise Move Allow
4	gBasketRotCtClockWiseMoveAllow	Basket Rotation Counter Clockwise Move Allow
4	gBasketRotClockWiseMoveAllow	Basket Rotation Clockwise Move Allow
4	gBasketInclinMoveUpAllow	Basket Inclinaison Move Up Allow
4	gBasketInclinMoveDownAllow	Basket Inclinaison Move Down Allow
4	gVehiculeDefault	Vehicule in Default (A12)
4	gTelescopeOutputPossible	Telescope output possible (A48)
4	gTelescopeWinderFault	Telescope Winder Fault (A17)
4	gNacellePostSelector	Nacelle post selector
5	gSTOP_On_Off	STOP Status
5	gSafeManSystem	SafeManSystem (A5)
5	gHighSpeedAllow	High Speed Allow (A19)
5	gAutomatiqueStop	Automatique Stop or function mismatch (A20)
5	gLowSpeedByFault	Low Speed by fault (A46)
5	gMeasuringMastFault	Measuring Mast in Fault (A8)
5	gMeasuringMatOption	-
5	gBasketAccessLocked	-
6	gPin267Fault	-
6	gAnticlockwiseBasketSlew	-
6	gClockwiseBasketSlew	-
6	gPin181Fault	-
6	gPin157Fault	-
6	gPin188Fault	-
6	gBasketStepClosed	-
6	gSystemFault	-
7	gTrans1PressureSensorFault	-
7	gTrans2PressureSensorFault	-
7	gOverloadSecurity	-
7	gDeltaArmJoysCenteredTeles	-
7	gArrowJoystickCenteredTurret	-
7	gDeltaArmMoveUp	-
7	gDeltaArmMoveDown	-
7	gArrowArmMoveUp	-
8	gArrowArmMoveDown	-
8	gTelescopeMoveOut	-
8	gTelescopeMoveIn	-
8	gTurretCounterClockWiseMove	-
8	gTurretClockWiseMove	-

5.4.11 Msg2C1SendToEvision7

Data send to evsion 7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D702	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg2C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	gFuel	1	[-]	0	0	255
2	1 (9)	16 bits	gBattery_Voltage	1	[-]	0	0	65535
4	1 (25)	8 bits	gTrainTransmissionPressure	1	[-]	0	0	255
5	1 (33)	32 bits	DistanceTravaledMatMeasure	1	[-]	0	0	4294967295



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Parameter Descriptions

Byte	Parameter	Description
1	gFuel	new signal
2	gBattery_Voltage	new signal
4	gTrainTransmissionPressure	new signal
5	DistanceTravaledMatMeasure	-

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MsgDebugC1SendToEvision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D712	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message MsgDebugC1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	DebugDeltaArmAnglel	1	[-]	0	-32768	32767
3	1 (17)	16 bits	DebugArrowArmAngle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	DebugTelescopePosition	1	[-]	0	-32768	32767
7	1 (49)	16 bits	DebugVehicleSlope	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	DebugDeltaArmAnglel	new signal
3	DebugArrowArmAngle	new signal
5	DebugTelescopePosition	new signal
7	DebugVehicleSlope	new signal

5.4.13 Data2SendToC1

Data send to C1 2nd frame

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0004	10	65280 (0xFF00)	C1	C0	Intel

Signals of message Data2SendToC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	RedLightsBasketCmd	1	[-]	0	0	1
1	2 (2)	1 bits	WhiteLightsBasketCmd	1	[-]	0	0	1
1	3 (3)	1 bits	WrongAbutments	1	[-]	0	0	1
1	4 (4)	1 bits	StopMovementByBrakeTest	1	[-]	0	0	1
1	5 (5)	1 bits	StopMovementByBreakInBrake	1	[-]	0	0	1
1	6 (6)	1 bits	EnableBuzzerSelectPost	1	[-]	0	0	1
1	7 (7)	1 bits	UpOsciAxlePos	1	[-]	0	0	1
1	8 (8)	1 bits	UpFixeAxlePos	1	[-]	0	0	1
2	1 (9)	32 bits	EncodeurMastMeasureRaw	1	[-]	0	0	4294967295
6	1 (41)	1 bits	CenteredTurretState	1	[-]	0	0	1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
6	2 (42)	1 bits	AuthorizeWork	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	RedLightsBasketCmd	-
1	WhiteLightsBasketCmd	-
1	WrongAbutments	-
1	StopMovementByBrakeTest	-
1	StopMovementByBreakInBrake	-
1	EnableBuzzerSelectPost	-
1	UpOsciAxlePos	-
1	UpFixeAxlePos	-
2	EncodeurMastMeasureRaw	-
6	CenteredTurretState	-
6	AuthorizeWork	-

Data2RdvFromC1 5.4.14

Data2RdvFromC1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0005	10	65280 (0xFF00)	C0	C1	Intel

Signals of message Data2RdvFromC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	EvUpMeasuringMastCmd	1	[-]	0	0	1
1	2 (2)	1 bits	EvDownMeasuringMastCmd	1	[-]	0	0	1
1	3 (3)	1 bits	FoldedDeltaArmZone	1	[-]	0	0	1
1	4 (4)	1 bits	FoldedArrowArmZone	1	[-]	0	0	1
1	5 (5)	1 bits	FoldedMastMeasure	1	[-]	0	0	1
1	6 (6)	1 bits	BasketInCentrerPos	1	[-]	0	0	1
2	1 (9)	16 bits	DeltaArmAngularSensorValue	1	[-]	0	-32768	32767
4	1 (25)	16 bits	Transmission1Pressure	1	[-]	0	-32768	32767
6	1 (41)	16 bits	Transmission2Pressure	1	[-]	0	-32768	32767
8	1 (57)	2 bits	ActiveHelpState	1	[-]	0	0	3
8	3 (59)	1 bits	StopAllMovementsNacellePost	1	[-]	0	0	1

Byte	Parameter	Description
1	EvUpMeasuringMastCmd	-
1	EvDownMeasuringMastCmd	-
1	FoldedDeltaArmZone	-
1	FoldedArrowArmZone	-
1	FoldedMastMeasure	-
1	BasketInCentrerPos	-
2	DeltaArmAngularSensorValue	-
4	Transmission1Pressure	-
6	Transmission2Pressure	-
8	ActiveHelpState	-
8	StopAllMovementsNacellePost	-



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Msg3C1SendToEvision7 5.4.15

Msg3C1SendToEvision7

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
-	8	C1D703	50	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg3C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	32 bits	MinValueEncodeurMast	1	[-]	0	0	4294967295
5	1 (33)	32 bits	MaxValueEncodeurMast	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	Parameter	Description
1	MinValueEncodeurMast	-
5	MaxValueEncodeurMast	-

Msg4C1SendToEvision7 5.4.16

Msg4C1SendToEvision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D704	50	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg4C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	32 bits	EncodeurMastMeasureRaw	1	[-]	0	0	4294967295
5	1 (33)	32 bits	EncodeurMastMeasureCentimeter	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	EncodeurMastMeasureRaw	-
5	EncodeurMastMeasureCentimeter	-

5.4.17 Data3SendToC1

Data3SendToC1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0006	50	65280 (0xFF00)	C1	C0	Intel

Signals of message Data3SendToC1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	32 bits	SpeedVehicleKmh	1	[-]	0	-2147483648	2147483647

Parameter Descriptions

Byte	Parameter	Description
1	SpeedVehicleKmh	-

5.4.18 Data3RcvFromC1

Data3RcvFromC1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0007	50	65280 (0xFF00)	C0	C1	Intel

Signals of message Data3RcvFromC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	EncodeurMastMeasureCentimeter	1	[-]	0	0	65535
3	1 (17)	1 bits	OutOfRangeTransmissionPressure	1	[-]	0	0	1
3	2 (18)	1 bits	MastMeasureFonctionActive	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	EncodeurMastMeasureCentimeter	-
3	OutOfRangeTransmissionPressure	-
3	MastMeasureFonctionActive	-

FailuresC1SendToC0 5.4.19

FailuresC1SendToC0

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF0008	50	65280 (0xFF00)	C0	C1	Intel

Signals of message FailuresC1SendToC0

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Dm_Inc_Pos_Folded_Delta_Arrow	1	[-]	0	0	1
1	2 (2)	1 bits	Dm_Active_Help	1	[-]	0	0	1
1	3 (3)	1 bits	Dm_Ev_Bypass_Fault	1	[-]	0	0	1

= 7.0	Byte	Parameter	Description
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Byte	Parameter	Description
1	Dm_Inc_Pos_Folded_Delta_Arrow	-
1	Dm_Active_Help	-
1	Dm_Ev_Bypass_Fault	-

Msg4C0SendToEvision7 5.4.20

Msg4C0SendToEvision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D704	50	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg4C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gForwardPumpCurrent	1	[-]	0	0	65535
3	1 (17)	16 bits	gBackwardPumpCurrent	1	[-]	0	0	65535
5	1 (33)	16 bits	gTrans1PressureSensorValue	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gTrans2PressureSensorValue	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	gForwardPumpCurrent	-
3	gBackwardPumpCurrent	-
5	gTrans1PressureSensorValue	-
7	gTrans2PressureSensorValue	-

5.4.21 FailuresC0SendToC1

FailuresC0SendToC1

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
	8	18FF0009	50	65280 (0xFF00)	C1	C0	Intel

Signals of message FailuresC0SendToC1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Dm_Swi_Dbl_NcNo_Inc_FrameRot	1	[-]	0	0	1

Byte	Parameter	Description
1	Dm_Swi_Dbl_NcNo_Inc_FrameRot	-



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5.4.22 Msg5C0SendToEvision7

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D705	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg5C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Pin247Fault	1	[-]	0	0	1
	2 (2)	1 bits	Pin234Fault	1	[-]	0	0	1
1	3 (3)	1 bits	Pin221Fault	1	[-]	0	0	1
1	4 (4)	1 bits	Pin217Fault	1	[-]	0	0	1
1	5 (5)	1 bits	Pin230Fault	1	[-]	0	0	1
1	6 (6)	1 bits	Pin243Fault	1	[-]	0	0	1
1	7 (7)	1 bits	Pin244Fault	1	[-]	0	0	1
1	8 (8)	1 bits	Pin245Fault	1	[-]	0	0	1
2	1 (9)	1 bits	Pin256Fault	1	[-]	0	0	1
2	2 (10)	1 bits	Pin257Fault	1	[-]	0	0	1
2	3 (11)	1 bits	Pin258Fault	1	[-]	0	0	1
2	4 (12)	1 bits	Pin103Fault	1	[-]	0	0	1
2	5 (13)	1 bits	Pin127Fault	1	[-]	0	0	1
2	6 (14)	1 bits	Pin104Fault	1	[-]	0	0	1
2	7 (15)	1 bits	Pin128Fault	1	[-]	0	0	1
2	8 (16)	1 bits	Pin105Fault	1	[-]	0	0	1
3	1 (17)	1 bits	Pin129Fault	1	[-]	0	0	1
3	2 (18)	1 bits	Pin106Fault	1	[-]	0	0	1
3	3 (19)	1 bits	Pin130Fault	1	[-]	0	0	1
3	4 (20)	1 bits	Pin107Fault	1	[-]	0	0	1
3	5 (21)	1 bits	Pin131Fault	1	[-]	0	0	1
3	6 (22)	1 bits	Pin108Fault	1	[-]	0	0	1
3	7 (23)	1 bits	Pin132Fault	1	[-]	0	0	1
3	8 (24)	1 bits	Pin109Fault	1	[-]	0	0	1
4	1 (25)	1 bits	Pin133Fault	1	[-]	0	0	1
4	2 (26)	1 bits	Pin110Fault	1	[-]	0	0	1
4	3 (27)	1 bits	Pin134Fault	1	[-]	0	0	1
4	4 (28)	1 bits	Pin111Fault	1	[-]	0	0	1
4	5 (29)	1 bits	Pin135Fault	1	[-]	0	0	1
4	6 (30)	1 bits	Pin112Fault	1	[-]	0	0	1
4	7 (31)	1 bits	Pin136Fault	1	[-]	0	0	1
4	8 (32)	1 bits	Pin113Fault	1	[-]	0	0	1
5	1 (33)	1 bits	Pin137Fault	1	[-]	0	0	1
5	2 (34)	1 bits	Pin114Fault	1	[-]	0	0	1
5	3 (35)	1 bits	Pin138Fault	1	[-]	0	0	1
5	4 (36)	1 bits	Pin115Fault	1	[-]	0	0	1
5	5 (37)	1 bits	Pin139Fault	1	[-]	0	0	1
5	6 (38)	1 bits	Pin116Fault	1	[-]	0	0	1
5	7 (39)	1 bits	Pin140Fault	1	[-1	0	0	1
5	8 (40)	1 bits	Pin117Fault	1	[-]	0	0	1
6	1 (41)	1 bits	Pin141Fault	1	[-]	0	0	1
6	2 (42)	1 bits	Pin122Fault	1	[-]	0	0	1
6	3 (43)	1 bits	Pin146Fault	1	[-]	0	0	1
6	4 (44)	1 bits	Pin123Fault	1	[-]	0	0	1
6	5 (45)	1 bits	Pin147Fault	1	[-]	0	0	1
6	6 (46)	1 bits	Pin124Fault	1	[-]	0	0	1
6	7 (47)	1 bits	Pin148Fault	1	[-]	0	0	1
6	8 (48)	1 bits	Pin153Fault	1	[-]	0	0	1
7	1 (49)	1 bits	Pin177Fault	1	[-]	0	0	1
7	2 (50)	1 bits	Pin156Fault	1	[-]	0	0	1
7	3 (51)	1 bits	Pin180Fault	1	[-]	0	0	1
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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
7	5 (53)	1 bits	Pin183Fault	1	[-]	0	0	1
7	6 (54)	1 bits	Pin186Fault	1	[-]	0	0	1
7	7 (55)	1 bits	Pin162Fault	1	[-]	0	0	1
7	8 (56)	1 bits	Pin189Fault	1	[-]	0	0	1
8	1 (57)	1 bits	Pin165Fault	1	[-]	0	0	1
8	2 (58)	1 bits	Pin192Fault	1	[-]	0	0	1
8	3 (59)	1 bits	Pin168Fault	1	[-]	0	0	1
8	4 (60)	1 bits	Pin195Fault	1	[-]	0	0	1
8	5 (61)	1 bits	Pin171Fault	1	[-]	0	0	1
8	6 (62)	1 bits	Pin154Fault	1	[-]	0	0	1
8	7 (63)	1 bits	Pin178Fault	1	[-]	0	0	1
8	8 (64)	1 bits	Pin157Fault	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin247Fault	for the Neotec diag pages
1	Pin234Fault	for the Neotec diag pages
1	Pin221Fault	for the Neotec diag pages
1	Pin217Fault	for the Neotec diag pages
1	Pin230Fault	for the Neotec diag pages
1	Pin243Fault	for the Neotec diag pages
1	Pin244Fault	for the Neotec diag pages
1	Pin245Fault	for the Neotec diag pages
2	Pin256Fault	for the Neotec diag pages
2	Pin250Fault	for the Neotec diag pages
2	Pin258Fault	for the Neotec diag pages
2	Pin103Fault	for the Neotec diag pages
2	Pin127Fault	for the Neotec diag pages
2	Pin104Fault	for the Neotec diag pages
2	Pin128Fault	for the Neotec diag pages
2	Pin126Fault	for the Neotec diag pages
3	Pin129Fault	for the Neotec diag pages
3	Pin106Fault	for the Neotec diag pages
3	Pin130Fault	for the Neotec diag pages
3	Pin107Fault	for the Neotec diag pages
3	Pin131Fault	for the Neotec diag pages
3	Pin108Fault	
-	Pin132Fault	for the Neotec diag pages
3		for the Neotec diag pages
3	Pin109Fault	for the Neotec diag pages
4	Pin133Fault	for the Neotec diag pages
4	Pin110Fault	for the Neotec diag pages
-	Pin134Fault	for the Neotec diag pages
4	Pin111Fault	for the Neotec diag pages
4	Pin135Fault	for the Neotec diag pages
4	Pin112Fault	for the Neotec diag pages
4	Pin136Fault	for the Neotec diag pages
4	Pin113Fault	for the Neotec diag pages
5	Pin137Fault	for the Neotec diag pages
5	Pin114Fault	for the Neotec diag pages
5	Pin138Fault	for the Neotec diag pages
5	Pin115Fault	for the Neotec diag pages
5	Pin139Fault	for the Neotec diag pages
5	Pin116Fault	for the Neotec diag pages
5	Pin140Fault	for the Neotec diag pages
5	Pin117Fault	for the Neotec diag pages
6	Pin141Fault	for the Neotec diag pages
6	Pin122Fault	for the Neotec diag pages
6	Pin146Fault	for the Neotec diag pages
6	Pin123Fault	for the Neotec diag pages
6	Pin147Fault	for the Neotec diag pages
6	Pin124Fault	for the Neotec diag pages
6	Pin148Fault	for the Neotec diag pages



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Byte	Parameter	Description
6	Pin153Fault	for the Neotec diag pages
7	Pin177Fault	for the Neotec diag pages
7	Pin156Fault	for the Neotec diag pages
7	Pin180Fault	for the Neotec diag pages
7	Pin159Fault	for the Neotec diag pages
7	Pin183Fault	for the Neotec diag pages
7	Pin186Fault	for the Neotec diag pages
7	Pin162Fault	for the Neotec diag pages
7	Pin189Fault	for the Neotec diag pages
8	Pin165Fault	for the Neotec diag pages
8	Pin192Fault	for the Neotec diag pages
8	Pin168Fault	for the Neotec diag pages
8	Pin195Fault	for the Neotec diag pages
8	Pin171Fault	for the Neotec diag pages
8	Pin154Fault	for the Neotec diag pages
8	Pin178Fault	for the Neotec diag pages
8	Pin157Fault	for the Neotec diag pages

Msg6C0SendToEvision7 5.4.23

Neotec diag pages

ĺ	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ı	8	C0D706	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg6C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Pin181Fault	1	[-]	0	0	1
1	2 (2)	1 bits	Pin160Fault	1	[-]	0	0	1
1	3 (3)	1 bits	Pin184Fault	1	[-]	0	0	1
1	4 (4)	1 bits	Pin187Fault	1	[-]	0	0	1
1	5 (5)	1 bits	Pin163Fault	1	[-]	0	0	1
1	6 (6)	1 bits	Pin190Fault	1	[-]	0	0	1
1	7 (7)	1 bits	Pin166Fault	1	[-]	0	0	1
1	8 (8)	1 bits	Pin193Fault	1	[-]	0	0	1
2	1 (9)	1 bits	Pin169Fault	1	[-]	0	0	1
2	2 (10)	1 bits	Pin196Fault	1	[-]	0	0	1
2	3 (11)	1 bits	Pin172Fault	1	[-]	0	0	1
2	4 (12)	1 bits	Pin101Fault	1	[-]	0	0	1
2	5 (13)	1 bits	Pin125Fault	1	[-]	0	0	1
2	6 (14)	1 bits	Pin150Fault	1	[-]	0	0	1
2	7 (15)	1 bits	Pin174Fault	1	[-]	0	0	1
2	8 (16)	1 bits	Pin102Fault	1	[-]	0	0	1
3	1 (17)	1 bits	Pin126Fault	1	[-]	0	0	1
3	2 (18)	1 bits	Pin151Fault	1	[-]	0	0	1
3	3 (19)	1 bits	Pin175Fault	1	[-]	0	0	1
3	4 (20)	1 bits	Pin149Fault	1	[-]	0	0	1
3	5 (21)	1 bits	Pin173Fault	1	[-]	0	0	1
3	6 (22)	1 bits	Pin152Fault	1	[-]	0	0	1
3	7 (23)	1 bits	Pin176Fault	1	[-]	0	0	1
3	8 (24)	1 bits	Pin155Fault	1	[-]	0	0	1
4	1 (25)	1 bits	Pin179Fault	1	[-]	0	0	1
4	2 (26)	1 bits	Pin158Fault	1	[-]	0	0	1
4	3 (27)	1 bits	Pin182Fault	1	[-]	0	0	1
4	4 (28)	1 bits	Pin251Fault	1	[-]	0	0	1
4	5 (29)	1 bits	Pin238Fault	1	[-]	0	0	1
4	6 (30)	1 bits	Pin252Fault	1	[-]	0	0	1
4	7 (31)	1 bits	Pin239Fault	1	[-]	0	0	1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
4	8 (32)	1 bits	Pin253Fault	1	[-]	0	0	1
5	1 (33)	1 bits	Pin240Fault	1	[-]	0	0	1
5	2 (34)	1 bits	Pin254Fault	1	[-]	0	0	1
5	3 (35)	1 bits	Pin241Fault	1	[-]	0	0	1
5	4 (36)	1 bits	Pin161Fault	1	[-]	0	0	1
5	5 (37)	1 bits	Pin185Fault	1	[-]	0	0	1
5	6 (38)	1 bits	Pin188Fault	1	[-]	0	0	1
5	7 (39)	1 bits	Pin164Fault	1	[-]	0	0	1
5	8 (40)	1 bits	Pin191Fault	1	[-]	0	0	1
6	1 (41)	1 bits	Pin167Fault	1	[-]	0	0	1
6	2 (42)	1 bits	Pin194Fault	1	[-]	0	0	1
6	3 (43)	1 bits	Pin170Fault	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin181Fault	for the Neotec diag pages
1	Pin160Fault	for the Neotec diag pages
1	Pin184Fault	for the Neotec diag pages
1	Pin187Fault	for the Neotec diag pages
1	Pin163Fault	for the Neotec diag pages
1	Pin190Fault	for the Neotec diag pages
1	Pin166Fault	for the Neotec diag pages
1	Pin193Fault	for the Neotec diag pages
2	Pin169Fault	for the Neotec diag pages
2	Pin196Fault	for the Neotec diag pages
2	Pin172Fault	for the Neotec diag pages
2	Pin101Fault	for the Neotec diag pages
2	Pin125Fault	for the Neotec diag pages
2	Pin150Fault	for the Neotec diag pages
2	Pin174Fault	for the Neotec diag pages
2	Pin102Fault	for the Neotec diag pages
3	Pin126Fault	for the Neotec diag pages
3	Pin151Fault	for the Neotec diag pages
3	Pin175Fault	for the Neotec diag pages
3	Pin149Fault	for the Neotec diag pages
3	Pin173Fault	for the Neotec diag pages
3	Pin152Fault	for the Neotec diag pages
3	Pin176Fault	for the Neotec diag pages
3	Pin155Fault	for the Neotec diag pages
4	Pin179Fault	for the Neotec diag pages
4	Pin158Fault	for the Neotec diag pages
4	Pin182Fault	for the Neotec diag pages
4	Pin251Fault	for the Neotec diag pages
4	Pin238Fault	for the Neotec diag pages
4	Pin252Fault	for the Neotec diag pages
4	Pin239Fault	for the Neotec diag pages
4	Pin253Fault	for the Neotec diag pages
5	Pin240Fault	for the Neotec diag pages
5	Pin254Fault	for the Neotec diag pages
5	Pin241Fault	for the Neotec diag pages
5	Pin161Fault	for the Neotec diag pages
5	Pin185Fault	for the Neotec diag pages
5	Pin188Fault	for the Neotec diag pages
5	Pin164Fault	for the Neotec diag pages
5	Pin191Fault	for the Neotec diag pages
6	Pin167Fault	for the Neotec diag pages
6	Pin194Fault	for the Neotec diag pages
6	Pin170Fault	for the Neotec diag pages



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5.4.24 Msg7C0SendToEvision7

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D707	200	49367 (0xC0D7)	C2	CO	Intel

Signals of message Msg7C0SendToEvision7

Byte	Start Bit	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
4	rel(absol.)	4 5 5 5	Div 407	4		0	0	4
1	1 (1)	1 bits	Pin107	1	[-]	0	0	1
1	2 (2)	1 bits	Pin131	1	[-]	0	0	1
1	3 (3)	1 bits	Pin108	1	[-]	0	0	1
1	4 (4)	1 bits	Pin132	1	[-]	0	0	1
1	5 (5)	1 bits	Pin109	1	[-]	0	0	1
1	6 (6)	1 bits	Pin133	1	[-]	0	0	1
1	7 (7)	1 bits	Pin110	1	[-]	0	0	1
1	8 (8)	1 bits	Pin134	1	[-]	0	0	1
2	1 (9)	1 bits	Pin111	1	[-]	0	0	1
2	2 (10)	1 bits	Pin135	1	[-]	0	0	1
2	3 (11)	1 bits	Pin112	1	[-]	0	0	1
2	4 (12)	1 bits	Pin136	1	[-]	0	0	1
2	5 (13)	1 bits	Pin113	1	[-]	0	0	1
2	6 (14)	1 bits	Pin137	1	[-]	0	0	1
2	7 (15)	1 bits	Pin114	1	[-]	0	0	1
2	8 (16)	1 bits	Pin138	1	[-]	0	0	1
3	1 (17)	1 bits	Pin140	1	[-]	0	0	1
3	2 (18)	1 bits	Pin117	1	[-]	0	0	1
3	3 (19)	1 bits	Pin141	1	[-]	0	0	1
3	4 (20)	1 bits	Pin122	1	[-]	0	0	1
3	5 (21)	1 bits	Pin146	1	[-]	0	0	1
3	6 (22)	1 bits	Pin123	1	[-]	0	0	1
3	7 (23)	1 bits	Pin147	1	[-]	0	0	1
3	8 (24)	1 bits	Pin124	1	[-]	0	0	1
4	1 (25)	1 bits	Pin148	1	[-]	0	0	1
4	2 (26)	1 bits	Pin153	1	[-]	0	0	1
4	3 (27)	1 bits	Pin177	1	[-]	0	0	1
4	4 (28)	1 bits	Pin156	1	[-]	0	0	1
4	5 (29)	1 bits	Pin159	1	[-]	0	0	1
4	6 (30)	1 bits	Pin186	1	[-]	0	0	1
4	7 (31)	1 bits	Pin162	1	[-]	0	0	1
4	8 (32)	1 bits	Pin189	1	[-]	0	0	1
5	1 (33)	1 bits	Pin165	1	[-]	0	0	1
5	2 (34)	1 bits	Pin195	1	[-]	0	0	1
5	3 (35)	1 bits	Pin171	1	[-]	0	0	1
5	4 (36)	1 bits	Pin154	1		0	0	1
5	5 (37)	1 bits	Pin160	1	[-]	0	0	1
5	6 (38)	1 bits	Pin184	1	[-]	0	0	1
5	7 (39)	1 bits	Pin164 Pin163	1	[-]	0	0	1
5		1 bits		·	[-]	0	0	1
	8 (40)	1 bits	Pin190	1	[-]			1
6	1 (41)		Pin166	1	[-]	0	0	
6	2 (42)	1 bits	Pin193	1	[-]	0	0	1
6	3 (43)	1 bits	Pin169	1	[-]	0	0	1
6	4 (44)	1 bits	Pin196	1	[-]	0	0	1
6	5 (45)	1 bits	Pin172	1	[-]	0	0	1
6	6 (46)	1 bits	Pin149	1	[-]	0	0	1
6	7 (47)	1 bits	Pin173	1	[-]	0	0	1
6	8 (48)	1 bits	Pin152	1	[-]	0	0	1
7	1 (49)	1 bits	Pin176	1	[-]	0	0	1
7	2 (50)	1 bits	Pin155	1	[-]	0	0	1
7	3 (51)	1 bits	Pin179	1	[-]	0	0	1
7	4 (52)	1 bits	Pin158	1	[-]	0	0	1

D-66273 SULZBACH/SAAR



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
7	5 (53)	1 bits	Pin182	1	[-]	0	0	1
7	6 (54)	1 bits	Pin252	1	[-]	0	0	1
7	7 (55)	1 bits	Pin239	1	[-]	0	0	1
7	8 (56)	1 bits	Pin188	1	[-]	0	0	1
8	1 (57)	1 bits	Pin164	1	[-]	0	0	1
8	2 (58)	1 bits	Pin191	1	[-]	0	0	1
8	3 (59)	1 bits	Pin167	1	[-]	0	0	1
8	4 (60)	1 bits	Pin194	1	[-]	0	0	1
8	5 (61)	1 bits	Pin170	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin107	for the Neotec diag pages
1	Pin131	for the Neotec diag pages
1	Pin108	for the Neotec diag pages
1	Pin132	for the Neotec diag pages
1	Pin109	for the Neotec diag pages
1	Pin133	for the Neotec diag pages
1	Pin110	for the Neotec diag pages
1	Pin134	for the Neotec diag pages
2	Pin111	for the Neotec diag pages
2	Pin135	for the Neotec diag pages
2	Pin112	for the Neotec diag pages
2	Pin136	for the Neotec diag pages
2	Pin113	for the Neotec diag pages
2	Pin137	for the Neotec diag pages
2	Pin114	for the Neotec diag pages
2	Pin138	for the Neotec diag pages
3	Pin140	for the Neotec diag pages
3	Pin117	for the Neotec diag pages
3	Pin141	for the Neotec diag pages
3	Pin122	for the Neotec diag pages
3	Pin146	for the Neotec diag pages
3	Pin123	for the Neotec diag pages
3	Pin147	for the Neotec diag pages
3	Pin124	for the Neotec diag pages
4	Pin148	for the Neotec diag pages
4	Pin153	for the Neotec diag pages
4	Pin177	01 0
4	Pin177 Pin156	for the Neotec diag pages
4	Pin159	for the Neotec diag pages
4	Pin186	for the Neotec diag pages
4	Pin162	for the Neotec diag pages
4	Pin189	for the Neotec diag pages
5		for the Neotec diag pages
	Pin165	for the Neotec diag pages
5	Pin195	for the Neotec diag pages
5	Pin171	for the Neotec diag pages
5	Pin154	for the Neotec diag pages
5	Pin160	for the Neotec diag pages
5	Pin184	for the Neotec diag pages
5	Pin163	for the Neotec diag pages
5	Pin190	for the Neotec diag pages
6	Pin166	for the Neotec diag pages
6	Pin193	for the Neotec diag pages
6	Pin169	for the Neotec diag pages
6	Pin196	for the Neotec diag pages
6	Pin172	for the Neotec diag pages
6	Pin149	for the Neotec diag pages
6	Pin173	for the Neotec diag pages
6	Pin152	for the Neotec diag pages
7	Pin176	for the Neotec diag pages
7	Pin155	for the Neotec diag pages



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Byte	Parameter	Description
7	Pin179	for the Neotec diag pages
7	Pin158	for the Neotec diag pages
7	Pin182	for the Neotec diag pages
7	Pin252	for the Neotec diag pages
7	Pin239	for the Neotec diag pages
7	Pin188	for the Neotec diag pages
8	Pin164	for the Neotec diag pages
8	Pin191	for the Neotec diag pages
8	Pin167	for the Neotec diag pages
8	Pin194	for the Neotec diag pages
8	Pin170	for the Neotec diag pages

Msg8C0SendToEvision7 5.4.25

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D708	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg8C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Pin136 48XSFault	1	[-]	0	0	1
1	2 (2)	1 bits	Pin148 48XSFault	1	[-]	0	0	1
1	3 (3)	1 bits	Pin135_48XSFault	1	[-]	0	0	1
1	4 (4)	1 bits	Pin147_48XSFault	1	[-]	0	0	1
1	5 (5)	1 bits	Pin269_48XSFault	1	[-]	0	0	1
1	6 (6)	1 bits	Pin118_48XSFault	1	[-]	0	0	1
1	7 (7)	1 bits	Pin106_48XSFault	1	[-]	0	0	1
1	8 (8)	1 bits	Pin117_48XSFault	1	[-]	0	0	1
2	1 (9)	1 bits	Pin105_48XSFault	1	[-]	0	0	1
2	2 (10)	1 bits	Pin116_48XSFault	1	[-]	0	0	1
2	3 (11)	1 bits	Pin104_48XSFault	1	[-]	0	0	1
2	4 (12)	1 bits	Pin115_48XSFault	1	[-]	0	0	1
2	5 (13)	1 bits	Pin103_48XSFault	1	[-]	0	0	1
2	6 (14)	1 bits	Pin120_48XSFault	1	[-]	0	0	1
2	7 (15)	1 bits	Pin108_48XSFault	1	[-]	0	0	1
2	8 (16)	1 bits	Pin119_48XSFault	1	[-]	0	0	1
3	1 (17)	1 bits	Pin107_48XSFault	1	[-]	0	0	1
3	2 (18)	1 bits	Pin144_48XSFault	1	[-]	0	0	1
3	3 (19)	1 bits	Pin132_48XSFault	1	[-]	0	0	1
3	4 (20)	1 bits	Pin143_48XSFault	1	[-]	0	0	1
3	5 (21)	1 bits	Pin131_48XSFault	1	[-]	0	0	1
3	6 (22)	1 bits	Pin142_48XSFault	1	[-]	0	0	1
3	7 (23)	1 bits	Pin130_48XSFault	1	[-]	0	0	1
3	8 (24)	1 bits	Pin141_48XSFault	1	[-]	0	0	1
4	1 (25)	1 bits	Pin129_48XSFault	1	[-]	0	0	1
4	2 (26)	1 bits	Pin152_48XSFault	1	[-]	0	0	1
4	3 (27)	1 bits	Pin140_48XSFault	1	[-]	0	0	1
4	4 (28)	1 bits	Pin151_48XSFault	1	[-]	0	0	1
4	5 (29)	1 bits	Pin139_48XSFault	1	[-]	0	0	1
4	6 (30)	1 bits	Pin150_48XSFault	1	[-]	0	0	1
4	7 (31)	1 bits	Pin138_48XSFault	1	[-]	0	0	1
4	8 (32)	1 bits	Pin149_48XSFault	1	[-]	0	0	1
5	1 (33)	1 bits	Pin137_48XSFault	1	[-]	0	0	1
5	2 (34)	1 bits	Pin126_48XSFault	1	[-]	0	0	1
5	3 (35)	1 bits	Pin114_48XSFault	1	[-]	0	0	1
5	4 (36)	1 bits	Pin125_48XSFault	1	[-]	0	0	1
5	5 (37)	1 bits	Pin113 48XSFault	1	[-]	0	0	1



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	Project_Neotec_Skyrailer		0.0	5/19/2019
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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
5	6 (38)	1 bits	Pin124 48XSFault	1	[-]	0	0	1
5	7 (39)	1 bits	Pin112 48XSFault	1	[-]	0	0	1
5	8 (40)	1 bits	Pin123_48XSFault	1	[-]	0	0	1
6	1 (41)	1 bits	Pin111_48XSFault	1	[-]	0	0	1
6	2 (42)	1 bits	Pin133_48XSFault	1	[-]	0	0	1
6	3 (43)	1 bits	Pin134_48XSFault	1	[-]	0	0	1
6	4 (44)	1 bits	Pin145_48XSFault	1	[-]	0	0	1
6	5 (45)	1 bits	Pin146_48XSFault	1	[-]	0	0	1
6	6 (46)	1 bits	Pin263_48XSFault	1	[-]	0	0	1
6	7 (47)	1 bits	Pin256_48XSFault	1	[-]	0	0	1
6	8 (48)	1 bits	Pin262_48XSFault	1	[-]	0	0	1
7	1 (49)	1 bits	Pin255_48XSFault	1	[-]	0	0	1
7	2 (50)	1 bits	Pin261_48XSFault	1	[-]	0	0	1
7	3 (51)	1 bits	Pin254_48XSFault	1	[-]	0	0	1
7	4 (52)	1 bits	Pin260_48XSFault	1	[-]	0	0	1
7	5 (53)	1 bits	Pin253_48XSFault	1	[-]	0	0	1
7	6 (54)	1 bits	Pin270_48XSFault	1	[-]	0	0	1
7	7 (55)	1 bits	Pin276_48XSFault	1	[-]	0	0	1
7	8 (56)	1 bits	Pin277_48XSFault	1	[-]	0	0	1
8	1 (57)	1 bits	Pin275_48XSFault	1	[-]	0	0	1
8	2 (58)	1 bits	Pin268_48XSFault	1	[-]	0	0	1
8	3 (59)	1 bits	Pin274_48XSFault	1	[-]	0	0	1
8	4 (60)	1 bits	Pin267_48XSFault	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin136_48XSFault	for the Neotec diag pages
1	Pin148_48XSFault	for the Neotec diag pages
1	Pin135_48XSFault	for the Neotec diag pages
1	Pin147_48XSFault	for the Neotec diag pages
1	Pin269_48XSFault	for the Neotec diag pages
1	Pin118_48XSFault	for the Neotec diag pages
1	Pin106_48XSFault	for the Neotec diag pages
1	Pin117_48XSFault	for the Neotec diag pages
2	Pin105_48XSFault	for the Neotec diag pages
2	Pin116_48XSFault	for the Neotec diag pages
2	Pin104_48XSFault	for the Neotec diag pages
2	Pin115_48XSFault	for the Neotec diag pages
2	Pin103_48XSFault	for the Neotec diag pages
2	Pin120_48XSFault	for the Neotec diag pages
2	Pin108_48XSFault	for the Neotec diag pages
2	Pin119_48XSFault	for the Neotec diag pages
3	Pin107_48XSFault	for the Neotec diag pages
3	Pin144_48XSFault	for the Neotec diag pages
3	Pin132_48XSFault	for the Neotec diag pages
3	Pin143_48XSFault	for the Neotec diag pages
3	Pin131_48XSFault	for the Neotec diag pages
3	Pin142_48XSFault	for the Neotec diag pages
3	Pin130_48XSFault	for the Neotec diag pages
3	Pin141_48XSFault	for the Neotec diag pages
4	Pin129_48XSFault	for the Neotec diag pages
4	Pin152_48XSFault	for the Neotec diag pages
4	Pin140_48XSFault	for the Neotec diag pages
4	Pin151_48XSFault	for the Neotec diag pages
4	Pin139_48XSFault	for the Neotec diag pages
4	Pin150_48XSFault	for the Neotec diag pages
4	Pin138_48XSFault	for the Neotec diag pages
4	Pin149_48XSFault	for the Neotec diag pages
5	Pin137_48XSFault	for the Neotec diag pages
5	Pin126_48XSFault	for the Neotec diag pages
5	Pin114_48XSFault	for the Neotec diag pages
5	Pin125_48XSFault	for the Neotec diag pages



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Byte	Parameter	Description
5	Pin113 48XSFault	for the Neotec diag pages
5	Pin124_48XSFault	for the Neotec diag pages
5	Pin112_48XSFault	for the Neotec diag pages
5	Pin123_48XSFault	for the Neotec diag pages
6	Pin111_48XSFault	for the Neotec diag pages
6	Pin133_48XSFault	for the Neotec diag pages
6	Pin134_48XSFault	for the Neotec diag pages
6	Pin145_48XSFault	for the Neotec diag pages
6	Pin146_48XSFault	for the Neotec diag pages
6	Pin263_48XSFault	for the Neotec diag pages
6	Pin256_48XSFault	for the Neotec diag pages
6	Pin262_48XSFault	for the Neotec diag pages
7	Pin255_48XSFault	for the Neotec diag pages
7	Pin261_48XSFault	for the Neotec diag pages
7	Pin254_48XSFault	for the Neotec diag pages
7	Pin260_48XSFault	for the Neotec diag pages
7	Pin253_48XSFault	for the Neotec diag pages
7	Pin270_48XSFault	for the Neotec diag pages
7	Pin276_48XSFault	for the Neotec diag pages
7	Pin277_48XSFault	for the Neotec diag pages
8	Pin275_48XSFault	for the Neotec diag pages
8	Pin268_48XSFault	for the Neotec diag pages
8	Pin274_48XSFault	for the Neotec diag pages
8	Pin267_48XSFault	for the Neotec diag pages

5.4.26 Msg9C0SendToEvision7

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D709	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg9C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Pin144 48XS	1	[-]	0	0	1
1	2 (2)	1 bits	Pin132 48XS	1	[-]	0	0	1
1	3 (3)	1 bits	Pin143 48XS	1	[-]	0	0	1
1	4 (4)	1 bits	Pin131 48XS	1	[-]	0	0	1
1	5 (5)	1 bits	Pin142 48XS	1	[-]	0	0	1
1	6 (6)	1 bits	Pin130_48XS	1	[-]	0	0	1
1	7 (7)	1 bits	Pin141_48XS	1	[-]	0	0	1
1	8 (8)	1 bits	Pin129_48XS	1	[-]	0	0	1
2	1 (9)	1 bits	Pin152_48XS	1	[-]	0	0	1
2	2 (10)	1 bits	Pin140_48XS	1	[-]	0	0	1
2	3 (11)	1 bits	Pin151_48XS	1	[-]	0	0	1
2	4 (12)	1 bits	Pin139_48XS	1	[-]	0	0	1
2	5 (13)	1 bits	Pin150_48XS	1	[-]	0	0	1
2	6 (14)	1 bits	Pin138_48XS	1	[-]	0	0	1
2	7 (15)	1 bits	Pin149_48XS	1	[-]	0	0	1
2	8 (16)	1 bits	Pin263_48XS	1	[-]	0	0	1
3	1 (17)	1 bits	Pin256_48XS	1	[-]	0	0	1
3	2 (18)	1 bits	Pin262_48XS	1	[-]	0	0	1
3	3 (19)	1 bits	Pin255_48XS	1	[-]	0	0	1
3	4 (20)	1 bits	Pin261_48XS	1	[-]	0	0	1
3	5 (21)	1 bits	Pin254_48XS	1	[-]	0	0	1
3	6 (22)	1 bits	Pin260_48XS	1	[-]	0	0	1
3	7 (23)	1 bits	Pin253_48XS	1	[-]	0	0	1
3	8 (24)	1 bits	Pin275_48XS	1	[-]	0	0	1



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
4	1 (25)	1 bits	Pin268_48XS	1	[-]	0	0	1
4	2 (26)	1 bits	Pin274_48XS	1	[-]	0	0	1
4	3 (27)	1 bits	Pin267_48XS	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	Pin144_48XS	for the Neotec diag pages
1	Pin132_48XS	for the Neotec diag pages
1	Pin143_48XS	for the Neotec diag pages
1	Pin131_48XS	for the Neotec diag pages
1	Pin142_48XS	for the Neotec diag pages
1	Pin130_48XS	for the Neotec diag pages
1	Pin141_48XS	for the Neotec diag pages
1	Pin129_48XS	for the Neotec diag pages
2	Pin152_48XS	for the Neotec diag pages
2	Pin140_48XS	for the Neotec diag pages
2	Pin151_48XS	for the Neotec diag pages
2	Pin139_48XS	for the Neotec diag pages
2	Pin150_48XS	for the Neotec diag pages
2	Pin138_48XS	for the Neotec diag pages
2	Pin149_48XS	for the Neotec diag pages
	Pin263_48XS	for the Neotec diag pages
3	Pin256_48XS	for the Neotec diag pages
3	Pin262_48XS	for the Neotec diag pages
3	Pin255_48XS	for the Neotec diag pages
3	Pin261_48XS	for the Neotec diag pages
3	Pin254_48XS	for the Neotec diag pages
3	Pin260_48XS	for the Neotec diag pages
3	Pin253_48XS	for the Neotec diag pages
3	Pin275_48XS	for the Neotec diag pages
4	Pin268_48XS	for the Neotec diag pages
4	Pin274_48XS	for the Neotec diag pages
4	Pin267_48XS	for the Neotec diag pages

5.4.27 Msg5C1SendToEvision7

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D705	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg5C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Reserve0	1	[-]	0	0	1
1	2 (2)	1 bits	Reserve1	1	[-]	0	0	1
1	3 (3)	1 bits	Reserve2	1	[-]	0	0	1
1	4 (4)	1 bits	Reserve3	1	[-]	0	0	1
1	5 (5)	1 bits	Reserve4	1	[-]	0	0	1
1	6 (6)	1 bits	Reserve5	1	[-]	0	0	1
1	7 (7)	1 bits	Reserve6	1	[-]	0	0	1
1	8 (8)	1 bits	Reserve7	1	[-]	0	0	1
2	1 (9)	1 bits	Pin107	1	[-]	0	0	1
2	2 (10)	1 bits	Pin131	1	[-]	0	0	1
2	3 (11)	1 bits	Pin108	1	[-]	0	0	1



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Byte	Start Bit	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	rel(absol.)	. 3						
2	4 (12)	1 bits	Pin132	1	[-]	0	0	1
2	5 (13)	1 bits	Pin109	1	[-]	0	0	1
2	6 (14)	1 bits	Pin133	1	[-]	0	0	1
2	7 (15)	1 bits	Pin110	1	[-]	0	0	1
2	8 (16)	1 bits	Pin134	1	[-]	0	0	1
3	1 (17)	1 bits	Pin111	1	[-]	0	0	1
3	2 (18)	1 bits	Pin135	1	[-]	0	0	1
3	3 (19)	1 bits	Pin112	1	[-]	0	0	1
3	4 (20)	1 bits	Pin136	1	[-]	0	0	1
3	5 (21)	1 bits	Pin113	1	[-]	0	0	1
3	6 (22)	1 bits	Pin137	1	[-]	0	0	1
3	7 (23)	1 bits	Pin114	1	[-]	0	0	1
3	8 (24)	1 bits	Pin138	1	[-]	0	0	1
4	1 (25)	1 bits	Pin140	1	[-]	0	0	1
4	2 (26)	1 bits	Pin117	1	[-]	0	0	1
4	3 (27)	1 bits	Pin141	1	[-]	0	0	1
4	4 (28)	1 bits	Pin124	1	[-]	0	0	1
4	5 (29)	1 bits	Pin148	1	[-]	0	0	1
4	6 (30)	1 bits	Pin153	1	[-]	0	0	1
4	7 (31)	1 bits	Pin177	1	[-]	0	0	1
4	8 (32)	1 bits	Pin159	1	[-]	0	0	1
5	1 (33)	1 bits	Pin183	1	[-]	0	0	1
5	2 (34)	1 bits	Pin154	1	[-]	0	0	1
5	3 (35)	1 bits	Pin178	1	[-]	0	0	1
5	4 (36)	1 bits	Pin157	1	[-]	0	0	1
5	5 (37)	1 bits	Pin181	1	[-]	0	0	1
5	6 (38)	1 bits	Pin160	1	[-]	0	0	1
5	7 (39)	1 bits	Pin184	1	[-]	0	0	1
5	8 (40)	1 bits	Pin187	1	[-]	0	0	1
6	1 (41)	1 bits	Pin163	1	[-]	0	0	1
6	2 (42)	1 bits	Pin149	1	[-]	0	0	1
6	3 (43)	1 bits	Pin173	1	[-]	0	0	1
6	4 (44)	1 bits	Pin152	1	[-]	0	0	1
6	5 (45)	1 bits	Pin176	1	[-]	0	0	1
6	6 (46)	1 bits	Pin155	1	[-]	0	0	1
6	7 (47)	1 bits	Pin179	1	[-]	0	0	1
6	8 (48)	1 bits	Pin158	1	[-]	0	0	1
7	1 (49)	1 bits	Pin182	1	[-]	0	0	1
7	2 (50)	1 bits	Pin251	1	[-]	0	0	1

Byte	Parameter	Description
1	Reserve0	for the Neotec diag pages
1	Reserve1	for the Neotec diag pages
1	Reserve2	for the Neotec diag pages
1	Reserve3	for the Neotec diag pages
1	Reserve4	for the Neotec diag pages
1	Reserve5	for the Neotec diag pages
1	Reserve6	for the Neotec diag pages
1	Reserve7	for the Neotec diag pages
2	Pin107	for the Neotec diag pages
2	Pin131	for the Neotec diag pages
2	Pin108	for the Neotec diag pages
2	Pin132	for the Neotec diag pages
2	Pin109	for the Neotec diag pages
2	Pin133	for the Neotec diag pages
2	Pin110	for the Neotec diag pages
2	Pin134	for the Neotec diag pages
3	Pin111	for the Neotec diag pages
3	Pin135	for the Neotec diag pages
3	Pin112	for the Neotec diag pages
3	Pin136	for the Neotec diag pages



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Byte	Parameter	Description
3	Pin113	for the Neotec diag pages
3	Pin137	for the Neotec diag pages
3	Pin114	for the Neotec diag pages
3	Pin138	for the Neotec diag pages
4	Pin140	for the Neotec diag pages
4	Pin117	for the Neotec diag pages
4	Pin141	for the Neotec diag pages
4	Pin124	for the Neotec diag pages
4	Pin148	for the Neotec diag pages
4	Pin153	for the Neotec diag pages
4	Pin177	for the Neotec diag pages
4	Pin159	for the Neotec diag pages
5	Pin183	for the Neotec diag pages
5	Pin154	for the Neotec diag pages
5	Pin178	for the Neotec diag pages
5	Pin157	for the Neotec diag pages
5	Pin181	for the Neotec diag pages
5	Pin160	for the Neotec diag pages
5	Pin184	for the Neotec diag pages
5	Pin187	for the Neotec diag pages
6	Pin163	for the Neotec diag pages
6	Pin149	for the Neotec diag pages
6	Pin173	for the Neotec diag pages
6	Pin152	for the Neotec diag pages
6	Pin176	for the Neotec diag pages
6	Pin155	for the Neotec diag pages
6	Pin179	for the Neotec diag pages
6	Pin158	for the Neotec diag pages
7	Pin182	for the Neotec diag pages
7	Pin251	for the Neotec diag pages

5.4.28 Msg6C1SendToEvision7

Neotec diag pages

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C1D706	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg6C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Pin230Fault	1	[-]	0	0	1
1	2 (2)	1 bits	Pin243Fault	1	[-]	0	0	1
1	3 (3)	1 bits	Pin244Fault	1	[-]	0	0	1
1	4 (4)	1 bits	Pin245Fault	1	[-]	0	0	1
1	5 (5)	1 bits	Pin256Fault	1	[-]	0	0	1
1	6 (6)	1 bits	Pin257Fault	1	[-]	0	0	1
1	7 (7)	1 bits	Pin258Fault	1	[-]	0	0	1
1	8 (8)	1 bits	Pin103Fault	1	[-]	0	0	1
2	1 (9)	1 bits	Pin127Fault	1	[-]	0	0	1
2	2 (10)	1 bits	Pin104Fault	1	[-]	0	0	1
2	3 (11)	1 bits	Pin128Fault	1	[-]	0	0	1
2	4 (12)	1 bits	Pin105Fault	1	[-]	0	0	1
2	5 (13)	1 bits	Pin129Fault	1	[-]	0	0	1
2	6 (14)	1 bits	Pin106Fault	1	[-]	0	0	1
2	7 (15)	1 bits	Pin130Fault	1	[-]	0	0	1
2	8 (16)	1 bits	Pin107Fault	1	[-]	0	0	1
3	1 (17)	1 bits	Pin131Fault	1	[-]	0	0	1
3	2 (18)	1 bits	Pin108Fault	1	[-]	0	0	1



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Byte	Start Bit	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	rel(absol.)					-		
3	3 (19)	1 bits	Pin132Fault	1	[-]	0	0	1
3	4 (20)	1 bits	Pin109Fault	1	[-]	0	0	1
3	5 (21)	1 bits	Pin133Fault	1	[-]	0	0	1
3	6 (22)	1 bits	Pin110Fault	1	[-]	0	0	1
3	7 (23)	1 bits	Pin134Fault	1	[-]	0	0	1
3	8 (24)	1 bits	Pin111Fault	1	[-]	0	0	1
4	1 (25)	1 bits	Pin135Fault	1	[-]	0	0	1
4	2 (26)	1 bits	Pin112Fault	1	[-]	0	0	1
4	3 (27)	1 bits	Pin136Fault	1	[-]	0	0	1
4	4 (28)	1 bits	Pin113Fault	1	[-]	0	0	1
4	5 (29)	1 bits	Pin137Fault	1	[-]	0	0	1
4	6 (30)	1 bits	Pin114Fault	1	[-]	0	0	1
4	7 (31)	1 bits	Pin138Fault	1	[-]	0	0	1
4	8 (32)	1 bits	Pin115Fault	1	[-]	0	0	1
5	1 (33)	1 bits	Pin139Fault	1	[-]	0	0	1
5	2 (34)	1 bits	Pin116Fault	1	[-]	0	0	1
5	3 (35)	1 bits	Pin140Fault	1	[-]	0	0	1
5	4 (36)	1 bits	Pin117Fault	1	[-]	0	0	1
5	5 (37)	1 bits	Pin141Fault	1	[-]	0	0	1
5	6 (38)	1 bits	Pin122Fault	1	[-]	0	0	1
5	7 (39)	1 bits	Pin146Fault	1	[-]	0	0	1
5	8 (40)	1 bits	Pin123Fault	1	[-]	0	0	1
6	1 (41)	1 bits	Pin147Fault	1	[-]	0	0	1
6	2 (42)	1 bits	Pin124Fault	1	[-]	0	0	1
6	3 (43)	1 bits	Pin148Fault	1	[-]	0	0	1
6	4 (44)	1 bits	Pin153Fault	1	[-]	0	0	1
6	5 (45)	1 bits	Pin177Fault	1	[-]	0	0	1
6	6 (46)	1 bits	Pin156Fault	1	[-]	0	0	1
6	7 (47)	1 bits	Pin180Fault	1	[-]	0	0	1
6	8 (48)	1 bits	Pin159Fault	1	[-]	0	0	1
7	1 (49)	1 bits	Pin183Fault	1	[-]	0	0	1
7	2 (50)	1 bits	Pin186Fault	1	[-]	0	0	1
7	3 (51)	1 bits	Pin162Fault	1	[-]	0	0	1
7	4 (52)	1 bits	Pin189Fault	1	[-]	0	0	1
7	5 (53)	1 bits	Pin165Fault	1	[-]	0	0	1
7	6 (54)	1 bits	Pin192Fault	1	[-]	0	0	1
7	7 (55)	1 bits	Pin168Fault	1	[-]	0	0	1
7	8 (56)	1 bits	Pin195Fault	1	[-]	0	0	1
8	1 (57)	1 bits	Pin171Fault	1	[-]	0	0	1
8	2 (58)	1 bits	Pin154Fault	1	[-]	0	0	1
8	3 (59)	1 bits	Pin178Fault	1	[-]	0	0	1
8	4 (60)	1 bits	Pin157Fault	1	[-]	0	0	1
8	5 (61)	1 bits	Pin181Fault	1	[-j	0	0	1
8	6 (62)	1 bits	Pin160Fault	1	[-]	0	0	1
8	7 (63)	1 bits	Pin184Fault	1	[-]	0	0	1
8	8 (64)	1 bits	Pin187Fault	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin230Fault	for the Neotec diag pages
1	Pin243Fault	for the Neotec diag pages
1	Pin244Fault	for the Neotec diag pages
1	Pin245Fault	for the Neotec diag pages
1	Pin256Fault	for the Neotec diag pages
1	Pin257Fault	for the Neotec diag pages
1	Pin258Fault	for the Neotec diag pages
1	Pin103Fault	for the Neotec diag pages
2	Pin127Fault	for the Neotec diag pages
2	Pin104Fault	for the Neotec diag pages
2	Pin128Fault	for the Neotec diag pages
2	Pin105Fault	for the Neotec diag pages
2	Pin129Fault	for the Neotec diag pages



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D: 40	Parameter	Description
Byte 2	Parameter Pin106Fault	Description for the Neotec diag pages
2	Pin130Fault	for the Neotec diag pages
2	Pin107Fault	for the Neotec diag pages
3	Pin131Fault	for the Neotec diag pages
3	Pin108Fault	for the Neotec diag pages
3	Pin132Fault	for the Neotec diag pages
3	Pin109Fault	for the Neotec diag pages
3	Pin133Fault	for the Neotec diag pages
3	Pin110Fault	for the Neotec diag pages
3	Pin134Fault	for the Neotec diag pages
3	Pin111Fault	for the Neotec diag pages
4	Pin135Fault	for the Neotec diag pages
4	Pin112Fault	for the Neotec diag pages
4	Pin136Fault	01 0
4	Pin136Fault	for the Neotec diag pages
4	Pin137Fault	for the Neotec diag pages for the Neotec diag pages
4	Pin137Fault Pin114Fault	01 0
		for the Neotec diag pages
4	Pin138Fault	for the Neotec diag pages
	Pin115Fault	for the Neotec diag pages
5	Pin139Fault	for the Neotec diag pages
5	Pin116Fault	for the Neotec diag pages
5	Pin140Fault	for the Neotec diag pages
5	Pin117Fault	for the Neotec diag pages
5	Pin141Fault	for the Neotec diag pages
5	Pin122Fault	for the Neotec diag pages
5	Pin146Fault	for the Neotec diag pages
5	Pin123Fault	for the Neotec diag pages
6	Pin147Fault	for the Neotec diag pages
6	Pin124Fault	for the Neotec diag pages
6	Pin148Fault	for the Neotec diag pages
6	Pin153Fault	for the Neotec diag pages
6	Pin177Fault	for the Neotec diag pages
6	Pin156Fault	for the Neotec diag pages
6	Pin180Fault	for the Neotec diag pages
6	Pin159Fault	for the Neotec diag pages
7	Pin183Fault	for the Neotec diag pages
7	Pin186Fault	for the Neotec diag pages
7	Pin162Fault	for the Neotec diag pages
7	Pin189Fault	for the Neotec diag pages
7	Pin165Fault	for the Neotec diag pages
7	Pin192Fault	for the Neotec diag pages
7	Pin168Fault	for the Neotec diag pages
7	Pin195Fault	for the Neotec diag pages
8	Pin171Fault	for the Neotec diag pages
8	Pin154Fault	for the Neotec diag pages
8	Pin178Fault	for the Neotec diag pages
8	Pin157Fault	for the Neotec diag pages
8	Pin181Fault	for the Neotec diag pages
8	Pin160Fault	for the Neotec diag pages
8	Pin184Fault	for the Neotec diag pages
8	Pin187Fault	for the Neotec diag pages

Msg7C1SendToEvision7 5.4.29

Neotec diag pages

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ı	8	C1D707	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg7C1SendToEvision7



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Byte	Start Bit	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	rel(absol.)							
1	1 (1)	1 bits	Pin163Fault	1	[-]	0	0	1
1	2 (2)	1 bits	Pin190Fault	1	[-]	0	0	1
1	3 (3)	1 bits	Pin166Fault	1	[-]	0	0	1
1	4 (4)	1 bits	Pin193Fault	1	[-]	0	0	1
1	5 (5)	1 bits	Pin169Fault	1	[-]	0	0	1
1	6 (6)	1 bits	Pin196Fault	1	[-]	0	0	1
1	7 (7)	1 bits	Pin172Fault	1	[-]	0	0	1
1	8 (8)	1 bits	Pin101Fault	1	[-]	0	0	1
2	1 (9)	1 bits	Pin125Fault	1	[-]	0	0	1
2	2 (10)	1 bits	Pin150Fault	1	[-]	0	0	1
2	3 (11)	1 bits	Pin174Fault	1	[-]	0	0	1
2	4 (12)	1 bits	Pin102Fault	1	[-]	0	0	1
2	5 (13)	1 bits	Pin126Fault	1	[-]	0	0	1
2	6 (14)	1 bits	Pin151Fault	1	[-]	0	0	1
2	7 (15)	1 bits	Pin175Fault	1	[-]	0	0	1
2	8 (16)	1 bits	Pin149Fault	1	[-]	0	0	1
3	1 (17)	1 bits	Pin173Fault	1	[-]	0	0	1
3	2 (18)	1 bits	Pin152Fault	1	[-]	0	0	1
3	3 (19)	1 bits	Pin176Fault	1	[-]	0	0	1
3	4 (20)	1 bits	Pin155Fault	1	[-]	0	0	1
3	5 (21)	1 bits	Pin179Fault	1	[-]	0	0	1
3	6 (22)	1 bits	Pin158Fault	1	[-]	0	0	1
3	7 (23)	1 bits	Pin182Fault	1	[-]	0	0	1
3	8 (24)	1 bits	Pin251Fault	1	[-]	0	0	1
4	1 (25)	1 bits	Pin238Fault	1	[-]	0	0	1
4	2 (26)	1 bits	Pin252Fault	1	[-]	0	0	1
4	3 (27)	1 bits	Pin239Fault	1	[-]	0	0	1
4	4 (28)	1 bits	Pin253Fault	1	[-]	0	0	1
4	5 (29)	1 bits	Pin240Fault	1	[-]	0	0	1
4	6 (30)	1 bits	Pin254Fault	1	[-]	0	0	1
4	7 (31)	1 bits	Pin241Fault	1	[-]	0	0	1
4	8 (32)	1 bits	Pin161Fault	1	[-]	0	0	1
5	1 (33)	1 bits	Pin185Fault	1	[-]	0	0	1
5	2 (34)	1 bits	Pin188Fault	1	[-]	0	0	1
5	3 (35)	1 bits	Pin164Fault	1	[-]	0	0	1
5	4 (36)	1 bits	Pin191Fault	1	[-]	0	0	1
5	5 (37)	1 bits	Pin167Fault	1	[-]	0	0	1
5	6 (38)	1 bits	Pin194Fault	1	[-]	0	0	1
5	7 (39)	1 bits	Pin170Fault	1	[-]	0	0	1

Byte	Parameter	Description
1	Pin163Fault	for the Neotec diag pages
1	Pin190Fault	for the Neotec diag pages
1	Pin166Fault	for the Neotec diag pages
1	Pin193Fault	for the Neotec diag pages
1	Pin169Fault	for the Neotec diag pages
1	Pin196Fault	for the Neotec diag pages
1	Pin172Fault	for the Neotec diag pages
1	Pin101Fault	for the Neotec diag pages
2	Pin125Fault	for the Neotec diag pages
2	Pin150Fault	for the Neotec diag pages
2	Pin174Fault	for the Neotec diag pages
2	Pin102Fault	for the Neotec diag pages
2	Pin126Fault	for the Neotec diag pages
2	Pin151Fault	for the Neotec diag pages
2	Pin175Fault	for the Neotec diag pages
2	Pin149Fault	for the Neotec diag pages
3	Pin173Fault	for the Neotec diag pages
3	Pin152Fault	for the Neotec diag pages
3	Pin176Fault	for the Neotec diag pages



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Byte	Parameter	Description
3	Pin155Fault	for the Neotec diag pages
3	Pin179Fault	for the Neotec diag pages
3	Pin158Fault	for the Neotec diag pages
3	Pin182Fault	for the Neotec diag pages
3	Pin251Fault	for the Neotec diag pages
4	Pin238Fault	for the Neotec diag pages
4	Pin252Fault	for the Neotec diag pages
4	Pin239Fault	for the Neotec diag pages
4	Pin253Fault	for the Neotec diag pages
4	Pin240Fault	for the Neotec diag pages
4	Pin254Fault	for the Neotec diag pages
4	Pin241Fault	for the Neotec diag pages
4	Pin161Fault	for the Neotec diag pages
5	Pin185Fault	for the Neotec diag pages
5	Pin188Fault	for the Neotec diag pages
5	Pin164Fault	for the Neotec diag pages
5	Pin191Fault	for the Neotec diag pages
5	Pin167Fault	for the Neotec diag pages
5	Pin194Fault	for the Neotec diag pages
5	Pin170Fault	for the Neotec diag pages

Msg8C1SendToEvision7 5.4.30

Neotec diag pages

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ı	8	C1D708	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg8C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gPvgDeltaArmVoltage	1	[-]	0	0	65535
3	1 (17)	16 bits	gPvgArrowArmVoltage	1	[-]	0	0	65535
5	1 (33)	16 bits	gPvgTelescopeArmVoltage	1	[-]	0	0	65535
7	1 (49)	16 bits	gPvgEvTorVoltage	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	gPvgDeltaArmVoltage	new signal
3	gPvgArrowArmVoltage	-
5	gPvgTelescopeArmVoltage	-
7	gPvgEvTorVoltage	-

Msg10C0SendToEvision7 5.4.31

Msg10C0SendToEvision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	C0D70A	50	49367 (0xC0D7)	C2	C0	Intel



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Signals of message Msg10C0SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gPressureBlockOscillation	1	[-]	0	-32768	32767
3	1 (17)	16 bits	gTTC580Version	1	[-]	0	-32768	32767
5	1 (33)	16 bits	gTTC580Release	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gJoystAdvanceScaling	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	gPressureBlockOscillation	-
3	gTTC580Version	-
5	gTTC580Release	-
7	gJoystAdvanceScaling	-

5.4.32 Msg9C1SendToEvision7

Msg9C1SendToEvision7

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
ı	8	C1D709	50	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg9C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gPendularMoveUp	1	[-]	0	0	1
1	2 (2)	1 bits	gPendularMoveDown	1	[-]	0	0	1
1	3 (3)	1 bits	gBasketRotCtClockWiseMove	1	[-]	0	0	1
1	4 (4)	1 bits	gBasketRtClockWiseMove	1	[-]	0	0	1
1	5 (5)	1 bits	gBasketInclinaisonMoveUp	1	[-]	0	0	1
1	6 (6)	1 bits	gBasketInclinaisonMoveDown	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	gPendularMoveUp	-
1	gPendularMoveDown	-
1	gBasketRotCtClockWiseMove	-
1	gBasketRtClockWiseMove	-
1	gBasketInclinaisonMoveUp	-
1	gBasketInclinaisonMoveDown	-

Msg10C1SendToEvision7 5.4.33

Msg10C1SendToEvision7

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
Į	8	C1D70A	50	49623 (0xC1D7)	C2	C1	Intel



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Signals of message Msg10C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gTTC510Version	1	[-]	0	-32768	32767
3	1 (17)	16 bits	gTTC510Release	1	[-]	0	-32768	32767
5	1 (33)	16 bits	gTTC48XSVersion	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gTTC48XSRelease	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	gTTC510Version	-
3	gTTC510Release	-
5	gTTC48XSVersion	-
7	gTTC48XSRelease	-

5.4.34 Msg11C1SendToEvision7

Msg11C1SendToEvision7

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	PGN	RX	TX	Byte Order
8	18FF000B	50	65280 (0xFF00)	C2	C1	Intel

Signals of message Msg11C1SendToEvision7

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	gScalingJoysTurret	1	[-]	0	-32768	32767
3	1 (17)	16 bits	gScalingJoysDeltaArm	1	[-]	0	-32768	32767
5	1 (33)	16 bits	gScalingJoysArrowArm	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gScalingJoysTelescopeArm	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	gScalingJoysTurret	-
3	gScalingJoysDeltaArm	-
5	gScalingJoysArrowArm	-
7	gScalingJovsTelescopeArm	-

5.5 ECU - CAN Settings for CAN bus CO_CAN_2_Radio

Property	Value
CAN	0
Baud Rate	250 kBaud
Source Address (SA) of ECU C0 (TTC580)	

Bidirectional Messages on bus CO_CAN_2_Radio

The following tables showing the relevant bidirectional messages.



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5.6.1 Start

Start message

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
	2	0	50	C0	Intel

Signals of message Start

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	Nodeld	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	Command	-
2	Nodeld	-

5.6.2 HeartBeat

Heart Beat

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
1	73C	500	C0	Intel

Signals of message HeartBeat

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	State	-

5.6.3 ReadAnalogInput

read analog input packet

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	1BC	80	C0	Intel



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Signals of message ReadAnalogInput

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	LeftManipulator	1	[-]	0	0	255
2	1 (9)	8 bits	RightManipulator	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	LeftManipulator	-
2	RightManipulator	-

5.6.4 ReadOnOfffInput

read on off input packet

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	2BC	80	C0	Intel

Signals of message ReadOnOfffInput

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	2 bits	LeftManipulatorPosition	1	[-]	0	0	3
1	3 (3)	2 bits	RightManipulatorPosition	1	[-]	0	0	3
1	5 (5)	1 bits	UpPendularOrRotClockTurret	1	[-]	0	0	1
1	6 (6)	1 bits	UpAxleArFixe	1	[-]	0	0	1
1	7 (7)	1 bits	DownAxleArFixe	1	[-]	0	0	1
1	8 (8)	1 bits	ForcingAdvanceTrack	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleAvOscillant	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleAvOscillant	1	[-]	0	0	1
2	3 (11)	1 bits	RotFrameCtClockwise	1	[-]	0	0	1
2	4 (12)	1 bits	RotFrameClockwise	1	[-]	0	0	1
2	5 (13)	1 bits	SelectorPendular	1	[-]	0	0	1
2	7 (15)	1 bits	SelectorRotTurret	1	[-]	0	0	1
2	8 (16)	1 bits	DownPendularOrRotCtClockTurret	1	[-]	0	0	1
8	6 (62)	1 bits	StopRadioCommand	1	[-]	0	0	1
8	7 (63)	1 bits	StartRadioCommand	1	[-]	0	0	1
8	8 (64)	1 bits	KlaxonCommand	1	[-]	0	0	1

Byte	Parameter	Description
1	LeftManipulatorPosition	-
1	RightManipulatorPosition	-
1	UpPendularOrRotClockTurret	-
1	UpAxleArFixe	-
1	DownAxleArFixe	-
1	ForcingAdvanceTrack	-
2	UpAxleAvOscillant	-
2	DownAxleAvOscillant	-
2	RotFrameCtClockwise	-
2	RotFrameClockwise	-
2	SelectorPendular	-
2	SelectorRotTurret	-
2	DownPendularOrRotCtClockTurret	-



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Byte	Parameter	Description
8	StopRadioCommand	-
8	StartRadioCommand	-
8	KlaxonCommand	-

5.6.5 WriteLed

write led packet

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
-	8	364	50	C0	Intel

Signals of message WriteLed

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	Led_1_8	1	[-]	0	0	1
1	2 (2)	1 bits	Led_9_11	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	Led_1_8	-
1	Led_9_11	-

5.7 ECU - CAN Settings for CAN bus CO_C1_CAN_1_TTC48XS

Property	Value
CAN	0
Baud Rate	250 kBaud
Source Address (SA) of ECU C0 (TTC580)	
Source Address (SA) of ECU C1 (TTC580)	

Bidirectional Messages on bus CO_C1_CAN_1_TTC48XS

The following tables showing the relevant bidirectional messages.

5.8.1 eVision4Msg1

eVision4Msg1

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
	8	403	200	C1	Intel

Signals of message eVision4Msg1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	. ()							



	J			
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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gBattery On Off	1	[-]	0	0	1
1	2 (2)	1 bits	gPreheat_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gSTOP On Off	1	[-]	0	0	1
1	4 (4)	1 bits	gEngine_Faillure_On_Off	1	[-]	0	0	1
1	5 (5)	1 bits	gMaintenance On Off	1	[-]	0	0	1
1	6 (6)	1 bits	gOil On OFF	1	[-]	0	0	1
1	7 (7)	1 bits	gDeltaSectorDown	1	[-]	0	0	1
1	8 (8)	1 bits	gArrowSectorDown	1	[-]	0	0	1
2	1 (9)	1 bits	gPendularSectorDown	1	[-]	0	0	1
2	2 (10)	1 bits	gDeltaArmInCenter	1	[-]	0	0	1
2	3 (11)	1 bits	gArrowArmInCenter	1	[-]	0	0	1
2	4 (12)	1 bits	gPendularInCenter	1	[-]	0	0	1
2	5 (13)	1 bits	gBasketRotationInCenter	1	[-]	0	0	1
2	6 (14)	1 bits	gTelescopeInCenter	1	[-]	0	0	1
2	7 (15)	1 bits	gBasketInclinaisonInCenter	1	[-]	0	0	1
2	8 (16)	1 bits	gDeltaArmMoveUpAllow	1	[-]	0	0	1
3	1 (17)	1 bits	gDeltaArmMoveDownAllow	1	[-]	0	0	1
3	2 (18)	1 bits	gArrowArmMoveUpAllow	1	[-]	0	0	1
3	3 (19)	1 bits	gArrowArmMoveDownAllow	1	[-]	0	0	1
3	4 (20)	1 bits	gPendularMoveUpAllow	1	[-]	0	0	1
3	5 (21)	1 bits	gPendularMoveDownAllow	1	[-]	0	0	1
3	6 (22)	1 bits	gTelescopeMoveOutAllow	1	[-]	0	0	1
3	7 (23)	1 bits	gTelescopeMoveInAllow	1	[-]	0	0	1
3	8 (24)	1 bits	gTurretCntrClockWiseMoveAllow	1	[-]	0	0	1
4	1 (25)	1 bits	gTurretClockWiseMoveAllow	1	[-]	0	0	1
4	2 (26)	1 bits	gBasketRotCtClockWiseMoveAllow	1	[-]	0	0	1
4	3 (27)	1 bits	gBasketRotClockWiseMoveAllow	1	[-]	0	0	1
4	4 (28)	1 bits	gBasketInclinaisonMoveUpAllow	1	[-]	0	0	1
4	5 (29)	1 bits	gBasketIncliMoveDownAllow	1	[-]	0	0	1

Byte	Parameter	Description
1	gBattery_On_Off	-
1	gPreheat_On_Off	-
1	gSTOP_On_Off	-
1	gEngine_Faillure_On_Off	-
1	gMaintenance_On_Off	-
1	gOil_On_OFF	-
1	gDeltaSectorDown	-
1	gArrowSectorDown	-
2	gPendularSectorDown	-
2	gDeltaArmInCenter	-
2	gArrowArmInCenter	-
2	gPendularInCenter	-
2	gBasketRotationInCenter	-
2	gTelescopeInCenter	-
2	gBasketInclinaisonInCenter	-
2	gDeltaArmMoveUpAllow	-
3	gDeltaArmMoveDownAllow	-
3	gArrowArmMoveUpAllow	-
3	gArrowArmMoveDownAllow	-
3	gPendularMoveUpAllow	-
3	gPendularMoveDownAllow	-
3	gTelescopeMoveOutAllow	-
3	gTelescopeMoveInAllow	-
3	gTurretCntrClockWiseMoveAllow	-
4	gTurretClockWiseMoveAllow	-
4	gBasketRotCtClockWiseMoveAllow	-
4	gBasketRotClockWiseMoveAllow	-
4	gBasketInclinaisonMoveUpAllow	-
4	gBasketIncliMoveDownAllow	-



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5.8.2 eVision4Msg2

eVision4Msg2

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
-	8	503	200	C1	Intel

Signals of message eVision4Msg2

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	gFuel	1	[-]	0	0	255
2	1 (9)	16 bits	gBattery_Voltage	1	[-]	0	0	65535
4	1 (25)	16 bits	gEngineRpm	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	gFuel	-
2	gBattery_Voltage	-
4	gEngineRpm	-

5.8.3 Msg1C1RcvFromOpus

Msg1C1RcvFromOpus

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	183	40	C0, C1	Intel

Signals of message Msg1C1RcvFromOpus

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	gLifeByte	1	[-]	0	0	255
2	1 (9)	1 bits	gDelta_Arm_Move_Up	1	[-]	0	0	1
2	2 (10)	1 bits	gDelta_Arm_Move_Down	1	[-]	0	0	1
2	3 (11)	1 bits	gArrow_Arm_Move_Up	1	[-]	0	0	1
2	4 (12)	1 bits	gArrow_Arm_Move_Down	1	[-]	0	0	1
2	5 (13)	1 bits	gPendular_Arm_Move_Up	1	[-]	0	0	1
2	6 (14)	1 bits	gPendular_Arm_Move_Down	1	[-]	0	0	1
2	7 (15)	1 bits	gTelescope_Move_Out	1	[-]	0	0	1
2	8 (16)	1 bits	gTelescope_Move_In	1	[-]	0	0	1
3	1 (17)	1 bits	gBasket_Inclinaison_Move_Up	1	[-]	0	0	1
3	2 (18)	1 bits	gBasket_Inclinaison_Move_Down	1	[-]	0	0	1
3	3 (19)	1 bits	gTurret_Rotate_ClockWise	1	[-]	0	0	1
3	4 (20)	1 bits	gTurret_Rotate_Cntr_ClockWise	1	[-]	0	0	1
3	5 (21)	1 bits	gBasket_Rotation_Move_Up	1	[-]	0	0	1
3	6 (22)	1 bits	gBasket_Rotation_Move_Down	1	[-]	0	0	1



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Byte	Parameter	Description
1	gLifeByte	-
2	gDelta_Arm_Move_Up	-
2	gDelta_Arm_Move_Down	-
2	gArrow_Arm_Move_Up	-
2	gArrow_Arm_Move_Down	-
2	gPendular_Arm_Move_Up	-
2	gPendular_Arm_Move_Down	-
2	gTelescope_Move_Out	-
2	gTelescope_Move_In	-
3	gBasket_Inclinaison_Move_Up	-
3	gBasket_Inclinaison_Move_Down	-
3	gTurret_Rotate_ClockWise	-
3	gTurret_Rotate_Cntr_ClockWise	-
3	gBasket_Rotation_Move_Up	-
3	gBasket_Rotation_Move_Down	-

5.8.4 PDO0_48XS

PDO 0 48XS slave to master

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	18A	10	C0, C1	Intel

Signals of message PDO0_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	UpInclinaisonBasket	1	[-]	0	0	65535
3	1 (17)	16 bits	DownInclinaisonBasket	1	[-]	0	0	65535
5	1 (33)	16 bits	UpPendular	1	[-]	0	0	65535
7	1 (49)	16 bits	DownPendular	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	UpInclinaisonBasket	-
3	DownInclinaisonBasket	-
5	UpPendular	-
7	DownPendular	-

5.8.5 PDO1_48XS

PDO 1 48XS slave to master

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
ı	8	28A	10	C0, C1	Intel

Signals of message PDO1_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	RotationClockwiseBasket	1	[-]	0	0	65535



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
3	1 (17)	16 bits	RotationCtClockwiseBasket	1	[-]	0	0	65535
5	1 (33)	16 bits	Overload1	1	[-]	0	0	65535
7	1 (49)	16 bits	Overload2	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	RotationClockwiseBasket	-
3	RotationCtClockwiseBasket	-
5	Overload1	-
7	Overload2	-

5.8.6 PDO2_48XS

PDO 2 48XS slave to master

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	38A	10	C0, C1	Intel

Signals of message PDO2_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	NacelleBasketRightSideSensor1	1	[-]	0	0	65535
3	1 (17)	16 bits	NacelleBasketRightSideSensor2	1	[-]	0	0	65535
5	1 (33)	16 bits	NacelleBasketLeftSideSensor1	1	[-]	0	0	65535
7	1 (49)	16 bits	NacelleBasketLeftSideSensor2	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	NacelleBasketRightSideSensor1	-
3	NacelleBasketRightSideSensor2	-
5	NacelleBasketLeftSideSensor1	-
7	NacelleBasketLeftSideSensor2	-

5.8.7 PDO3_48XS

PDO 3 48XS slave to master

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	48A	10	C0, C1	Intel

Signals of message PDO3_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	LowSectorPendularSensor	1	[-]	0	0	65535
3	1 (17)	16 bits	HighSectorPlateSensor	1	[-]	0	0	65535
5	1 (33)	16 bits	FoldedLadderSensor	1	[-]	0	0	65535



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
7	1 (49)	16 bits	SafetyManSystem	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	LowSectorPendularSensor	-
3	HighSectorPlateSensor	-
5	FoldedLadderSensor	-
7	SafetyManSystem	-

5.8.8 PDO4_48XS

PDO 4 48XS slave to master

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
Į	8	6A0	10	C0, C1	Intel

Signals of message PDO4_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	DeltaArmAxisJoystick	1	[-]	0	0	65535
3	1 (17)	16 bits	ArrowArmAxisJoystick	1	[-]	0	0	65535
5	1 (33)	16 bits	TelescopeArmAxisJoysitck	1	[-]	0	0	65535
7	1 (49)	16 bits	RotationTurretAxisJoystick	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	DeltaArmAxisJoystick	-
3	ArrowArmAxisJoystick	-
5	TelescopeArmAxisJoysitck	-
7	RotationTurretAxisJoystick	-

5.8.9 PDO5_48XS

PDO 5 48XS slave to master

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
-	8	6A1	10	C0, C1	Intel

Signals of message PDO5_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	AdvanceAxisJoystick	1	[-]	0	0	65535
3	1 (17)	16 bits	RearmementSafetyManSystem	1	[-]	0	0	65535
5	1 (33)	16 bits	AbutementNacelleTrackSide	1	[-]	0	0	65535
7	1 (49)	16 bits	AbutementNacelleCenteredSide	1	[-]	0	0	65535



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Parameter Descriptions

Byte	Parameter	Description
1	AdvanceAxisJoystick	-
3	RearmementSafetyManSystem	-
5	AbutementNacelleTrackSide	-
7	AbutementNacelleCenteredSide	-

PDO6_48XS 5.8.10

PDO 6 48XS slave to master

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	6A2	10	C0, C1	Intel

Signals of message PDO6_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	DeltaArmJystckCenteredTelesc	1	[-]	0	0	1
1	2 (2)	1 bits	ArrowJoystickCenteredTurret	1	[-]	0	0	1
1	3 (3)	1 bits	CenteredAdvanceJoystick	1	[-]	0	0	1
1	4 (4)	1 bits	DeadManPedal	1	[-]	0	0	1
1	5 (5)	1 bits	PressenceInNacelleSensor1	1	[-]	0	0	1
1	6 (6)	1 bits	PressenceInNacelleSensor2	1	[-]	0	0	1
1	7 (7)	1 bits	Gachette	1	[-]	0	0	1
1	8 (8)	1 bits	Klaxon	1	[-]	0	0	1
2	1 (9)	1 bits	StopMotorButton	1	[-]	0	0	1
2	2 (10)	1 bits	AuthorizationWorkKey	1	[-]	0	0	1
2	3 (11)	1 bits	EtallonnageJoystickButton	1	[-]	0	0	1
2	4 (12)	1 bits	ClosePortillon	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	DeltaArmJystckCenteredTelesc	-
1	ArrowJoystickCenteredTurret	-
1	CenteredAdvanceJoystick	-
1	DeadManPedal	-
1	PressenceInNacelleSensor1	-
1	PressenceInNacelleSensor2	-
1	Gachette	-
1	Klaxon	-
2	StopMotorButton	-
2	AuthorizationWorkKey	-
2	EtallonnageJoystickButton	-
2	ClosePortillon	-

5.8.11 PDO7_48XS

PDO 7 48XS master to slave



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	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
ı	8	20A	10	C1	Intel

Signals of message PDO7_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	MotorDefaultLight	1	[-]	0	0	1
1	2 (2)	1 bits	OverloadLight	1	[-]	0	0	1
1	4 (4)	1 bits	Buzzer	1	[-]	0	0	1
1	5 (5)	1 bits	SupplyDeadManPedalAndJoysticks	1	[-]	0	0	1
1	6 (6)	1 bits	WarmingLight	1	[-]	0	0	1
1	7 (7)	1 bits	DeversDefaultLight	1	[-]	0	0	1
1	8 (8)	1 bits	GasOilLight	1	[-]	0	0	1
2	1 (9)	1 bits	WhiteLights	1	[-]	0	0	1
2	2 (10)	1 bits	RedLights	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	MotorDefaultLight	-
1	OverloadLight	-
1	Buzzer	-
1	SupplyDeadManPedalAndJoysticks	-
1	WarmingLight	-
1	DeversDefaultLight	-
1	GasOilLight	-
2	WhiteLights	-
2	RedLights	-

Start_48XS 5.8.12

Message Can to start slave module 48XS

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
2	0	50	C1	Intel

Signals of message Start_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	Nodeld	1	[-]	0	0	255

Byte	Parameter	Description
1	Command	-
2	Nodeld	-



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5.8.13 Sync_48XS

Sync message send to slave module 48XS

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
	1	80	10	C1	Intel

Signals of message Sync_48XS

I	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	1	1 (1)	1 bits	Signal	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	Signal	-

5.8.14 Hearbeat_48XS

Hearbeat receive by slave module 48XS

ĺ	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
ı	1	70A	200	C0, C1	Intel

Signals of message Hearbeat 48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

ı	Byte	Parameter	Description
	1	State	-

5.8.15 PDO8_48XS

PDO 8 48XS slave to master

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
ı	2	6A8	10	C0, C1	Intel

Signals of message PDO8_48XS

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	BatterieVoltage48Xs	1	[-]	0	0	65535



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Parameter Descriptions

Byte	Parameter	Description
1	BatterieVoltage48Xs	-

5.8.16 Hearbeat_Telescope

Hearbeat receive by retrator telescope sensor

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	729	200	C1	Intel

Signals of message Hearbeat_Telescope

I	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
-	1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	State	-

5.8.17 eVision4Msg3Debug

eVision4Msg3Debug

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
8	404	200	C1	Intel

Signals of message eVision4Msg3Debug

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	DebugDeltaArmAngle	1	[-]	0	-32768	32767
3	1 (17)	16 bits	DebugArrowArmAngle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	DebugTelescopePosition	1	[-]	0	-32768	32767
7	1 (49)	16 bits	DebugVehicleSlope	1	[-]	0	-32768	32767

Byte	Parameter	Description
1	DebugDeltaArmAngle	-
3	DebugArrowArmAngle	-
5	DebugTelescopePosition	-
7	DebugVehicleSlope	-



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Msg1C0SendToOpus 5.8.18

Message 1 send by C0 to Opus

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
8	203	200	C0	Intel

Signals of message Msg1C0SendToOpus

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	1 bits	gBreak_Parking_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gBreak_Faillure_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gTurretSectorInCenter	1	[-]	0	0	1
1	4 (4)	1 bits	gTurretInCenter	1	[-]	0	0	1

Parameter Descriptions

Byte	Parameter	Description
1	gBreak_Parking_On_Off	new signal
1	gBreak_Faillure_On_Off	new signal
1	gTurretSectorInCenter	new signal
1	gTurretInCenter	new signal

Msg2C0SendToOpus 5.8.19

Msg2C0SendToOpus

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
8	303	200	C0	Intel

Signals of message Msg2C0SendToOpus

E	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1		1 (1)	16 bits	gEngine_Use_Time	1	[-]	0	0	65535
3	}	1 (17)	16 bits	gEncodeurTurretAngle	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	Parameter	Description
1	gEngine_Use_Time	new signal
3	gEncodeurTurretAngle	-

5.9 ECU - CAN Settings for CAN bus CO_CAN_3

Property	Value
CAN	0
Baud Rate	250 kBaud
Source Address (SA) of ECU C0 (TTC580)	

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5.10 Bidirectional Messages on bus CO_CAN_3

The following tables showing the relevant bidirectional messages.

5.10.1 **StartSensor**

Start devers frame sensor

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	TX	Byte Order
2	0	100	C0	Intel

Signals of message StartSensor

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	Nodeld	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	Command	-
2	Nodeld	-

5.10.2 **HeartBeatDeversFrame**

Heart Beat Devers Frame

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
1	72B	50	C0	Intel

Signals of message HeartBeatDeversFrame

ĺ	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
	1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	State	-

DeversFrame1 5.10.3

devers frame value



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DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	1AB	50	C0	Intel

Signals of message DeversFrame1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	Y_Axis_Angle	1	[-]	0	-32768	32767
3	1 (17)	16 bits	X_Axis_Angle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	Temperature	1	[-]	0	0	65535
7	1 (49)	8 bits	Alarm	1	[-]	0	0	255
8	1 (57)	8 bits	SWVersion	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	Y_Axis_Angle	-
3	X_Axis_Angle	-
5	Temperature	-
7	Alarm	-
8	SWVersion	-

5.10.4 **EncodeurTurret1**

Encodeur turret 1

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	1B3	100	C0	Intel

Signals of message EncodeurTurret1

E	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1		1 (1)	32 bits	EncodeurTurret1	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	Parameter	Description
1	EncodeurTurret1	-

EncodeurTurret2 5.10.5

Encodeur Turret 2

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
ı	8	1B4	50	C0	Intel

Signals of message EncodeurTurret2



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E	Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1		1 (1)	32 bits	EncodeurTurret2	1	[-]	0	0	4294967295

Parameter Descriptions

Ī	Byte	Parameter	Description
ı	1	EncodeurTurret2	-

HeartBeatEncodeurTurret 5.10.6

HeartBeatEncodeurTurret

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	733	50	C0	Intel

Signals of message HeartBeatEncodeurTurret

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description					
1	State	-					

5.10.7 **MastMeasure**

Mast encoder data

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	1B1	500	C0	Intel

Signals of message MastMeasure

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	32 bits	EncodeurMastMeasure	1	[-]	0	0	4294967295

Byte	Parameter	Description
1	EncodeurMastMeasure	-



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5.10.8 DeversFrame2

DeversFrame2

DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
8	1AC	50	C0	Intel

Signals of message DeversFrame2

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	Y_Axis_Angle	1	[-]	0	-32768	32767
3	1 (17)	16 bits	X_Axis_Angle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	Temperature	1	[-]	0	0	65535
7	1 (49)	8 bits	Alarm	1	[-]	0	0	255
8	1 (57)	8 bits	SWVersion	1	[-]	0	0	255

Parameter Descriptions

Byte	Parameter	Description
1	Y_Axis_Angle	-
3	X_Axis_Angle	-
5	Temperature	-
7	Alarm	-
8	SWVersion	-

5.11 ECU - CAN Settings for CAN bus C1_CAN_2

Property	Value
CAN	0
Baud Rate	250 kBaud
Source Address (SA) of ECU C1 (TTC580)	

5.12 Bidirectional Messages on bus C1_CAN_2

The following tables showing the relevant bidirectional messages.

5.12.1 TelescopeFrame1

TelescopeFrame1

Ī	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
	8	1A9	50	C1	Intel

Signals of message TelescopeFrame1

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	AngleTelescope1	1	[-]	0	0	65535
3	1 (17)	8 bits	ErrorTelescope1	1	[-]	0	0	255



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Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
5	1 (33)	16 bits	LenghtTelescope1	1	[-]	0	0	65535

Parameter Descriptions

Byte	Parameter	Description
1	AngleTelescope1	-
3	ErrorTelescope1	-
5	LenghtTelescope1	-

TelescopeFrame2 5.12.2

TelescopeFrame2

I	DLC (Bytes)	Full Identifier (hex)	Cycle Time [ms]	RX	Byte Order
-	8	1AA	50	C1	Intel

Signals of message TelescopeFrame2

Byte	Start Bit rel(absol.)	Length	Parameter	Scale	Unit	Offset	Min Value	Max Value
1	1 (1)	16 bits	AngleTelescope2	1	[-]	0	0	65535
3	1 (17)	8 bits	ErrorTelescope2	1	[-]	0	0	255
5	1 (33)	16 bits	LenghtTelescope2	1	[-]	0	0	65535

Byte	Parameter	Description
1	AngleTelescope2	-
3	ErrorTelescope2	-
5	LenghtTelescope2	_