

FMB150 Teltonika Data Sending Parameters ID

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Document updated according to firmware FMB.Ver.03.28.07.Rev.152 and newer.

FMB AVL ID's consist of these **parameters groups**:

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Permanent I/O elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multi plier	Units	Description	HW Suppo rt	Parameter Group
				Min	Max					

239	Ignition	1	Unsigned	0	1	-	-	0 - Ignition Off 1 - Ignition On	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU12 5 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O Elements
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80	Data Mode	1	Unsigned	0	5	-	-	0 - Home On Stop 1 - Home On Moving 2 - Roaming On Stop 3 - Roaming On Moving 4 - Unknown On Stop 5 - Unknown On Moving	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O Elements
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									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMB14	
									0	
									FMB15	
									0	
									FMC15	
									0	
21	GSM Signal	1	Unsigned	0	5	-	-	Value in range 1-5	FMM1	Permanent I/O Elements
			ed						50	
									FMB90	
									0	
									FMB92	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

200	Sleep Mode	1	Unsigned	0	4	-	-	0 - No Sleep 1 - GPS Sleep 2 - Deep Sleep 3 - Online Sleep 4 - Ultra Sleep	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O Elements
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69	GNSS Status	1	Unsigned	0	3	-	-	0 - GNSS OFF 1 - GNSS ON with fix 2 - GNSS ON without fix 3 - GNSS sleep	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O Elements
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Index	Parameter	Unit	Value	Scale	Resolution	Calculation	Permanent I/O Elements
181	GNSS PDOP	Unsign ed	0	500	0.1	Coefficient, calculation formula	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A

Index	Parameter	Units	Min	Max	Resolution	Calculation	Permanent I/O Elements
182	GNSS HDOP	2	Unsign ed	0	500	0.1	Coefficient, calculation formula

							FMBXX	
							X	
							FMB00	
							1	
							FMC00	
							1	
							FMB01	
							0	
							FMB00	
							2	
							FMB02	
							0	
							FMB00	
							3	
							FMB11	
							0	
							FMB12	
							0	
							FMB12	
							2	
							FMB12	
							5	
							FMU12	
							5	
							FMB14	
							0	
							FMB15	
							0	
							FMC15	
							0	
24	Speed	2	Unsign ed	0	350	- km/h	GNSS Speed	Permanent I/O elements
							FMM1	
							50	
							FMB90	
							0	
							FMB92	
							0	
							FMB96	
							2	
							FMB96	
							4	
							FM300	
							1	
							FMB20	
							2	
							FMB20	
							4	
							FMB20	
							6	
							FMT10	
							0	
							MTB10	
							0	
							FMP10	
							0	
							MSP50	
							0	
							FMC80	
							0	
							FMM8	
							00	
							FMM8	
							0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMB14	
									0	
									FMB15	
									0	
									FMC15	
									0	
205	GSM Cell ID	2	Unsigned	0	65535	-	-	GSM base station ID	FMM1	Permanent I/O elements
			ed						50	
									FMB90	
									0	
									FMB92	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

206	GSM Area Code	2	Unsigned	0	65535	-	-	Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations.	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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[illegible]

241	Active GSM Operator	4	Unsigned	0	4294967295	-	-	Currently used GSM Operator code	FMBXX X FMB001 1 FMC001 1 FMB010 0 FMB002 2 FMB020 0 FMB003 3 FMB110 0 FMB120 0 FMB122 2 FMB125 5 FMU125 5 FMB140 0 FMB150 0 FMC150 0 FMM150 50 FMB900 0 FMB920 0 FMB962 2 FMB964 4 FM3001 1 FMB202 2 FMB204 4 FMB206 6 FMT100 0 MTB100 0 FMP100 0 MSP500 0 FMC800 0 FMM800 00 FMM80A 0A	Permanent I/O elements
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16	Total Odometer	4	Unsigned	0	2147483647	-	-	Total Odometer value in meters	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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[illegible]

Index	Variable	Unit	Description	Access	Value	Comment
17	Axis X	2	Signed -8000 8000	-	mG	X axis value

18	Axis Y	2	Signed -8000 8000	-	mG	Y axis value	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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19	Axis Z	2	Signed -8000 8000	-	mG	Z axis value	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMB14	
									0	
									FMB15	
									0	
									FMC15	
									0	
11	ICCID1	8	Unsigned	0	0xffffffff ffffffff	-	-	Value of SIM ICCID, MSB	FMM1	Permanent I/O elements
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

Index	Variable Name	Size (bits)	Sign	Integer Range	Fixed Point	Logic	Notes
2	Digital Input 2	1	Unsigned	0	1	-	Logic: 0/1
3	Digital Input 3	1	Unsigned	0	1	-	Logic: 0/1

[illegible]

73	Dallas Temperature 2	4	Signed	-550	1150	0.1	°C	Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	Permanent I/O elements
74	Dallas Temperature 3	4	Signed	-550	1150	0.1	°C	Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	Permanent I/O elements

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[illegible]

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										FMB125 FMB125 FMU125 FMC125 FMM125 FMB125 FMB125 FMU125 FMC125 FMM125	Permanent I/O elements
214	LLS 5 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS485			
										FMB125 FMB125 FMU125 FMC125 FMM125 FMB125 FMB125 FMU125 FMC125 FMM125	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485			
										FMB125 FMC125 FMM125 FMBXX X FMB001 FMC001 FMB010 FMB110 FMB120 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 FMM80A	Permanent I/O elements
15	Eco Score	2	Unsigned	0	65535	0.01	-	Average amount of events on some distance			
										FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 FMM80A	Permanent I/O elements

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										FM300 1 FMU12 5 FMU12 6 FMU13 0 FMC12 5 FMC13 0 FMC15 0 FMM1 25 FMM1 30 FMM1 50 FMC00 1 FMM0 01 FMC80 0 FMM8 00 FMC88 0 FMM8 80 FMM8 0A FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	
237	Network Type	1	Unsigned	0	1	-	-	0 - 3G 1 - GSM 2 - 4G 3 - LTE CAT M1 4 - LTE CAT NB1 99 - Unknown	Permanent I/O elements		
8	Authorized iButton	8	Unsigned	0	0xffffffff ffffffff	-	-	If ID is shown in this I/O that means that attached iButton is in iButton List	Permanent I/O elements		

4	Pulse Counter Din1	4	Unsigned	0	4294967295	-	-	Counts pulses, count is reset when records are saved	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30	Permanent I/O elements
5	Pulse Counter Din2	4	Unsigned	0	4294967295	-	-	Counts pulses, count is reset when records are saved	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30	Permanent I/O elements

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										FMBXX X FMB001 1 FMB010 0 FMB110 0 FMB120 0 FMB122 2 FMB125 5 FMU125 5 FMC125 5 FMM125 25 FMB130 0 FMU130 0 FMC130 0 FMM130 30 FMB140 0 FMB150 0 FMC150 0 FMM150 50 FMB900 0 FMB920 0 FMB962 2 FMB964 4 FM3001 1 FMB202 2 FMB204 4 FMB206 6 FMT100 0 MTB100 0 FMB125 5 FMB125 5 FMU125 5 FMC125 5 FMM125 25 FMB125 5 FMB125 5 FMU125 5 FMC125 5 FMM125 25 FMB125 5 FMB125 5 FMU125 5 FMC125 5 FMM125 25	
264	Barcode ID	Variable	ASCII	0	32	-	-	Barcode ID		Permanent I/O elements	

										FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5	
272	Escort LLS Temperature #2	2	Signed	-128	127	-	°C	Fuel temperature			Permanent I/O elements
273	Escort LLS Fuel level #2	2	Unsigned	0	65535	-	-	Fuel Level			Permanent I/O elements
274	Escort LLS Battery Voltage #2	2	Unsigned	0	65535	0.01	V	Battery Voltage			Permanent I/O elements
275	Escort LLS Temperature #3	2	Signed	-128	127	-	°C	Fuel temperature			Permanent I/O elements
276	Escort LLS Fuel level #3	2	Unsigned	0	65535	-	-	Fuel Level			Permanent I/O elements
277	Escort LLS Battery Voltage #3	2	Unsigned	0	65535	0.01	V	Battery Voltage			Permanent I/O elements
278	Escort LLS Temperature #4	2	Signed	-128	127	-	°C	Fuel temperature			Permanent I/O elements
279	Escort LLS Fuel level #4	2	Unsigned	0	65535	-	-	Fuel Level			Permanent I/O elements

										FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0	
280	Escort LLS Battery Voltage #4	2	Unsigned	0	65535	0.01	V	Battery Voltage		Permanent I/O elements	
										FMM1 30 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMB12 5 FMB12 5	
303	Instant Movement	1	Unsigned	0	1	-	-	Logic: 0/1 returns movement value		Permanent I/O elements	
										FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5	
327	UL202-02 Sensor Fuel level	2	Signed	-150	32767	0.1	mm	UL202-02 Sensor Fuel level		Permanent I/O elements	
										FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5	
483	UL202-02 Sensor Status	1	Unsigned	0	255	-	-	UL202-02 sensor status codes		Permanent I/O elements	
										FMU12 5 FMC12 5 FMM1 25	

									FMBXX X FMB13 0 FMU13 0 FMC13 0 FMC15 0 FMM1 30 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0	
380	Digital output 3	1	Unsigned	0	1	-	-	Logic: 0/1	Permanent I/O elements	
381	Ground Sense	1	Unsigned	0	1	-	-	Logic: 0/1	Permanent I/O elements	

387	ISO6709 Coordinates	34	HEX	0	0x7fffff ffffffff	-	-	ISO6709 Coordinates Latitude, Longitude (in Degrees, Minutes and Seconds) and Altitude: IO value format: ±DDMMSS.SSSS±DDMMSS.SSSS±AAA.AAA/	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB12 5 FMC12 5 FMB13 0 FMB13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 50 FMM1 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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										FMBXX X FMU125 FMU126 FMU130 FMC001 FMC125 FMC130 FMM001 FMM125 FMM130 FMC150 FMM150 FMC800 FMM800 FMM80A		
636	UMTS/LTE Cell ID	4	Unsigned	0	0xFFFF FFFFF	-	-				Permanent I/O elements	
403	Driver Name	35	Unsigned	-	-	-	-	Driver name extracted from card, displayed without delimiters (\$ signs)		FMBXX X FMU126	Permanent I/O elements	
404	Driver card license type	1	Unsigned	0	8	-	-	None - 0 B.1 license type - 1 B.2 license type - 2 B.3 license type - 3 B.4 license type - 4 T.1 license type - 5 T.2 license type - 6 T.3 license type - 7 T.4 license type - 8		FMBXX X FMU126	Permanent I/O elements	
405	Driver Gender	1	Unsigned	0	2	-	-	None - 0 Male - 1 Female - 2		FMBXX X FMU126	Permanent I/O elements	
406	Driver Card ID	4	Unsigned	0	429496 7295	-	-	None - 0 Male - 1 Female - 2		FMBXX X FMU126	Permanent I/O elements	
407	Driver card expiration date	1	Unsigned	0	9999	-	-			FMBXX X FMU126	Permanent I/O elements	
408	Driver Card place of issue	4	Unsigned	0	65535	-	-	Extracted from card		FMBXX X FMU126	Permanent I/O Elements	
409	Driver Status Event	1	Unsigned	0	2	-	-	Registered - 0 Deregistered - 1 Swapping - 2		FMBXX X FMU126	Permanent I/O elements	
329	AIN Speed	2	Unsigned	0	65535	-	-			MSP500	Permanent I/O elements	
500	MSP500 vendor name	40	ASCII	0	40	-	-	Name of the integrator who installed the device		MSP500	Permanent I/O elements	
501	MSP500 vehicle number	40	ASCII	0	40	-	-	Vehicle number on which the device is installed		MSP500	Permanent I/O elements	
502	MSP500 speed sensor	1	unsigned	0	1	-	-	Status of the speed sensor		MSP500	Permanent I/O elements	
637	Wake Reason	1	Unsigned	0	1	-	-	True if device was woken by RTC alarm		FMB965	Permanent I/O elements	

Eventual I/O elements

Property ID in AVL packet	Property Name	Byte	Type	Value range		Multiplier	Units	Description	ECU Support	Parameter Group
				Min	Max					
155	Confidence zone 01	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - cover opening end 3 - cover opening start	PHEX01 PHEX02 PHEX03 PHEX04 PHEX05 PHEX06 PHEX07 PHEX08 PHEX09 PHEX10 PHEX11 PHEX12 PHEX13 PHEX14 PHEX15 PHEX16 PHEX17 PHEX18 PHEX19 PHEX20 PHEX21 PHEX22 PHEX23 PHEX24 PHEX25 PHEX26 PHEX27 PHEX28 PHEX29 PHEX30 PHEX31 PHEX32 PHEX33 PHEX34 PHEX35 PHEX36 PHEX37 PHEX38 PHEX39 PHEX40 PHEX41 PHEX42 PHEX43 PHEX44 PHEX45 PHEX46 PHEX47 PHEX48 PHEX49 PHEX50 PHEX51 PHEX52 PHEX53 PHEX54 PHEX55 PHEX56 PHEX57 PHEX58 PHEX59 PHEX60 PHEX61 PHEX62 PHEX63 PHEX64 PHEX65 PHEX66 PHEX67 PHEX68 PHEX69 PHEX70 PHEX71 PHEX72 PHEX73 PHEX74 PHEX75 PHEX76 PHEX77 PHEX78 PHEX79 PHEX80 PHEX81 PHEX82 PHEX83 PHEX84 PHEX85 PHEX86 PHEX87 PHEX88 PHEX89 PHEX90 PHEX91 PHEX92 PHEX93 PHEX94 PHEX95 PHEX96 PHEX97 PHEX98 PHEX99 PHEX100	Eventual IO elements
156	Confidence zone 02	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - cover opening end 3 - cover opening start	PHEX01 PHEX02 PHEX03 PHEX04 PHEX05 PHEX06 PHEX07 PHEX08 PHEX09 PHEX10 PHEX11 PHEX12 PHEX13 PHEX14 PHEX15 PHEX16 PHEX17 PHEX18 PHEX19 PHEX20 PHEX21 PHEX22 PHEX23 PHEX24 PHEX25 PHEX26 PHEX27 PHEX28 PHEX29 PHEX30 PHEX31 PHEX32 PHEX33 PHEX34 PHEX35 PHEX36 PHEX37 PHEX38 PHEX39 PHEX40 PHEX41 PHEX42 PHEX43 PHEX44 PHEX45 PHEX46 PHEX47 PHEX48 PHEX49 PHEX50 PHEX51 PHEX52 PHEX53 PHEX54 PHEX55 PHEX56 PHEX57 PHEX58 PHEX59 PHEX60 PHEX61 PHEX62 PHEX63 PHEX64 PHEX65 PHEX66 PHEX67 PHEX68 PHEX69 PHEX70 PHEX71 PHEX72 PHEX73 PHEX74 PHEX75 PHEX76 PHEX77 PHEX78 PHEX79 PHEX80 PHEX81 PHEX82 PHEX83 PHEX84 PHEX85 PHEX86 PHEX87 PHEX88 PHEX89 PHEX90 PHEX91 PHEX92 PHEX93 PHEX94 PHEX95 PHEX96 PHEX97 PHEX98 PHEX99 PHEX100	Eventual IO elements
157	Confidence zone 03	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - cover opening end 3 - cover opening start	PHEX01 PHEX02 PHEX03 PHEX04 PHEX05 PHEX06 PHEX07 PHEX08 PHEX09 PHEX10 PHEX11 PHEX12 PHEX13 PHEX14 PHEX15 PHEX16 PHEX17 PHEX18 PHEX19 PHEX20 PHEX21 PHEX22 PHEX23 PHEX24 PHEX25 PHEX26 PHEX27 PHEX28 PHEX29 PHEX30 PHEX31 PHEX32 PHEX33 PHEX34 PHEX35 PHEX36 PHEX37 PHEX38 PHEX39 PHEX40 PHEX41 PHEX42 PHEX43 PHEX44 PHEX45 PHEX46 PHEX47 PHEX48 PHEX49 PHEX50 PHEX51 PHEX52 PHEX53 PHEX54 PHEX55 PHEX56 PHEX57 PHEX58 PHEX59 PHEX60 PHEX61 PHEX62 PHEX63 PHEX64 PHEX65 PHEX66 PHEX67 PHEX68 PHEX69 PHEX70 PHEX71 PHEX72 PHEX73 PHEX74 PHEX75 PHEX76 PHEX77 PHEX78 PHEX79 PHEX80 PHEX81 PHEX82 PHEX83 PHEX84 PHEX85 PHEX86 PHEX87 PHEX88 PHEX89 PHEX90 PHEX91 PHEX92 PHEX93 PHEX94 PHEX95 PHEX96 PHEX97 PHEX98 PHEX99 PHEX100	Eventual IO elements
158	Confidence zone									

[illegible]

96	Confidence score 18	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
97	Confidence score 19	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
98	Confidence score 20	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
99	Confidence score 21	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
153	Confidence score 22	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
154	Confidence score 23	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
190	Confidence score 24	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
191	Confidence score 25	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	
192	Confidence score 26	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FMHXXN 24/0001	Eventual IO elements
									24/0001	
									24/0002	
									24/0003	
									24/0004	
									24/0005	
									24/0006	
									24/0007	
									24/0008	
									24/0009	

[illegible]

[illegible]

14	IICD2	8	Unsigned	0	0aFFFFFFFFFFFFFF	-	-	Value of IICD_LSB	Eventual IO elements
243	Cross driving event duration	2	Unsigned	0	65535	-	ms	Duration of event that did generate Cross driving	Eventual IO elements
236	Alarm	1	Unsigned	0	1	-	-	0 - Reserved 1 - Alarm event occurred	Eventual IO elements
238	EcoMaximum	8	Unsigned	0	0aFFFFFFFFFFFFFF	-	-	Element stores maximum accelerometer values in mg on all axis during Eco driving event 8 Bytes 28 Zero 28 - X axis 28 - Y axis 28 - Z axis	Eventual IO elements
239	EcoAverage	8	Unsigned	0	0aFFFFFFFFFFFFFF	-	-	Element stores average accelerometer values in mg on all axis during Eco driving event 8 Bytes 28 Zero 28 - X axis 28 - Y axis 28 - Z axis	Eventual IO elements
240	EcoDuration	2	Unsigned	0	65535	-	ms	Duration of Eco driving event in milliseconds 1 - Ignition ON 2 - Driving 3 - Ignition OFF	Eventual IO elements
243	Driving State	1	Unsigned	0	3	-	-	1 - Ignition ON 2 - Driving 3 - Ignition OFF	Eventual IO elements
244	Driving Records	2	Unsigned	0	65535	-	-	Number of Records between Ignition ON and Ignition OFF	Eventual IO elements
361	Private mode	1	Unsigned	0	255	-	-	Private mode state 0 - Private mode off 1 - Private mode on	Eventual IO elements
317	Crash event counter	1	Unsigned	0	255	-	-	Connects trace with specific eventual crash record	Eventual IO elements
449	Ignition On Counter	4	Unsigned	0	2147483647	-	s	0 - Disable 1 - Enable	Eventual IO elements

OBD elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range Min Max	Multiplier	Units	Description	HW Support	Parameter Group
256	VIN	17	ASCII	0	0xff	-	VIN number	FMBXXX	OBD elements
								FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
30	Number of DTC	1	ASCII	0	255	-	-	Number of DTC	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
31	Engine Load	1	Unsigned	0	100	-	%	Calculated engine load value	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
32	Coolant Temperature	1	Signed	-128	127	-	°C	Engine coolant temperature	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
33	Short Fuel Trim	1	Signed	-100	99	-	%	Short term fuel trim 1	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
34	Fuel pressure	2	Unsigned	0	765	-	kPa	Fuel pressure	OBD elements	
35	Intake MAP	1	Unsigned	0	255	-	kPa	Intake manifold absolute pressure	OBD elements	
36	Engine RPM	2	Unsigned	0	16384	-	rpm	Engine RPM	OBD elements	
37	Vehicle Speed	1	Unsigned	0	255	-	km/h	Vehicle speed	OBD elements	

										FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
38	Timing Advance	1	Signed	-64	64	-	°	Timing advance		OBD elements	
39	Intake Air Temperature	1	Signed	-128	127	-	°C	Intake air temperature		OBD elements	
40	MAF	2	Unsigned	0	65535	0.01	g/sec	MAF air flow rate		OBD elements	
41	Throttle Position	1	Unsigned	0	100	-	%	Throttle position		OBD elements	

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
42	Runtime since engine start	2	Unsigned	0	65535	-	s	Runtime since engine start	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
43	Distance Traveled MIL On	2	Unsigned	0	65535	-	km	Distance ormattin MIL on	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
44	Relative Fuel Rail Pressure	2	Unsigned	0	5178	0.1	kPa	Relative fuel rail pressure	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
45	Direct Fuel Rail Pressure	2	Unsigned	0	65535	10	kPa	Direct Fuel Rail Pressure	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements

										FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
46	Commanded EGR	1	Unsigned	0	100	-	%	Commanded EGR		OBD elements	
47	EGR Error	1	Signed	-100	100	-	%	EGR error		OBD elements	
48	Fuel Level	1	Unsigned	0	100	-	%	Fuel level		OBD elements	
49	Distance Since Codes Clear	2	Unsigned	0	65535	-	km	Distance traveled since codes cleared		OBD elements	

										FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
50	Barometric Pressure	1	Unsigned	0	255	-	kPa	Barometric pressure		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
51	Control Module Voltage	2	Unsigned	0	65535	0.001	V	Control module voltage		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
52	Absolute Load Value	2	Unsigned	0	25700	-	%	Absolute load value		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
759	Fuel Type	1	Unsigned	0	255	-	-	0 Not available 1 Gasoline 2 Methanol 3 Ethanol 4 Diesel 5 LPG 6 CNG 7 Propane 8 Electric 9 Bifuel running Gasoline 10 Bifuel running Methanol 11 Bifuel running Ethanol 12 Bifuel running LPG 13 Bifuel running CNG 14 Bifuel running Propane 15 Bifuel running Electricity 16 Bifuel running electric and combustion engine 17 Hybrid gasoline 18 Hybrid Ethanol 19 Hybrid Diesel 20 Hybrid Electric 21 Hybrid running electric and combustion engine 22 Hybrid Regenerative 23 Bifuel running diesel		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements

										FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
53	Ambient Air Temperature	1	Signed	-128	127	-	°C	Ambient air temperature		OBD elements	
54	Time Run With MIL On	2	Unsigned	0	65535	-	min	Time run with MIL on		OBD elements	
55	Time Since Codes Cleared	2	Unsigned	0	65535	-	min	Time since codes cleared		OBD elements	
56	Absolute Fuel Rail Pressure	2	Unsigned	0	65535	0.1	kPa	Absolute fuel rail pressure		OBD elements	

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
57	Hybrid battery pack life	1	Unsigned	0	100	-	%	Hybrid battery pack remaining life		
58	Engine Oil Temperature	1	Unsigned	0	215	-	°C	Engine oil temperature		
59	Fuel injection timing	2	Signed	-21000	30200	0.01	°	Fuel injection timing		
543	Hybrid System Voltage	2	Unsigned	0	1024	-	V	Hybrid vehicle system voltage		

544	Hybrid System Current	2	Signed	-3277	3277	-	A	Hybrid vehicle system current	OBD elements
281	Fault Codes	variable	ASCII	0	128	-	-	Fault Codes (values separated via ",")	OBD elements
60	Fuel Rate	2	Unsigned	0	32767	0.01	L/h	Engine fuel rate, L/h*100	OBD elements

FMBXXX
FMB001
FMC001
FMB010
FMB003
FMB110
FMB120
FMB122
FMB125
FMU125
FMC125
FMM125
FMB130
FMU130
FMC130
FMM130
FMB140
FMB150
FMC150
FMM150
FMB900
FMB920
FMB962
FMB964
FM3001
FMT100
MTB100
FMB202
FMB204
FMB206
FMT100
MTB100
FMB140
FMBXXX
FMB001
FMC001
FMB010
FMB003
FMB110
FMB120
FMB122
FMB125
FMU125
FMC125
FMM125
FMB130
FMU130
FMC130
FMM130
FMB140
FMB150
FMC150
FMM150
FMB900
FMB920
FMB962
FMB964
FM3001
FMT100
MTB100
FMB202
FMB204
FMB206
FMT100
MTB100
FMB140
FMBXXX
FMB001
FMC001
FMB010
FMB003
FMB110
FMB120
FMB122
FMB125
FMU125
FMC125
FMM125
FMB130
FMU130
FMC130
FMM130
FMB140
FMB150
FMC150
FMM150
FMB900
FMB920
FMB962
FMB964
FM3001
FMT100
MTB100
FMB202
FMB204
FMB206
FMT100
MTB100
FMB140

OBD OEM elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
389	OBD OEM Total Mileage	4	Unsigned	0	0xffffffff	-	km	Total mileage received by requesting vehicle specific PID	FMB003	OBD OEM elements
390	OBD OEM Fuel Level	4	Unsigned	0	0xffffffff	0.1	l	Fuel level in litres received by requesting vehicle specific PID	FMB003	OBD OEM elements
410	OEM Battery charge state	1	Unsigned	0	1	-	-	0 - Not charging	FMB001	OBD OEM elements
								1 - Charging	FMC001	
									FMM001	
									FMB003	
									FMC003	
									FMM003	

411	OEM Battery charge level	1	Unsigned	0	100	-	%	Represents battery charged level	FMB001 FMC001 FMM001 FMB003 FMC003 FMM003	OBD OEM elements
412	OEM Battery power consumption	2	Unsigned	0	65535	-	kWh/100km	Represents battery power consumption	FMB001 FMC001 FMM001 FMB003 FMC003 FMM003	OBD OEM elements
755	OEM Remaining distance	2	Unsigned	0	65535	-	km	Remaining distance until fuel tank empty or battery (EV) depleted	FMB001 FMC001 FMM001 FMB003 FMC003 FMM003	OBD OEM elements

BLE Sensors I/O elements

Property ID in AVL packet	Property Name	Bytes	T ype	Value range		Multi plier	Units	Description	HW Suppo rt	Parameter Group
				Min	Max					

[illegible]

[illegible]

							FMBXX	
							X	
							FMB00	
							1	
							FMC00	
							1	
							FMB01	
							0	
							FMB00	
							2	
							FMB02	
							0	
							FMB00	
							3	
							FMB11	
							0	
							FMB12	
							0	
							FMB12	
							2	
							FMB12	
							5	
							FMU12	
							5	
							FMC12	
							5	
							FMB13	
							0	
							FMU13	
							0	
							FMC13	
							0	
							FMB14	
							0	
							FMB15	
							0	
							FMC15	
							0	
							FMM1	
							50	
							FMB90	
							0	
							FMB92	
							0	
							FMB91	
							0	
							FMB96	
							2	
							FMB96	
							4	
							FM300	
							1	
							FMB20	
							2	
							FMB20	
							4	
							FMB20	
							6	
							FMT10	
							0	
							MTB10	
							0	
							FMP10	
							0	
							FMB14	
							0	
							MSP50	
							0	
							FMC80	
							0	
							FMM8	
							00	
							FMM8	
							0A	

[illegible]

20	BLE Battery #2	1	Unsigned	0	100	-	%	Battery level of sensor #2	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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[illegible]

86	BLE Humidity #1	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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308	BLE Fuel Frequency #3	4	Unsigned	0	2147483647	-	-	Frequency value of BLE fuel sensor #3	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMT12 5 FMC12 5 FMB13 0 FMT13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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[illegible]

336	BLE Luminosity #2	2	Unsigned	0	0xFFFF	-	lx	Luminosity value of BLE sensor	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB12 5 FMC12 5 FMB13 0 FMB13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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337	BLE Luminosity #3	2	Unsigned	0	0xFFFF	-	lx	Luminosity value of BLE sensor	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB12 5 FMC12 5 FMB13 0 FMB13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
463	BLE 1 Custom #2	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									FMB14	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
464	BLE 1 Custom #3	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									FMB14	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
465	BLE 1 Custom #4	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									FMB14	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
466	BLE 1 Custom #5	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									FMB14	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
467	BLE 2 Custom #2	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
									0	
									FMB14	
									0	
									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
468	BLE 2 Custom #3	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
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									FMB20	
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									FMB20	
									4	
									FMB20	
									6	
									FMT10	
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									MTB10	
									0	
									FMP10	
									0	
									FMB14	
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									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
469	BLE 2 Custom #4	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
									0	
									MTB10	
									0	
									FMP10	
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									FMB14	
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									MSP50	
									0	
									FMC80	
									0	
									FMM8	
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									0A	

									FMBXX	
									X	
									FMB00	
									1	
									FMC00	
									1	
									FMB01	
									0	
									FMB00	
									2	
									FMB02	
									0	
									FMB00	
									3	
									FMB11	
									0	
									FMB12	
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									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
470	BLE 2 Custom #5	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
									2	
									FMB96	
									4	
									FM300	
									1	
									FMB20	
									2	
									FMB20	
									4	
									FMB20	
									6	
									FMT10	
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									MTB10	
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									FMP10	
									0	
									FMB14	
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									MSP50	
									0	
									FMC80	
									0	
									FMM8	
									00	
									FMM8	
									0A	

									FMBXX	
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									1	
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									FMB00	
									2	
									FMB02	
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									3	
									FMB11	
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									FMB12	
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									FMB12	
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									FMB12	
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									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
471	BLE 3 Custom #2	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
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									MSP50	
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									FMC80	
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									FMB00	
									2	
									FMB02	
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									FMB11	
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									FMB12	
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									FMB12	
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									FMB12	
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									FMU12	
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									FMC12	
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									FMB13	
									0	
									FMU13	
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									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
472	BLE 3 Custom #3	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
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									FMB92	
									0	
									FMB91	
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									MSP50	
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									FMC80	
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									FMC00	
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									2	
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									FMU13	
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									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
473	BLE 3 Custom #4	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
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									FMB96	
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									FMB96	
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									FMB20	
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									MTB10	
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									FMB14	
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									MSP50	
									0	
									FMC80	
									0	
									FMM8	
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									0A	

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									FMC00	
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									FMB01	
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									FMB00	
									2	
									FMB02	
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									FMB12	
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									FMB12	
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									FMB12	
									5	
									FMU12	
									5	
									FMC12	
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									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
474	BLE 3 Custom #5	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
									0	
									FMB96	
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									FMB96	
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									FM300	
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									FMB20	
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									6	
									FMT10	
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									MTB10	
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									MSP50	
									0	
									FMC80	
									0	
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									0A	

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									FMB12	
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									FMB12	
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									FMU12	
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									FMC12	
									5	
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									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
475	BLE 4 Custom #2	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
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									FMB96	
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									4	
									FM300	
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									FMB20	
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									6	
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									MTB10	
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									FMP10	
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									FMB14	
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									MSP50	
									0	
									FMC80	
									0	
									FMM8	
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									0A	

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									FMB00	
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									FMC00	
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									2	
									FMB02	
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									FMU12	
									5	
									FMC12	
									5	
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									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
476	BLE 4 Custom #3	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
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									FMB96	
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									4	
									FM300	
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									FMT10	
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									MTB10	
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									FMP10	
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									FMB14	
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									MSP50	
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									FMC80	
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									0A	

									FMBXX	
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									FMB01	
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									FMB00	
									2	
									FMB02	
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									FMB00	
									3	
									FMB11	
									0	
									FMB12	
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									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
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									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
477	BLE 4 Custom #4	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
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									FMB92	
									0	
									FMB91	
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									FMB96	
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									FM300	
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									MSP50	
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									FMC80	
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									0A	

									FMBXX	
									X	
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									FMC00	
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									FMB01	
									0	
									FMB00	
									2	
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									FMB11	
									0	
									FMB12	
									0	
									FMB12	
									2	
									FMB12	
									5	
									FMU12	
									5	
									FMC12	
									5	
									FMB13	
									0	
									FMU13	
									0	
									FMC13	
									0	
									FMB14	
									0	
									FMB15	
									0	
478	BLE 4 Custom #5	8	UNSIG NED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	FMC15	Bluetooth® Low Energy
									0	
									FMM1	
									50	
									FMB90	
									0	
									FMB92	
									0	
									FMB91	
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									FMB96	
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									FMB96	
									4	
									FM300	
									1	
									FMB20	
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									4	
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									6	
									FMT10	
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									MTB10	
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									FMP10	
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									FMB14	
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									MSP50	
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									FMC80	
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									FMM8	
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									FMM8	
									0A	

CAN adapters elements

[illegible]

862	DriveRight CarClosed	1	Unsigned	0	1	-	-	0 - Closed 1 - Open	FMRXXZ FMR115 FMR116 FMR117 FMR118 FMR119 FMR120 FMR121 FMR122 FMR123 FMR124 FMR125 FMR126 FMR127 FMR128 FMR129 FMR130	CAN Adapters
866	LVCAN Vehicle Range	4	Unsigned	0	4294967295	-	km	Information about vehicle range	FMRXXZ FMR131 FMR132 FMR133 FMR134 FMR135 FMR136 FMR137 FMR138 FMR139 FMR140	CAN Adapters
910	LVCAN SSF PostBrakeActivated	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR141 FMR142 FMR143 FMR144 FMR145 FMR146 FMR147 FMR148 FMR149	CAN Adapters
927	LVCAN SSF DriveActive	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR150 FMR151 FMR152 FMR153 FMR154 FMR155 FMR156 FMR157 FMR158	CAN Adapters
928	LVCAN CSF ParkingLightsOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR159 FMR160 FMR161 FMR162 FMR163 FMR164 FMR165 FMR166 FMR167	CAN Adapters
929	LVCAN CSF DippedHeadlightsOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR168 FMR169 FMR170 FMR171 FMR172 FMR173 FMR174 FMR175	CAN Adapters
930	LVCAN CSF FullBeamHeadlightsOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR176 FMR177 FMR178 FMR179 FMR180 FMR181 FMR182	CAN Adapters
931	LVCAN CSF RearFogLightsOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR183 FMR184 FMR185 FMR186 FMR187 FMR188	CAN Adapters
932	LVCAN CSF FrontFogLightsOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR189 FMR190 FMR191 FMR192 FMR193 FMR194	CAN Adapters
937	LVCAN CSF CruiseControlOn	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMRXXZ FMR195 FMR196 FMR197 FMR198 FMR199	CAN Adapters
1104	FMR130 Fuel Consumption	4	Unsigned	0	4294967295	10	l/100 km	Fuel consumption parameter	FMRXXZ FMR200 FMR201 FMR202 FMR203 FMR204 FMR205 FMR206 FMR207	LVCAN elements
1112	LVCAN HVBatteryPackVoltage	2	Unsigned	0	65535	-	V	HV battery pack voltage	FMRXXZ FMR208 FMR209 FMR210 FMR211 FMR212 FMR213	LVCAN elements
1113	LVCAN HVBatteryPackCurrent	2	Unsigned	0	65535	-	A	HV battery pack current	FMRXXZ FMR214 FMR215 FMR216 FMR217 FMR218	LVCAN elements
1136	FMCAN Control State Flags	8	HEX	0	00000000	-	-	FMCAN Control state flags	FMRXXZ FMR219	LVCAN elements
1137	FMCAN Steering Wheel Angle	2	Signed	-32768	32767	1	°	FMCAN Steering Wheel Angle	FMRXXZ FMR220	LVCAN elements
1155	LVCAN HV batt consumed energy	4	Unsigned	0	4294967295	1	MWh	Energy consumed from the HV battery	FMRXXZ FMR221	LVCAN elements
1156	LVCAN HV batt recoup energy	4	Unsigned	0	4294967295	1	MWh	Energy recuperated in the HV battery	FMRXXZ FMR222	LVCAN elements
1157	LVCAN HV batt power	2	Unsigned	0	65535	1	MWh	Power used from EV battery	FMRXXZ FMR223	LVCAN elements
1158	LVCAN engine oil pressure	2	Unsigned	0	65535	1	kPa	Engine oil pressure	FMRXXZ FMR224	LVCAN elements
1159	LVCAN engine oil level	1	Unsigned	0	100	1	%	Engine oil level	FMRXXZ FMR225	LVCAN elements
517	Security State Flags P4	8	HEX	0	00000000	-	-	Security state flags protocol 4, more information click here Link	FMRXXZ FMR226	ALLCAN300
518	Control State Flags P4	8	HEX	0	00000000	-	-	Security state flags protocol 4, more information click here Link	FMRXXZ FMR227	ALLCAN300