				N	/lessage	es										Signals										Value	range			Transm			
				П	<u>د</u> ا	_		_	_	_	Ι .			П			Т	1	Τ_	Π.	<u>a</u>	+		Phys	sical values				Logical values	Receive	er		
9 D	200	ier [dec]	ט ו	ge length	time normal [n	time fast [ms	time [ms]	elay [ms]	ge type	sgSendType	sgNrOfRepetiti		yte	# # # # # # # # # # # # # # # # # # #	transmission	itions active	sroup	ue raw [dec]	'alue raw [dec]	case behavior	Case Aufstartl	w value [dec]	ıw value	lues [dec]			5	alue [dec]	ption		HL HR	VL VR	comment
Messa	100	Identif	Protoc	Messa	Cycle	Cycle	Inhibit	StartD	Messa	GenMs	GenMs	Signal	StartB	StartB	Signal type	Repeti MUX s	MUX	InitVal	ErrorV	Sign	Worst	Min ra	Max ra [dec]	phy va	i i i	Offset	Scaline	Raw va	Descri		RGS_HL RGS_HF		Signal
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic	_	5 Airbag_01_CRC	1	0	8 Cyclic					valid value		0	255) 255)				S			or MLB: Calculation see specification "Communication protection for lexRay and CAN".
																																	rom MOB and MLBevo: For calculation, see "End-to-end communication protection" pedification". or end values, see accompanying document "S-PDU identification equences
																																	cennungsfolge: x40,0x40,0x40,0x40,0x40,0x40,0x40,0x40,
Airbag_01	0x04		64 FD	8	40	10	1		0 Application			5 Airbag_01_BZ	2		4 Cyclic					valid value		0	15 0	1 15		þ	1			S			
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_RGS_Anst	2	4	4 OnChange			8		valid value								5 5 7 8	active_level_1 active_level_2 active_level_3 active_level_4 deactivated	S			reCrash control of reversible belt tensioners (activation and force evel) 0xx = disabled
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Front_Crash	3	0	1 OnChangeWithRepetition			0		valid value								þ	no_front_crash front_crash	S			it is set when the seat belt tensioner, US and RdW thresholds re exceeded.
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Heck_Crash	3	1	1 OnChangeWithRepetition			0		valid value)	no_rear_crash rear_crash	S			Vill be implemented for all new projects starting up: AB8.4,
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_SF_Crash	3	2	1 OnChangeWithRepetition			0		valid value									no_sides_crash_driver sides_crash_driver	S			currently only used in conjunction with crash intensity >= 100b (fuel ump shutdown).
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_SB_Crash	3	3	1 OnChangeWithRepetition			0		valid value									to_sides_crash_passenger	S			currently only used in conjunction with crash intensity >= 100b (fuel
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Rollover_Crash	3	4	1 OnChangeWithRepetition			0		valid value									sides_crash_passenger	S			ump shutdown). Operated in the B6/B7 Cabrio and New Beetle Cabrio.
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Crash_Int	3	5	3 OnChangeWithRepetition			0		valid value) 	ollover to_crash Crash_Intensity_1 to_crash Crash_Intensity_1 trash_Intensity_2_(only_odulator_test_MLB_B8) trash_Intensity_2_(only_D4_C7_Colorado_NF_PAG trash_in_MLB_B8)	S E			rash Intensity 1 = vehicle-dependent reactions in crash rash Intensity 2 = vehicle-dependent reactions in crash rash Intensity 3 = vehicle-dependent reactions in crash
																													Crash_Intensity_3_(old_VW/AUDI actuator _MLB_B8) Crash_Intensity_3_(old_PAG)				he respective vehicle-dependent reactions in the crash are escribed in a separate Doors module in the airbag SG.
																													Crash_Intensity_3 Crash_Intensity_3				The information remains for ~10 s each time the threshold is exceeded
																																	Attention: Energy reserve with disconnected battery is only ufficient for 150 ms in worst case)
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Lamp	4	0	1 Cyclic			1		valid value)	Tro III Dn	S			afety warning lamp in the station wagon is controlled by the airbag iG; status of the lamp is output on the CAN bus (also flasher information).
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_disabled	4	1	1 Cyclic			0		valid value									Active disabled	S			irbag or seat belt pretensioner deactivated by adjustment: Update inly after self-test
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_VB_disabled	4	2	1 Cyclic			1		valid value)	Passenger airbag_active Passenger airbag_deactivated	S			feld out as an option, front passenger airbag deactivated by key witch or occupant recognition system
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_System error	4	3	1 Cyclic			0		valid value)	no_error Airbag_System_error	S			system error If necessary, warning lamp is switched on continuously.
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Diagnosis	4	4	1 Cyclic			0		valid value	200 ms							b	not_in_diagnosis n_diagnosis	S			irbag in diagnosis
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Posture test	4	5	1 Cyclic			0		valid value									not_in_actuator_test Airbag_in_actuator_test	S			nformation whether airbag is in actuator test to prevent mergency call resolution during actuator test.
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Erh_On_VB	4	6	2 Cyclic			0		valid value								3	no_indication passenger sirbag_deartivated passenger sirbag_activated not_defined	S			he driver should be alerted to a change in status of the front assenger airbag (triggered by passenger occupant detection key lock switch) by an indicator in the instrument cluster. Audi nly: valid for: AB2 (4-door AU
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Belt_Warning_VF	5	0	1 Cyclic			0		valid value)	no_warning belt_warning_trip	S			Driver has not fastened seat belt, display in station wagon
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Belt_Warning_VB	5	1	1 Cyclic			0		valid value									no_warning belt_warning_trip	S			assenger has not fastened seat belt, display in station wagon
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_display_Fussg	5	2	2 Cyclic			0		valid value									no_FSG_action_detached_h pod_open System error	S			hisplay for triggered pedestrian protection actuator system
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Texts_AKS	5	4	2 Cyclic			0		valid value	200 ms								no_AKS_trip AKS_trip AKS_system_error	S			ext display for pyrotechnic triggering of the active headrest (AKS)
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_PAO_Light_Anf	5	6	1 Cyclic			1		valid value									Switch_off_luminaire	0			Requirement for Passenger Airbag Off light in overhead console
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_MKB_valid	5	7	1 Cyclic			0		valid value									Switch_on_luminaire Multicollision_braking_not_enabled Multicollision_braking_enabled	0			on / off), use only with PAG. fulli-collision braking in airbag unlocked
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_MKB_Requirement	6	0	1 OnChangeWithRepetition			0		Init									//ulticollision_braking_not_requested	S			Request multi-collision braking
Airbag_01	0x04		64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_supply voltage	6		1 Cyclic			0		valid value	200 ms)	Multicollision_braking_requested plausible	S			ransmission of the plausibility information Kl.15-load vs. Kl.15-
																													mplausible				CAN. Apperation in case KI.15-Last "ON" and KI.15-CAN "OFF" with output varning/acoustic in combi.
Airbag_01	0x04	10	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_Deactivation_HV	6	2	3 OnChangeWithRepetition			0	7	valid value	200 ms) 2 3 5 5	one descrivation 1 beactivation 1 beactivation 2 beactivation 3 beactivation 3 beactivation 4 beactivation 5 beactivation 5 beactivation 6 error	S			seativation of the HV system and HV participants in a crash including hybrid and electric vehicles)
Airbag_01	0x04	0	64 FD	8	40	10	1	10	0 Application	Cyclic		5 AB_EDR_Trigger	6	5	2 OnChange			0		valid value	200 ms								Vo_Event Start_Event VonDeployment_Event Deployment_Event	S			rigger condition for decentralized recording of accident-relevant ata in the Event Data Recorder

Aldrew 04															
Airbag_01	0x040	64 FD	8 40	10 10	0 Application	Cyclic	5 AB_occupancy_VF 6	7 2 Cyclic	0	valid value			ot_available error tot_occupied occupied	S	locupancy detection front driver.
Airbag_01	0x040	64 FD	8 40	10 10	0 Application	Cyclic	5 AB_belt_look_FA_ext 7	1 3 OnChange	6	valid value			ot, built reserved vot, plugged blugged in ermanent, not, plugged ermanent, plugged nt error	s	he result of the "Seat belt buckle plausibility check" basic unction of the exit concept is displayed in the signal.
Airbag_01	0x040	64 FD	8 40	10 10	0 Application	Cyclic	5 AB_belt_lock_FA_ext_active 7	4 1 Cyclic	0	walid value 200 ms			nactiv s active	S	his signal is used to indicate whether the extended belt iagnostics (result is shown in the signal AB_Belt_lock_FA_ext) is ctivated or deactivated.
Airbag_01	0x040	64 FD	8 40	10 10	0 Application	Cyclic	5 AB_eCS_Error 7	5 1 Cyclic	0	valid value			no_display display_request	S	ignal to request indication of malfunctions in the system of electric elt interlocking
Airbag_01 Airbag_01	0x040 0x040	64 FD 64 FD	8 40	10 1	0 Application	Cyclic	void 7 5 ASM_Mastertime_02 8	6 2 0 8 Cyclic	255	valid value 200 ms) 254)10.16 Jnit_Secon	0 0.04 255	nii e	c	laster time for all ASM transmitters
				10 11					255			0 0.04 535	TII,	3	or MLB:
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	Airbag_02_CRC 1	0 8 Cyclic		yalid value	o 255)255			5	Calculation see specification "Communication protection for lexRay and CAN". rom MOB and MLBevo: For calculation, see "End-to-end communication protection" pecification". or end values, see accompanying document "S-PDU identification equences ennungsfolge: wt4 (bx44 (bx44 0x44 0x44 0x44 0x44 0x44 0x44 0x44
															x+4,0x+4,0x+4,0x+4,0x+4,0x+4,0x+4,0x+4,0
Airbag_02 Airbag_02	0x520 0x520	1312 FD 1312 FD	8 200	21	0 Application 0 Application		Airbag_02_BZ 2 LoGeWa_Event_Combined_Wami 2 ng	0 4 Cyclic 4 4 OnChange	0	valid value init	0 15 p15		nit rood int cas of traction sreakdown Destruction of eshibitity	0	vent for combination warning
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	AB_Request_eCall 3	0 1 Cyclic	0	valid value			Aquaplaning no_requirement requirement	0	rigger for Car2X controller that an eCall event has been
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_impact_side_passenger 3	1 1 OnChange	0	not provided 200 ms			no_impact	S	etected. ransmission of the position of a collision, impact zone passenger
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	AB_Attack_Rollover 3	2 1 OnChange	0	not provided			mpact_recognized no_impact	0	ide side ransmission of the position of a collision, rollover detected
Airbag_02	0x520	1312 FD	8 200	21	0 Application	ļ ·	AB_impact_FGS 3	3 1 OnChange		not provided 200 ms			mpact_recognized no_impact	s	ransmission of the position of a collision, pedestrian protection
	0x520	1312 FD	8 200	2				4 1 OnChange					mpact_recognized	6	ctuators ransmission of the position of a collision, impact zone front
Airbag_02				2	0 Application		AB_impact_front_passenger 3						mpact_recognized	3	assenger side
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_impact_front_driver 3	5 1 OnChange	0	not provided 200 ms			no_impact mpact_recognized	S	ransmission of the position of a collision, impact zone front fiver's side
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_impact_rear_passenger 3	6 1 OnChange	0	not provided			no_impact mpact_recognized	0	ransmission of the position of a collision, rear passenger side npact zone
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_impact_rear_driver 3	7 1 OnChange	0	not provided			to_impact mpact_recognized	0	ransmission of the position of a collision, impact zone driver's side ear
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_winding_flap_row2_MI 4	0 2 OnChange	1	valid value			<pre>not_obstructed not_available Error_or_init not_locked _ocked</pre>	0	tatus wrap-around flap 2nd row center, extra equipment
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_occupancy_VB 4	2 2 Cyclic	0	valid value			ot_available error not_occupied occupied	S	lccupancy detection front passenger. Operated in US ECUs via ladder mat, optional in RdW if SBE_EuroNCAP is decided.
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_Shutdown_SIH_BF 4	4 1 OnChange	0	not provided			Normal operation hutdown_requested	S	he occupant detection on the passenger side requests a huddown of the seat heater in case of overtemperature. The wertemperature can occur with low-resistance shunts of the seat eating mat as a result of excessive resulting current.
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_impact_side_driver 4	5 1 OnChange	0	not provided 200 ms			no_impact mpact_recognized	S	ransmission of the position of a collision, impact zone driver's side
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	SC_PAO_Sign_Anf 4	6 2 OnChange	0	valid value			LED off LED on	S	etpoint for LED "PASSENGER AIRBAG" in display Passenger
												0	.ED flashing eserved		lirbag On/Off
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	SC_PAO_ON_Anf 5	0 2 OnChange	0	valid value 200 ms			LED off LED on LED flashing eserved	S	etpoint for LED "ON" in Passenger Airbag On/Off display
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	SC_PAO_OFF_Anf 5	2 2 OnChange	0	walid value 200 ms			LED off LED on LED flashing eserved	S	elpoint for LED "OFF" in display Passenger Airbag On/Off
Airbag_02	0x520	1312 FD	8 200	21	0 Application	Cyclic	AB_Crash severity 5	4 3 OnChange	0	valid value 200 ms			no_event rash_seventy_1 rash_seventy_2 rash_seventy_3 rash_seventy_4 rash_seventy_5 rash_seventy_5 rash_seventy_2_5 rash_seventy_2_5 rash_seventy_2_5	s	ransmission of the crash severity to the gateway (OBDC)
Airbag_02	0x520	1312 FD	8 200	2	0 Application	Cyclic	AB_Request_USM 5	7 1 Cyclic		valid value			o_requirement requirement	S	rigger for gateway (OBDC) and MIB/MMI that a USM event has
Airbag_02	0x520	1312 FD	8 200	21	0 Application		AB_belt_lock_FA 6	0 2 OnChange		valid value			not_obstructed	S E	een detected. eat belt buckle status driver side
	0.020				S) spireaudi			- John Mary				2	not_available (error or init) not_plugged		
Airbag_02 Airbag_02	0x520	1312 FD	8 200	21			AB_belt_lock_BF 6	2 2 OnChange	1	valid value			not_obstructed not_available (error or init) not_plugged slugged	S E	eat belt buckle status passenger side
	0x520	1312 FD	8 200	2	0 Application	Cyclic	AB_belt_lock_series2_FA 6	4 2 OnChange	1	valid value			not_obstructed not_available (error or init)	S E	elt buckle status 2nd row driver's side, extra equipment

Airbag_02	0x520 13	12 FD	8 200	20	0 Application	Cyclic	AB_belt_lock_series2_MI 6	6 2 OnChange	1	walid value			not_obstructed ot_available (error or init) ot_plugged	S		elt buckle status 2nd row center, extra equipment
Airbag_02	0x520 13 ⁻	12 FD 8	8 200	20	0 Application	Cyclic	AB_belt_lock_series2_BF 7	0 2 OnChange	1	valid value			blugged not_obstructed not_available (error or init)	S E		elt buckle status 2nd row passenger side, extra equipment
													not_plugged			
Airbag_02	0x520 13 ⁻	12 FD 1	8 200	20	0 Application	Cyclic	AB_belt_lock_series3_FA 7	2 2 OnChange	1	valid value			not_obstructed not_available (error or init) not_plugged plugged	S E		eat belt buckle status 3rd row driver's side, extra equipment
Airbag_02	0x520 13 ⁻	12 FD 4	8 200	20	0 Application	Cyclic	AB_belt_lock_series3_MI 7	4 2 OnChange	1	valid value		0	not_obstructed not_available (error or init) not_plugged plugged	S		elt buckle status 3rd row center, extra equipment
Airbag_02	0x520 13 ⁻	12 FD 8	8 200	20	0 Application	Cyclic	AB_belt_lock_series3_BF 7	6 2 OnChange	1	valid value		9	not_obstructed not_available (error or init) not_plugged plugged	S E		eat belt buckle status 3rd row passenger side, extra equipment
Airbag_02	0x520 13	12 FD 8	8 200	20	0 Application	Cyclic	AB_Sitzpos_Sens_FA 8	0 2 Cyclic	0	valid value			lot available Error Seat not front Seat front	S		lutput seating position driver
Airbag_02	0x520 13 ⁻	12 FD 1	8 200	20	0 Application	Cyclic	AB_Sitzpos_Sens_BF 8	2 2 Cyclic	0	valid value			Not available Error Seat not front Seat front	S		hutput seat position passenger
Airbag_02	0x520 13 ⁻	12 FD 4	8 200	20	0 Application	Cyclic	AB_winding_flap_row2_BF 8	4 2 OnChange	1	valid value			iot_obstructed iot_available Error_or_init iot_locked .ccked	0		tatus wrap-around 2nd row passenger side, extra equipment
Airbag_02	0x520 13 ⁻	12 FD 8	8 200	20	0 Application	Cyclic	AB_winding_flap_row2_FA 8	6 2 OnChange	1	valid value			not_obstructed not_available Error_or_init not_locked .coked	0		tatus wrap-around 2nd row driver's side, extra equipment
Airbag_eCS_01	0xAF95511 #######	# FD I	8				void 1	0 8								
Airbag_eCS_01	0xAF95511 ########		8 50		0 Application	Cyclic	AB_eCS_Actuator_Test_Series3_ 2	0 2 Cyclic	0	not provided 200 ms			lo_action Locked Jnlocked mplausible	S E		ignal for actuator test Rear seat in 3rd SR Passenger side
Airbag_eCS_01	0xAF95511 #######	# FD 8	8 50		0 Application	Cyclic	AB_eCS_Actuator_Test_Series3_ 2	2 2 Cyclic	0	not provided 200 ms			lo_action Locked Jnlocked mplausible	S E		ignal for actuator test rear seat in 3rd SR driver's side
Airbag_eCS_01	0xAF95511 ########	# FD I	8 50		0 Application	Cyclic	AB_eCS_Actuator_test_FA 2	4 2 Cyclic	0	not provided 200 ms			ko_action Locked Jnlocked mplausible	S E		ignal for actuator test driver's seat
Airbag_eCS_01	0xAF95511 #######	# FD I	8 50		0 Application	Cyclic	AB_eCS_Actuator_test_BF 2	6 2 Cyclic	0	not provided 200 ms			ko_action Locked Jnlocked mplausible	S E		ignal for actuator test passenger seat
Airbag_eCS_01	0xAF95511 ########	# FD I	8 50		0 Application	Cyclic	AB_eCS_Actuator_Test_Series2_ 3	0 2 Cyclic	0	not provided 200 ms			ko_action Locked Jnlocked mplausible	S E		ignal for actuator test rear seat in 2nd SR driver's side
Airbag_eCS_01	0xAF95511 ########	# FD I	8 50		0 Application	Cyclic	AB_eCS_Actuator_Test_Series2_ 3	2 2 Cyclic	0	not provided 200 ms			ko_action Locked Jnlocked mplausible	S E		ignal for actuator test Rear seat in 2nd SR Passenger side
Airbag_eCS_01	0xAF95511 #######		8				void 3	4 4								
Airbag_eCS_01 ClampControl_01	0xAF95511 ####### 0x12DD54 #######		8 100	40	0 Application	Cyclic	void 4 ClampControl 01 CRC 1	0 40 0 8 Cyclic		valid value	0 255 0255					or MLB:
Garageon (Co.)	S. 12554				o Papineauori	Gyali	Champoon No. 3 LOTO	u digen								alculation see "Communication protection for FlexRay and CAN" pedification sheet irrom MCB and MLBevo: or calculation, see "End-to-end communication protection" pedification sheet or end values see accompanying document "S-PDU identification equences ennungsfolge: s63,0x66,0x16,0x86,0xac,0x40,0xcc,0x19,0x6,0x7b,0x29,0xd2,0 9d,0x27,0xd5,0xdf
ClampControl_01	0x12DD54 #######	# FD I	8 100	10	0 Application	Cyclic	ClampControl_01_BZ 2	0 4 Cyclic	0	valid value	0 15 015					bit message counter, incremented with each transmit message
ClampControl_01	0x12DD54 #######	# FD 8	8 100	10	0 Application	Cyclic	KST_Warn_P1_ZAT_def 2	4 1 OnChange	0	valid value			not_defectiv		+++	combi Prio warning terminal control ignition lock
ClampControl_01	0x12DD54 #######	# FD 8	8 100	10	0 Application	Cyclic	KST_Warn_P2_ZAT_def 2	5 1 OnChange	0	valid value			defective tot_defect tefective		+++	efective, visit service! Combi Prio warning terminal control ignition lock efective!
ClampControl_01	0x12DD54 #######	# FD 8	8 100	10	0 Application	Cyclic	KST_Deactivation_Trigger 2	6 2 OnChange	0	valid value			NO_DEACTIVATION_OCCURRED_0 DEACTIVATION_OVER_ZAT_1 DEACTIVATION_SIMPLIFIED_VLK_2			efective! utput of the deactivation trigger for functions with goodbye scenario distinguish between manual and automatic deactivation on ehicle exit.
ClampControl_01	0x12DD54 #######	# FD I	8 100	10	0 Application	Cyclic	KST_KI_S 3	0 1 OnChange	0	valid value			off S_contact_on		+++	erminal S: S-contact (key inserted)
ClampControl_01	0x12DD54 #######	♯ FD I	8 100	10	0 Application	Cyclic	KST_KL_15 3	1 1 OnChange	0	valid value			ffa	S* E	E E E	erminal 15: Infeed (SW-KI:15)
ClampControl_01	0x12DD54 #######	≠ FD I	8 100	10	0 Application	Cyclic	KST_KI_50_start request 3	2 1 OnChange	0	valid value			rom KL50_a_start_wish_driver			erminal 50: Driver start request
ClampControl_01	0x12DD54 ########	# FD	8 100	10	0 Application	Cyclic	KST_Special_Status 3	3 2 OnChange	0	valid value			nit Transition_new_request Active Error			his signals that a special function is active and that terminal 15 as been requested by this function or that a transition of special unctions is taking place.
ClampControl_01 ClampControl_01	0x12DD54 ######## 0x12DD54 ########		8 100	10	0 Application	Cyclic	KST_exit_desire_status 3 void 3	5 1 OnChange 6 1	0	valid value			IO_EXIT_DESIRE_ACTIVE_0 EXIT_DESIRE_ACTIVE_1			xit request via which functions with goodbye scenario can be figgered centrally.
ClampControl_01	0x12DD54 #######	# FD I	8 100	10	0 Application	Cyclic	KST_BulbCheckReq 3	7 1 OnChange	0	valid value			lo_request Request			ignal requests a lamp check (Bulb Check).
ClampControl_01	0x12DD54 #######	# FD	8 100	10	0 Application	Cyclic	KST_KI_X 4	0 1 OnChange		valid value			rffa			om MEB.
		<u> </u>												11 1 1	1	pmeb.

3 / 20

ClampControl_01	0x12DD54 ######## FI	FD 8	100	11	0 0	Application	Cyclic	KST_Parking_Operation 4	1 1 OnChange	0				no_operation parking_active			equest for renewed lamp check and display of warnings after a lioted parking procedure (trigger: falling edge).
ClampControl_01	0x12DD54 ######## Fi	FD 8	100	11	0 0	Application	Cyclic	KST_Driver notice_1 4	2 1 OnChange	0	valid value			nactiv			ignaling driver note 1 of the terminal control to the combi
ClampControl_01	0x12DD54 ####### Fi	FD 8	100	11	0 0	Application	Cyclic	KST_Driver notice_2 4	3 1 OnChange	0	valid value		0	active nactiv			ignaling driver's note 2 of the terminal control to the combi
ClampControl_01	0x12DD54 ####### Fi	-D 8	100	11	0 0	Application	Cyclic	KST_driver_advice_3 4	4 1 OnChange	0	valid value			active hactiv			ignaling driver's note 3 of the terminal control to the combi
														ective			invaling drivate and 4 of the terminal control to the combi
ClampControl_01	0x12DD54 ####### Fi	-D 8	100	10		Application	Cyclic	KST_driver_advice_4 4	5 1 OnChange	0	valid value			nactiv active			ignaling driver's note 4 of the terminal control to the combi
ClampControl_01	0x12DD54 ####### FI	FD 8	100	11	0 0	Application	Cyclic	KST_driver_advice_5 4	6 1 OnChange	0	valid value			nactiv active			isplay signal for RemoteStart
ClampControl_01	0x12DD54 ####### Fi	FD 8	100	10	0 0	Application	Cyclic	KST_driver_advice_6 4	7 1 OnChange	0	valid value)	nactiv			ignal activates the combined display instruments speed, tank content, coolant temperature) during
ClampControl_01	0x12DD54 ####### Fi	-D 8						void 5	0 2					active			ctivated RemoteStart mode
ClampControl_01	0x12DD54 ####### FI	-D 8	100	11	0 0	Application	Cyclic	KST_Txt_Panic shutdown 5	2 1 OnChange	0	valid value		0	ro n			ext: "Emergency shutdown"
ClampControl_01	0x12DD54 ####### FI							void 5	3 5					pn			
ClampControl_01 ClampControl_01	0x12DD54 ####### FI 0x12DD54 ####### FI		100	10	0 0	Application	Cyclic	void 6 KST_Anf_Klemmenfreigabe_EL 6	1 1 Cyclic	0	valid value			tot_requested equested			erminal control requests terminal release by the ELV.
ClampControl_01	0x12DD54 ####### FI	FD 8	100	11	0 0	Application	Cyclic	KST_aut_shutdown_endun 6	2 1 OnChange	0	valid value			Allocation_will_not_be_deactivated Allocation_will_be_deactivated_on_allocation			the low beam was active when the ignition was switched on, the parking light must remain active after the automatic switch-off ft I_15 & KI_S. The signal sends the information that an ultimatic switch-off of the KI_15 and KI_S takes place.
ClampControl_01	0x12DD54 ####### FI	FD 8	100	11	0 0	Application	Cyclic	KST_StPtAcvReq 6	3 2 OnChange	0	valid value		0	NoActivationRequest StoredActivationRequest			AT-activation-demand
ClampControl_01	0x12DD54 ####### FI	-D 8	100	11	0 0	Application	Cyclic	KST_StPtDeacReq 6	5 1 OnChange	0	valid value		0	urrentActivationRequest	++	+++	lequest deactivation of the drive train by terminal control
ClampControl_01	0x12DD54 ####### FI	FD 8	100	11	0 0	Application	Cyclic	KST_ZAT_activated 6	6 1 OnChange	0	valid value			RequestDeactivatePowertrain Fro	$\parallel \parallel \parallel$		unition start button (ZAT) actuated
ClampControl_01	0x12DD54 ####### Fi	-D 8	100	11	0 0	Application	Cyclic	KST_ComfortReadyStatus 6	7 1 OnChange	0	valid value			n Dn pff ComfortReadyStatus_on	$\parallel \parallel \parallel$	+++	tate of the ComfortReadyStatus via which comfort functions can be
ClampControl_01	0x12DD54 ####### Fi		100	11			Cyclic	KST_Special_State_Required 7	0 5 OnChange	0 31	valid value)	nit			ctivated. This identifies the active or currently requested (see
													2 3 5 7 8 10 11 31	RemoteStart RemoteParkAssist ntelligentParkAssist IrainedParking DilineRemoteUpdate Freeze Protection Ferminal 15 ViaDiagnostics aligateFusePDC ParkHomePilot IrailerHitchAssist AotorContinueSwitching Error			ST_Sonderzustand_Status) special function.
																	11
ClampControl_01	0x12DD54 ####### FI	FD 8	100	11	0 0	Application	Cyclic	KST_WFS_Drive_Release_Anford 7	5 2 OnChange	0	valid value			None Unrestricted Restricted			his signals to the immobilizer participants which type of drive please is required by the requesting special function
ClampControl_01 ClampControl_01 ClampControl_01	0x12DD54 ####### FI 0x12DD54 ####### FI 0x12DD54 ####### FI	FD 8	100	11	0 0/	Application	Cyclic	KST_WFS_Drive_Release_Anford 7 void 7 void 8	5 2 OnChange 7 1 0 8	0	valid value						
ClampControl_01 ClampControl_01 DIA_eCS_Req	0x12DD54 ####### FI 0x12DD54 ####### FI 0x17FC42 ####### FI	FD 8 FD 8	100	11	0 1	TP-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1	7 1 0 8 0 64 OnChange	0	valid value				S* E		slease is required by the requesting special function
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD	0x12DD54 ####### FI 0x12DD54 ####### FI	FD 8 FD 8 FD 64	100	11	0 7 0 7	"P-ISO		void 7 void 8	7 1 0 8	0					S* E S* E E* S		elease is required by the requesting special function
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp_FD	0x12DD54 ####### FI 0x12DD54 ####### FI 0x17FC42 ####### FI 0x1C40420 ####### FI 0x17FE420 ####### FI	TD 8 TD 8 TD 8 TD 64 TD 64	100	11	0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7	P-ISO P-ISO P-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Rep_Data 1 DIA_eCS_Resp_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange	0	valid value valid value valid value valid value valid value				S* E E* S E* S		elease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing <sg name=""> iagnostic response flashing <sg name=""> iagnostics Response Flashing eCS</sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp_FD DIA_eCS_Resp_FD	0x120D54 ####### FI 0x120D54 ####### FI 0x17FC42 ####### FI 0x17FC420 ####### FI 0x17FC420 ####### FI 0x174C42420 ####### FI	TD 8 TD 8 TD 8 TD 64 TD 64 TD 64	100	11	7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0	TP-ISO TP-ISO TP-ISO TP-ISO TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Rep_Data 1 DIA_eCS_Rep_Data 1 DIA_eCS_Resp_FD_Data 1 DIA_eCS_Resp_FD_Data 1 DIA_ECS_Resp_FD_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 64 OnChange 0 64 OnChange	0	valid value				S* E E* S E* S S* E		slease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing eCS iagnostic response flashing <sg name=""> iagnostics Response Flashing eCS iagnosis Request Flashing eCS</sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_RGS_HL_Req DIA_RGS_HL_Req_FD	0x12DD54 ####### FI 0x12DD54 ####### FI 0x17FC42 ####### FI 0x1C40420 ####### FI 0x17FE420 ####### FI	ED 8 ED 8 ED 8 ED 64 ED 64 ED 64 ED 64 ED 64	100	11	0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7	P-ISO P-ISO P-ISO P-ISO P-ISO P-ISO P-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Rep_Data 1 DIA_eCS_Resp_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange	0	valid value valid value valid value valid value valid value				S* E E* S E* S		slease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing <sg name=""> iagnostic response flashing <sg name=""> iagnostics Response Flashing <sg< td=""></sg<></sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_ECS_HL_Req DIA_RGS_HL_Req_FD DIA_RGS_HL_Resp_FD DIA_RGS_HL_Resp_FD	0x120D54 ####### FI 0x17FC42 ####### FI 0x17FC42 ####### FI 0x17C4240 ####### FI 0x17C4240 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC171 ####### FI 0x17FC171 ####### FI 0x17C42171 ######## FI	8 DD 8 BDD 8	100	11	077 077 077 077 077 077 077 077 077 077	P-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	void 7 void 8 DIA_eCS_Req_Ebda 1 DIA_eCS_Req_ED_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_ED_Data 1 DIA_RGS_HL_Req_ED_Data 1 DIA_RGS_HL_Resp_ED_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_ED_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange	0	valid value				S* E E* S E* S S* E E* S E* S E* S		slease is required by the requesting special function liagnostics Request Flashing <sg name=""> liagnostics Request Flashing eCS liagnostics Request Flashing eCS liagnostics Response Flashing eCS liagnostics Response Flashing eCS liagnostics Response Flashing RGS, HL liagnostic response FD RGS, HL</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resq	Ox120D54	ED 8 8 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10		11	070000000000000000000000000000000000000	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_FD_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_FD_Data 1 DIA_RGS_HL_Resp_FD_Data 1 DIA_RGS_HL_Resp_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 64 OnChange	0	valid value				S* E E* S E* S E* S E* S E* S S* E* S S* S*	E	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing eCS lagnostic response flashing eCS lagnostic response flashing eCS lagnosis Request Flashing RGS, HL lagnostic Response FD RGS, HL lagnostic Request Flashing RGS, HR</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_ DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp_FD DIA_ECS_HL_Resp_FD DIA_ECS_HL_Resp_FD DIA_ECS_HR_Req_FD DIA_ECS_HR_Req_FD	0x120D54 ####### FI 0x17FC42 ####### FI 0x17FC42 ####### FI 0x17C4240 ####### FI 0x17C4240 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC17 ####### FI 0x17FC171 ####### FI 0x17FC171 ####### FI 0x17C42171 ######## FI	ED 8 8 ED 8 8 ED 64 ED 65 ED 64 ED 65 ED 66 ED 60 ED 66 ED 60 ED 66 ED 60 ED 60 ED 60 ED 66 ED 60 ED 6		11	0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	P-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	void 7 void 8 DIA_eCS_Req_Ebda 1 DIA_eCS_Req_ED_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_ED_Data 1 DIA_RGS_HL_Req_ED_Data 1 DIA_RGS_HL_Resp_ED_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_ED_Data 1	7 1 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 ONChange		valid value				S* E E* S E* S S* E E* S S* E E* S S* E S* S E* S S* S S		slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing eCS lagnostic response flashing eCS lagnostic response flashing eCS lagnostic Request Flashing eCS lagnostic Request Flashing ECS lagnostic Request Flashing RGS, HL lagnostic response flashing RGS, HL lagnostic response FD RGS, HL lagnostic Request FD RGS, HL lagnostic Request Flashing RGS, HR lagnosis Request FD RGS, HR</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req FD DIA_eCS_Resp_FD DIA_ECS_RERESP_FD DIA_ECS_RERESP_FD DIA_ECS_RERESP_FD DIA_ECS_RERESP_FD DIA_ECS_RERESP_FD	0x120054 ####### FI 0x17FC42 ####### FI 0x17FC420 ####### FI 0x17FC420 ####### FI 0x17C42420 ####### FI 0x1C42420 ####### FI 0x1C42171 ####### FI 0x1C42171 ####### FI 0x17FC171 ######## FI 0x17FC171 ######### FI 0x17FC171 ###################################	BD 8 8 10 8 8 10 64 10 10 10 10 10 10 10 10 10 10 10 10 10		11	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_Resp_Data 1 DIA_RGS_HL_Req_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Resp_Data 1	7 1 1 0 8 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S E S' E' S E E' S E E' S E E' S E E' S E' S'	E E S S S	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing eCS lagnostics Response Flashing eCS lagnostics Response Flashing eCS lagnostics Request Flashing eCS lagnostics Request Flashing RCS, HL lagnostic response flashing RGS, HL lagnostic response flashing RGS, HL lagnostic response FD RCS, HL lagnostic Request Flashing RGS, HR lagnostic response FD RGS, HR lagnostic response FD RGS, HR</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_RGS_HL_Req_FD DIA_RGS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Req_FD DIA_RGS_HR_Req_FD DIA_RGS_HR_Req_FD DIA_RGS_HR_Resp DIA_RGS_VL_Req	0x120D54	17D 8 8 17D 64 17D 8 8 17D 64 17D 8 17D 64 17D 8 17D 64 17D 8 17D 64 17D 8 17D 64 17D		11	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	PASO PASO PASO PASO PASO PASO PASO PASO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_RGS_HL_Req_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Req_FD_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_FD_Data 1 DIA_RGS_HR_Resp_FD_Data 1 DIA_RGS_HR_Resp_FD_Data 1 DIA_RGS_HR_Resp_FD_Data 1 DIA_RGS_HR_Resp_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 64 OnChange		valid value				S' E E' S E S' E' S E E' S E E' S E E' S E E' S E' S'	E E S S E E	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing <sg <sg="" flashing="" lagnostics="" name="" response=""> lagnostics Response flashing <sg name=""> lagnostics Response Flashing <sg fd="" flashing="" flo="" floshing="" hl="" lagnostic="" request="" response="" rgs_hl="" rgs_hr="" rgs_vl<="" td=""></sg></sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_TD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_TD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp	0x120054 ####### FI 0x17FC42 ####### FI 0x17FC420 ####### FI 0x17FC420 ####### FI 0x17C42420 ####### FI 0x1C42420 ####### FI 0x1C42171 ####### FI 0x1C42171 ####### FI 0x17FC171 ######## FI 0x17FC171 ######### FI 0x17FC171 ###################################	ED 8 8 ED 8 8 ED 64 ED 64 ED 8 ED 64 ED 65 ED 64 ED 65 ED 65 ED 64 ED 65 ED		11	0 10 10 10 10 10 10 10 10 10 10 10 10 10	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_Resp_Data 1 DIA_RGS_HL_Req_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Resp_Data 1	7 1 1 0 8 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S E S' E' S E E' S E E' S E E' S E E' S E' S'	E E S S S	slease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing eCS iagnostic response flashing eCS name> iagnostic response flashing eCS iagnosis Request Flashing eCS iagnosis Request Flashing RGS, HL iagnosis Request Flashing RGS, HL iagnostic response flashing RGS, HL iagnostic response Flashing RGS, HL iagnosis Request Flashing RGS, HR iagnosis Request FD RGS, HR iagnosis Request FD RGS, HR iagnosis Request FD RGS, HR iagnosis Request Flashing RGS, VL iagnosis Request Flashing RGS, VL</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Resp_FD DIA_eCS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_Resp_FD DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp_FD DIA_ECS_HL_Resp_FD DIA_ECS_HR_Resp_FD DIA_ECS_HR_Resp_FD DIA_ECS_HR_Resp_FD DIA_ECS_HR	Ox120D54 ####### FI Ox120D54 ####### FI Ox17FC42 ####### FI Ox17FC420 ####### FI Ox17FC420 ####### FI Ox17FC17 ####### FI Ox17C4171 ####### FI Ox17FC171 ####### FI Ox17FC16 ####### FI Ox17C4162 ######## FI Ox17C4162 ####### FI Ox17C4162 ######## FI Ox17C4162 ######### FI Ox17C4162 ######### FI Ox17C4162 ######### FI Ox1C44162 ######### FI Ox1C44162 ########## FI Ox1C44162 ########## FI Ox1C44162 ####################################	ED 8 8 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10		11	0 77 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_HL_Req_Data 1 DIA_ECS_HL_Resp_Data 1 DIA_ECS_HL_Resp_Data 1 DIA_ECS_HL_Resp_FD_Data 1 DIA_ECS_HR_Req_Data 1 DIA_ECS_HR_Req_Data 1 DIA_ECS_HR_Req_Data 1 DIA_ECS_HR_Req_Data 1 DIA_ECS_HR_Resp_FD_Data 1 DIA_ECS_HR_Resp_FD_Data 1 DIA_ECS_HR_Resp_FD_Data 1 DIA_ECS_HR_Resp_FD_Data 1 DIA_ECS_HR_ECS_HR_ECS_FD_Data 1 DIA_ECS_HR_ECS_HR_ECS_FD_Data 1 DIA_ECS_VL_Resp_Data 1 DIA_ECS_VL_Req_FD_Data 1 DIA_ECS_VL_Req_FD_Data 1 DIA_ECS_VL_Resp_Data 1 DIA_ECS_VL_Resp_Data 1 DIA_ECS_VL_Resp_Data 1	7 1 1 0 8 0 64 OnChange 0 512 OnChange OnCha		valid value				S' E E E' S E' S E' S E' S E' S E' S E'	E E S S S S S S S S S S	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing eCS lagnostic response flashing eCS lagnostic Response Flashing eCS lagnosis Request Flashing RGS, HL lagnosis Request Flashing RGS, HL lagnosis Request Flashing RGS, HL lagnostic response FD RGS, HL lagnostic Request Flashing RGS, HR lagnosis Request FD RGS, VL lagnosis response FD RGS, VL lagnostic response FD RGS, VL</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp	0x120D54	FD 8 8 FD		11	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_Data 1 DIA_ECS_HL_Req_Data 1 DIA_RCS_HL_Req_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Req_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange		valid value				S' E E' S E' S S' E E' S S' E E' S E' S	E E S S S E E S S	slease is required by the requesting special function liagnostics Request Flashing <sg name=""> liagnostics Request Flashing <sg name=""> liagnostics Response Flashing <sg name=""> liagnostics Response Flashing <sg name=""> liagnostics Response Flashing GS liagnosis Request Flashing RGS_HL liagnosis Request Flashing RGS_HL liagnosis response flashing RGS_HL liagnosic response flashing RGS_HL liagnosis Request Flashing RGS_HR liagnosis Request Flashing RGS_HR liagnosis response flashing RGS_HR liagnosic response flashing RGS_HR liagnosis Request Flashing RGS_UL liagnosis Request Flashing RGS_UL liagnosis Request Flashing RGS_UL liagnosis response flashing RGS_UL liagnosis response flashing RGS_UL liagnosic response flashing RGS_UL liagnosis Request Flashing RGS_UL</sg></sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp DIA_RGS_VR_Resp DIA_RGS_VR_Resp DIA_RGS_VR_Resp	Ox120D54	ED 8 8 170 8 170 170 170 170 170 170 170 170 170 170		11	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_Data 1 DIA_ECS_Resp_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Req_FD_Data 1 DIA_RGS_HR_Req_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VL_Req_Data 1 DIA_RGS_VR_Req_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S S' S' E E' S S' E E' S S' E E' S S' S	E E E E E S S S S E E E E E E E E E E E	slease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing <sg <sg="" flashing="" iagnostic="" name="" request=""> iagnostic response flashing <sg name=""> iagnostic response flashing <sg name=""> iagnostic Request Flashing RGS, HL iagnostic response flashing RGS, HL iagnostic response flashing RGS, HL iagnostic response flashing RGS, HR iagnostic response FD RGS, HR iagnostic response FD RGS, VL iagnostic Request Flashing RGS, VR</sg></sg></sg></sg>
ClampControl_01 ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_VC_Req_DIA_ECS_UC_Resp DIA_ECS_VC_Resp DIA_ECS_VC_Resp DIA_ECS_VC_Resp DIA_ECS_FC_ECS_DIA_ECS_FD DIA_ECS_FC_ECS_DIA_ECS_FD DIA_ECS_FC_ECS_FD DIA_ECS_FC_ECS_FD DIA_ECS_FC_ECS_FD DIA_ECS_FC_ECS_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FD DIA_ECS_FC_ECS_FC_FC_FD DIA_ECS_FC_ECS_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_	0x120D54 ######## FI 0x12D054 ######## FI 0x17FC42 ######## FI 0x17FC420 ######## FI 0x17FC420 ######## FI 0x17FC17 ######## FI 0x17FC17 ######## FI 0x17FC17 ######## FI 0x17FC17 ######## FI 0x17EC17 ######## FI 0x17EC16 ######## FI 0x17EC162 ######## FI 0x17EC162 ######### FI 0x17EC162 ######### FI 0x17EC162 ########## FI 0x17EC162 ############# FI 0x17EC162 ####################################	ED 8 8 ED 8 8 ED 64 ED 8 8 ED 64 ED 64 ED 8 ED 64 ED 64 ED 8 ED 64 ED 64 ED 8 ED 64 E		11	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_FD_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_ECS_HL_Req_FD_Data 1 DIA_ECS_HL_Resp_Data 1 DIA_ECS_HL_Resp_Data 1 DIA_ECS_HR_Req_FD_Data 1 DIA_ECS_HR_Req_FD_Data 1 DIA_ECS_HR_Resp_Data 1 DIA_ECS_HR_Resp_Data 1 DIA_ECS_HR_Resp_FD_Data 1 DIA_ECS_HR_ECS_FD_Data 1 DIA_ECS_HR_ECS_FD_Data 1 DIA_ECS_HR_ECS_FD_Data 1 DIA_ECS_HR_ECS_FD_Data 1 DIA_ECS_YL_Resp_FD_Data 1 DIA_ECS_YL_Resp_FD_Data 1 DIA_ECS_YL_Resp_FD_Data 1 DIA_ECS_YL_Resp_FD_Data 1 DIA_ECS_YR_ECS_FD_Data 1	7 1 1 0 8 0 64 OnChange 0 512 OnChange OnChange		valid value				S' E E' S S' E E' E' E	E E E S S S E E E S S S S E E E S S S S	slease is required by the requesting special function iagnostics Request Flashing <sg name=""> iagnostics Request Flashing eCS iagnostic response flashing eCS iagnostic response flashing eCS iagnostic Request Flashing eCS iagnostic Request Flashing RGS, HL iagnostic Request Flashing RGS, HL iagnostic response flashing RGS, HL iagnostic response flashing RGS, HR iagnostic response FD RGS, HR iagnostic Request FD RGS, HR iagnostic Request FD RGS, HR iagnostic Request FD RGS, HR iagnostic response FD RGS, HR iagnostic response FD RGS, VL iagnostic response FD RGS, VR iagnostic response FD RGS, VR iagnostic Request Flashing RGS, VR iagnostic Request Flashing RGS, VR iagnostic Request FD RGS, VR iagnostic response Rashing RGS, VR iagnostic response flashing RGS, VR</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_RGS_HL_Req DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Req DIA_RGS_VL_Req DIA_RGS_VL_Req DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD DIA_RGS_VR_Resp_FD	Ox120D54	17D 88 17D 88 17D 88 17D 88 17D 88 17D 88 17D 64 17D 88 17D 88 17D 64 17D 88 17			0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_ECS_Resp_Data 1 DIA_ECS_HL_Req_Data 1 DIA_RCS_HL_Req_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_VL_Req_Data 1 DIA_RCS_VR_Req_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Rep_Data 1 DIA_RCS_VR_Rep_Data 1 DIA_RCS_VR_Rep_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 512 OnChange		valid value				S' E E' S S' E E' E' E	E E E E E S S S S E E E E E E E E E E E	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing <sg name=""> lagnostics Response flashing <gg name=""> lagnostics Response flashing <gg name=""> lagnostic response flashing <gg name=""> lagnostic Response flashing <gg fd="" flashing="" hl="" hr="" lagnostic="" response="" rgb,="" rgs,="" td="" vl="" vr="" vr<=""></gg></gg></gg></gg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Req_FD DIA_RGS_VL_Req_FD DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp	0x120D54 ######## F 0x120D54 ####### F 0x17FC42 ####### F 0x1C4020 ####### F 0x1C7FC421 ####### F 0x17FC417 ####### F 0x17FC17 ####### F 0x17FC18 ####### F 0x1C42171 ####### F 0x1C40162 ######## F 0x1C40162 ######## F 0x1C40162 ######### F 0x1C40162 ################ F <	ED 8 8 ED 8 8 ED 64 ED 8 ED 64 ED 8 ED 64 ED 8 ED 64 ED 64 ED 8 ED 64 ED		11	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 77 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_FD_Data 1 DIA_ECS_Resp_FD_Data 1 DIA_RCS_HL_Req_FD_Data 1 DIA_RCS_HL_Req_FD_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HR_Req_FD_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_FD_Data 1 DIA_RCS_HR_Resp_FD_Data 1 DIA_RCS_HR_Resp_FD_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 Dia_G_eCS_Resp_FD_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S S' E E' E' E' S S' E E' E' E' E' E' S S' E' S	E E E S S S E E E S S S S E E E S S S S	slease is required by the requesting special function liagnostics Request Flashing <sg name=""> liagnostics Request Flashing eCS liagnostic response flashing eCS liagnostic response flashing eCS liagnostic Response Flashing eCS liagnostic Request Floashing eCS liagnostic Response Flashing RGS, HL liagnostic response flashing RGS, HL liagnostic response FD RGS, HL liagnostic response FD RGS, HR liagnostic response FD RGS, ML liagnostic response FD RGS, MR liagnostic response FD RGS, MR liagnostic response FD RGS, MR DS diagnostic response flashing RGS, VR liagnostic response FD RGS, MR DS diagnostic response flashing RGS, VR liagnostic response FD RGS, MR DS diagnostic response flashing RGS, VR liagnostic RGM, VR RGM, V</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp DIA_RGS_RESP_FD DIA_RGS_RESP_FD	Ox120D54	DD 8 8 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10			0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_GCS_Resp_ED_Data 1 DIA_RCS_HL_Req_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HR_Req_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_VL_Req_ED_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VR_Req_Data 1 DIA_RCS_VR_Req_Data 1 DIA_RCS_VR_Req_Data 1 DIA_RCS_VR_Rep_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 Diag_eCS_Resp_FD_Data 1 Diag_eCS_Resp_FD_Data 1 Diag_eCS_Resp_FD_Data 1 Diag_eCS_Resp_FD_Data 1 Diag_eCS	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing <gs <gg="" flashing="" lagnostic="" name="" response=""> lagnostics Response flashing <gg name=""> lagnostic response flashing <gg name=""> lagnostic Response flashing <gg name=""> lagnostic response flashing RGS_HL lagnostic response flashing RGS_HL lagnostic response flashing RGS_HL lagnostic response flashing RGS_HR lagnostic response flashing RGS_HR lagnostic response flashing RGS_HR lagnostic response flashing RGS_HR lagnostic response flashing RGS_VL lagnostic response flashing RGS_VR lagnostic response FD RGS_VR Idenostic Request Flashing RGS_VR lagnostic response FD RGS_VR lagnostic response FD RGS_VR DS diagnostic response FD RGS_VR</gg></gg></gg></gs></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_FD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_HC_Resp DIA_ECS_VC_Req_FD DIA_ECS_VC_Resp DIA_ECS_FC_FD DIA_ECS_FC_FC_FD DIA_ECS_FC_FC_FD DIA_ECS_FC_FC_FD DIA_ECS_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_FC_	Ox120D54	17D 8 8 17D 8			0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 7, void 8, DIA_eCS_Req_Data 1, DIA_eCS_Req_FD_Data 1, DIA_eCS_Resp_Data 1, DIA_ECS_HL_Req_Data 1, DIA_ECS_HL_Resp_Data 1, DIA_ECS_HL_Resp_Data 1, DIA_ECS_HR_Resp_Data 1, DIA_ECS_VL_Req_FD_Data 1, DIA_ECS_VL_Resp_Data 1, DIA_ECS_VL_Resp_FD_Data 1, DIA_ECS_Resp_FD_Data 1, Diag_ECS_Resp_FD_Data 1, Diag_ECS_Resp_ED_Data 1, Diag_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_ECS_Resp_ED_ED_E	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S S' E E' E' E' S S' E E' E' E' E' E' S S' E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing eCS lagnostic response flashing eCS lagnostic response flashing eCS lagnosis Request Flashing eCS lagnosis Request Flashing RGS, HL lagnosis Request Flashing RGS, HL lagnosis response Flashing RGS, HL lagnosis Request Flashing RGS, HR lagnosis Request Flashing RGS, VI lagnosis Request Flashing RGS, VR lagnosis RGM, RGS, MR lagnosis RGM, RGS, MR lagnosis RGM,</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Req_FD DIA_RGS_VL_Req_FD DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp DIA_RGS_RESP D	0x12DD54 ######## F 0x12DD54 ####### F 0x17FC42 ####### F 0x1C4020 ####### F 0x1C7FC421 ####### F 0x17FC47 ####### F 0x17FC17 ####### F 0x17FC18 ####### F 0x17EC19 ####### F 0x1C40162 ####### F 0x1C40520 ####### F 0x1C42520 ####### F 0x1C42520 ####### F 0x17FC07 ######## F 0x17FC07 ######### F	ED 8 8 ED 8 8 ED 64 ED 8 ED 64 ED 8 ED 64			0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_CS_Resp_Data 1 DIA_CS_Resp_FD_Data 1 DIA_RGS_HL_Req_FD_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Req_Data 1 DIA_RGS_HR_Req_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VR_Resp_ED_Data 1 DIA_RGS_HR_RESP_ED_Data 1 DIA_RGS_HR_RESP_ED_Data 1 <tr< td=""><td>7 1 0 8 0 64 OnChange 0 512 OnChange 0 513 OnChange 0 514 OnChange 0 515 OnChange 0 516 OnChange 0 517 OnChange 0 518 OnChange 0 519 OnChange 0 519 OnChange</td><td></td><td>valid value valid value</td><td></td><td></td><td></td><td>S' E E' S E' S E' S E' S E' S E' S E' S</td><td>E E E S S S E E E S S S S S S S S S S S</td><td>slease is required by the requesting special function leagnostics Request Flashing <sg name=""> leagnostics Request Flashing eCS leagnostic response flashing eCS leagnostic response flashing eCS leagnostic Request Flashing eCS leagnostic Request Flashing eCS leagnostic Request Flashing RGS, HL leagnostic response flashing RGS, HL leagnostic response FD RGS, HL leagnostic response FD RGS, HR leagnostic response FD RGS, VL leagnostic response FD RGS, VL leagnostic Request Flashing RGS, VL leagnostic response FD RGS, VR leagnostic response FD RGS, VR leagnostic response FD RGS, VR leagnostic Request FD RGS, VR leagnostic Request FD RGS, VR leagnostic Request FD RGS, VR leagnostic response FD RGS, VR leagnostic RGM, VR leagn</sg></td></tr<>	7 1 0 8 0 64 OnChange 0 512 OnChange 0 513 OnChange 0 514 OnChange 0 515 OnChange 0 516 OnChange 0 517 OnChange 0 518 OnChange 0 519 OnChange 0 519 OnChange		valid value				S' E E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function leagnostics Request Flashing <sg name=""> leagnostics Request Flashing eCS leagnostic response flashing eCS leagnostic response flashing eCS leagnostic Request Flashing eCS leagnostic Request Flashing eCS leagnostic Request Flashing RGS, HL leagnostic response flashing RGS, HL leagnostic response FD RGS, HL leagnostic response FD RGS, HR leagnostic response FD RGS, VL leagnostic response FD RGS, VL leagnostic Request Flashing RGS, VL leagnostic response FD RGS, VR leagnostic response FD RGS, VR leagnostic response FD RGS, VR leagnostic Request FD RGS, VR leagnostic Request FD RGS, VR leagnostic Request FD RGS, VR leagnostic response FD RGS, VR leagnostic RGM, VR leagn</sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Req_FD DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_WL_Resp DIA_RGS_VL_Req DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Resp DIA_RGS_VR_Req_D DIA_RGS_VR_Resp DIA_RGS_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp	Ox120D54	ED 8 8 ED 8 8 ED 64 ED 64 ED 8 ED 64 ED 8 ED 64 ED 65			0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_CSS_HL_Req_Data 1 DIA_RGS_HL_Req_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Req_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_VL_Req_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VR_Req_Data 1 DIA_RGS_VR_Resp_Data 1 DIA_RGS_VR_Resp_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_RESP_FD_Data 1 DIA_RGS_RRS_HR_Resp_FD_Data 1 DIA_RGS_HR_RESP_FD_Data 1 DIA_RGS_HR_RESP_FD_Data 1	7 1 1 0 8 8 0 64 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange		valid value				S' E E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function lagnostics Request Flashing <sg name=""> lagnostics Request Flashing <sg name=""> lagnostics Request Flashing <sg name=""> lagnostic response flashing <sg name=""> lagnostic response flashing <sg name=""> lagnostic response flashing &B. H. lagnostic response flashing RGS, HL lagnostic response flashing RGS, HL lagnostic response flashing RGS, HR lagnostic response FD RGS, HR lagnostic response FD RGS, VL lagnosis Request Flashing RGS, VR lagnosis Request RGS, VR lagnosis Request RGS, VR lagnosis RGS</sg></sg></sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_Resp DIA_ECS_HL_Req DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HL_Resp DIA_ECS_HR_Resp DIA_ECS_HR_Resp DIA_ECS_HR_Resp DIA_ECS_HR_Resp DIA_ECS_HR_Resp DIA_ECS_HR_Resp DIA_ECS_VL_Req_ED DIA_ECS_VL_Resp DIA_ECS_VL_Resp DIA_ECS_VL_Resp DIA_ECS_VL_Resp DIA_ECS_VL_Resp DIA_ECS_VL_Resp DIA_ECS_VR_Resp DIA_ECS_FERSP_FD DIA_ECS_ECS_Resp_FD DIA_ECS_ECS_Resp_FD Diag_ECS_Resp_FD Diag_ECS_Resp_FD Diag_ECS_Resp_FD Diag_ECS_Resp_FD Diag_ECS_HL_Resp Diag_ECS_HL_Resp Diag_ECS_HL_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp Diag_ECS_HR_Resp	0x12DD54 ######## F 0x12DD54 ####### F 0x17FC42 ####### F 0x1C4020 ####### F 0x1C7FC421 ####### F 0x17FC47 ####### F 0x17FC17 ####### F 0x17FC18 ####### F 0x17EC19 ####### F 0x1C40162 ####### F 0x1C40520 ####### F 0x1C42520 ####### F 0x1C42520 ####### F 0x17FC07 ######## F 0x17FC07 ######### F	17D 88 17D 88 17D 88 17D 88 17D 88 17D 64 17			0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_CS_RESP_FD_Data 1 DIA_RCS_HL_Req_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HL_Resp_Data 1 DIA_RCS_HR_Req_FD_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_HR_Resp_Data 1 DIA_RCS_VL_Req_FD_Data 1 DIA_RCS_VL_Req_FD_Data 1 DIA_RCS_VL_Resp_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Req_FD_Data 1 DIA_RCS_VR_Resp_Data 1 DIA_RCS_VR_Resp_FD_Data 1 DIA_RCS_VR_Resp_FD_Data 1 Diag_eCS_Req_FD_Data 1 Diag_eCS_Resp_FD_Data 1 Diag_RCS_HL_Resp_Data 1 Diag_RCS_HL_Resp_Data 1 Diag_RCS_HL_Resp_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 513 OnChange 0 514 OnChange 0 515 OnChange 0 516 OnChange 0 517 OnChange 0 518 OnChange 0 519 OnChange 0 519 OnChange		valid value				S' E E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function leagnostics Request Flashing <sg name=""> leagnostics Request Flashing <sg <sg="" flashing="" leagnostic="" name="" response=""> leagnostic response flashing <sg name=""> leagnostic response flashing <sg name=""> leagnostic response flashing RGS HL leagnostic response FD RGS, HR leagnostic response FD RGS, VL leagnostic response FD RGS, VR leagnostic response flashing RGS, VR leagnostic response FD RGS, VR SI leagnostic RGS, VR SI leagno</sg></sg></sg></sg>
ClampControl_01 ClampControl_01 DIA_eCS_Req_DD DIA_eCS_Req_FD DIA_eCS_Resp DIA_eCS_Resp DIA_eCS_Resp DIA_RGS_HL_Req_FD DIA_RGS_HL_Resp DIA_RGS_HL_Resp DIA_RGS_HR_Req_FD DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VL_Resp DIA_RGS_VR_Req_FD DIA_RGS_VR_Req_FD DIA_RGS_VR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp DIA_RGS_HR_Resp	0x120D54	DD 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10			0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	P-ISO	NoMsgSendType	void 7 void 8 DIA_eCS_Req_Data 1 DIA_eCS_Req_FD_Data 1 DIA_eCS_Resp_Data 1 DIA_eCS_Resp_Data 1 DIA_CSS_HL_Req_Data 1 DIA_RGS_HL_Req_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HL_Resp_Data 1 DIA_RGS_HR_Req_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_HR_Resp_Data 1 DIA_RGS_VL_Req_Data 1 DIA_RGS_VL_Resp_Data 1 DIA_RGS_VR_Req_Data 1 DIA_RGS_VR_Resp_Data 1 DIA_RGS_VR_Resp_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_VR_Resp_FD_Data 1 DIA_RGS_RESP_FD_Data 1 DIA_RGS_RRS_HR_Resp_FD_Data 1 DIA_RGS_HR_RESP_FD_Data 1 DIA_RGS_HR_RESP_FD_Data 1	7 1 0 8 0 64 OnChange 0 512 OnChange 0 512 OnChange 0 512 OnChange 0 64 OnChange 0 512 OnChange 0 513 OnChange 0 514 OnChange 0 515 OnChange 0 516 OnChange 0 517 OnChange 0 518 OnChange 0 519 OnChange		valid value				S' E E' S	E E E S S S E E E S S S S S S S S S S S	slease is required by the requesting special function lagnostics Request Flashing «SG Name» lagnostics Request Flashing «SG name» lagnostics Response Flashing «SG name» lagnostics Response Flashing «SG name» lagnostic Response Flashing «SG name» lagnostic Response Flashing «SG HL lagnostic response Flashing RGS_HL lagnostic response flashing RGS_HL lagnostic response flashing RGS_HR lagnostic response flashing RGS_UL lagnostic response flashing RGS_VL lagnostic response flashing RGS_VL lagnostic response flashing RGS_VL lagnostic response flashing RGS_VR lagnostic channel flashing RGS_VR lagnost

4/20

g_RGS_VR_Resp	0x17FE	E062 ######	FD FD	8					0 TP-1	ISO	NoMsgSendType	Dia	ag_RGS_VR_Resp_Data	1	0	64 OnChange				valid value						E		S	liagnostic channel between diagnostic master and RGS_V
S_01	0xAF95	5510 ######	ŧ FD	8								voi	id	1	0	8													
5_01	0xAF95	5510 ######	FD FD	8								voi	id	2	0	4			Ì			T				$\overline{}$			
S_01	0xAF95	5510 ######	# FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status	2	4	2 Cyclic		0	3	not provided	200 ms				nit locked	E S			he eCS SG sends the status of the webbing locked or un
																									inlocked Error	4 7			magnet stroke on the webbing locked or unlocked).
S_01	0xAF95	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Stoerung	2	6	1 Cyclic		0		not provided	200 ms				no_disturbance	E S			he eCS signals a sporadic error or a communication
				\perp											_										disturbance	$oldsymbol{\sqcup}$			meout
S_01	0xAF95	5510 ######	# FD	8	50				0 Appl	olication	Cyclic	eC	CS_HW_defect	2	7	1 Cyclic		0		not provided	200 ms				iot_defect Defect	E S			ne eCS signals a HW_defect
S_01	0xAF95	5510 ######	‡ FD	8	50				0 Appl	olication	Cyclic	eC	CS_belt_lock_status_row	3	0	2 Cyclic		1		not provided	200 ms				not_built	E S			he eCS SG sends the status of the credit lock 2.SR drive
									"																not_available_error_o_init				irbag SG
																									not_plugged plugged				
S_01	OvAF94	5510 ######	£ FD	8	50				0 Anni	olication	Cyclic	eC	CS_belt_lock_status_row	3	2	2 Cyclic		1		not provided	200 ms				not_built	F S			he eCS SG sends the status of the credit lock 2.SR pass
5_01	0.074 30	3310 #######		۱ľ	30				U/Appi	nication i	Oyenc	00	JO_DGIL_IOUN_SIBILIS_IOW		-	Zioyolic		ľ		not provided	200 113				not_available_error_o_init				the airbag SG
																									not_plugged plugged				
2.04	0.450	EE40 ######	4 ITD		50			_	0 0 0 0 0	liantian	Custia	-0	C CDC	2	4	2 Cuelle		<u></u>		ant manifelad	200				not_available	E S			he eCS SG sends the status of the seat occupancy 2.SR
S_01	UXAF9	5510 ######	100	l °	50				UAppi	olication	Cyclic	80	CS_SBS_occupancy_row2_F		-	2 Cyclic		ľ		not provided	200 ms				hort_circuit_to_ground	E 3			ne airbag SG
																									not_occupied				
								_											4						occupied				h
_01	0xAF98	5510 ######	# IFD	8	50				0 Appl	olication	Cyclic	eC	CS_SBS_occupancy_row2_B	3	6	2 Cyclic		2		not provided	200 ms				not_available Short_circuit_to_ground	E S			he eCS SG sends the status of the seat occupancy 2.SR assenger to the airbag SG
																									not_occupied				
																									occupied				
01	0xAF98	5510 ######	FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status_Verr_Row1_FS_1	4	0	2 Cyclic		0		valid value	200 ms				nit_or_error pcked unlocked	E S			'err_row1=Lock row1
																									not_installed				
01	0xAF98	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status_Verr_Row1_BFS	4	2	2 Cyclic		0		valid value	200 ms				nit_or_error	E S			'err_row1=Lock row1
																									ocked unlocked not_installed				
.01	0xAF98	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status_Verr_Row1_FS_2	4	4	2 Cyclic		0		valid value	200 ms				nit_or_error	E S			err_row1=Lock row1
																									ocked unlocked not_installed				
_01	0xAF9	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status_Verr_Row1_BFS	4	6	2 Cyclic		0		valid value	200 ms				nit_or_error	E S			err_row1=Lock row1
									1																ocked unlocked				
																									not_installed				
01	0.450	5510 ######	L ID		50		+		0 0	liantina	Cuelia	-0	CC Chattan Vers David FC	-		2 Ovelle				unlist colors	200				nit_or_error	F 8			land and Online transport
01	UXAF9	5510 ######	ייי		50				U Appi	olication	Cyclic	60	CS_Status_Verr_Row2_FS	5	ď	2 Cyclic		ľ		valid value	200 ms				ocked unlocked				'err_row2=Lock row2
																									not_installed				
									_						_														
01	0xAF98	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Status_Verr_Row2_BFS	5	2	2 Cyclic		0		valid value	200 ms				nit_or_error pcked unlocked	E S			err_row2=Lock row2
																									not_installed				
01	0xAF98	5510 ######	# FD	8	50				0 Аррі	olication	Cyclic	eC	CS_Error_Row1_FS_1	5	4	3 Cyclic		0		valid value	200 ms			l l	no_error	E S			rror messages actuator
																									short_circuit_to_ground short_circuit_to_plus				
																								l l	pen_circuit actuator_coil_error				
				\perp																					actuator_coir_error				
_01	0xAF98	5510 ######	# FD	8	50				0 Аррі	olication	Cyclic	eC	CS_Error_Row1_BFS_1	5	7	3 Cyclic		0		valid value	200 ms				no_error short_circuit_to_ground	E S			rror messages actuator
																									hort_circuit_to_plus				
																									ppen_circuit actuator_coil_error				
				$\perp \perp$											_											ш			
_01	0xAF96	5510 ######	# FD	8	50				0 Appl	olication	Cyclic	eC	CS_Error_Row1_FS_2	6	2	3 Cyclic		0		valid value	200 ms				no_error short circuit to ground	E S			rror messages actuator
																									short_circuit_to_plus				
																									ppen_circuit actuator_coil_error				
				$\perp \perp$											_														
01	0xAF98	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_Error_Row1_BFS_2	6	5	3 Cyclic		0		valid value	200 ms				no_error short_circuit_to_ground	E S			rror messages actuator
																									hort_circuit_to_plus				
																									pen_circuit actuator_coil_error				
			1 50																										
01	0xAF98	5510 ######	FD	8	50				0 Appl	olication	Cyclic	eC	CS_Error_Row2_FS	7	0	3 Cyclic		0		valid value	200 ms				to_error hort_circuit_to_ground	E S			rror messages actuator
																									hort_circuit_to_plus				
																									ppen_circuit actuator_coil_error				
01	0xAF96	5510 ######	FU	8	50				0 Appl	olication	Cyclic	eC	CS_Error_Row2_BFS	7	3	3 Cyclic		0		valid value	200 ms				to_error short_circuit_to_ground	E S			rror messages actuator
																									hort_circuit_to_plus				
																									ppen_circuit actuator_coil_error				
04	0.150	5540 HH	L FD							lineti -	Ouelie		20 000 1 410111 2 4 5			2 Cuelle					200				oit.			HH	and last appropriate the Control of the Control
01	UXAF98	5510 ######	FU	8	50				U Appl	olication	Сусис	eC	CS_SBS_LastState_Row2_F	7	6	2 Cyclic		V .		valid value	200 ms				nit occupi	ES			ave last occupancy state of the SBR sensor
																								1	ed .				
																									tot_occupie Il error				
1	0xAF95	5510 ######	FD FD	8	50				0 Appl	olication	Cyclic	eC	CS_SBS_LastState_Row2_B	8	0	2 Cyclic		0		valid value	200 ms				nit	E S			ave last occupancy state of the SBR sensor
																									occupi ed				
																									ot_occupie				
1	OvAE04	5510 ######	f FD	0								voi	id	8	2	6									l error				
)1	_	54C ######		g g								voi		1	0														
01		54C ######		8				-+	-		 	voi		2	0	4	+ + +		+			+ +		+ +		\vdash	\vdash	++	
11	_	54C ######		8	500	1	0	10	0 April	olication	Cyclic	-	PA_Parking_position_achieve	2	4	1 OnChangeWithRepetition	5	0	+	valid value	200 ms	+ +		+	Park_position_not_reached	s	E	++	IGS_HL has reached the parking position
				⊥l								d_l	HL									\perp			Park_position_reached	\perp	$\sqcup \! \! \! \! \! \perp$		
11	0xAF95	54C ######	# FD	8	500	1	0	10	0 Appl	olication	Cyclic		PA_Parking_position_achieve	2	5	1 OnChangeWithRepetition	5	0		valid value	200 ms				Park_position_not_reached Park_position_reached	S	E		GS_HR has reached the parking position
и	O-VED	54C ######	E FD		500		0	10	0 000	olication	Cyclic	u	HR PA_Parking_position_achieve	-	e e	1 OnChangeWithRepetition	5	- h	+	valid value	200 ms	+ +		 - 	Park_position_reached	s	\vdash	F	GS_VL has reached the parking position
"	UXAF95	""" 	, , ,	8	500	1	1	10	UAPPI	mcauUII	Оуспо	d V	VL	'	٩	Tononangevviurkepetition	"	ľ		valiu value	EJU IIIS				Park_position_reached	١			CO_v E has reached the parking position
11	0xAF95	54C ######	# FD	8	500	1	0	10	0 Appl	olication	Cyclic		PA_Parking_position_achieve	2	7	1 OnChangeWithRepetition	5	0	i	valid value	200 ms	1 1			Park_position_not_reached	S		E	tGS_VR has reached the parking position
				$\perp \perp$			1		1.7			d_'	VR	\vdash			\perp		1			\perp			Park_position_reached	$oldsymbol{oldsymbol{oldsymbol{\mu}}}$	$\sqcup \!\!\! \perp$	Ш	
)1		54C ######		8							0 "	voi		3	_	18									and in				
rbag_01	0x17F0	0001 ######	FD	8	500				0 Appl	olication	Cyclic	Air	rbag_01_CompProtection	1	0	1 Cyclic		0		valid value					hactiv	S			unction restriction due to component protection active
																										4			

						I					T 1				L. marketine Browlend			
KN_Airbag_01	0x17F0001 ####### FD	8 50		0 Application	Cyclic	Airbag_01_deactivation stage	1 1	1 Cyclic	0		valid value				no_restriction Functional estriction	S		unction restriction due to active shutdown stage
KN_Airbag_01	0x17F0001 ####### FD	8 50	10	0 Application	Cyclic	Airbag_01_Transport_Mode	1 2	1 Cyclic	0		valid value				no_restriction Functional estriction	S		unctional limitation due to active transport mode and/or ansport protection
KN_Airbag_01	0x17F0001 ####### FD	8			0.1	void	1 3	1							Dama on KL15 ON			have in the constitute given by the hardware to excitate the
KN_Airbag_01	0x17F0001 ######## FD	8 50	10	0 Application	Cyclic	Airbag_01_trailing type	1 4	4 Cyclic	2		valid value				Come_on_KL15_ON Come_on_KL15_OFF Come_on_KL15_OFF	S		hown is the possibility given by the hardware to maintain the ommunication after terminal 15 = OFF. An Init value is sent.
KN_Airbag_01	0x17F0001 ####### FD	8				void		24										
KN_Airbag_01 KN_Airbag_01	0x17F0001 ####### FD 0x17F0001 ####### FD	8 50 8 50	_	Application Application	Cyclic	KN_Airbag_01_ECUKnockOutT KN_Airbag_01_BusKnockOut	5 0	6 Cyclic 2 Cyclic	0	-	valid value	0 52 062		13	CUKnockOut_disabled unction_not_deleted	S S		output of the ECUKnockOut timer output of the BusKnockout status
				11,4,	,										/eto_active Function_deleted Function_deactivated			
KN_Airbag_01	0x17F0001 ####### FD	8 50	10	0 Application	Cyclic	KN_Airbag_01_BusKnockOutTi	6 0	8 Cyclic			valid value	0 254 0254		255	BusKnockOut_disabled	S		Output of the BusKnockOut timer
KN_Airbag_01	0x17F0001 ######## FD	8 50	0	0 Application	Cyclic	NM_Airbag_01_Wakeup	7 0	8 Cyclic	0		valid value				Periphery_Wakeup_Cause_not_known Bus_Wakeup CL15_HW beat occupancy detection_driver Seat belt buckle fetection_driver	0		ontains the wake-up cause, if several wake-up causes are resent in parallel, then the smallest value must be transmitted
KN_Airbag_01	0x17F0001 ######## FD	8 50	10	0 Application	Cyclic	KN_Airbag_01_ECUKnockOut	8 0	2 Cyclic	0		valid value			,	function_not_deleted /eto_was_active function_deleted function_deactivated	S		Jutput of the ECU knockout status
KN_Airbag_01	0x17F0001 ####### FD	8				void	8 2	2							active			dentification of the diagnostic capability of the bus interface of an
KN_Airbag_01	0x17F0001 ######## FD	8 50	10	0 Application	Cyclic	KN_Airbag_01_DiagPath	8 4	1 Cyclic			valid value				activ	S		CU (node) cope LAH 80127 o be set explicitly per connected Businterface when using the ignal: 10Bw_Baseline on F-CANFD 1 = 0 (active)
KN_Airbag_01	0x17F0001 ####### FD	8				void	8 5	2										
KN_Airbag_01	0x17F0001 ####### FD	8 50	10	0 Application	Cyclic	Airbag_01_KD_error	8 7	1 Cyclic	0		valid value				No_KD_error KD_error	S		the bit is set, at least one customer service error is entered
KN_RGS_HL	0x17F000F ######## FD	16 50	10	0 Application	Cyclic	RGS_HL_CompProtection	1 0	1 Cyclic	0		not provided				nactiv active		0	unction restriction due to component protection active
KN_RGS_HL	0x17F000F ####### FD	16 50	10	0 Application	Cyclic	RGS_HL_shutdown stage	1 1	1 Cyclic	0		not provided				no_restriction Functional estriction		0	unction restriction due to active shutdown stage
KN_RGS_HL	0x17F000F ######## FD	16 50	10	0 Application	Cyclic	RGS_HL_Transport_Mode	1 2	1 Cyclic	0		not provided				no_restriction Functional estriction		0	unctional limitation due to active transport mode and/or ransport protection
KN_RGS_HL	0x17F000F ####### FD	16	10	0 4:	Cuelic	void	1 3	1 Contin			- A avaided				Come_on_KL15_ON			hown is the noccibility given by the hardware to maintain the
KN_RGS_HL	0x17F000H ######## FD	16 50	10	0 Application	Cyclic	RGS_HL_trailing type	1 4	4 Cyclic	2		not provided				Come_on_KL15_OFF Come_on_KL15_OFF			hown is the possibility given by the hardware to maintain the ommunication after terminal 15 = OFF. An Init value is sent.
KN_RGS_HL	0x17F000F ####### FD	16 50	10	0 Application	Cyclic	RGS_HL_SNI_10	2 0	10 Cyclic	249		valid value			249	RGS_HL_SNI		0	ource Node-Identifier (SNI) uniquely identifies the sender of the NM nessage (node address) in the vehicle.
KN_RGS_HL	0x17F000F ######## FD	16 50	10	0 Application	Cyclic	KN_RGS_HL_ECUKnockOut	3 2	2 Cyclic	0		valid value 200 ms				unction_not_deleted /eto_was_active -unction_deleted		S	output of the ECU knockout status
KAL DOO !!!	0.470000	10				noted .								1	-unction_deactivated			
KN_RGS_HL KN_RGS_HL	0x17F000F ####### FD 0x17F000F ####### FD	16 50	10	0 Application	Cyclic	void RGS_HL_Local active	3 4	1 Cyclic	0	+	valid value		+ + -		was_not_local_active		0	ndicates whether the SG was still active after terminal15 OFF
KN_RGS_HL	0x17F000F ######## FD	16 50	10	0 Application	Cyclic	RGS_HL_Subsystem active	3 6	1 Cyclic	0		valid value				vas_local_active Subsystem_was_not_locally_active vas_locally_active		0	nd after the corresponding MAX active time. ndicates whether a subsystem of the SG was still active after erminal15 OFF and after the corresponding MAX active time.
KN_RGS_HL	0x17F000F ####### FD	16 50	10	0 Application	Cyclic	RGS_HL_KD_error	3 7	1 Cyclic	0		not provided				io_KD_error		0	
KN_RGS_HL	0x17F000F ####### FD	16 50	10	0 Application	Cyclic	KN_RGS_HL_ECUKnockOutTim	4 0	6 Cyclic	0		valid value 200 ms	D 52 D62		13	KD_error ECUKnockOut_disabled		S	output of the ECUKnockOut timer
KN_RGS_HL	0x17F000F ######## FD	16 50		0 Application		KN_RGS_HL_BusKnockOut	4 6	2 Cyclic	0		valid value 200 ms		+ + -				S	Output of the BusKnockout status
				11,4,4	5,5										/eto_active -unction_deleted -unction_deactivated			
KN_RGS_HL	0x17F000F ####### FD	16 50	10	0 Application	Cyclic	KN_RGS_HL_BusKnockOutTim	5 0	8 Cyclic	0		valid value 200 ms	0 254 0254		255	BusKnockOut_disabled		S	Output of the BusKnockOut timer
KN_RGS_HL	0x17F000F ######## FD	16 50	V	0 Application	Cyclic	NM_RGS_HL_FCIB	6 0	56 Cyclic			valid value			34359738368	Int I. CarWakeUp 12. Basefunction, Powertrain 13. Basefunction, Chassis 14. Basefunction, Chassis 14. Basefunction, DrivingAssistance 16. Basefunction, Infortalment 16. Basefunction, ComfortLight 17. Basefunction, ComfortLight 17. Basefunction, ComfortLight 19. ersestruction 10. Powertrain 11. Chassis 2. CearSelector 3. Airbag 4. InfortalmentExtensions 5. InstrumentCusterDisplay 16. InfortalmentExtensions 5. InstrumentCusterDisplay 17. Audio 18. VirtualSideMirrors 19. Doors, Hatches 10. ChassesSystemSensors 5. HighVoltage, Charging 7. Timemaster, Timer 2. OnthoandTester, DataCollector 19. SteeringColumnLock 10. EnergyManagement 11. Multifunctions(SteeringWheel 2. ConlineAccess 3. ExternaWirelessCommunication 4. GPS, Localization 5. ExteriorSound 16. Prel-Reater			CIB = Function Cluster Initialization Bits
KN_RGS_HL	0x17F000F ######## FD	16	10	O Applied to	Cuolic	void DGS_UB_CompBrataction	13 0	32 1 Cyclic			not provided				nactiv		0	unation postriction due to common and analysis
KN_RGS_HR	UXI/FUUUH ######## FU	16 50		0 Application	Cyclic	RGS_HR_CompProtection	1 0	1 Cyclic			not provided				active		U	unction restriction due to component protection active

KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	RGS_HR_shutdown stage	1 1	1 Cyclic			not provided		o_restriction Functional	In I	unction restriction due to active shutdown stage
KN_RGS_HR	0x17F000F ####### FD	16	500	0 Application	The state of the s			1 Cyclic					estriction no_restriction Functional	0	unctional limitation due to active transport mode and/or
		16	500	UApplication	Cyclic	RGS_HR_Transport_Mode			ľ		not provided		estriction	ľ	ansport protection
KN_RGS_HR KN_RGS_HR	0x17F000F ####### FD 0x17F000F ####### FD	16	500	0 Application	Cyclic	void RGS_HR_trailing type	1 3	1 Cyclic			not provided		Dome_on_KL15_ON	0	hown is the possibility given by the hardware to maintain the
uv_100_1#1	OATTOOO MARANA	10	300	о другинания	Cyclic	ICO_I II Cualling type		- Cyclic			no provided		come_on_KL15_OFF		ommunication after terminal 15 = OFF. An Init value is sent.
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	RGS_HR_SNI_10	2 0 1	10 Cyclic	2	50	valid value		250 RGS_HR_SNI	0	ource Node-Identifier (SNI) uniquely identifies the sender of the NM nessage (node address) in the vehicle.
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	KN_RGS_HR_ECUKnockOut	3 2	2 Cyclic	0		valid value 200 ms		unction_not_deleted	S	output of the ECU knockout status
													Veto_was_active -unction_deleted -unction_deactivated		
KN_RGS_HR KN_RGS_HR	0x17F000F ####### FD 0x17F000F ######## FD	16	500	0 Application	Cyclic	void RGS_HR_Local active	3 4	1 Cyclic			valid value		vas not local active	0	ndicates whether the SG was still active after terminal15 OFF
		10											vas_local_active	ľ	nd after the corresponding MAX active time.
KN_RGS_HR	0x17F000F ######### FD	16	500	0 Application	Cyclic	RGS_HR_Subsystem active	3 6	1 Cyclic	0		valid value		Subsystem_was_not_locally_active was_locally_active	0	ndicates whether a subsystem of the SG was still active after erminal 15 OFF and after the corresponding MAX active time.
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	RGS_HR_KD_error	3 7	1 Cyclic	0		not provided) no_KD_error KD_error	0	
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	KN_RGS_HR_ECUKnockOutTi	4 0	6 Cyclic	0		valid value 200 ms 0 52 0 62)	3 ECUKnockOut_disabled	S	lutput of the ECUKnockOut timer
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	KN_RGS_HR_BusKnockOut	4 6	2 Cyclic	0		valid value 200 ms		unction not deleted /eto_active ! unction_deleted unction_deactivated	S	Output of the BusKnockout status
KN_RGS_HR	0x17F000F ######## FD	16	500	0 Application	Cyclic	KN_RGS_HR_BusKnockOutTim	5 0	8 Cyclic	0		valid value 200 ms D 254 D254) 1	255 BusKnockOut_disabled	S	output of the BusKnockOut timer
KN_RGS_HR	0x17F000F ######## FD		500	0 Application	Cyclic	NM_RGS_HR_FCIB		6 Cyclic			valid value		CarWakelp		CIB = Function Cluster Initialization Bits
KN_RGS_HR KN_RGS_VL	0x17F000F ####### FD 0x17F000E ####### FD	16 16	500	0 Application	Cyclic	void RGS_VL_CompProtection	13 0 3	1 Cyclic	0		not provided) hactiv	0	unction restriction due to component protection active
KN_RGS_VL	0x17F0005 ######## FD	16	500	0 Application	Cyclic	RGS_VL_shutdown stage	1 1	1 Cyclic			not provided		active no_restriction Functional		unction restriction due to active shutdown stage
	0x17F000\$ ####### FD	40	500	0 Application	, i	RGS_VL_Transport_Mode							estriction lo_restriction Functional		unctional limitation due to active transport mode and/or
KN_RGS_VL		10	500	UApplication	Cyclic	·	4	1 Cyclic			not provided		estriction		ansport protection
KN_RGS_VL KN_RGS_VL	0x17F0005 ####### FD 0x17F0005 ######## FD	16	500	0 Application	Cyclic	void RGS_VL_trailing edge type	1 3	1 4 Cyclic	2		not provided		Come_on_KL15_ON	0	hown is the possibility given by the hardware to maintain the ommunication after terminal 15 = OFF. An Init value is sent.
KN_RGS_VL	0x17F0005 ######## FD	16	500	0 Application	Cyclic	RGS_VL_SNI_10	2 0 1	10 Cyclic	9	1	valid value		4 RGS_VL_SNI	0	ource Node-Identifier (SNI) uniquely identifies the sender of the NM nessage (node address) in the vehicle.
KN_RGS_VL	0x17F0005 ######## FD	16	500	0 Application	Cyclic	KN_RGS_VL_ECUKnockOut	3 2	2 Cyclic	0		valid value 200 ms		Function_not_deleted	S	lutput of the ECU knockout status
													Veto_was_active -unction_deleted -unction_deactivated		
KN_RGS_VL KN_RGS_VL	0x17F0005 ####### FD 0x17F0005 ####### FD	16	500	0 Application	Cyclic	void RGS_VL_Local active	3 4	1 Cyclic	- h		valid value		vas_not_local_active	0	indicates whether the SG was still active after terminal15 OFF
KN_RGS_VL	0x17F0005 ######## FD	16	500	0 Application		RGS_VL_Subsystem active		1 Cyclic	0		valid value		vas_local_active bubsystem_was_not_locally_active vas_locally_active	0	nd after the corresponding MAX active time. Idicates whether a subsystem of the SG was still active after erminal 15 OFF and after the corresponding MAX active time.
			500	0 Application	Cyclic	RGS_VL_KD_error	3 7	1 Cyclic	h		not provided) to_KD_error		
(N RGS VI	0x17F000F ######## FD	161		Urphication	3,010	VE_ND_GIIOI							KD_error	"	
KN_RGS_VL	0x17F0005 ####### FD	16			0	VAL DOO VIL TOUT 10 TT	اء ا،		1 1 1.	1 1	10 10 10 10 10 10 10 10 10 10 10 10 10 1		bo Former or a con-	1 12	to to the FOURCE OF Section
KN_RGS_VL	0x17F000\$ ######## FD	16	500	0 Application		KN_RGS_VL_ECUKnockOutTim		6 Cyclic	0		valid value 200 ms 0 52 0 62		\$3 ECUKnockOut_disabled	S	lutput of the ECUKnockOut timer
		16 16		0 Application 0 Application		KN_RGS_VL_ECUKnockOutTim KN_RGS_VL_BusKnockOut		6 Cyclic 2 Cyclic	0		valid value 200 ms 0 32 062 valid value 200 ms 0		3 CUKnockOut_disabled function_not_deleted /eto_active function_deleted function_deleted function_deactivated	S	output of the ECUKnockOut timer output of the BusKnockout status

KN_RGS_VL	0x17F0003 ######## FD	500		0 Application	Cyclic	NM_RGS_VL_FCIB	6 0 56 Cyclic	0	not provided			6 12 24 44 128 256 1512 1004 10096 1592 16394 12768 15536 131072 162144 1524288 1048576 1097152 1194304 1388008 16777216 194354432 17708884 16777216 194304 1888008 16777216 194304 1888008 16777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188554432 188508 168777216 188508 168777216 188508 168777216 188508 168777216 1885080	nt nt L CarWakeUp 12. Basefunction, Powertrain 13. Basefunction, Chassis 14. Basefunction Driving/assistance 15. Basefunction, Infortaliment 16. Basefunction, ComfortLight 17. Basefunction, Consection 18. Basefunction, Connectivity 19creserved- 10. Powertrain 11. Chassis 2. GearSelector 3. Airbag 4. InfotalimentExtensiors 5. InstrumentCusterDisplay 6. InfotalimentPisplay 7. Audio 8. VirtualSideMirrors 9. Doors, Hatches 10. Optional Comfort 1. AirSuspension 2. ExteriorLights 3. Climate 4. ThermoManagement 5. AccessSystemSensors 6. HighYoltage, Charging		0	CIB = Function Cluster Initialization Bits
W. 500 V	A CYCCO MINIMUM ID											34217728 688435456 36870912 073741824 1147483648 2294967296 3589934592 7179869184	7. Timemaster, Timer 8. OnboardTester, DataCollector 9. SteeringColumnLock 0. EnergyManagement 1. Mulfun.colmaSteeringWheel 2. OnlineAccess 3. ExternaWheesCommunication 4. GPS_Localization 6. ExteriorSound 6. PreHeater 7. HighVoltage_WirelessChargingStation			
KN_RGS_VL KN_RGS_VR	0x17F0005 ####### FD 16			0 Application	Cyclic	void RGS_VR_CompProtection	13 0 32 1 0 1 Cyclic	0	not provided				nactiv		0	unction restriction due to component protection active
													active			
KN_RGS_VR	0x17F0005 ######## FD 10	500		0 Application	Cyclic	RGS_VR_shutdown stage	1 1 Cyclic	0	not provided				no_restriction Functional estriction		0	unction restriction due to active shutdown stage
KN_RGS_VR	0x17F0005 ######## FD 10	500		0 Application	Cyclic	RGS_VR_Transport_Mode	1 2 1 Cyclic	0	not provided				no_restriction Functional estriction		0	unctional limitation due to active transport mode and/or ansport protection
KN_RGS_VR	0x17F0005 ######## FD 16					void	1 3 1									
KN_RGS_VR	0x17F0005 ####### FD 16	5 500		0 Application	Cyclic	RGS_VR_trailing type	1 4 4 Cyclic	2	not provided				Come_on_KL15_ON Come_on_KL15_OFF Come_on_KL15_OFF		0	hown is the possibility given by the hardware to maintain the ommunication after terminal 15 = OFF. An Init value is sent.
KN_RGS_VR	0x17F0005 ####### FD 10	500		0 Application	Cyclic	RGS_VR_SNI_10	2 0 10 Cyclic	95	valid value			95	RGS_VR_SNI		0	ource Node-Identifier (SNI) uniquely identifies the sender of the NM nessage (node address) in the vehicle.
KN_RGS_VR	0x17F000\$ ####### FD 11			0 Application	Cyclic	KN_RGS_VR_ECUKnockOut	3 2 2 Cyclic	0	valid value				unction_not_deleted /eto_was_active -unction_deleted -unction_deactivated		S	hulput of the ECU knockout status
KN_RGS_VR	0x17F0005 ####### FD 16			0 Application	Cyclic	RGS_VR_Local active	3 5 1 Cyclic	0	valid value			 	vas_not_local_active		0	ndicates whether the SG was still active after terminal15 OFF
KN_RGS_VR	0x17F0005 ####### FD 10	5 500		0 Application	Cyclic	RGS_VR_Subsystem active	3 6 1 Cyclic	0	valid value				vas_local_active Subsystem_was_not_locally_active		0	nd after the corresponding MAX active time. Indicates whether a subsystem of the SG was still active after
KN_RGS_VR	0x17F0000 ######## FD 11			0 Application	Cyclic	RGS_VR_KD_error	3 7 1 Cyclic	0	not provided				vas_locally_active		0	erminal15 OFF and after the corresponding MAX active time.
KN_RGS_VR	0x17F0005 ######## FD 10	5 500		0 Application	Cyclic	KN_RGS_VR_ECUKnockOutTi	4 0 6 Cyclic	0	valid value	0 62	062	33	KD_error ECUKnockOut disabled		S	output of the ECUKnockOut timer
KN_RGS_VR	0x17F0005 ######## FD 11			0 Application	Cyclic	KN_RGS_VR_BusKnockOut	4 6 2 Cyclic	0	valid value				unction_not_deleted /eto_active Function_deleted Function_deactivated		S	utput of the BusKinockout status
KN_RGS_VR		500		Application Application	Cyclic	KN_RGS_VR_BusKnockOutTim	5 0 8 Cyclic 6 0 56 Cyclic	0	valid value	0 254) 254	255	BusKnockOut_disabled		S	Output of the BusKnockOut timer
KN_RGS_VR KN_RGS_VR NM_Airbag	Ох17F0000 ########## FD 11 Ох1800000 ######### FD 2			0 Application	Cyclic	NM_RGS_VR_FCIB void void	6 0 56 Cyclic	0	not provided				ht Cal'WakeUp 2. Basefunction, Powertrain 3. Basefunction, Chassis 4. Basefunction, Chassis 4. Basefunction, DrivingAssistance 5. Basefunction, Comissis 6. Basefunction, Comissis 7. Basefunction, Comissis 8. Basefunction, Comissis 9. Gasefunction, Comissis 9. Gasefunction, Comissis 9. Gasefunction, Comissis 1. Chassis 1. Chassis 2. GearSelector 3. Arthag 4. InfotammentExtensions 5. InstrumentCusterDisplay 6. InfotammentDisplay 7. Audio 8. VirtualSideMirrors 9. Doors, Hatches 10. OptionalComfort 1. ArtSuspension 2. ExteriorLights 3. Climate 4. ThermoManagement 5. AcossSystemSensors 6. HighVoltage, Charging 7. Timemaster, Timer 5. OnboardTester, DataCollector 9. SteeringColumnLock 0. EnergyManagement 1. MultifunctionalSteeringWheel 2. OnlineAcosss 3. ExternaWirelessCommunication 4. GPS, Localization 5. ExteriorSound 6. Pret-leater 7. HighVoltage_WirelessChargingStation			CIB = Function Cluster Initialization Bits
NM_Airbag NM_Airbag	0x1B00001 ####### FD 2x 0x1B00001 ####### FD 2x		20 10	0 NMH	IfActive	void 3 NM_Airbag_01_CBV_AWB	1 0 4 1 NoSigSendType	0	valid value		1		Passive_WakeUp	S	++-	he signal is to be set when the SG has actively woken up the bus
NM_Airbag	0x180000 ######## FD 22					void	1 5 1						kdive_WakeUp			= Passive_WakeUp = SG did not actively wake up the network = Active_WakeUp = SG has actively woken up the network
•				•				 	· · · · · · · · · · · · · · · · · · ·							

NM_Airbag	0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	3 NM_Airbag_01_CBV_CRI 1	1 6 1 NoSigSendType			valid value)	VM_without_cluster_requirements VM_with_cluster_requirements	S		he signal is permanently set if the NM layout contains cluster equests
NM_Airbag NM_Airbag	0x1800001 ######## FD 0x1800001 ######## FD		200	20	10	0 NMH	IfActive	void 1 3 NM_Airbag_01_FCAB 2	1 7 1 2 0 56 OnChangeWithRepetition	0		valid value		6 6 22 34 4 28 56 512 004 512 004 512 004 512 004 512 005 513 007 515 513 005 513 007 515 513 005 513 007 515 513 005 513 007 515 513 005 513 007 515 513 005	M_wth_duster_requirements it 1. CarWakeUp 2. Basefunction_Powertrain 3. Basefunction_Chassis 4. Basefunction_Chassis 4. Basefunction_Chassis 4. Basefunction_Chassis 6. Basefunction_Conforti_git 7. Basefunction_Conforti_git 7. Basefunction_Connectivity 6. reserved> 10. Powertrain 11. Chassis 2. CearSelector 3. Airbag 4. InfoliamentEutensions 5. InstrumentCusterSipsiay 6. InfoliamentEutensions 5. InstrumentCusterSipsiay 6. InfoliamentEutensions 6. InfoliamentEutensions 7. Audio 8. VirtualSideMirrors 9. Doors_Hatches 10. OptionalComfort 11. AfSuspension 2. ExteriorUsphts 5. AccessSystemSensors 6. HighYoltage_Charging 7. Timenaster_Imen 6. S. AccessSystemSensors 6. BighYoltage_Charging 7. Timenaster_Imen 6. S. AccessSystemSensors 6. S. SecringCountLock 6. S. SeteringCountLock 6. S. CassSystemSensors 6. S. SeteringCountLock 6. Seterin	S E	E E E	
														8589934 1717986 8435973	592 4_GPS_Localization 9184 5_ExteriorSound 9368 6_Preheater			
NM_Airbag NM_Airbag	0x1B00001 ######## FD 0x1B00001 ######## FD		200	20	10	0 NMH	IfActive	void 9 3 NM_Airbag_01_SNI_10 17	9 0 64 7 0 10 NoSigSendType	2	1	valid value		POT 1947	6736 87_HighVoltage_WirelessChargingStatio	S		ource Node-Identifier (SNI) uniquely identifies the sender of the N tessage (node address) in the vehicle.
NM_Airbag	0x1B00001 ####### FD		\perp					void 18	8 2 6									
NM_Airbag	0x1B00001 ######## FD	24	200	20	10	0 NMH	IfActive	3 NM_Airbag_01_NM_State 19	9 0 6 NoSigSendType	0		valid value		 	nit M. FM. out BSM M. FM. out PBSM MM. NO. out FM MM. NO. out FM MM. NO. out RS eserved eserved	S		= State Repeat Message (<- Bus-Sleep Mode) 4 State Repeat Message (<- Prepare Bus-Sleep Mode) 4 State Normal Operation (<- Repeat Message) = Normal Operation state (<- Ready Sleep)
NM_Airbag NM_Airbag	0x1B00001 ####### FD 0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	void 19 3 NM_Airbag_01_UDS_CC 19	9 6 1 9 7 1 NoSigSendType	0		valid value			nactive	S	+++	unction restriction due to active UDS-Communication Control, se
NM_Airbag	0x1B00001 ######## FD		200	20	10	0 NMH	IfActive	3 NM_Airbag_01_Wakeup 20		0		valid value			C_active Periphery_Wakeup_Cause_not_known Bus_Wakeup KL15_HW Seat occupancy detection_driver Seat belt bu letection_driver	S		W80124 ontains the wake-up cause; if several wake-up causes are resent in parallel, then the smallest value must be transmitted
NM_Airbag	0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	3 NM_Airbag_01_NM_aktiv_KL15 21	1 0 1 NoSigSendType	0		valid value)	nactive	S		ontrol unit has detected KL15-EIN
NM_Airbag	0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	3 NM_Airbag_01_NM_active_Diag 21	1 1 NoSigSendType	0		valid value			(L15_ON nactive Diagnosis_active	S		hagnosis is in a NonDefaultDiagnostic-Session, e.g. xtendedDiagnostic-Session, according to VW80124.
NM_Airbag	0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	3 NM_Airbag_01_NM_active_Tmin 21	1 2 1 NoSigSendType	0		valid value			nactive Minimum	S		linimum active time has not yet expired (the minimum ctive time is restarted with each wake-up event).
NM_Airbag NM_Airbag	0x1B00001 ######## FD 0x1B00001 ######## FD	24	200	20	10	0 NMH	IfActive	void 21 3 NM_active_K115_implausible 21		0		valid value		0	nactiv † Active	S		he triggering capability remains after SW KL15 ON -> OFF ntl HW K115 is also OFF (and also V< parameterizable speed reshold is detected for a parameterizable time). After that, the tiggering capability in the airbag ends and is only reactivated by L15ON.
NM_Airbag	0x1B00001 ######## FD	24	200	20	10	0 NMH	IfActive	3 NM_active_seat occupancy 21	1 5 1 NoSigSendType	0		valid value			nactiv Active	S		hen a change in seat occupancy is detected, the airbag wakes p the UserStateServer to notify driver presence or driver bsence. At the same time, the airbag must wake up the TSG to void a delay due to a cascaded wakeup by the serStatesServer.
NM_Airbag	0x1B00001 ####### FD	24	200	20	10	0 NMH	IfActive	3 NM_active_trigger_able 21	1 6 1 NoSigSendType	0		valid value			nactiv ? Active	S		he tripping capability is established with KL15 On. The lggering capability remains after KL15 ON -> OFF until V < parameterizable speed threshold is also detected for a arameterizable time (overrun cause). After this, the triggering apability in the airbag ends and is only reactivated by L15ON.
NM_Airbag	0x1B00001 ######## FD		200	20	10	0 NMH	IfActive	3 NM_active_belt_lock 21		0		valid value		D I	nactiv Active	S		hen a change in seat belt buckle status is detected, the airbe akes up the UserStateServer to communicate the information alled / not bethed. At the same time, the airbag must wake up the TSG to avoid a delay due to a cascaded wakeup by the serStatesServer.
NM_Airbag	0x1B00001 ####### FD		200	20	10	0 NMH	IfActive	3 NM_active_belt_parking 22	2 0 1 NoSigSendType	0		valid value			nactiv Active	S		he airbag must keep the SC-CAN awake to the reversible belt ensioners when the belt parking function is active
NM_Airbag	0x1B00001 ####### FD		200	20	10	0 NMH	IfActive	3 NM_active_drive_CAN_active 22		0		valid value			nactiv Active	S		he airbag must always keep the SC-CAN awake as a subCAN to he reversible belt tensioners as long as the A-CAN is active.
NM_Airbag NM_Airbag	0x1B00001 ####### FD 0x1B00001 ####### FD		$-\Gamma$	_			1 7	void 22 void 23	2 2 6 3 0 16	-								
NM_RGS_HL	0x1B0000F ####### FD	24						void 1	1 0 4									
NM_RGS_HL	0x1B0000F ######## FD	24	200	20	10	0 NMH	IfActive	3 NM_RGS_HL_CBV_AWB 1	1 4 1 NoSigSendType	0		valid value			Passive_WakeUp Active_WakeUp		S	he signal is to be set when the SG has actively woken up the bus = Passive_WakeUp = SG did not actively wake up the network = Active_WakeUp = SG has actively woken up the network

NM_RGS_HL	0x1B0000F #######	FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_CBV_CRI	1	6 1 NoSigSendType	1	valid value					//_without_cluster_requirements		S		he signal is permanently set if the NM layout contains cluster
NM_RGS_HL	0x1B0000F ########	ITD.	24					void	1	7 4						NM	M_with_cluster_requirements				equests
			24 200	20	10	0 NMH	If Active	1.0.0	2	/ 1 0 56 OnChangeWithRepatition	h	valid value				nit	<u> </u>	F F	S E	F F	CAR = Function Cluster Active Rite
M. ROS. HL	0x1B0000H #################################	-	24 200	20	10	0 NMH	IfActive	3 NM.RGS.HL_FCAB	2	0 56 OnChangeWithRepetition	0	valid value			16 22 24 14 128 256 312 1024 1048 1096 3192 16384 2,2788 3555 3107 8214 12428 10485 10971 11943 33888 67777 33554 37108	12, 13, 13, 15, 15, 15, 15, 15, 17, 17, 19, 10, 10, 11, 12, 13, 13, 14, 16, 16, 17, 17, 12, 14, 18, 16, 16, 17, 17, 12, 14, 14, 15, 16, 16, 16, 16, 17, 17, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	CarWakeUp Basefunction Powertrain Basefunction Powertrain Basefunction Chassis Basefunction Driving/Assistance Basefunction Driving/Assistance Basefunction Commonity Basefunction Commonity Greserved Powertrain Chassis GearSelector Airbag InfotainmentExtensions Instrumen(Dassefunction Spale InfotainmentDisplay Audio VirtualSideMirrors Doors Platches OptionalComfort AirSuspension ExteriorUpits Climate ThermoManagement AccessSystemSensors HighVoltage Charging Timenaster. Timer Onboard Tester DalaCollector SelectingCollumnLock	E E	S E	E E	CAB = Function Cluster Active Bits
															\$29490 \$58990 \$71790 \$4359	41824 31_ 83648 32_ 967296 33_ 934592 34_ 9869184 35_ 9738368 36_	EnergyManagement MultifunctionalSteeringWheel OnlineAccess ExternalWirelessCommunication GPS_Localization ExteriorSound Preheater HighVoltage_WirelessChargingStation				
1_RGS_HL	0x1B0000F ########	FD	24					void	9	0 64					p07194	0750 07_	gonage_viiiolessorialyiigotalioil				
M_RGS_HL	0x1B0000F ########		24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_SNI_10	17	0 10 NoSigSendType	249	valid value			286	RG	GS_HL_SNI		S		ource Node-Identifier (SNI) uniquely identifies the sender of the nessage (node address) in the vehicle.
1_RGS_HL	0x1B0000F ########	FD	24			+		void	18	2 6				+ +							nessage (node address) in the venicle.
/I_RGS_HL	0x1B0000F ########	FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_NM_State	19	0 6 NoSigSendType	0	valid value) 6 82	AM AM es	I M. A.M. out, BSM I. R.M. out, BSSM I. R.M. out, PSSM II N.O. out, R.M. II N.O. out, R.S. served		S		= State Repeat Message (< Bus-Sleep Mode) = State Repeat Message (< Prepare Bus-Sleep Mode) 4 State Normal Operation (< Repeat Message) = Normal Operation state (< Ready Sleep)
1_RGS_HL	0x1B0000F #######	FD	24			+		void	19	6 1						+					
I_RGS_HL	0x1B0000F #######		24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_UDS_CC	19	7 1 NoSigSendType	0	valid value					active		S		unction restriction due to active UDS-Communication Control
I DOC III	0x1B0000F ########	LLD.	24 200	20	40	0 NMH	IfActive	2 NIM DCC LII Welcom V(42	20		h	ralid rahva					C_active riphery_Wakeup_Cause_not_known		0		W80124 ontains the wake-up cause; if several wake-up causes are
/I_RGS_HL	UX16UUUF #######	ro	24 200	20	10	UNINI	IIActive	3 NM_RGS_HL_Wakeup_V12	20	0 8 NoSigSendType	U	valid value				KL.	s, Wakeup 15_HW It_movement_detected		3		resent in parallel, then the smallest value must be transmit
I_RGS_HL	0x1B0000F ########	FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_NM_aktiv_KL15	21	0 1 NoSigSendType	0	valid value					active 15 ON		S		Control unit has detected KL15-EIN
IM_RGS_HL	0x1B0000F ########	FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_NM_active_Diag	21	1 1 NoSigSendType	0	valid value				na	active agnosis_active		S		Diagnosis is in a NonDefaultDiagnostic-Session, e.g. xtendedDiagnostic-Session, according to VW80124.
_RGS_HL	0x1B0000F #######	FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HL_NM_active_Tmin	21	2 1 NoSigSendType	0	valid value					active Minimum tive time		S		linimum active time has not yet expired (the minimum ctive time is restarted with each wake-up event).
/_RGS_HL	0x1B0000F #######	FD	24 200	20	10	0 NMH	IfActive	3 NM_active_belt_motion_HL	21	3 1 NoSigSendType	0	not provided					cctiv		S		t KI15 ON>OFF the RGS (VR.VR.HL, HR) go into a local verrun (without bus activity). It belt movement is detected is time, the corresponding RGS wakes up the airbage out is time, the corresponding RGS wakes up the airbage or not to start the belt parking function (function master is in the irbag). The overrun is then started via the airbag control under the corresponding to the corresponding to the corresponding to the transponding to the corresponding to the corresponding to the transponding to the transponding to the transponding to the transponding to the transponding transponding to the transponding transponding to the transponding transponding to the transponding transpon
1_RGS_HL	0x1B0000F ########	FD	24					void	21	4 4											
I_RGS_HL	0x1B0000F ######## 0x1B0000F ########		24 24					void void		4 4 0 24											
W_RGS_HL W_RGS_HL W_RGS_HR	0x1B0000F ######## 0x1B0000F ########	FD FD	24 24 24																		
I_RGS_HL	0x1B0000F #######	FD FD	24 24 24 24 24 200	20	10	0 NMH	IfActive	void			0	valid value			0		ssive. WakeUp dive_WakeUp		S		
I_RGS_HL I_RGS_HR I_RGS_HR	0x1800000 ######## 0x1800000 ######## 0x1800000 ################################	FD FD	24 24 24 24 24 200	20	10	0 NMH	IfActive	void void 3 NM_RGS_HR_CBV_AWB		0 24 0 4	0	valid value							S		= Passive_WakeUp = SG did not actively wake up the network
I_RGS_HL I_RGS_HR	0x1B0000F ######## 0x1B0000F ########	FD FD FD	24 24 24 200 24 200 24 200 24 200 200 24 200 200	20	10	0 NMH	IfActive IfActive	void void		0 24 0 4	0	valid value				Act			s		he signal is to be set when the SG has actively woken up the bu = Passive_WakeUp = SG did not actively wake up the network = Active_WakeUp = SG has actively woken up the network with the signal is permanently set if the NM layout contains cluster he signal is permanently set if the NM layout contains cluster

NM_RGS_HR	0x180000f ########	FD FD	24 200	20	10	O NMH	If Active	3 NM_RGS_HR_FCAB	2	0 55 OnChangeWithRepetition		b	valid value				6 6 12 2 14 128 156 151 12 1004 1008 1192 15536 15107 1508 1508 1508 1508 1508 1508 1508 1508	ht 1. CarWakeUp 2. Basefunction, Powertrain 3. Basefunction, Chassis 5. Basefunction, Chassis 5. Basefunction, Drinighasistance 5. Basefunction, Drinighasistance 6. Basefunction, ComfortLight 17. Basefunction, ComfortLight 17. Basefunction, Comsetvity 8. Basefunction, ComfortLight 17. Basefunction, Commetricity 18. Basefunction, Commetricity 19. Greserved- 10. Powertrain 1. Chassis 2. GearSelector 3. Airbag 4. InfolammentEutensions 5. InstrumentDusplay 6. InfolammentDisplay 7. Audio 8. VirtualSideMirrors 9. Doors, Haltches 10. OptionalComfort 11. AirSuspension 2. ExteriorLights 2. Climate 4. ThermoManagement 5. AccessSystemSensors 6. InglivOlage, Charging 7. Timemaster, Timer 8. OnboardTester, DataCollector 9. SteeringColumnLock 10. EnergyManagement 1. MulfitunctionalSieeringWheel 2. OnlineAccess 3. ExternatWirelessCommunication 4. GPS Localization 5. ExteriorSound 5. Preheater	EEE	S E E	CAB = Function Cluster Active Bits
																	18719476736	7_HighVoltage_WirelessChargingStation			
NM_RGS_HR NM_RGS_HR	0x1B0000F ######## 0x1B0000F #################################		24 200	20	10	0 NMH	IfActive	void 3 NM_RGS_HR_SNI_10	9	0 64 0 10 NoSigSendTyne	1 1		valid value		+		197	PGS HP SNI			ource Node-Identifier (SNI) uniquely identifies the sender of the NM
			24 200	20	IU	Ulvivi⊓	IIACIVE		"	0 10 NoSigSendType	1 1		valid value				:01	RGS_HR_SNI		l' l	lessage (node address) in the vehicle.
NM_RGS_HR NM_RGS_HR	0x1B0000F ####### 0x1B0000F ########		24 200	20		0 NMH	IfActive	void 3 NM_RGS_HR_NM_State	18	2 6 0 6 NoSigSendType			valid value					-3			= State Repeat Message (< Bus-Sleep Mode)
																	6	MM_RM_out_BSM MM_RM_out_PBSM MM_NO_out_RM MM_NO_out_RS eserved eserved			= State Repeat Message (<- Prepare Bus-Sleep Mode) 4 State Normal Operation (<- Repeat Message) = Normal Operation state (<- Ready Sleep)
NM_RGS_HR	0x1B0000F #######		24					void	19	6 1											
NM_RGS_HR	0x1B0000F #######	ŧ FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HR_UDS_CC	19	7 1 NoSigSendType		0	valid value					nactive CC_active		S	unction restriction due to active UDS-Communication Control, see W80124
NM_RGS_HR	0x1B0000F ########	₽ FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HR_Wakeup_V12	20	0 8 NoSigSendType		0	valid value					Periphery_Wakeup_Cause_not_known Bus_Wakeup KL15_HW Belt_movement_detected		S	ontains the wake-up cause; if several wake-up causes are resent in parallel, then the smallest value must be transmitted
NM_RGS_HR	0x1B0000F #######	# FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HR_NM_aktiv_KL15	21	0 1 NoSigSendType		0	valid value					nactive		S	ontrol unit has detected KL15-EIN
NM_RGS_HR	0x1B0000F ########	t ED	24 200	20	10	0 NMH	IfActive	3 NM PGS UP NM active Disc	21		+ + +		unlid value		+			(L15_ON nactive			Nagnosis is in a NonDefaultDiagnostic-Session, e.g.
NW_COZ/IK	OXTEGOOOD HHHHHHHH	100	24 200	20	10	OLIMINICI	IIACIVE	3 NM_RGS_HR_NM_active_Diag	21	1 NoSigSendType			valid value					Diagnosis_active			xtendedDiagnostic-Session, according to VW80124.
NM_RGS_HR	0x1B0000F ########	# FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_HR_NM_active_Tmin	21	2 1 NoSigSendType		0	valid value					nactive Minimum active time		S	linimum active time has not yet expired (the minimum ctive time is restarted with each wake-up event).
NM_RGS_HR	0x1B0000F #########	FD FD	24 200	20	10	0 NMH	IfActive	3 NM_active_belt_movement_HR	21	3 1 NoSigSendType		0	not provided	1				naciv Active		S	It KI15 ON>OFF the RGS (VR,VR,HL, HR) go into a local verrun (without bus activity). If a bett movement is detected within this time, the corresponding RGS wakes up the airbag ontrol unit to start the belt parking function (function master is in the airbag). The overrun is then started via the airbag control nit.
NM_RGS_HR	0x1B0000F #######	# FD	24				+ +	void	21	4 4	+ + +				+ +					+++	
NM_RGS_HR	0x1B0000F #######		24					void	22	0 24											
NM_RGS_VL	0x1B00005 ########		24			0 10 7	If A at a	void	1	0 4								Danaka Makal In			he cinnel is to be not when the SO has actively walker we fire
NM_RGS_VL	0x1B00005 #########	E IFU	24 200	20	10	0 NMH	IfActive	3 NM_RGS_VL_CBV_AWB	1	4 1 NoSigSendType			valid value					Passive_WakeUp Active_WakeUp		S	he signal is to be set when the SG has actively woken up the bus = Passive_WakeUp = SG did not actively wake up the network = Active_WakeUp = SG has actively woken up the network
NM_RGS_VL	0x1B00005 #######		24					void	1	5 1											
NM_RGS_VL	0x1B00005 ########	# FD	24 200	20	10	0 NMH	IfActive	3 NM_RGS_VL_CBV_CRI	1	6 1 NoSigSendType		1	valid value					NM_without_cluster_requirements		S	he signal is permanently set if the NM layout contains cluster
																		NM_with_cluster_requirements			equests

NM_RGS_VL	0x1B00005 #####	#### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_FCAB	2	0 56 OnCl	hangeWithRepetition		0	valid value				nit)1_CarWakeUp	E E	E E S	E CAB = Function Cluster Active Bits
																			2_Basefunction_Powertrain			
																			3_Basefunction_Chassis 4_Basefunction_DrivingAssistance			
																		16	5_Basefunction_Infotainment			
																		12	16_Basefunction_ComfortLight			
																		128	7_Basefunction_CrossSection 8_Basefunction_Connectivity			
																		256	19_ <reserved></reserved>			
																		512	0_Powertrain			
																		024 2048	1_Chassis 2_GearSelector			
																		1096	13_Airbag			
																		192	4_InfotainmentExtensions			
																		6384 82768	5_InstrumentClusterDisplay 6_InfotainmentDisplay			
																		55536	17_Audio			
																		31072	8_VirtualSideMirrors			
																		262144 524288	9_Doors_Hatches 0_OptionalComfort			
																		048576	21_AirSuspension			
																		2097152	2_ExteriorLights			
																		1194304 3388608	23_Climate 24_ThermoManagement			
																		6777216	25_AccessSystemSensors			
																		33554432	6_HighVoltage_Charging			
																		7108864 34217728	7_Timemaster_Timer 8_OnboardTester_DataCollector			
																		68435456	9_SteeringColumnLock			
																		36870912 1073741824	80_EnergyManagement 81_MultifunctionalSteeringWheel			
																		2147483648	81_MultifunctionalSteeringVheel 82_OnlineAccess			
																		294967296	3_ExternalWirelessCommunication			
																		3589934592 17179869184	34_GPS_Localization 35_ExteriorSound			
																		34359738368	36 Preheater			
																		8719476736	37_HighVoltage_WirelessChargingStation			
NM_RGS_VL	0x1B00005 #####		24						void	9	0 64											
NM_RGS_VL	0x1B00005 #####	#### FD	24	200	20	10 0 N	I MH	IfActive	3 NM_RGS_VL_SNI_10	17	0 10 NoSi	gSendType		94	valid value			12	RGS_VL_SNI		S	ource Node-Identifier (SNI) uniquely identifies the sender of the NM nessage (node address) in the vehicle.
NM_RGS_VL	0x1B00005 #####	#### FD	24						void	18	2 6											
NM_RGS_VL	0x1B00005 #####	#### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_NM_State	19	0 6 NoSi	gSendType		0	valid value				nit		S	= State Repeat Message (< Bus-Sleep Mode)
																			NM_RM_out_BSM NM_RM_out_PBSM			= State Repeat Message (< Prepare Bus-Sleep Mode) 4 State Normal Operation (< Repeat Message)
																			MM_NO_out_RM			= Normal Operation state (< Ready Sleep)
																			NM_NO_out_RS			
																		10	eserved eserved			
																		Ĩ.	555,755			
NM_RGS_VL	0x1B00005 #####	### FD	24						void	19	6 1											
NM_RGS_VL	0x1B00005 #####	### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_UDS_CC	19	7 1 NoSi	gSendType		0	valid value				nactive		S	unction restriction due to active UDS-Communication Control, see
																			C_active			W80124
NM_RGS_VL	0x1B00005 ####	#### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_Wakeup_V12	20	0 8 NoSi	gSendType		0	valid value				Periphery_Wakeup_Cause_not_known Bus_Wakeup		S	ontains the wake-up cause; if several wake-up causes are resent in parallel, then the smallest value must be transmitted
																			KL15_HW			resent in parallel, then the smallest value must be transmitted
																			Belt_movement_detected			
NM_RGS_VL	0x1B00005 #####	### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_NM_aktiv_KL15	21	0 1 NoSi	gSendType		0	valid value				nactive		s	ontrol unit has detected KL15-EIN
																			(L15_ON			
NM_RGS_VL	0x1B00005 ####	#### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VL_NM_active_Diag	21	1 1 NoSi	gSendType		0	valid value			}	nactive		S	Diagnosis is in a NonDefaultDiagnostic-Session, e.g.
																			Diagnosis_active			xtendedDiagnostic-Session, according to VW80124.
NM_RGS_VL	0x1B00005 ####	#### FD	24	200	20	10 0 N	MH.	IfActive	3 NM_RGS_VL_NM_active_Tmin	21	2 1 NoSi	gSendType		h	valid value				nactive Minimum		9	linimum active time has not yet expired (the minimum
TWI_NOO_VL	OXIDOUUG #####		24	2007	-0	.	word I		O INVIDICACIONE INIIII	- - 21	2 1 114051	goou i ypo		ľ	valiu value				active time			ctive time is restarted with each wake-up event).
NM_RGS_VL	0x1B00005 ####	#### FD	24	200	20	10 0 N	MH	IfActive	3 NM_active_belt_movement_VL	. 21	3 1 NoSi	gSendType		0	not provided				nactiv		s	t KI15 ON->OFF the RGS (VR,VR,HL, HR) go into a local
																			Activo			verrun (without bus activity). If a belt movement is detected
																			Cuve			rithin this time, the corresponding RGS wakes up the airbag ontrol unit to start the belt parking function (function master is in
																						ne airbag). The overrun is then started via the airbag control
																						nit.
NM_RGS_VL	0x1B00005 #####	#### FD	24						void	21	4 4											
NM_RGS_VL	0x1B00005 #####	#### FD	24						void	22	0 24											
NM_RGS_VR	0x1B00005 ####	### FD	24						void	1	0 4											
NM_RGS_VR	0x1B00005 ####	### FD	24	200	20	10 0 N	MH	IfActive	3 NM_RGS_VR_CBV_AWB	1	4 1 NoSi	gSendType		0	valid value				Passive_WakeUp			S he signal is to be set when the SG has actively woken up the bus
				- [Active_WakeUp			= Passive_WakeUp = SG did not actively wake up the network
				1																		= Active_WakeUp = SG has actively woken up the network
				1																		
				1																		
NM_RGS_VR	0x1B00005 ####	#### FD	24	+	_	+		+ +	void	1	5 1		++	+	++-	+ +			+		+	
NM_RGS_VR	0x1B00005 ####		24	200	20	10 01	MH	IfActive	3 NM RGS VR CBV CRI	1	6 1 NAC	gSendType	+	-	valid value	+ +			VM_without_cluster_requirements			S he signal is permanently set if the NM layout contains cluster
	5x.500003 #####		"]		-	~ J			51	1 1	1 11001	g==,po		ľ	Valid Value				VM_with_cluster_requirements			equests
NM_RGS_VR	0x1B00005 ####	#### FD	24			1 1			void	1	7 1											
																		 	<u> </u>			_

					<u> </u>				 L J.		
NM_RGS_VR	0x1800005 ######## PD	24 200 20 10	0 NMH IfActive		58 OnChangeWithRepetition		valid value		11 CarWakeUp 2		CAB = Function Cluster Active Bits
NM_RGS_VR NM_RGS_VR	0x1B00005 ####### FD 0x1B00005 ####### FD	24 200 20 10	0 NMH IfActive		64 10 NoSigSendType	95	valid value		3 RGS_VR_SNI	s	ource Node-Identifier (SNI) uniquely identifies the sender of the NM
NM RGS VR	0x1B00005 ####### FD	24		void 18 2	6						hessage (node address) in the vehicle.
NM_RGS_VR	0x1800005 ######## FD	24 200 20 10	0 NMH IfActive	3 NM_RGS_VR_NM_State 19 0	6 NoSigSendType	0	valid value		nit MM_RM_out_BSM MM_RM_out_PSSM MM_NO_out_RM MM_NO_out_RM 6 eserved 2 eserved	S	= State Repeat Message (<- Bus-Sleep Mode) = State Repeat Message (<- Prepare Bus-Sleep Mode) 4 State Normal Operation (<- Repeat Message) = Normal Operation state (<- Ready Sleep)
NM_RGS_VR NM_RGS_VR	0x1B00005 ####### FD 0x1B00005 ####### FD	24 200 20 10	0 NMH IfActive	void 19 6 3 NM_RGS_VR_UDS_CC 19 7	1 NoSigSendType	0	valid value) nactive	s	unction restriction due to active UDS-Communication Control, see
NM_RGS_VR	0x1B00005 ####### FD	24 200 20 10	0 NMH IfActive	3 NM_RGS_VR_Wakeup_V12 20 0	8 NoSigSendType		valid value		C_active Periphery_Wakeup_Cause_not_known	s	W80124 pntains the wake-up cause; if several wake-up causes are
									Bus, Wakeup Q. 15, HW Bett_movement_detected		resent in parallel, then the smallest value must be transmitted
NM_RGS_VR	0x1B00005 ######## FD	24 200 20 10	0 NMH IfActive	3 NM_RGS_VR_NM_aktiv_KL15 21 0	1 NoSigSendType	0	valid value		nactive (L15_ON	s	ontrol unit has detected KL15-EIN
NM_RGS_VR	0x1B00005 ####### FD	24 200 20 10	0 NMH IfActive	3 NM_RGS_VR_NM_active_Diag 21 1	1 NoSigSendType	0	valid value) nactive Diagnosis_active	S	liagnosis is in a NonDefaultDiagnostic-Session, e.g. xtendedDiagnostic-Session, according to VW80124.
NM_RGS_VR	0x1B00005 ####### FD	24 200 20 10	0 NMH IfActive	3 NM_RGS_VR_NM_active_Tmin 21 2	1 NoSigSendType	0	valid value		nactive Minimum	s	linimum active time has not yet expired (the minimum ctive time is restarted with each wake-up event).
NM_RGS_VR	0x1800005 ####### FD 0x1800005 ######## FD	24 200 20 10	0 NMH IfActive	3 NM_active_belt_motion_VR	1 NoSigSendType	0	not provided		nactiv Active	S	It KI15 ON>OFF the RGS (VRVR.HL, HR) go into a local verrun (without bus activity). If a belt movement is detected thin this time, the corresponding RGS wakes up the airbag ontrol unit to start the belt parking function (function master is in the airbag). The overrun is then started via the airbag control nit.
NM_RGS_VR	0x1B00005 ####### FD	24		void 22 0	24						
NVEM_12	0x237 567 FD	12 100	Application Cyclic	NVEM_12_CRC 1 0	8 Cyclic	0	valid value	D 255 D 255			or MLB: alculation see "Communication protection for FlexRay and CAN" peofication sheet from M08 and MLBevo: or calculation, see "End-to-end communication protection" peofication sheet or end values see accompanying document "S-PDU identification equences Lennungsfolge: xid (0x37,0x91,0x7d,0x5f,0x4d,0x4s,0x42,0x18,0x66,0x46,0 18,0x6d,0x6f,0x4d
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	NVEM_12_BZ 2 0	4 Cyclic	0	valid value	0 15 015			bit message counter, incremented with each transmit message
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	NVEM_vehicle network 2 4 diagnostics	2 Cyclic	0	valid value 200 ms		o_error varning_1 karning_2 karning_3		an on-board network fault is detected by the NVEM in the LV etwork, this should result in a multi-level display.
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	NVEM_Last_Anf 2 6	2 Cyclic	0	valid value		o requirement consumer_requirement_level_1 onsumer_requirement_level_2 consumer_requirement_level_3		he NVEM requests a load pulse from the vehicle for battery lagnostics, which is generated by controlled consumer switching e.g. activation of rear window heating)
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	BEM_HL_Regulation_Status 3 0	3 Cyclic	0	valid value		L_Control_inactive_(before_and_during_engine_ tart) L_Control_stage_1 L_Control_stage_2 L_Control_stage_3 Consumer mergency shuddown_(VNA) L_Control_stage_5 Default		tatus control heating power
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	NVEM_shutdown stage 3 3	2 Cyclic	0	valid value		evel_0_no_restriction Level_1 zvel_2 zvel_3	S* E E E	hutdown level from quiescent power management leasures of the receiver are defined in QLAH uiescent power management
NVEM_12	0x237 567 FD	12 100	0 Application Cyclic	NVEM_NV_BAT_ZellStatus_Ind 3 5	4 Cyclic	0	valid value		Dell_Nr_1		fultiplex signal for cell number of low voltage battery.
									2ell, Nr. 2 2ell, Nr. 3 2ell, Nr. 4 2ell, Nr. 5 2ell, Nr. 5 2ell, Nr. 6 2ell, Nr. 7 2ell, Nr. 8 2ell, Nr. 9 2ell, Nr. 10 2ell, Nr. 10 2ell, Nr. 11 11 2ell, Nr. 12 2 2ell, Nr. 13 3		

NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_NV_BAT_ZellStatus_Ty	4 1	3 Cyclic		0		valid value							nit /oltage				lultiplex signal for cell status of low voltage battery.
																					emperature				
																					/oltage limit 60F				
																					SoH_C eserved				
																				1	eserved				
NVEM_12	0x237	567 FI	ED 1'	2 100		0 Application	Cyclic	NIVEM release OTA	4 4	2 Cyclic		6		valid value							nit No_enable		4	+	onfirmation or rejection of a specific, requested online update by
INVEIVI_12	UX231	30/ FL	FD 14	2 100		0 Application	Cyclic	NVEM_release_OTA	4 4	2 Cyclic		ľ		valid value							Enable				inergy Management.
												1									La disabat Change and all disabat		44	+	
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	BEM_generator diagnostics	4 6	2 Cyclic		0		valid value							No display Charge control display in (hold-off)				control generator warning light in station wagon
																				1	ed battery symbol and text (generator defective) Hybrid_DCDC_converter_defective				
																				ľ	lyblid_DCDC_converter_derective				
NVEM_12	0x237	567 FI	FD 13	2 100		0 Application	Cyclic	NVEM_DC_uSoll_NV	5 0	8 Cyclic		116	255	valid value	200 ms	0 216	10.6 16	Jnit_Volt	10.6	0.025	Frror			+	et voltage 12V side of DC converter, fine resolution
							·																4		
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_DC_iSoll_NV	6 0	8 Cyclic		254	255	valid value		b 253	253 0	Unit_Amper	253	254	nit error				arget discharge current 12V side of DCDC converter
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	BEM_Batt_Ab	7 0	1 Cyclic		0		valid value							connected			H	attery connection control: 0x0:
																					not_connected				attery on board network x1: Battery off detected
NVEM_12	0x237	567 FI	ED 1'	2 100		0 Application	Cyclic	BEM_Red_Indoor_blower	7 1	2 Cyclic		h		valid value			+				no reduction reduction level			+	eduction indoor fan
INVENTIZ	0.257	30/11	12	2 100		Ортрисации	Cyclic	DEM_Red_IIIdool_blower	- ' '	2 Cyclic		ľ		valiu value											leduction indoor fair
																					Reduction level 2 Reduction stage 2 and compressor				
																					hutdown				
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_MV_DC_uMinLV	7 3	7 Cyclic		126	127	valid value	200 ms	0 125	3.5 16	Jnit_Volt	3.5).1 26	nit				ettling limit: minimum permissible on-board voltage in step-up
																				27	error		4	₩'	node from the 12V on-board network to the 48V network
NVEM_12	0x237	567 FE	FD 12	2 100		0 Application	Cyclic	NVEM_MV_DC_uSollLV	8 2	7 Cyclic		126	127	valid value	200 ms	D 108	10.6 16	Jnit_Volt	10.6).05 126 127	nit				etpoint for 12V on-board voltage in step-down mode from 8V mains to 12V on-board mains
NVEM_12	0x237	567 FE	FD 12	2 100		0 Application	Cyclic	BEM_STH_Inhibition to switch	9 1	1 Cyclic		0		valid value							ull availability auxiliary heating/ventilation				testriction of parking heater/ventilation by BEM: If the BEM sets
								on													auxiliary heating/ventilation cannot be activated				ne bit, then the parking heater must no longer switch on. The parking heater does not have to switch off, however, but may
																									ontinue to burn).
																									nitialization value from EEprom)
																								igspace	
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	BEM_STH_Target time	9 2	4 Cyclic		14	15	valid value		D 12	b 60	Unit_Minut)	5	int error				laximum possible time for the parking heater operation in order no endanger the startability
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_Consumer_Information	9 6	3 Cyclic		6	7	valid value							No_display MMI_prewarning				Vith this signal, the NVM triggers an indication of an imminent or
																					Display_Consumer shutdown eserved				ompleted consumer disconnection.
																					eserved				
																					eserved nit error				
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM3_Absch_SCR	10 1	1 Cyclic		0		valid value	200 ms						nit shutdown_SCR		+	H	hutdown of the SCR heater by the NVEM in the event of critical
																							4	+	nergy conditions.
NVEM_12	0x237			2 100			0.11	void	10 2	2											a display NIV batton, iO			+	
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_Onboard_Network_Infor	10 4	4 Cyclic		14	15	valid value							no_display NV_battery_iO VV_charge_battery				nformation displays to the 12V - on-board network
																					VV_check_battery VV_low_battery				
																				[V_down_battery				
																					V_service V_Energy_system_implausible				
																					Charge control light Senerator_defective				
																				[eserved				
																				11	eserved eserved				
																				12	nit error				
																				4					
																				15					
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_DC_uMin_NV	11 0	8 Cyclic		122		not provided	l	0 255	0 25.5	Jnit_Volt		0.1				H	linimum voltage of the DCDC converter in step-up mode to 12V
																							444	ш	ide
NVEM_12	0x237	567 FI	FD 12	2 100		0 Application	Cyclic	NVEM_MV_DC_iSoll_NV	12 0	8 Cyclic		254	255	valid value	200 ms	b 253	253 0	Unit_Amper	253	254	nit error				etpoint current specification NVEM to MV - DCDC converter
OBDC_SSN_eCS_Req_FI	FD 0x1C4072)720 ###### FE	FD 64	4		0 TP-ISO	NoMsgSendType	OBDC_SSN_eCS_Req_FD_Dat	1 0	512 OnChange				valid value								S* E			tequest FID to NA communication between
											\perp	1												$\sqcup \sqcup$	InboardDiagnoseClient and DK2F Sub-System
OBDC_SSN_eCS_Resp_f	_FD 0x1C4272	2720 ####### FE	FD 64	4		0 TP-ISO	NoMsgSendType	OBDC_SSN_eCS_Resp_FD_D	1 0	512 OnChange				valid value								E* S			tesponse FID to NA communication between inboardDiagnosticClient and DK2F Sub-System
OBDC_SSN_RGS_HL_Re			FD 8	8		0 TP-ISO	NoMsgSendType	OBDC_SSN_RGS_HL_Req_Da		64 OnChange				valid value								S*	E		InBoard Tester Diagnostic Request RGS_HL
OBDC_SSN_RGS_HL_Re	Req 0x17FC71	71 ###### F0						OBDC_SSN_RGS_HL_Resp_D		64 OnChange]]		1				1			_	S		InBoard Tester Diagnostic Response RGS_HL
0000_0011_1100_112_110			FD 8	8		0 TP-ISO	NoMsgSendType							valid value									E		nBoard Tester Diagnostic Request RGS_HR
OBDC_SSN_RGS_HR_R	Resp 0x17FE71 Req 0x17FC71	711 ###### F0 71 ###### F0	FD 8	8		0 TP-ISO	NoMsgSendType	OBDC_SSN_RGS_HR_Req_Da	1 0	64 OnChange				valid value valid value								S*			
OBDC_SSN_RGS_HR_RGOBDC_SSN_RGS_HR_RG	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FE71	711 ###### FC 71 ###### FC 711 ####### FC	FD 8	8 8		0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D	1 0	64 OnChange 64 OnChange				valid value valid value valid value								S* E*	S		InBoard Tester Diagnostic Response RGS_HR
OBDC_SSN_RGS_HR_R0 OBDC_SSN_RGS_HR_R0 OBDC_SSN_RGS_VL_R0	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FE71 Req 0x17FC70	711 ###### FE 711 ###### FE 711 ###### FE 710 ####### FE	FD 8	8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da	1 0 1 0 1 0	64 OnChange 64 OnChange 64 OnChange				valid value valid value valid value valid value								S* E* S*	S	E	nBoard Tester Diagnostic Request RGS_VL
OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FE71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FE70	711 ###### FE 711 ###### FE 711 ###### FE 702 ###### FE	FD 8 FD 8 FD 8 FD 8 FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D	1 0 1 0 1 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange				valid value valid value valid value valid value valid value valid value								E* S* E*	S	E	InBoard Tester Diagnostic Request RGS_VL InBoard Tester Diagnostic Response RGS_VL
OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_Ri	Resp 0x17FE71 Resp 0x17FE71 Resp 0x17FE71 Resp 0x17FE70 Resp 0x17FE70 Resp 0x17FE70	711 ###### FE 711 ###### FE 711 ###### FE 700 ####### FE 700 ####### FE 700 ####### FE	FD 8	8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da	1 0 1 0 1 0 1 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange				valid value								S* E* S* E* S*	S	E	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR
OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri	Resp 0x17FE71 Resp 0x17FC71 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70	711 ###### FE 711 ###### FE 711 ###### FE 700 ####### FE 700 ####### FE 700 ####### FE	FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D	1 0 1 0 1 0 1 0 1 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange				valid value valid value valid value valid value valid value valid value								E* S* E*	S	E	InBoard Tester Diagnostic Request RGS_VL InBoard Tester Diagnostic Response RGS_VL
OBDC_SSN_RGS_HR_RC OBDC_SSN_RGS_HR_RC OBDC_SSN_RGS_VL_RC OBDC_SSN_RGS_VL_RC OBDC_SSN_RGS_VR_RC OBDC_SSN_RGS_VR_RC OBDC_SSN_RGS_VR_RC ORU_01	Resp 0x17FE71 Resp 0x17FC71 Resp 0x17FE71 Req 0x17FC70 Resp 0x17FE70 Resp 0x17FE70 0x1A5555	711 ###### FE 711 ###### FE 711 ###### FE 711 ###### FE 712 ###### FE 712 ####### FE 712 ####### FE 713 ####### FE	FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange				valid value								E* S* E* E*	S	E	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR
OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_VL_Re: OBDC_SSN_RGS_VL_Re: OBDC_SSN_RGS_VR_Re: OBDC_SSN_RGS_VR_Re: ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Req 0x17FC70 0x1A5555 0x1A5555	711 ###### FE 711 ###### FE 711 ###### FE 710 ###### FE 710 ###### FE 710 ###### FE 710 ###### FE 710 ###### FE 711 ###### FE	FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D void	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange		0		valid value							o_display	E* S* E* E*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensu
OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_Re OBDC_SSN_RGS_VR_Re OBDC_SSN_RGS_VR_Re ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Req 0x17FC70 0x1A5555 0x1A5555	F711 ###### F1777	FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D void void	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 65 OnChange		0		valid value							to_display to_display Jodate_incomplete_Prior1 Jodate_failed_Prior1 reserved	E* S* E* E*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensur
OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_HR_R: OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_Re OBDC_SSN_RGS_VR_Re OBDC_SSN_RGS_VR_Re ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Req 0x17FC70 0x1A5555 0x1A5555	F711 ###### F1777	FD 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D void void	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 65 OnChange		0		valid value							Jpdate_incomplete_Prio1	E* S* E* E*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL inBoard Tester Diagnostic Response RGS_VL inBoard Tester Diagnostic Request RGS_VR inBoard Tester Diagnostic Response RGS_VR mailfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user
OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_VL_RE OBDC_SSN_RGS_VR_RI OBDC_SSN_RI	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A5555 0x1A5555	F711 ###### F1777	FD	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D void void	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 65 OnChange		0		valid value							Jpdate_incomplete_Prio1	E* S* E* E*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL inBoard Tester Diagnostic Response RGS_VL inBoard Tester Diagnostic Request RGS_VR inBoard Tester Diagnostic Response RGS_VR mailfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user
OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI ORU_01 ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	E711 ###### FE E71 ###### FE E711 ###### FE E702 ###### FE E702 ###### FE E702 ###### FE E703 ###### FE ####### FE ####### FE ####### FE ####### FE	FD	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO 0 TP-ISO	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Req_Da OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Req_Da OBDC_SSN_RGS_VR_Resp_D viol void ORU_Warning	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 65 OnChange		0		valid value							Jpdate_incomplete_Prio1 lpdate_failed_Prio1 reserved	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL inBoard Tester Diagnostic Response RGS_VL inBoard Tester Diagnostic Request RGS_VR inBoard Tester Diagnostic Response RGS_VR mailfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user
OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_HR_Ri OBDC_SSN_RGS_VL_Ri OBDC_SSN_RGS_VL_Ri OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri ORU_01 ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	F711 ####### FE F711 ####### FE F70 ####### FE F702 ####### FE F702 ####### FE F703 ####### FE F704 ####### FE F70554 ####### FE F70554 ####### FE	FD	8	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange		0		valid value							Jodate incomplete Priori Jodate failed_Priori reserved DLE PENDING PREPARATION	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensur at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_VL_Re(OBDC_SSN_RGS_VL_Re(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBU_01) ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	F711 ####### FE F711 ####### FE F70 ####### FE F702 ####### FE F702 ####### FE F703 ####### FE F704 ####### FE F70554 ####### FE F70554 ####### FE	FD	8	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange		0		valid value							Jodate incomplete Priori Jodate failed. Priori reserved DLE PENDING PREPARATION PREPARATION_HV	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensur at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	F711 ####### FE F711 ####### FE F70 ####### FE F702 ####### FE F702 ####### FE F703 ####### FE F704 ####### FE F70554 ####### FE F70554 ####### FE	FD	8	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange		0		valid value							Jodate incomplete Priori Jpdate failed Prior reserved DLE ENDING PREPARATION PREPARATION I-IV RUNNING RUNNING I-IV	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensur at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI ORU_01 ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	F711 ####### FE F711 ####### FE F70 ####### FE F702 ####### FE F702 ####### FE F703 ####### FE F704 ####### FE F70554 ####### FE F70554 ####### FE	FD	8	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange		0		valid value							Jodate_incomplete_Prio1 Jodate_failed_Prio1 reserved DLE ENDING PEEPARATION PREPARATION_HV RUNNING_HV ENDINING_NOTREADY	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_HR_RI OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI OBDC_SSN_RGS_VR_RI ORU_01 ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A55555 0x1A55555	F711 ####### FE F711 ####### FE F70 ####### FE F702 ####### FE F702 ####### FE F703 ####### FE F704 ####### FE F70554 ####### FE F70554 ####### FE	FD	8	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming	1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 8 0 0	64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange		0		valid value							Jodate incomplete Priori Jpdate failed Prior reserved DLE ENDING PREPARATION PREPARATION I-IV RUNNING RUNNING I-IV	E* S* E* O*	S	E S E S	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_VL_Re(OBDC_SSN_RGS_VL_Re(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_OSN_RGS_VR_R(OBDC_OSN_RGS_R(OBST_OSN_RGS_R(OSN_RGS_OSN_RGS_R(OSN_RGS_R(O	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FE71 Resp 0x17FE71 Resp 0x17FE70 Resp 0x17FE70 0x1A5555 0x1A5555 0x1A55555 0x1A55555	271	FD	8 500	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming void ORU_Status	1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 67 OnChange 68 OnChange 70 OnChange 71 OnChange 72 OnChange 73 OnChange		0		valid value							Jodate_incomplete_Prio1 Jodate_failed_Prio1 reserved DLE ENDING PEEPARATION PREPARATION_HV RUNNING_HV ENDINING_NOTREADY	E* S' E* S'	E E	E	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensur at no functional restrictions occur before the customer, the user be vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBU_01 ORU_01 ORU_01 ORU_01 ORU_01 ORU_01 RadioFune_01 RadioFune_01	Resp 0x17FE71 Req 0x17FC71 Req 0x17FC71 Req 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A5555 0x1A5555 0x1A5555 0x1A5555 0x1A5555	171 1848 1	FD	8 500	100	0 TP-ISO 0 Application 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warning void ORU_Status	1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange 75 OnChange 76 OnChange		0		valid value							Jodate_Incomplete_Prio1 Jodate_failed_Prio1 reserved DLE ENDING PREPARATION PREPARATION INV RUNNING RUNNING RUNNING FAILURE_POWERTRAIN_DISABLED	E* S' E* S'	S	E	inBoard Tester Diagnostic Request RGS_VL inBoard Tester Diagnostic Response RGS_VL inBoard Tester Diagnostic Response RGS_VR inBoard Tester Diagnostic Response RGS_VR inBoard Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensure and no functional restrictions occur before the customer, the user he vehicle must be warned accordingly. istribution of the internal ORU state
OBDC_SSN_RGS_HR Ri OBDC_SSN_RGS_HR, OBDC_SSN_RGS_HR, OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri OBDC_SSN_RGS_VR_Ri ORU_01 ORU_01 ORU_01	Resp 0x17FE71 Req 0x17FC71 Req 0x17FC71 Req 0x17FC71 Req 0x17FC70 Resp 0x17FC70 Resp 0x17FC70 0x1A5555 0x1A5555 0x1A5555 0x1A5555 0x1A5555	271	FD	8 500	100	0 TP-ISO 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warming void ORU_Status	1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 67 OnChange 68 OnChange 70 OnChange 71 OnChange 72 OnChange 73 OnChange		0		valid value							Jodate_incomplete_Prio1 Jodate_failed_Prio1 reserved DLE ENDING PEEPARATION PREPARATION_HV RUNNING_HV ENDINING_NOTREADY	E* S' E* S'	E E	E	nBoard Tester Diagnostic Request RGS_VL nBoard Tester Diagnostic Response RGS_VL nBoard Tester Diagnostic Request RGS_VR nBoard Tester Diagnostic Request RGS_VR malford Tester Diagnostic Response RGS_VR malfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user he vehicle must be warned accordingly.
OBDC_SSN_RGS_HR_R(OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VL_Re OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBDC_SSN_RGS_VR_R(OBU_01 ORU_01 ORU_01 ORU_01 ORU_01 ORU_01 RadioFune_01 RadioFune_01	Resp 0x17FE71 Req 0x17FC71 Resp 0x17FE71 Resp 0x17FE71 Resp 0x17FE70 Resp 0x17FE70 0x1A5555 0x1A5555 0x1A5555 0x1A5555 0x1A5555 0x1A5555 0x1A5555	171 1848 1	FD	8 500	100	0 TP-ISO 0 Application 0 Application	NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType NoMsgSendType Cyclic	OBDC_SSN_RGS_HR_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VL_Resp_D OBDC_SSN_RGS_VR_Resp_D void void ORU_Warning void ORU_Status	1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0	64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 64 OnChange 65 OnChange 75 OnChange 75 OnChange 75 OnChange 75 OnChange 76 OnChange		0		valid value							Jodate incomplete Priori Jodate failed Prior reserved DLE PENDING PREPARATION PREPARATION PREPARATION HV RUNNING RUNNING HV PENDING NOTREADY FAILURE POWERTRAIN DISABLED Wireless Charger off	E* S' E* S'	E E	E	inBoard Tester Diagnostic Request RGS_VL inBoard Tester Diagnostic Response RGS_VL inBoard Tester Diagnostic Response RGS_VR inBoard Tester Diagnostic Request RGS_VR inBoard Tester Diagnostic Response RGS_VR mailfunctions of the Online Remote Update function do not ensure at no functional restrictions occur before the customer, the user one vehicle must be warned accordingly. Instribution of the internal ORU state

RadioFunc_01	0x16A9552 #	####### FC	12	1000		50	0 Applicati	on Cyclic	RA_Frequency_unit		2 6	2 OnChange		0		valid value							_kHz 00_kHz	S* E	E E E	actor for RA_Frequency t_AM: Factor 0 = 1kHz therwise Factor 1 =
RadioFunc_01	0x16A9552	####### FC	12	1000		50	0 Applicati	on Cyclic	RA_Frequency		3 0	14 OnChange		0		valid value		b	16383 D.	. 16383	Jnit_None)			S* E	E E E	00kHz ransmission of the set transmission frequency AM or FM, this is nultiplied by RA_Frequency_unit. 1 DAB or Hybrid(Dnline mode, the current FM alternative equency or, in for available, the last station frequency heard is ansmitted (AM xor FM). he CAN bus signal receivers defune their clock- socilator frequencies, so that the set radio transmission equency is not disturbed. nly static frequencies are transmitted on the bus.
RadioFunc_01	0x16A9552 #					50	0 Applicati	on Cyclic	RA_AM_Tuning			1 OnChange		0		valid value							requency_boked MM_tuning			he signal indicates an active AM search run. During the search un, the frequency = 0 is transmitted. = frequency locked >> interference source avoids the current equency = AM tuning in progress => switch off interference source or witch PWM signal to DC
RadioFunc_01 RadioFunc_01	0x16A9552 #	####### FC							void		4 7 5 0															
RGS_Anf_01	0x12DD55	####### FC	16						void		1 0															
RGS_Anf_01 RGS_Anf_01	0x12DD55 ş	####### FC	16	500	10	10	0 Applicati		void RGS_VL_Requireme			5 OnChangeWithRe		31			200 ms					0 1 2 3 3 14 4 5 6 6 7 7 8 8 9 9 9 9 9 9 1 1 2 2 2 3 3 4 4 2 5 5 6 7 7 8 8 9 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	o_action ghtering_1 ghtering_2 ghtering_2 ghtering_3 ghtering_4 ghtering_6 ghtering_6 ghtering_6 ghtering_7 ghtering_7 ghtering_1 ghtering_2 ghtering_3 ghtering_4 ghtering_4 ghtering_6 gh	S	E	control of reversible belt tensioner_VL
RGS_Anf_01		####### FC			10	10		on Cyclic	RGS_VR_Requireme			5 OnChangeWithRe		31			200 ms					10 11 12 13 14 15 16 16 17 18 18 19 19 19 12 20 21 21 22 23 34 25 26 27 27 28 29 29 20 21 21 21 21 21 21 21 21 21 21 21 21 21	o_action ghtening_1 ghtening_2 ghtening_3 ghtening_4 ghtening_5 ghtening_6 ghtening_6 ghtening_6 ghtening_7 ghtening_7 ghtening_9 ghtening_10 ghtening_11 ghtening_12 ghtening_13 ghtening_15 Fightening_15 Fightening_16 Fightening_16 Fightening_17 Fightening_18 Fightening_19 Fightening_19 Fightening_19 Fightening_20 Fightening_20 Fightening_20 Fightening_21 Fightening_20 Fightening_20 Fightening_20 Fightening_20 Fightening_20 Fightening_20 Fightening_20 Fightening_21 Fightening_20 Fightening_21 Fightening_20 Fighteni	S	E	ontrol of reversible belt tensioner_VR
RGS_Anf_01		####### FC	16	500	10	10	0 Applicati	on Cyclic	RGS_HL_Requireme	ent	3 6	5 OnChangeWithRe	etition	31 Gene	erated by		200 ms					10 11 12 13 14 15 16 17 18 19 12 12 12 13 14 15 16 17 18 19 15 16 17 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	lo_action ghtering_1 ghtering_2 ghtering_2 ghtering_3 qhtering_3 qhtering_5 ghtering_5 ghtering_6 ghtering_7 ghtering_7 ghtering_9 ghtering_10 ghtering_11 ghtering_11 ghtering_12 ghtering_14 lightering_14 lightering_16 lightering_16 lightering_17 lightering_18 lightering_19 lightering_19 lightering_20 lightering_20 lightering_21 loese curve_2 less shuddown kelless reduction knipatina Bett sarking_1 Bett sarking_1 Bett sarking_1 Bett sarking_2 L unction_end Init	S E		ontrol of reversible belt tensioner_HL

RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_HR Requirement	4 3	5 OnChangeWithRepetition	31		valid value	00 ms			1	io_action	S	\top	E	ontrol of reversible belt tensioner_VL
	0x120055 ######## FD	16 500	10	10	0 Application	Cyclic	5 RGS_HR_Requirement	4 3	5 OnChangeWithRepetition	31		valid value	00 ms				o_action ghtening_1 ghtening_1 ghtening_2 ghtening_3 ghtening_3 ghtening_5 ghtening_6 ghtening_6 ghtening_7 ghtening_6 ghtening_10 ghtening_11 ghtening_11 ghtening_12 ghtening_13 ghtening_13 ghtening_13 ghtening_14 ghtening_15 ghtening_16 ghtening_17 ghtening_17 ghtening_17 ghtening_17 ghtening_17 ghtening_19 ghtening_19 ghtening_19 ghtening_19 ghtening_19 ghtening_20 ghtening_21	s		E	control of reversible belt tensioner_VL
																	2 Joses curve 2 3 Trash shutdown 8 Illess reduction Intipatina Belt Is arking 1 Belt Is arking 2 1 unction_end init				
RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_VL_trailing_2	5 0	1 Cyclic	0		valid value	00 ms				Overtravel_2_not_active Overtravel_2_active	S		E	GS VL executes the overrun time 2
RGS_Anf_01	0x12DD55 ######## FD	16 500	10	10	0 Application	Cyclic	5 RGS_VR_trailing_2	5 1	1 Cyclic	0		valid value	00 ms				Overtravel_2_not_active Overtravel_2_active	S		E	tGS VR executes the overrun time 2
RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_HL_trailing_2	5 2	1 Cyclic	0		valid value	00 ms				Overtravel_2_not_active Overtravel_2_active	S	E		IGS HL executes the follow-up time 2
RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_HR_trailing_2	5 3	1 Cyclic	0		valid value	00 ms				Overtravel_2_not_active Overtravel_2_active	s	\Box	E	GS HR executes the overrun time 2
RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_trailing_allg	5 4	1 Cyclic	0		valid value	00 ms				Dvertravel_not_active Dvertravel_active	S	E	E E E	:GS perform caster
RGS_Anf_01	0x12DD55 ####### FD	16 500	10	10	0 Application	Cyclic	5 RGS_Loading_permitted	5 5	1 OnChangeWithRepetition	0		valid value	00 ms				.oesen_nicht_erlaubt .oesen_erlaubt	S	E	E E E	olution release to RGS (e.g. ball stable)
RGS_Anf_01	0x12DD55 ####### FD	16					void		2										世	井	
RGS_Anf_01 RGS_HL_01	0x12DD55 ####### FD 0x217 535 FD	16 16					void void	6 0	88												
RGS_HL_01	0x217 535 FD	16					void		4		1000				let Desse Office of the		offeed accord to a blick Children				salting values half subsector accepting
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Belt speed	2 4	10 OnChange	511	1023	not provided	00 ms 1	1021 2550 2550	Unit_DegreOfAr 2555 :PerSecon		nfeed speed_too_high Outfeed peed_too_high Error 23	E	S		ositive values: belt extension negative alues: belt intake
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_belt pullout	3 6	12 OnChange	4094	4095	not provided	00 ms 0	4093 10235 10230	Jnit_DegreOfAr 1023		094 nit	Е	S		ength of the belt extension
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_no_streamlining_Unte	5 2	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		GS rear left transmits to Safety Computer that no tightening is ossible due to undervoltage.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_not_programmed	5 3	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	Е	S		tGS rear left transmits an error to the safety computer if no penalty urves are programmed
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Ubertemperatur_def	5 4	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	Е	S		tGS rear left transmits to Safety Computer that RGS is defective
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Component error	5 5	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		ue to temperature error. IGS rear left transmits a component fault to the Safety Computer.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_no_tightening_Uebe	5 6	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		(GS rear left transmits to the Safety Computer that no tightening is ossible due to overvoltage.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Max_beltless cycles	5 7	1 IfActive	1		valid value	00 ms				Error_active Error_not_active	E	S		IGS rear left transmits an error to the Safety Computer when the naximum tightening cycles are reached.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Temp	6 0	8 Cyclic	254	255	not provided	00 ms	253 40 86.5	Jnit_DegreCelsi 40	0.5	54 nit	E	S		tGS rear left transmits temperature to Safety Computer.
RGS_HL_01	0x217 535 FD	16					void		1								55 error				
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Undervoltage	7 1	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S	-	tGS rear left transmits undervoltage error to Safety Computer.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Max_train_cycle_shortages	7 2	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		GS rear left transmits an error to the Safety Computer when the naximum tightening cycles are reached.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Max_Haptic_cycle_error	7 3	1 IfActive	1		valid value	00 ms				Error_active Error_not_active	E	S		he RGS transmits to the airbag that the maximum penalty cycle or haptics has been reached.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Crash shutdown	7 4	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	Е	S		GS rear left transmits to the Safety Computer that RGS has stopped ghtening due to a crash event.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Overvoltage	7 5	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		tGS rear left transmits overvoltage errors to the Safety Computer.
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_Motor error	7 6	1 IfActive	1		not provided	00 ms				Error_active Error_not_active	E	S		tGS rear left transmits an engine fault to the Safety Computer.
RGS_HL_01	0x217 535 FD	16					void	7 7	1												
RGS_HL_01	0x217 535 FD	16 500	10	10	0 Application	Cyclic	RGS_HL_InPos	8 0	1 Cyclic	0		not provided	00 ms				Dut_of_Position n_Position	E	S		he RGS sets this signal when the occupant is sitting quietly in a normal" position after the start of the journey (no more belt oseners present).
	0x217 535 FD	16 500	40	40	0 Application	Cyclic	RGS_HL_Current	0 1	8 IfActive	254	255	not provided	00 me	253 0.2 50.6	Jnit_Amper)	12	nactiv	-	- C		tGS rear left transmits current value to Safety Computer.

RGS_HL_C	1	0x217	538 FD	16	500	10 10	0	Application	Cyclic	RG	SS_HL_Status		9 1	5 lfActive			31		valid v	J value 20	00 ms							0 11 12 23 3 4 4 5 5 6 6 7 7	lo_action ghtering_1 ghtering_2 ghtering_2 ghtering_3 ghtering_4 ghtering_5 ghtering_5 ghtering_6 ghtering_6 ghtering_7 ghtering_8 ghtering_9 ghtering_11 ghtering_12 ghtering_12 ghtering_13 ghtering_14 [ghtering_14 [ghtering_14] [ghtering_15 [ghtering_17 [ghtering_17] [ghtering_17 [ghtering_18] [ghtering_19] [ghtering_29] [ghtering_19] [ghtering_29]	E		te	esponse from RGS HL as to which action will be taken.
RGS_HL_0		0x217	535 FD		500	10 10		Application Application	Cyclic Cyclic		SS_HL_Max_NGU_cycle_en			1 IfActive			1			provided 20	00 ms							28 29 80 81	Faully_Stratifdurchfuehrung Init Error_active Error_not_active Error_active Error_not_active	E S		g	he RGS transmits to the airbag that the maximum number of ghtening cycles for NGU has been reached he RGS transmits to the airbag that the maximum number of
RGS_HL_0		0x217	535 FD	16	500	10 10			Cyclic		S_HL_EEPROM_RAM_RC		10 0	1 IfActive			1				00 ms)	Error_active Error_not_active	E S		R	ghtening cycles for Push2Pass has been reached. GS rear left transmits an EEPROM_RAM_ROOM_error to the afety Computer
RGS_HL_0		0x217	535 FD	16						voic			10 1	1																			
RGS_HR_0)1	0x217 0x21B	535 FD 539 FD	16						voic	d		1 0																				
RGS_HR_0		0x21B 0x21B	539 FD 539 FD	16	500	10 10	0	Application	Cyclic	voic RG	d GS_HR_Belt speed		2 4	10 OnChange			511	1023	not pro	provided 20	00 ms	1	1021		Jnit_DegreOfAr :PerSecon	2555			nfeed speed_too_high Outfeed peed_too_high Error	E	S		ositive values: belt extension negative alues: belt intake
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0 0	Application	Cyclic	RG	GS_HR_belt pullout	+	3 6	12 OnChange		+	4094	4095	not pro	provided 20	00 ms	D e	4093	10235 10230	Jnit_DegreOfAr	10235		1023 1094 1095	nit error	E	S	е	ength of the belt extension
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	S_HR_no_streamlining_Un	nte	5 2	1 IfActive			1		not pro	provided 20	00 ms				7)	Error_active Error_not_active	E	S	0	GS rear right transmits to Safety Computer that no tightening is ossible due to undervoltage.
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	SS_HR_not_programmed		5 3	1 IfActive			1		not pro	provided 20	00 ms)	Error_active Error_not_active	E	s		GS HR transmits an error to the safety computer if no penalty urves are programmed
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	S_HR_Ubertemperatur_del	ef	5 4	1 IfActive			1		not pro	provided 20	00 ms								Error_active Error_not_active	E	S	10	IGS rear right transmits to Safety Computer that RGS is defective ue to temperature error.
RGS_HR_()1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	GS_HR_Component erro	or	5 5	1 IfActive			1		not pro	provided 20	00 ms)	Error_active Error_not_active	E	S		GS rear right transmits a component fault to the Safety Computer.
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	S_HR_no_streamlining_Ue	eb	5 6	1 IfActive			1		not pro	provided 20	00 ms								Error_active Error_not_active	E	S	c c	GS rear right transmits to the Safety Computer that no tightening is ossible due to overvoltage.
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	SS_HR_Max_beltless cycle	les	5 7	1 IfActive			1		not pro	provided 20	00 ms								Error_active Error_not_active	E	S		GS rear right transmits an error to the Safety Computer when ne maximum tightening cycles are reached.
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	GS_HR_Temp		6 0	8 Cyclic			254	255	not pro	provided 20	00 ms	0	253	40 86.5	Jnit_DegreCelsi	40	.5	254 255	nit arror	E	S	10	GS rear right transmits temperature to Safety Computer.
RGS_HR_0		0x21B 0x21B	539 FD 539 FD	16 16	500	10 10		Application	Cyclic	voic	d GS_HR_Undervoltage		7 0	1 IfActive			1		not pre	provided 20	00 ms								Error_active Error_not_active	E	s	10	GS rear right transmits undervoltage error to Safety
RGS_HR_0		0x21B	539 FD		500	10 10			Cyclic		S_HR_Max_train_cycle_err	ror		1 IfActive			1			provided 20)	Error_active Error_not_active	E	S	10	Computer. GS rear right transmits an error to the Safety Computer when
DCS HD	14	0.048	539 FD	16	500	40 40		Application	Custin	DO:	C LID May Hastis and	fab	7 2	1 IfActive					ualid v	lumbra D	00								Error_active Error_not_active	-			ne maximum tightening cycles are reached.
RGS_HR_0		0x21B 0x21B	539 FD		500	10 10		Application Application	Cyclic		S_HR_Max_Haptic_cyclesf GS_HR_Crash shutdown			1 IfActive			1			d value 20 provided 20	00 ms								Error_active Error_not_active	E	s	DI	he RGS transmits to the airbag that the maximum penalty cycle or haptics has been reached. IGS rear right transmits to the Safety Computer that RGS has
																																	borted tightening due to a crash event.
RGS_HR_0		0x21B 0x21B	539 FD 539 FD		500	10 10		Application Application	Cyclic		GS_HR_Overvoltage GS_HR_Motor error			1 IfActive 1 IfActive		-	1			provided 20 provided 20									Error_active Error_not_active Error_active Error_not_active	E	S	i	GS rear right transmits overvoltage errors to the Safety computer. GS rear right transmits an engine fault to the Safety Computer.
RGS_HR_0		0x21B	539 FD	16					1-,	voic		-	7 7	1					I I I I											-	-		
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	GS_HR_InPos		8 0	1 Cyclic			0		not pro	provided 20	00 ms)	Dut_of_Position n_Position	E	S	n	he RGS sets this signal when the occupant is sitting quietly in a normal" position after the start of the journey (no more belt poseners present).
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0	Application	Cyclic	RG	GS_HR_Current		8 1	8 IfActive			254	255	not pro	provided 20	00 ms	1	253	0.2 50.6	Jnit_Amper)	2	254	nactiv Init	E	S	-	GS rear right transmits current value to Safety Computer.
RGS_HR_0)1	0x21B	539 FD	16	500	10 10	0 0	Application	Cyclic	RG	GS_HR_Status		9 1	5 IfActive			31		valid v	d value 20	00 ms							255	error to_action ightening_1	E	S	le	esponse from RGS HR as to which action will be taken.
																												10 11 12 13	ohtening, 2 ghtening, 3 ghtening, 4 ghtening, 5 ghtening, 5 ghtening, 6 ghtening, 7 ghtening, 8 ghtening, 9 ghtening, 10 ghtening, 11 ghtening, 11 ghtening, 12 ghtening, 13 ghtening, 14 Fightening, 15 Fightening, 16 Fightening, 17 Fightening, 17 Fightening, 18 Fightening, 19 Fightening, 20 Fightening, 20 Fightening, 21 Loses ave 2 Crash hutdown Beltess eduction Artipatina Belt parking, 1 Belt parking, 2				
30.03.20	023 / 09:32:	:52															Gene	rated by	BUSNET	NG Produ	uctiv 9.25.6							27 28 29 80 81	Function_end Faulty_request Faulty_Straffdurchfuehrung Init				17/

RGS_HR_01	0x21B	539 FD	16	500	10	10)	0 Applicati	on C	yclic	F	RGS_HR_Max_NGU_Zyklenfe	h	9	6 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	he RGS transmits to the airbag that the maximum number of ghtening cycles for NGU has been reached
RGS_HR_01	0x21B	539 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_HR_Max_P2P_cycle_en	or	9	7 1 lf	Active	1		valid value									Error_active Error_not_active		0	he RGS transmits to the airbag that the maximum number of ghtening cycles for Push2Pass has been reached.
RGS_HR_01	0x21B	539 FD	16	500	10	10)	0 Applicati	on C	cyclic	F	RGS_HR_EEPROM_RAM_RO) 1	10	0 1 lf	Active	1		valid value	200 ms								Error_active Error_not_active	E	S	tGS rear right transmits an EEPROM_RAM_ROOM_error to be Safety Computer
RGS_HR_01	0x21B	539 FD	16								v	void	1	10	1 7																
RGS_HR_01	0x21B	539 FD	16								v	void	1	11	0 48																
RGS_VL_01	0x3D8	984 FD	16								v	roid		1	0 8																
RGS_VL_01	0x3D8	984 FD	16								v	void		2	0 4																
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_Belt speed		2	4 10 O	nChange	511	1023	not provided	200 ms	1 1021	2		Jnit_DegreOfAr cPerSecon	2555	5	022 023	nfeed speed_too_high Outfeed peed_too_high Error	E	S	ositive values: belt extension negative alues: belt intake
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	cyclic	F	RGS_VL_belt pullout		3	6 12 O	nChange	4094	4095	not provided	200 ms	0 4093	-1	0235 10230	Jnit_DegreOfAr	10235	-	1094 1095	nit error	Е	S	ength of the belt extension
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	cyclic	F	RGS_VL_noTighteningSubsp		5	2 1 1/1	Active	1		not provided	200 ms								Error_active Error_not_active	Е	S	tGS VL transmits to the Safety Computer that no tightening is ossible due to undervoltage.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Syclic	F	RGS_VL_not_programmed		5	3 1 H	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	tGS VL transmits an error to the safety computer if no penalty urves are programmed
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_Ubertemperatur_def		5	4 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	Е	S	tGS VL transmits to the Safety Computer that RGS is defective ue to a temperature error.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Syclic	F	RGS_VL_Component erro	•	5	5 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	tGS VL transmits a component fault to the Safety Computer.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_noTighteningUebers		5	6 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	GS rear left transmits to the Safety Computer that no tightening is ossible due to overvoltage.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Cyclic	F	RGS_VL_Max_beltless cycle	s	5	7 1 lf/	Active	1		valid value	200 ms								Error_active Error_not_active	Е	S	GS VL transmits an error to the Safety Computer when the naximum tightening cycles are reached.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	cyclic	F	RGS_VL_Temp		6	0 8 0	yclic	254	255	not provided	200 ms	0 253	4	0 86.5	Jnit_DegreCelsi	40	0.5	254 255	nit rror	E	S	tGS VL transmits temperature to the Safety Computer.
RGS_VL_01	0x3D8	984 FD	16								v	void		7	0 1																
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	cyclic	F	RGS_VL_Undervoltage		7	1 1 H	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	tGS VL transmits undervoltage errors to the Safety Computer.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_Max_train_cycle_sho es	rtag	7	2 1 lf/	Active	1		not provided	200 ms)	Error_active Error_not_active	Е	S	GS VL transmits an error to the Safety Computer when the naximum tightening cycles are reached.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_Max_Haptic_cycle_e	rror	7	3 1 lf/	Active	1		valid value	200 ms								Error_active Error_not_active	E	S	he RGS transmits to the airbag that the maximum penalty cycle or haptics has been reached.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_Crash shutdown		7	4 1 H	Active	1		not provided	200 ms								Error_active Error_not_active	E	S	GS VL transmits to the Safety Computer that RGS has aborted the ghtening process due to a crash event.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Cyclic	F	RGS_VL_overvoltage		7	5 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	Е	S	tGS rear left transmits overvoltage errors to the Safety Computer.
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Syclic	F	RGS_VL_Motor error		7	6 1 lf/	Active	1		not provided	200 ms								Error_active Error_not_active	Е	S	tGS VL transmits a motor error to the Safety Computer.
RGS_VL_01	0x3D8	984 FD	16								v	void		7	7 1																
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	yclic	F	RGS_VL_InPos		8	0 1 C	yclic	0		not provided	200 ms								Dut_of_Position n_Position	E	S	he RGS sets this signal when the occupant is sitting quietly in a normal" position after the start of the journey (no more belt poseners present).
RGS_VL_01	0x3D8	984 FD	16	500	10	10		0 Applicati	on C	Syclic	F	RGS_VL_Current		8	1 8 lf/	Active	254	255	not provided	200 ms	1 253	0.:	2 50.6	Jnit_Amper	þ).2	254	nactiv	E	S	GS VL transmits current value to the safety computer.

RGS_VL_01	0x3D8	984 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/L_Status		9	1 SlitAci	five		0	n		valid value	200 ms								0 1 1 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 8 9 9 8 9 8 9 9 8 9 1 1 2 3 4 4 5 5 6 6 7 7 8 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9	to action ghtening.1 ghtening.2 ghtening.2 ghtening.3 ghtening.3 ghtening.4 ghtening.5 ghtening.5 ghtening.6 ghtening.7 ghtening.8 ghtening.9 ghtening.10 ghtening.11 ghtening.11 ghtening.15 lightening.15 lightening.15 lightening.16 lightening.17 lightening.18 lightening.19 lightening.20 channel ghtening.21 Loses uve.2 Crash hutdown Betless eduction Antipathna Bet parking.1 Bet arking.2 urocion_end authy_penalty_request authy_Straffdurchfuehrung Int	E	S	esponse from RGS VL, which action will be carried	ed out:
RGS_VL_01	0x3D8	984 FD	16	500	10		10	0 Appl	olication	Cuelic	PGS VI	L_Max_NGU_cycle_er	inr.	0	6 1 IfAct	tive		1			not provided	200 me									Error_active Error_not_active	F	q	he RGS transmits to the airbag that the maximum	n number of
			10			1	10							3								2001115								[, and	ghtening cycles for NGU has been reached	l
RGS_VL_01	0x3D8	984 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_VL ands	L_Max_P2P_Cycle_Co	mm	9	7 1 IfAct	tive		1			valid value									ľ	Error_active Error_not_active		0	he RGS transmits to the airbag that the maximum ghtening cycles for Push2Pass has been rea	
RGS_VL_01	0x3D8	984 FD	16	500	10)	10	0 Appl	olication	Cyclic	RGS_VL	L_EEPROM_RAM_RO	M	10	0 1 IfAct	tive		1			valid value	200 ms									Error_active Error_not_active	E	S	GS front left transmits an EEPROM_RAM_ROOM afety Computer.	M_error to the
RGS_VL_01	0x3D8	984 FD	16								void			10	1 7																				
RGS_VL_01	0x3D8	984 FD	16								void				0 48																				
RGS_VR_01 RGS_VR_01	0x3D9 0x3D9		16				-			-	void				0 8		-++								-								-H		
RGS_VR_01	0x3D9		16	500	10	D	10	0 Appl	olication	Cyclic		R_belt speed		_	4 10 OnC	Change		5	511 1	023	not provided	200 ms	1	1021	2550) 2550 J	nit_DegreOfAr PerSecon	2555	5	1022	nfeed speed_too_high Outfeed peed_too_high Error	E	s	ositive values: belt extension negative alues: belt intake	
RGS_VR_01	0x3D9	985 FD	16	500	10)	10	0 Appl	olication	Cyclic	RGS_V	/R_belt pullout		3	6 12 OnC	Change		4	1094 4	095	not provided	200 ms	0	4093	1023	35 10230	nit_DegreOfAr	10235	5	1094 1095	nit	E	s	ength of the belt extension	
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_VF	R_noTighteningUnter		5	2 1 IfAct	tive		1			not provided	200 ms				Í)	Error_active Error_not_active	E	S	IGS VR transmits to the Safety Computer that no to ossible due to undervoltage.	tightening is
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	R_not_programmed		5	3 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	Е	s	IGS VR transmits an error to the safety computer is urves are programmed	r if no penalty
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_VF	R_Ubertemperatur_de		5	4 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	S	IGS VR transmits to the Safety Computer that RGS ue to a temperature error.	GS is defective
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_Component erro	r	5	5 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	s	GS VR transmits a component fault to the Safety	y Computer.
RGS_VR_01	0x3D9	985 FD	16	500	10	D	10	0 Appl	olication	Cyclic	RGS_VF	R_noTighteningUebers	;	5	6 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	s	GS rear right transmits to the Safety Computer the ossible due to overvoltage.	hat no tightening is
RGS_VR_01	0x3D9	985 FD	16	500	10	D	10	0 Appl	olication	Cyclic	RGS_V	R_Max_beltless cycle	es	5	7 1 IfAct	tive		1	'		valid value	200 ms									Error_active Error_not_active	E	s	tGS VR transmits an error to the Safety Computer naximum tightening cycles are reached.	er when the
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_Temp		6	0 8 Cycl	lic		2	254 2	55	not provided	200 ms	0	253	40	86.5 J	nit_DegreCelsi	40	0.5	254 255	nit mor	E	s	tGS VR transmits temperature to the Safety Comp	puter.
RGS_VR_01	0x3D9		16	F0.0			40		lient'	Cu-F-	void	/D I lad		7	0 1	thus.			T		and committee	200								_	Error_active Error_not_active	_		IGS VR transmits undervoltage errors to the Safet	ety Computer
RGS_VR_01	0x3D9		16	500			10		olication			/R_Undervoltage	\perp	1	1 1 IfAct		$\perp \downarrow \downarrow$				not provided											E	S		
RGS_VR_01	0x3D9	985 FD	16	500	10)	10	0 Appl	olication	Cyclic	RGS_VF ages	R_Max_Strain_cycle_s	hort	7	2 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	S	GS VR transmits an error to the Safety Computer naximum tightening cycles are reached.	er when the
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_VF	R_Max_Haptic_cyclest	eh	7	3 1 IfAct	tive		1			valid value	200 ms									Error_active Error_not_active	E	S	he RGS transmits to the airbag that the maximum or haptics has been reached.	
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_Crash shutdown		7	4 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	S	GS VR transmits to the Safety Computer that RGS ne tightening process due to a crash event.	GS has aborted
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_Overvoltage		7	5 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	Е	s	GS rear right transmits overvoltage errors to the Somputer.	Safety
RGS_VR_01	0x3D9	985 FD	16	500	10)	10	0 Appl	olication	Cyclic	RGS_V	/R_Motor error		7	6 1 IfAct	tive		1			not provided	200 ms									Error_active Error_not_active	E	s	tGS VR transmits a motor error to the Safety Comp	nputer.
RGS_VR_01	0x3D9		16								void			7	7 1																				
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_InPos		8	0 1 Cycl	dic)		not provided	200 ms									Out_of_Position n_Position	E	S	he RGS sets this signal when the occupant is sitti normal" position after the start of the journey (no poseners present).	
RGS_VR_01	0x3D9	985 FD	16	500	10		10	0 Appl	olication	Cyclic	RGS_V	/R_Current		8	1 8 IfAct	tive		2	254 2	55	not provided	200 ms	1	253	0.2	50.6	nit_Amper)).2) 254 255	nactiv Init error	E	s	GS VR transmits current value to the Safety Comp	nputer.
	•										•					<u> </u>							<u> </u>									_	 		

RGS_VR_01	0x3D9			16	500	10				RGS_VR_Status	9	1 5 Nactive			31		00 ms			10011233445566278899031	G 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	a action phalening 1 phlening 2 phlening 3 phlening 4 phlening 5 phlening 6 phlening 7 phlening 7 phlening 8 phlening 9 phlening 10 phlening 11 phlening 11 phlening 12 phlening 13 phlening 13 phlening 13 phlening 17 phlening 17 phlening 18 phlening 19 phlening 19 phlening 19 phlening 10 phleni	E	s	esponse from RGS VR as to which action will be taken.
RGS_VR_01	0x3D9	988	FD	16	500	10	10	0 Application	Cyclic	RGS_VR_Max_NGU_Zyklenfeh	9	6 1 IfActive		1		not provided	00 ms				Ē	rror_active Error_not_active	E	s	he RGS transmits to the airbag that the maximum number of ghtening cycles for NGU has been reached
RGS_VR_01	0x3D9	985	FD	16	500	10	10	0 Application	Cyclic	RGS_VR_Max_P2P_cycle_error	9	7 1 IfActive		1		valid value					-	rror_active Error_not_active		0	he RGS transmits to the airbag that the maximum number of ghtening cycles for Push2Pass has been reached.
RGS_VR_01	0x3D9	985	FD	16	500	10	10	0 Application	Cyclic	RGS_VR_EEPROM_RAM_ROM	10	0 1 IfActive		1		valid value					Ē	rror_active Error_not_active	E	S	tGS front right transmits an EEPROM_RAM_ROOM_error to ne Safety Computer
RGS_VR_01	0x3D9			16						void	10	1 7													
RGS_VR_01	0x3D9	985	FD	16						void	11	0 48										·			