

FMB125 Teltonika Data Sending Parameters ID

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Document updated according firmware FMB.Ver.03.29.00 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		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
239	Ignition	1	Unsigned	0	1	-	-	0 - Ignition Off 1 - Ignition On	FMBXXX	Permanent I/O Elements
									FMB001	
									FMC001	
									FMB010	
									FMB002	
									FMB020	
									FMB003	
									FMB110	
									FMB120	
									FMB122	
									FMB125	
									FMB130	
									FMB140	
									FMB150	
									FMC150	
									FMM15	
									0	
									FMU125	
									FMB900	
									FMB920	
									FMB962	
									FMB964	
									FM3001	
									FMB202	
									FMB204	
									FMB206	
									FMT100	
									MTB100	
									FMP100	
									MSP500	
									FMC800	
									FMM80	
									0	
									FMM80	
									A	

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										FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	
21	GSM Signal	1	Unsigned	0	5	-	-	Value in range 1-5		Permanent I/O Elements	
200	Sleep Mode	1	Unsigned	0	4	-	-	0 - No Sleep 1 - GPS Sleep 2 - Deep Sleep 3 - Online Sleep 4 - Ultra Sleep		Permanent I/O Elements	

									FMBXXX	
									FMB001	
									FMC001	
									FMB010	
									FMB002	
									FMB020	
									FMB003	
									FMB110	
									FMB120	
									FMB122	
									FMB125	
									FMU125	
									FMB140	
									FMB150	
									FMC150	
									FMM15	
69	GNSS Status	1	Unsign ed	0	3	-	-	0 - GNSS OFF 1 - GNSS ON with fix 2 - GNSS ON without fix 3 - GNSS sleep	0	Permanent I/O Elements
									FMB900	
									FMB920	
									FMB962	
									FMB964	
									FM3001	
									FMB202	
									FMB204	
									FMB206	
									FMT100	
									MTB100	
									FMP100	
									MSP500	
									FMC800	
									FMM80	
									0	
									FMM80	
									A	
									FMBXXX	
									FMB001	
									FMC001	
									FMB010	
									FMB002	
									FMB020	
									FMB003	
									FMB110	
									FMB120	
									FMB122	
									FMB125	
									FMU125	
									FMB140	
									FMB150	
									FMC150	
									FMM15	
									0	
181	GNSS PDOP	2	Unsign ed	0	500	0.1		Coefficient, calculation formula	FMB900	Permanent I/O Elements
									FMB920	
									FMB962	
									FMB964	
									FM3001	
									FMB202	
									FMB204	
									FMB206	
									FMT100	
									MTB100	
									FMP100	
									MSP500	
									FMC800	
									FMM80	
									0	
									FMM80	
									A	

182	GNSS HDOP	2	Unsigned	0	500	0.1	Coefficient, calculation formula	FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU125 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	Permanent I/O Elements
66	External Voltage	2	Unsigned	0	65535	0.001	V Voltage	FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU125 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	Permanent I/O elements

										FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15	
24	Speed	2	Unsigned	0	350	-	km/h	GNSS Speed		0	Permanent I/O elements
										FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	
										FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15	
205	GSM Cell ID	2	Unsigned	0	65535	-	-	GSM base station ID		0	Permanent I/O elements
										FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	

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										FMBXXX FMB001 FMC001 FMB010 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMU130 FMC130 FMM13 0 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140 FMC800 FMM80 0 FMM80 A FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	
68	Battery Current	2	Unsigned	0	65535	0.001	A	Current		Permanent I/O elements	
241	Active GSM Operator	4	Unsigned	0	4294967295	-	-	Currently used GSM Operator code		Permanent I/O elements	

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										FMBXXX FMB001 FMC001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMU130 FMC130 FMM13 0 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FMB202 FMB204 FMB206 MTB100	
1	Digital Input 1	1	Unsigned	0	1	-	-	Logic: 0/1		Permanent I/O elements	

Index	Variable Name	Units	Encoding	Min	Max	Resolution	Frequency	Variable Description	Access	Comments
12	Fuel Used GPS		Unsigned	0	4294967295	0.001	1	Fuel Used	Permanent	I/O elements
13	Fuel Rate GPS		Unsigned	0	32767	0.01	1/100km	Average Fuel Use	Permanent	I/O elements

										FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A FMBXXX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	
17	Axis X	2	Signed	-8000	8000	-	mG	X axis value	Permanent I/O elements		
18	Axis Y	2	Signed	-8000	8000	-	mG	Y axis value	Permanent I/O elements		

									FMBXXX FMB001 EMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15	
19	Axis Z	2	Signed	-8000	8000	-	mG	Z axis value	0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	Permanent I/O elements
									FMBXXX FMB001 EMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMB140 FMB150 FMC150 FMM15	
11	ICCID1	8	Unsigned	0	0xffffffff ffffffff	-	-	Value of SIM ICCID, MSB	0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 MSP500 FMC800 FMM80 0 FMM80 A	Permanent I/O elements

										FMBXXX FMB001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 FMBXXX FMB900 FMB910 FMB920 FMC920 FMM92 0 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMU130 FMC130 FMM13 0 FMB140 FMB150 FMC150 FMM15 0 FMB202 FMB204 FMB206 FMB640 FMBXXX FMB110 FMB120 FMB122 FMB140 FMB150 FMC150 FMM15 0 FMB202 FMB204 FMB206 FMB640 FMBXXX FMB110 FMB120 FMB122 FMB130 FMU130 FMC130 FMM13 0 FMB140	Permanent I/O elements
10	SD Status	1	Unsigned	0	1	-	-	0 - not present 1 - present			
2	Digital Input 2	1	Unsigned	0	1	-	-	Logic: 0/1		Permanent I/O elements	
3	Digital Input 3	1	Unsigned	0	1	-	-	Logic: 0/1		Permanent I/O elements	
6	Analog Input 2	2	Unsigned	0	65535	0.001	V	Voltage		Permanent I/O elements	

180	Digital Output 2	1	Unsigned	0	1	-	-	Logic 0/1		FMBXXX FMB110 FMB120 FMB122 FMB130 FMU130 FMC130 FMM13 0 FMB140 FMB150 FMC150 FMM15 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements
72	Dallas Temperature 1	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		FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements
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		FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	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		FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements

								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	FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	
75	Dallas Temperature 4	4	Signed	-550	1150	0.1	°C		FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements
76	Dallas Temperature ID 1	8	Unsign ed	0	0xffffffff ffffffff	-	-	Dallas sensor ID	FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements
77	Dallas Temperature ID 2	8	Unsign ed	0	0xffffffff ffffffff	-	-	Dallas sensor ID	FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements
79	Dallas Temperature ID 3	8	Unsign ed	0	0xffffffff ffffffff	-	-	Dallas sensor ID	FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206	Permanent I/O elements

									FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5	
71	Dallas Temperature ID 4	8	Unsigned	0	0xffffffff ffffffff	-	-	Dallas sensor ID	FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMBXXX FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
78	iButton	8	Unsigned	0	0xffffffff ffffffff	-	-	iButton ID	FMB130 FMB140 FMB150 FMC150 FMM15 0 FMU130 FMC130 FMM13 0 FMB202 FMB204 FMB206 FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
207	RFID	8	Unsigned	0	0xffffffff ffffffff	-	-	RFID ID	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
201	LLS 1 Fuel Level	2	Signed	-4	32767	-	kvariants or ltr	Fuel level measured by LLS sensor via RS232/RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
202	LLS 1 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232/RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
203	LLS 2 Fuel Level	2	Signed	-4	32767	-	kvariants or ltr	Fuel level measured by LLS sensor via RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
204	LLS 2 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
210	LLS 3 Fuel Level	2	Unsigned	-4	32767	-	kvariants or ltr	Fuel level measured by LLS sensor via RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements
211	LLS 3 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	FMB125 FMU125 FMC125 FMM12 5	Permanent I/O elements

212	LLS 4 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS485	FMB125 FMB125 FMU125 FMC125 FMM125	Permanent I/O elements
213	LLS 4 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	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	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	FMB125 FMB125 FMU125 FMC125 FMM125	Permanent I/O elements
15	Eco Score	2	Unsigned	0	65535	0.01	-	Average amount of events on some distance	FMBXXX FMB001 FMC001 FMB010 FMB110 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 FMB800 FMM800 FMB800 FMM800 FMBXXX FMB001 FMC001 FMB010 FMB120 FMB122 FMB125 FMB130 FMB140 FMB150 FMC150 FMM150	Permanent I/O elements
113	Battery Level	1	Unsigned	0	100	-	%	Battery capacity level	FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 FMB800 FMM800 FMB800 FMM800	Permanent I/O elements

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263	BT Status	1	Unsigned	0	4	-	-	0 - BT is disabled 1 - BT Enabled, not device connected 2 - Device connected, BTv3 Only 3 - Device connected, BLE only 4 - Device connected, BLE + BT	FMBXXX FMB001 FMC001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 0 FMB140 FMB150 FMC150 FMM150 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 0 FMM80A FMBXXX FMB001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 5 FMB130 FMU130 FMC130 FMM130 0 FMB140 FMB150 FMC150 FMM150 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100	Permanent I/O elements
264	Barcode ID	Variable	ASCII	0	32	-	-	Barcode ID	FMBXXX FMB001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 5 FMB130 FMU130 FMC130 FMM130 0 FMB140 FMB150 FMC150 FMM150 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100	

										FMBXXX FMB001 FMC001 FMB010 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM12 5 FMB130 FMU130 FMC130 FMM13 0 FMB140 FMB150 FMC150 FMM15 0 FMB900 FMB920 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMB125 FMB125 FMU125 FMC125 FMM12 5 FMB125 FMB125 FMU125 FMC125 FMM12 5	
303	Instant Movement	1	Unsigned	0	1	-	-	Logic: 0/1 returns movement value		Permanent I/O elements	
327	UL202-02 Sensor Fuel level	2	Signed	-150	32767	0.1	mm	UL202-02 Sensor Fuel level		Permanent I/O elements	
483	UL202-02 Sensor Status	1	Unsigned	0	255	-	-	UL202-02 sensor status codes		Permanent I/O elements	
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	

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
FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910										Permanent I/O elements
10800	EYE Temperature 1	2	Signed	-32768	32767	0.01	°C	Temperature measured by EYE Sensor 1		

[Expand]

FMB010

FMB110

FMB122

FMB130

FMB920

FMB964

FM3010

FMB204

FMB207

MTB100

GH5200

FMB020

FMB003

FMU122

FMU126

FMC120

[FMC125](#)

FMM12

FMM13

FMC001

1
TFT100

FMB910

10802	EYE Temperature 3	2	Signed -32768 32767	0.01	°C	Temperature measured by EYE Sensor 3
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Permanent I/O
elements

Permanent I/O
elements

10808	EYE Magnet 1	1	Unsigned	0	1	-	-	Magnet measured by EYE Sensor by EYE Sensor 1	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10809	EYE Magnet 2	1	Unsigned	0	1	-	-	Magnet measured by EYE Sensor by EYE Sensor 2	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10810	EYE Magnet 3	1	Unsigned	0	1	-	-	Magnet measured by EYE Sensor by EYE Sensor 3	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10812	EYE Movement 1	2	Unsigned	0	0xFFFF	-	-	Movement state measure by EYE Sensor 1	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10813	EYE Movement 2	2	Unsigned	0	0xFFFF	-	-	Movement state measure by EYE Sensor 2	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10814	EYE Movement 3	2	Unsigned	0	0xFFFF	-	-	Movement state measure by EYE Sensor 3	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10815	EYE Movement 4	2	Unsigned	0	0xFFFF	-	-	Movement state measure by EYE Sensor 4	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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10842	EYE Magnet count 3	2	Unsigned	0	65535	-	-	Magnet trigger count measure by EYE Sensor 3	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910	Permanent I/O elements
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451	BLE RFID #1	8	HEX	0	0xffffffff ffffffff	-	-	BLE NBL-T RFID ID for Connexionless mode #1 slot	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMB208 FMB209 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM12 5 FMM13 0 FMC001 FMM00 1 TFT100 FMB910 FMP100 FMP1M 1 MSP500 FMC800 FMM80 0 FMC880 FMM88 0 FMM80 A	Permanent I/O elements
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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

622	Frequency DIN1	2	Unsigned	0	65535	0.1	Hz	Frequency of input signal present on DIN1	FMBXXX [Expand] FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMB208 FMB209 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMB003 FMU120 FMU122 FMU125 FMU126 FMU130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMC001 FMM001 TFT100 FMB910 EMP100 EMP1M1 MSP500 FMC800 FMM800 FMC880 FMM880 FMM80A	Permanent I/O elements
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										FMBXXX	
										[Expand]	
										FMB001	
										FMB010	
										FMB100	
										FMB110	
										FMB120	
										FMB122	
										FMB125	
										FMB130	
										FMB900	
										FMB920	
										FMB962	
										FMB964	
										FM3001	
										FM3010	
										FMB202	
										FMB204	
										FMB206	
										FMB207	
										FMB208	
										FMB209	
										FMT100	
										MTB100	
										TMT250	
										GH5200	
										FMB140	
										FMB020	
										FMB002	
623	Frequency DIN2	2	Unsigned	0	65535	0.1	Hz	Frequency of input signal present on DIN2	Permanent I/O elements	FMB003	
										FMU120	
										FMU122	
										FMU125	
										FMU126	
										FMU130	
										FMC120	
										FMC122	
										FMC125	
										FMC130	
										FMM125	
										FMM130	
										FMC001	
										FMM001	
										TFT100	
										FMB910	
										FMP100	
										FMP1M1	
										MSP500	
										FMC800	
										FMM800	
										FMC880	
										FMM880	
										FMM800	
										A	

Eventual I/O elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	SW Support	Parameter Group
				Min	Max					
155	Guidance zone 01	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over speeding road 3 - over speeding start	FMB001 FMB010 FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB900 FMB920 FMB962 FMB964 FM3001 FM3010 FMB202 FMB204 FMB206 FMB207 FMB208 FMB209 FMT100 MTB100 TMT250 GH5200 FMB140 FMB020 FMB002 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMC001 FMM001 TFT100 FMB910 FMP100 FMP1M1 MSP500 FMC800 FMM800 FMC880 FMM880 FMM80A	Eventual I/O elements

156	Confidence zone 02	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
157	Confidence zone 03	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
158	Confidence zone 04	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
159	Confidence zone 05	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
61	Confidence zone 06	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
62	Confidence zone 07	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
63	Confidence zone 08	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
64	Confidence zone 09	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements
65	Confidence zone 10	1	Unassigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	Eventual IO elements

FMHXXN 2460001	246-001
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[illegible]

[illegible]

228	Guidance zone 47	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over speeding end 3 - over speeding start	Eventual IO elements
229	Guidance zone 48	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over speeding end 3 - over speeding start	Eventual IO elements
230	Guidance zone 49	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over speeding end 3 - over speeding start	Eventual IO elements
231	Guidance zone 50	1	Unsigned	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over speeding end 3 - over speeding start	Eventual IO elements
175	Auto Guidance	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	Eventual IO elements
210	Trip	1	Unsigned	0	1	-	-	0 - trip stop 1 - trip start From 01.01.14 for version available with BT app new values: 2 - Business Status 3 - Private Status 4-9 - Custom Statuses	Eventual IO elements
255	Over Speeding	1	Unsigned	0	255	-	km/h	At over speeding start km/h, at over speeding end km/h	Eventual IO elements
217	Crash trace data	Variable	HEX	0	1200	-	-	Crash trace data	Eventual IO elements
285	Blood alcohol content	2	Unsigned	0	9999	-	-	Alcohol content in blood in perfumes and mode. First 14 bits from MSB are perfumes multiplied by 1000 and last to bits are 0 - Passive test; 1 Active test; 2 and 3 are reserved.	Eventual IO elements
231	Idling	1	Unsigned	0	1	-	-	0 - moving 1 - idling	Eventual IO elements

253	Green driving type	1	Unsigned	1	3	-	-	1 - harsh acceleration 2 - harsh braking 3 - harsh cornering	Eventual IO elements
246	Towing	1	Unsigned	0	1	-	-	0 - steady 1 - towing	Eventual IO elements
252	Uplug	1	Unsigned	0	1	-	-	0 - battery present 1 - battery unplugged	Eventual IO elements
247	Crash detection	1	Unsigned	1	6	-	-	1 - real crash detected (device is calibrated) 2 - limited crash trace (device not calibrated) 3 - limited crash trace (device is calibrated) 4 - full crash trace (device not calibrated) 5 - full crash trace (device is calibrated) 6 - real crash detected (device not calibrated)	Eventual IO elements
248	Immobilizer	1	Unsigned	0	2	-	-	0 - (device not connected) 1 - (device connected (tamabilliar)) 2 - (device connected (aftermarket wiring))	Eventual IO elements
254	Green Driving Value	1	Unsigned	0	255	acc and braking 0-01	Green or red	Depending on green driving type: if harsh acceleration or braking - g*100 (value 123 > 1.23g). If Green driving source is „GPS“ - harsh cornering value in rad*100. If source is „Accelerometer“ - g*100.	Eventual IO elements
249	Jumping	1	Unsigned	0	1	-	-	0 - jumping stop 1 - jumping start	Eventual IO elements
14	ICCID2	8	Unsigned	0	0xFFFFFFFFFFFF	-	-	Value of SIM ICCID, LSB	Eventual IO elements
243	Green driving event duration	2	Unsigned	0	65535	-	ms	Duration of event that did generate Green driving	Eventual IO elements
236	Alarm	1	Unsigned	0	1	-	-	0 - Reserved 1 - Alarm event occurred Element stores maximum accelerometer values in mg on all axis during Eeo driving event	Eventual IO elements
238	EeoMaximum	8	Unsigned	0	0xFFFFFFFFFFFFFF	-	-	8 Bytes 28 Zeros 28 - X axis 28 - Y axis 28 - Z axis	Eventual IO elements
239	EeoAverage	8	Unsigned	0	0xFFFFFFFFFFFFFF	-	-	Element stores average accelerometer values in mg on all axis during Eeo driving event	Eventual IO elements
260	EeoDuration	2	Unsigned	0	65535	-	ms	28 Bytes 28 Zeros 28 - X axis 28 - Y axis 28 - Z axis Duration of Eeo driving event in milliseconds	Eventual IO elements

283	Driving State	1	Unsigned	0	3	-	-	1 - Ignition ON 2 - Driving 3 - Ignition OFF	D37100	Eventual IO elements
284	Driving Records	2	Unsigned	0	65535	-	-	Number of Records between Ignition ON and Ignition OFF	D37200 D37300 D37400 D37500 D37600 D37700 D37800 D37900 D38000 D38100 D38200 D38300 D38400 D38500 D38600 D38700 D38800 D38900 D39000 D39100 D39200 D39300 D39400 D39500 D39600 D39700 D39800 D39900 D40000 D40100 D40200 D40300 D40400 D40500 D40600 D40700 D40800 D40900 D41000 D41100 D41200 D41300 D41400 D41500 D41600 D41700 D41800 D41900 D42000 D42100 D42200 D42300 D42400 D42500 D42600 D42700 D42800 D42900 D43000 D43100 D43200 D43300 D43400 D43500 D43600 D43700 D43800 D43900 D44000 D44100 D44200 D44300 D44400 D44500 D44600 D44700 D44800 D44900 D45000 D45100 D45200 D45300 D45400 D45500 D45600 D45700 D45800 D45900 D46000 D46100 D46200 D46300 D46400 D46500 D46600 D46700 D46800 D46900 D47000 D47100 D47200 D47300 D47400 D47500 D47600 D47700 D47800 D47900 D48000 D48100 D48200 D48300 D48400 D48500 D48600 D48700 D48800 D48900 D49000 D49100 D49200 D49300 D49400 D49500 D49600 D49700 D49800 D49900	Eventual IO elements
317	Crash event counter	1	Unsigned	0	255	-	-	Connects trace with specific eventual crash record	D49900 D50000 D50100 D50200 D50300 D50400 D50500 D50600 D50700 D50800 D50900 D51000 D51100 D51200 D51300 D51400 D51500 D51600 D51700 D51800 D51900 D52000 D52100 D52200 D52300 D52400 D52500 D52600 D52700 D52800 D52900 D53000 D53100 D53200 D53300 D53400 D53500 D53600 D53700 D53800 D53900 D54000 D54100 D54200 D54300 D54400 D54500 D54600 D54700 D54800 D54900 D55000 D55100 D55200 D55300 D55400 D55500 D55600 D55700 D55800 D55900 D56000 D56100 D56200 D56300 D56400 D56500 D56600 D56700 D56800 D56900 D57000 D57100 D57200 D57300 D57400 D57500 D57600 D57700 D57800 D57900 D58000 D58100 D58200 D58300 D58400 D58500 D58600 D58700 D58800 D58900 D59000 D59100 D59200 D59300 D59400 D59500 D59600 D59700 D59800 D59900	Eventual IO elements
318	CNSS jamming	1	Unsigned	0	2	-	-	CNSS jamming state: 0 - GPS jamming ended/healthy state 1 - GPS jamming warning state 2 - GPS jamming critical state	D59900 D60000 D60100 D60200 D60300 D60400 D60500 D60600 D60700 D60800 D60900 D61000 D61100 D61200 D61300 D61400 D61500 D61600 D61700 D61800 D61900 D62000 D62100 D62200 D62300 D62400 D62500 D62600 D62700 D62800 D62900 D63000 D63100 D63200 D63300 D63400 D63500 D63600 D63700 D63800 D63900 D64000 D64100 D64200 D64300 D64400 D64500 D64600 D64700 D64800 D64900 D65000 D65100 D65200 D65300 D65400 D65500 D65600 D65700 D65800 D65900 D66000 D66100 D66200 D66300 D66400 D66500 D66600 D66700 D66800 D66900 D67000 D67100 D67200 D67300 D67400 D67500 D67600 D67700 D67800 D67900 D68000 D68100 D68200 D68300 D68400 D68500 D68600 D68700 D68800 D68900 D69000 D69100 D69200 D69300 D69400 D69500 D69600 D69700 D69800 D69900	Eventual IO elements
391	Private mode	1	Unsigned	0	255	-	-	Private mode state: 0 - Private mode off 1 - Private mode on	D69900 D70000 D70100 D70200 D70300 D70400 D70500 D70600 D70700 D70800 D70900 D71000 D71100 D71200 D71300 D71400 D71500 D71600 D71700 D71800 D71900 D72000 D72100 D72200 D72300 D72400 D72500 D72600 D72700 D72800 D72900 D73000 D73100 D73200 D73300 D73400 D73500 D73600 D73700 D73800 D73900 D74000 D74100 D74200 D74300 D74400 D74500 D74600 D74700 D74800 D74900 D75000 D75100 D75200 D75300 D75400 D75500 D75600 D75700 D75800 D75900 D76000 D76100 D76200 D76300 D76400 D76500 D76600 D76700 D76800 D76900 D77000 D77100 D77200 D77300 D77400 D77500 D77600 D77700 D77800 D77900 D78000 D78100 D78200 D78300 D78400 D78500 D78600 D78700 D78800 D78900 D79000 D79100 D79200 D79300 D79400 D79500 D79600 D79700 D79800 D79900	Eventual IO elements
449	Ignition On Counter	4	Unsigned	0	2147483647	-	s	Duration in seconds which is counted while Ignition state is On	D79900 D80000 D80100 D80200 D80300 D80400 D80500 D80600 D80700 D80800 D80900 D81000 D81100 D81200 D81300 D81400 D81500 D81600 D81700 D81800 D81900 D82000 D82100 D82200 D82300 D82400 D82500 D82600 D82700 D82800 D82900 D83000 D83100 D83200 D83300 D83400 D83500 D83600 D83700 D83800 D83900 D84000 D84100 D84200 D84300 D84400 D84500 D84600 D84700 D84800 D84900 D85000 D85100 D85200 D85300 D85400 D85500 D85600 D85700 D85800 D85900 D86000 D86100 D86200 D86300 D86400 D86500 D86600 D86700 D86800 D86900 D87000 D87100 D87200 D87300 D87400 D87500 D87600 D87700 D87800 D87900 D88000 D88100 D88200 D88300 D88400 D88500 D88600 D88700 D88800 D88900 D89000 D89100 D89200 D89300 D89400 D89500 D89600 D89700 D89800 D89900	Eventual IO elements

OBD elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range MinMax	Multiplier	Units	Description	HW Support	Parameter Group
256	VIN	17	ASCII	00xff	-	-	VIN number	FMB0000 FMB0001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FMB001 FMT100 MTR100 FMB202 FMB204 FMB206 FMT100 MTR100 FMB140	OBD elements

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
30	Number of DTC	1	Unsigned	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 FMB125 FMC125 FMM125 FMB130 FMB130 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 FMB125 FMC125 FMM125 FMB130 FMB130 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 FMB125 FMC125 FMM125 FMB130 FMB130 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 FMB125 FMC125 FMM125 FMB130 FMB130 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	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	
51	Control Module Voltage	2	Unsigned	0	65535	0.001	V	Control module voltage	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	
52	Absolute Load Value	2	Unsigned	0	25700	-	%	Absolute load value	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	
								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		
759	Fuel Type	1	Unsigned	0	255	-	-		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 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	OBD elements
53	Ambient Air Temperature	1	Signed	-128	127	-	°C	Ambient air temperature			
54	Time Run With MIL On	2	Unsigned	0	65535	-	min	Time run with MIL on			
55	Time Since Codes Cleared	2	Unsigned	0	65535	-	min	Time since codes cleared			
56	Absolute Fuel Rail Pressure	2	Unsigned	0	65535	0.1	kPa	Absolute fuel rail pressure			

										FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 FMU130 FMC130 FMM130	
57	Hybrid battery pack life	1	Unsigned	0	100	-	%	Hybrid battery pack remaining life		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	
58	Engine Oil Temperature	1	Unsigned	0	215	-	°C	Engine oil 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	
59	Fuel injection timing	2	Signed	-21000	30200	0.01	°	Fuel injection timing		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	
540	Throttle position group	1	Unsigned	0	100	-	%	Throttle Position Value From PID Group		FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
										FMBXXX FMB001 FMC003 FMC00A FMM003 FMM00A	
541	Commanded Equivalence R	1	Unsigned	0	200	0.01	-	Fuel-Air Commanded Equivalence Ratio		FMBXXX FMB003 FMC003 FMC00A FMM003 FMM00A	OBD elements
										FMBXXX FMB001 FMB003 FMC003 FMC00A FMM003 FMM00A	
542	Intake MAP 2 bytes	2	Unsigned	0	2048	-	kPa	Intake Manifold Absolute Pressure		FMBXXX FMB001 FMB003 FMC003 FMC00A FMM003 FMM00A	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 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	OBD elements
543	Hybrid System Voltage	2	Unsigned	0	1024	-	V	Hybrid vehicle system voltage		OBD elements
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

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
402	OEM Distance Until Service	4	Unsigned	0	0xffffffff	-	km	Distance till next service received by requesting vehicle specific PID	FMB001	OBD OEM elements
									FMC001	
									FMM001	
									FMB003	
									FMC003	
410	OEM Battery charge state	1	Unsigned	0	1	-	-	0 - Not charging 1 - Charging	FMM003	OBD OEM elements
									FMC003	
									FMM003	
									FMB001	
									FMC001	
411	OEM Battery charge level	1	Unsigned	0	100	-	%	Represents battery charged level	FMM001	OBD OEM elements
									FMB003	
									FMC003	
									FMM003	
									FMB001	
412	OEM Battery power consumption	2	Unsigned	0	65535	-	kWh/100km	Represents battery power consumption	FMC001	OBD OEM elements
									FMM001	
									FMB003	
									FMC003	
									FMM003	
755	OEM Remaining distance	2	Unsigned	0	65535	-	km	Remaining distance until fuel tank empty or battery (EV) depleted	FMB001	OBD OEM elements
									FMC001	
									FMM001	
									FMB003	
									FMC003	
1151	OEM Battery State Of Health	2	Unsigned	0	65535	-	%	Battery State of Health	FMM003	OBD OEM elements
									FMC003	
									FMM003	
									FMB001	
									FMC001	
1152	OEM Battery Temperature	2	Signed	-32768	32767	-	°C	Battery pack temperature	FMM001	OBD OEM elements
									FMB003	
									FMC003	
									FMM003	
									FMB001	

BLE Sensors I/O elements

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

25	BLE Temperature #1	2	Signe d	-4000 12500 0.01* °C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing From firmware version 03.28.00 and up: 32767 - sensor not found 32766 - failed sensor data parsing 32765 - abnormal sensor state	FMBX XX FMB0 01 FMC0 01 FMB0 10 FMB0 02 FMB0 20 FMB0 03 FMB1 10 FMB1 20 FMB1 22 FMB1 25 FMU1 25 FMC1 25 FMB1 30 FMU1 30 FMC1 30 FMB1 40 FMB1 50 FMC1 50 FMM 150 FMB9 00 FMB9 20 FMB9 10 FMB9 62 FMB9 64 FM30 01 FMB2 02 FMB2 04 FMB2 06 FMT1 00 MTB1 00 FMP1 00 FMB1 40 MSP5 00 FMC8 00 FMM 800 FMM 80A	Bluetooth Low Energy
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26	BLE Temperature #2	2	Signe d	-4000 12500 0.01*	°C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing From firmware version 03.28.00 and up: 32767 - sensor not found 32766 - failed sensor data parsing 32765 - abnormal sensor state	FMBX XX FMB0 01 FMC0 01 FMB0 10 FMB0 02 FMB0 20 FMB0 03 FMB1 10 FMB1 20 FMB1 22 FMB1 25 FMU1 25 FMC1 25 FMB1 30 FMU1 30 FMC1 30 FMB1 40 FMB1 50 FMC1 50 FMM 150 FMB9 00 FMB9 20 FMB9 10 FMB9 62 FMB9 64 FM30 01 FMB2 02 FMB2 04 FMB2 06 FMT1 00 MTB1 00 FMP1 00 FMB1 40 MSP5 00 FMC8 00 FMM 800 FMM 80A	Bluetooth Low Energy
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27	BLE Temperature #3	2	Signe d	-4000 12500 0.01* °C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing From firmware version 03.28.00 and up: 32767 - sensor not found 32766 - failed sensor data parsing 32765 - abnormal sensor state	FMBX XX FMB0 01 FMC0 01 FMB0 10 FMB0 02 FMB0 20 FMB0 03 FMB1 10 FMB1 20 FMB1 22 FMB1 25 FMU1 25 FMC1 25 FMB1 30 FMU1 30 FMC1 30 FMB1 40 FMB1 50 FMC1 50 FMM 150 FMB9 00 FMB9 20 FMB9 10 FMB9 62 FMB9 64 FM30 01 FMB2 02 FMB2 04 FMB2 06 FMT1 00 MTB1 00 FMP1 00 FMB1 40 MSP5 00 FMC8 00 FMM 800 FMM 80A	Bluetooth Low Energy
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28	BLE Temperature #4	2	Signe d	-4000 12500 0.01* °C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing From firmware version 03.28.00 and up: 32767 - sensor not found 32766 - failed sensor data parsing 32765 - abnormal sensor state	FMBX XX FMB0 01 FMC0 01 FMB0 10 FMB0 02 FMB0 20 FMB0 03 FMB1 10 FMB1 20 FMB1 22 FMB1 25 FMU1 25 FMC1 25 FMB1 30 FMU1 30 FMC1 30 FMB1 40 FMB1 50 FMC1 50 FMM 150 FMB9 00 FMB9 20 FMB9 10 FMB9 62 FMB9 64 FM30 01 FMB2 02 FMB2 04 FMB2 06 FMT1 00 MTB1 00 FMP1 00 FMB1 40 MSP5 00 FMC8 00 FMM 800 FMM 80A	Bluetooth Low Energy
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[illegible]

20	BLE Battery #2	1	Unsigned	0	100	-	%	Battery level of sensor #2	FMBX XX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB910 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 FMB140 MSP500 FMC800 FMM800 FMM80A	Bluetooth Low Energy
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[illegible]

[illegible]

												FMBX XX		
												FMB001		
												FMC001		
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												FMU125		
												FMC125		
												FMB130		
												FMU130		
												FMC130		
												FMB140		
												FMB150		
												FMB900		
												FMB920		
												FMB910		
												FMB962		
												FMB964		
												FM3001		
												FMB202		
												FMB204		
												FMB206		
												FMT100		
												MTB100		
												FMP100		
												FMB140		
												MSP500		
												FMC800		
												FMM800		
												FMM80A		

[illegible]

									FMBX XX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB910 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 FMB140 MSP500 FMC800 FMM800 FMM80A	
469	BLE 2 Custom #4	4	UNSI GNED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	Bluetooth Low Energy	

									FMBX XX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB910 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 FMB140 MSP500 FMC800 FMM800 FMM80A	
473	BLE 3 Custom #4	4	UNSI GNED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	Bluetooth Low Energy	

									FMBX XX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB910 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 FMB140 MSP500 FMC800 FMM800 FMM80A	
475	BLE 4 Custom #2	4	UNSI GNED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	Bluetooth Low Energy	

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									FMBX XX FMB001 FMC001 FMB010 FMB002 FMB020 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMB130 FMU130 FMC130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB910 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMP100 FMB140 MSP500 FMC800 FMM800 FMM80A	
478	BLE 4 Custom #5	4	UNSI GNED LONG INT	0	42949 67295	-	-	Custom IO element for BLE sensor	Bluetooth Low Energy	

CAN adapters elements

[illegible]

112	AdBlue Level	2	Unsigned	0	65535	0.1	l	AdBlue level	FMBOXX 246810 246811 246812 246813 246814 246815 246816 246817 246818 246819 246820 246821 246822 246823 246824 246825 246826 246827 246828 246829 246830 246831 246832 246833 246834 246835 246836 246837 246838 246839 246840 246841 246842 246843 246844 246845 246846 246847 246848 246849 246850 246851 246852 246853 246854 246855 246856 246857 246858 246859 246860 246861 246862 246863 246864 246865 246866 246867 246868 246869 246870 246871 246872 246873 246874 246875 246876 246877 246878 246879 246880 246881 246882 246883 246884 246885 246886 246887 246888 246889 246890 246891 246892 246893 246894 246895 246896 246897 246898 246899 246900 246901 246902 246903 246904 246905 246906 246907 246908 246909 246910 246911 246912 246913 246914 246915 246916 246917 246918 246919 246920 246921 246922 246923 246924 246925 246926 246927 246928 246929 246930 246931 246932 246933 246934 246935 246936 246937 246938 246939 246940 246941 246942 246943 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247230 247231 247232 247233 247234 247235 247236 247237 247238 247239 247240 247241 247242 247243 247244 247245 247246 247247 247248 247249 247250 247251 247252 247253 247254 247255 247256 247257 247258 247259 247260 247261 247262 247263 247264 247265 247266 247267 247268 247269 247270 247271 247272 247273 247274 247275 247276 247277 247278 247279 247280 247281 247282 247283 247284 247285 247286 247287 247288 247289 247290 247291 247292 247293 247294 247295 247296 247297 247298 247299 247300 247301 247302 247303 247304 247305 247306 247307 247308 247309 247310 247311 247312 247313 247314 247315 247316 247317 247318 247319 247320 247321 247322 247323 247324 247325 247326 247327 247328 247329 247330 247331 247332 247333 247334 247335 247336 247337 247338 247339 247340 247341 247342 247343 247344 247345 247346 247347 247348 247349 247350 247351 247352 247353 247354 247355 247356 247357 247358 247359 247360 247361 247362 247363 247364 247365 247366 247367 247368 247369 247370 247371 247372 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247659 247660 247661 247662 247663 247664 247665 247666 247667 247668 247669 247670 247671 247672 247673 247674 247675 247676 247677 247678 247679 247680 247681 247682 247683 247684 247685 247686 247687 247688 247689 247690 247691 247692 247693 247694 247695 247696 247697 247698 247699 247700 247701 247702 247703 247704 247705 247706 247707 247708 247709 247710 247711 247712 247713 247714 247715 247716 247717 247718 247719 247720 247721 247722 247723 247724 247725 247726 247727 247728 247729 247730 247731 247732 247733 247734 247735 247736 247737 247738 247739 247740 247741 247742 247743 247744 247745 247746 247747 247748 247749 247750 247751 247752 247753 247754 247755 247756 247757 247758 247759 247760 247761 247762 247763 247764 247765 247766 247767 247768 247769 247770 247771 247772 247773 247774 247775 247776 247777 247778 247779 247780 247781 247782 247783 247784 247785 247786 247787 247788 247789 247790 247791 247792 247793 247794 247795 247796 247797 247798 247799 247800 247801 247802 247803 247804 247805 247806 247807 247808 247809 247810 247811 247812 247813 247814 247815 247816 247817 247818 247819 247820 247821 247822 247823 247824 247825 247826 247827 247828 247829 247830 247831 247832 247833 247834 247835 247836 247837 247838 247839 247840 247841 247842 247843 247844 247845 247846 247847 247848 247849 247850 247851 247852 247853 247854 247855 247856 247857 247858 247859 247860 247861 247862 247863 247864 247865 247866 247867 247868 247869 247870 247871 247872 247873 247874 247875 247876 247877 247878 247879 247880 247881 247882 247883 247884 247885 247886 247887 247888 247889 247890 247891 247892 247893 247894 247895 247896 247897 247898 247899 247900 247901 247902 247903 247904 247905 247906 247907 247908 247909 247910 247911 247912 247913 247914 247915 247916 247917 247918 247919 247920 247921 247922 247923 247924 247925 247926 247927 247928 247929 247930 247931 247932 247933 247934 247935 247936 247937 247938 247939 247940 247941 247942 247943 247944 247945 247946 247947 247948 247949 247950 247951 247952 247953 247954 247955 247956 247957 247958 247959 247960 247961 247962 247963 247964 247965 247966 247967 247968 247969 247970 247971 247972 247973 247974 247975 247976 247977 247978 247979 247980 247981 247982 247983 247984 247985 247986 247987 247988 247989 247990 247991 247992 247993 247994 247995 247996 247997 247998 247999 248000 248001 248002 248003 248004 248005 248006 248007 248008 248009 248010 248011 248012 248013 248014 248015 248016 248017 248018 248019 248020 248021 248022 248023 248024 248025 248026 248027 248028 248029 248030 248031 248032 248033 248034 248035 248036 248037 248038 248039 248040 248041 248042 248043 248044 248045 248046 248047 248048 248049 248050 248051 248052 248053 248054 248055 248056 248057 248058 248059 248060 248061 248062 248063 248064 248065 248066 248067 248068 248069 248070 248071 248072 248073 248074 248075 248076 248077 248078 248079 248080 248081 248082 248083 248084 248085 248086 248087 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248231 248232 248233 248234 248235 248236 248237 248238 248239 248240 248241 248242 248243 248244 248245 248246 248247 248248 248249 248250 248251 248252 248253 248254 248255 248256 248257 248258 248259 248260 248261 248262 248263 248264 248265 248266 248267 248268 248269 248270 248271 248272 248273 248274 248275 248276 248277 248278 248279 248280 248281 248282 248283 248284 248285 248286 248287 248288 248289 248290 248291 248292 248293 248294 248295 248296 248297 248298 248299 248300 248301 248302 248303 248304 248305 248306 248307 248308 248309 248310 248311 248312 248313 248314 248315 248316 248317 248318 248319 248320 248321 248322 248323 248324 248325 248326 248327 248328 248329 248330 248331 248332 248333 248334 248335 248336 248337 248338 248339 248340 248341 248342 248343 248344 248345 248346 248347 2483
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133	Tachograph Total Vehicle Distance	4	Unsigned	0	4294967295	-	m	Tacho Total Vehicle Distance	ALLCAN300
134	Trip Distance	4	Unsigned	0	4294967295	-	m	Trip distance	ALLCAN300
135	Tachograph Vehicle Speed	2	Unsigned	0	255	-	km/h	Tacho vehicle speed	ALLCAN300
136	Tacho Driver Card Presence	1	Unsigned	0	3	-	-	Tacho Driver Card Presence	ALLCAN300
137	Driver 1 Status	1	Unsigned	0	255	-	-	Driver 1 Status	ALLCAN300
138	Driver 2 Status	1	Unsigned	0	255	-	-	Driver 2 Status	ALLCAN300
139	Driver 1 Continuous Driving Time	2	Unsigned	0	65535	-	min.	Driver 1 Continuous Driving Time, minutes	ALLCAN300
140	Driver 2 Continuous Driving Time	2	Unsigned	0	65535	-	min.	Driver 2 Continuous Driving Time, minutes	ALLCAN300
141	Driver 1 Cumulative Break Time	2	Unsigned	0	65535	-	min.	Driver 1 Cumulative Break Time, minutes	ALLCAN300
142	Driver 2 Cumulative Break Time	2	Unsigned	0	65535	-	min.	Driver 2 Cumulative Break Time, minutes	ALLCAN300
143	Driver 1 Selected Activity Duration	2	Unsigned	0	65535	-	min.	Driver 1 Duration Of Selected Activity, minutes	ALLCAN300
144	Driver 2 Selected Activity Duration	2	Unsigned	0	65535	-	min.	Driver 2 Duration Of Selected Activity, minutes	ALLCAN300
145	Driver 1 Cumulative Driving Time	2	Unsigned	0	65535	-	min.	Driver 1 Cumulative Driving Time, minutes	ALLCAN300
146	Driver 2 Cumulative Driving Time	2	Unsigned	0	65535	-	min.	Driver 2 Cumulative Driving Time, minutes	ALLCAN300
147	Driver 1 ID High	8	Unsigned	0	0xFFFFFFFF	-	-	Driver 1 ID High	ALLCAN300
148	Driver 1 ID Low	8	Unsigned	0	0xFFFFFFFF	-	-	Driver 1 ID Low	ALLCAN300
149	Driver 2 ID High	8	Unsigned	0	0xFFFFFFFF	-	-	Driver 2 ID High	ALLCAN300
150	Driver 2 ID Low	8	Unsigned	0	0xFFFFFFFF	-	-	Driver 2 ID Low	ALLCAN300
151	Battery Temperature	2	Signed	400	1270	0.1	°C	Battery temperature in Celsius	ALLCAN300
152	HV Battery Level	1	Unsigned	0	100	-	%	Battery level in percent	ALLCAN300, CANCONTROL
160	DTC Faults	1	Unsigned	0	255	-	-	DTC Faults Count	ALLCAN300, CANCONTROL
161	Slope of Arm	2	Signed	-3276	3276	-	Degrees *	Slope Of Arm	ALLCAN300
162	Rotation of Arm	2	Signed	-180	180	-	Degrees *	Rotation Of Arm	ALLCAN300
163	Eject of Arm	2	Unsigned	0	6553	-	m	Eject of arm	ALLCAN300

164	Horizontal Distance Arm Vehicle	2	Unassigned	0	6553	-	m	Horizontal Distance Arm Vehicle	ALLCAN300
165	Height Arm Above Ground	2	Unassigned	0	6553	-	m	Height Arm Above Ground	ALLCAN300
166	Doll RPM	2	Unassigned	0	65535	-	rpm	Doll RPM	ALLCAN300
167	Amount Of Spread Salt Square Meter	2	Unassigned	0	655	-	g/m ²	Amount Of Spread Salt Square Meter	ALLCAN300
168	Battery Voltage	2	Unassigned	0	6553	-	V	Battery Voltage	ALLCAN300
169	Amount Of Spread Fine Grained Salt	4	Unassigned	0	1677722	-	T	Amount Of Spread Fine Grained Salt	ALLCAN300
170	Amount Of Coarse Grained Salt	4	Unassigned	0	1677722	-	T	Amount Of Coarse Grained Salt	ALLCAN300
171	Amount Of Spread Dbls	4	Unassigned	0	1677722	-	T	Amount Of Spread Dbls	ALLCAN300
172	Amount Of Spread Coarse Grained Calcium	4	Unassigned	0	1677722	-	m ³	Amount Of Spread Coarse Grained Calcium	ALLCAN300
173	Amount Of Spread Calcium Chloride	4	Unassigned	0	1677722	-	m ³	Amount Of Spread Calcium Chloride	ALLCAN300
174	Amount Of Spread Sodium Chloride	4	Unassigned	0	1677722	-	m ³	Amount Of Spread Sodium Chloride	ALLCAN300
176	Amount Of Spread Magnesium Chloride	4	Unassigned	0	1677722	-	m ³	Amount Of Spread Magnesium Chloride	ALLCAN300
177	Amount Of Spread Gravel	4	Unassigned	0	1677722	-	T	Amount Of Spread Gravel	ALLCAN300
178	Amount Of Spread Sand	4	Unassigned	0	1677722	-	T	Amount Of Spread Sand	ALLCAN300
183	Width Pouring Left	2	Unassigned	0	655	-	m	Width Pouring Left	ALLCAN300
184	Width Pouring Right	2	Unassigned	0	655	-	m	Width Pouring Right	ALLCAN300
185	Salt Spreader Working Hours	4	Unassigned	0	167722	-	h	Salt Spreader Working Hours	ALLCAN300
186	Distance During Salting	4	Unassigned	0	167722	-	km	Distance During Salting	ALLCAN300
187	Load Weight	4	Unassigned	0	16772215	-	kg	Load Weight	ALLCAN300
188	Retarder Load	1	Unassigned	0	130	-	%	Retarder Load in percent	ALLCAN300
189	Cruise Time	4	Unassigned	0	16772215	-	min	Cruise time in minutes	ALLCAN300
232	CNG Status	1	Unassigned	0	1	-	-	CNG Status	LUCAN200, CANCONTROL
233	CNG Used	4	Unassigned	0	16772215	-	kg	CNG used	LUCAN200, CANCONTROL

234	CNG Level	1	Unsigned	0	100	-	%	CNG Level	FMI00XX FMI001 FMI002 FMI003 FMI004 FMI005 FMI006 FMI007 FMI008 FMI009 FMI010 FMI011 FMI012 FMI013 FMI014 FMI015 FMI016 FMI017 FMI018 FMI019 FMI020	LVCAN200, CANCONTROL
235	Oil Level	1	Unsigned	0	1	-	-	Engine Oil Level Indicator Status	FMI00XX FMI021 FMI022 FMI023 FMI024 FMI025 FMI026 FMI027 FMI028 FMI029 FMI030	ALLCAN300, CANCONTROL
304	Vehicles Range On Battery	4	Unsigned	0	16771215	-	m	Vehicle Range on Battery	FMI00XX FMI031 FMI032 FMI033 FMI034 FMI035 FMI036 FMI037 FMI038 FMI039 FMI040	ALLCAN300, CANCONTROL
305	Vehicles Range On Additional Fuel	4	Unsigned	0	16771215	-	m	Vehicle Range On Additional Fuel	FMI00XX FMI041 FMI042 FMI043 FMI044 FMI045 FMI046 FMI047 FMI048 FMI049	ALLCAN300, CANCONTROL
325	VIN	17	ASCII	0	0aFF	-	-	VIN number	FMI00XX FMI050 FMI051 FMI052 FMI053 FMI054 FMI055 FMI056 FMI057 FMI058 FMI059 FMI060	CANCONTROL
282	Fault Codes	Variable	-	0	128	-	-	DTC Fault codes	FMI00XX FMI061 FMI062 FMI063 FMI064 FMI065 FMI066 FMI067 FMI068 FMI069	LV-CAN200 + DTC
517	Security State Flags P4	8	HEX	0	0a000000	-	-	Security state flags protocol 4, more information click here Link	FMI00XX FMI070	ALLCAN300
518	Control State Flags P4	8	HEX	0	0a000000	-	-	Control state flags protocol 4, more information click here Link	FMI00XX FMI071	ALLCAN300
519	Indicator State Flags P4	8	HEX	0	0a000000	-	-	Indicator state flags protocol 4, more information click here Link	FMI00XX FMI072	ALLCAN300
520	Agricultural State Flags P4	8	HEX	0	0a000000	-	-	Agricultural state flags protocol 4, more information click here Link	FMI00XX FMI073	ALLCAN300
521	Utility State Flags P4	8	HEX	0	0a000000	-	-	Utility state flags protocol 4, more information click here Link	FMI00XX FMI074	ALLCAN300
522	Custom State Flags P4	8	HEX	0	0a000000	-	-	Custom state flags protocol 4, more information click here Link	FMI00XX FMI075	ALLCAN300
855	LNG Used	4	Unsigned	0	214748364	-	kg	Total LNG used in kilograms	FMI00XX FMI076	ALLCAN300, CANCONTROL
856	LNG Used (converted)	4	Unsigned	0	214748364	-	kg	Total LNG used converted in kg	FMI00XX FMI077	ALLCAN300, CANCONTROL
857	LNG Level	2	Unsigned	0	100	-	%	LNG level in perc	FMI00XX FMI078	ALLCAN300, CANCONTROL
858	LNG Level	2	Unsigned	0	6535	-	kg	LNG level in kg	FMI00XX FMI079	ALLCAN300, CANCONTROL
1100	Total LPG Used	4	Unsigned	0	4294967295	-	l	Total LPG used in liters	FMI00XX FMI080	LVCAN
1101	Total LPG Used Counted	4	Unsigned	0	4294967295	-	l	Total LPG used counted in liters	FMI00XX FMI081	LVCAN
1102	LPG Level Prec	2	Unsigned	0	6535	-	%	LPG level in perc	FMI00XX FMI082	LVCAN
1103	LPG Level Liters	2	Unsigned	0	6535	-	l	LPG level in liters	FMI00XX FMI083	LVCAN
898	SSF Ignition	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI084 FMI085 FMI086 FMI087 FMI088 FMI089 FMI090	LVCAN, ALLCAN300, CANCONTROL
652	SSF KeyIgnitionLock	1	Unsigned	0	1	-	-	0 - No key in lock 1 - Key in lock	FMI00XX FMI091 FMI092 FMI093 FMI094 FMI095 FMI096 FMI097	ALLCAN300, CANCONTROL
899	SSF Wheelste	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI098 FMI099 FMI100 FMI101 FMI102 FMI103	ALLCAN300
900	SSF Engine Working	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI104 FMI105 FMI106 FMI107 FMI108 FMI109	ALLCAN300, CANCONTROL
901	SSF Standalone Engine	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI110 FMI111 FMI112 FMI113	ALLCAN300
902	SSF Ready To Drive	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI114 FMI115 FMI116 FMI117 FMI118	ALLCAN300, CANCONTROL
903	SSF Engine Working On CNG	1	Unsigned	0	1	-	-	0 - No 1 - Yes	FMI00XX FMI119 FMI120 FMI121 FMI122	ALLCAN300, CANCONTROL
904	SSF Work Mode	1	Unsigned	0	1	-	-	0 - Private 1 - Company	FMI00XX FMI123 FMI124 FMI125 FMI126	ALLCAN300
905	SSF Operator	1	Unsigned	0	1	-	-	0 - Not present 1 - Present	FMI00XX FMI127 FMI128 FMI129 FMI130	ALLCAN300
906	SSF Interlock	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMI00XX FMI131 FMI132 FMI133 FMI134	ALLCAN300
907	SSF Engine Lock Active	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMI00XX FMI135 FMI136 FMI137 FMI138	CANCONTROL
908	SSF Request To Lock Engine	1	Unsigned	0	1	-	-	0 - Off 1 - On	FMI00XX FMI139 FMI140 FMI141 FMI142	CANCONTROL
653	SSF Handbrake Is Active	1	Unsigned	0	1	-	-	0 - Handbrake inactive 1 - Handbrake active	FMI00XX FMI143 FMI144 FMI145 FMI146	ALLCAN300, CANCONTROL
910	SSF Footbrake Is Active	1	Unsigned	0	1	-	-	0 - Footbrake inactive 1 - Footbrake active	FMI00XX FMI147 FMI148 FMI149 FMI150	ALLCAN300, CANCONTROL
911	SSF Clutch Pushed	1	Unsigned	0	1	-	-	0 - Clutch is pushed 1 - Clutch is not pushed	FMI00XX FMI151 FMI152 FMI153 FMI154	ALLCAN300, CANCONTROL
912	SSF Hazard Warning Lights	1	Unsigned	0	1	-	-	0 - Hazard warning lights on 1 - Hazard warning lights off	FMI00XX FMI155 FMI156 FMI157 FMI158	ALLCAN300, CANCONTROL

971	ISF FAP Indicator	1	Unassigned	0	1	-	-	0 - Off 1 - On	PMHXXY Page 10 256-100 256-101 256-102 256-103 256-104 256-105 256-106 256-107 256-108 256-109 256-110 256-111 256-112 256-113 256-114 256-115 256-116 256-117 256-118 256-119 256-120 256-121 256-122 256-123 256-124 256-125 256-126 256-127 256-128 256-129 256-130 256-131 256-132 256-133 256-134 256-135 256-136 256-137 256-138 256-139 256-140 256-141 256-142 256-143 256-144 256-145 256-146 256-147 256-148 256-149 256-150 256-151 256-152 256-153 256-154 256-155 256-156 256-157 256-158 256-159 256-160 256-161 256-162 256-163 256-164 256-165 256-166 256-167 256-168 256-169 256-170 256-171 256-172 256-173 256-174 256-175 256-176 256-177 256-178 256-179 256-180 256-181 256-182 256-183 256-184 256-185 256-186 256-187 256-188 256-189 256-190 256-191 256-192 256-193 256-194 256-195 256-196 256-197 256-198 256-199 256-200 256-201 256-202 256-203 256-204 256-205 256-206 256-207 256-208 256-209 256-210 256-211 256-212 256-213 256-214 256-215 256-216 256-217 256-218 256-219 256-220 256-221 256-222 256-223 256-224 256-225 256-226 256-227 256-228 256-229 256-230 256-231 256-232 256-233 256-234 256-235 256-236 256-237 256-238 256-239 256-240 256-241 256-242 256-243 256-244 256-245 256-246 256-247 256-248 256-249 256-250 256-251 256-252 256-253 256-254 256-255 256-256 256-257 256-258 256-259 256-260 256-261 256-262 256-263 256-264 256-265 256-266 256-267 256-268 256-269 256-270 256-271 256-272 256-273 256-274 256-275 256-276 256-277 256-278 256-279 256-280 256-281 256-282 256-283 256-284 256-285 256-286 256-287 256-288 256-289 256-290 256-291 256-292 256-293 256-294 256-295 256-296 256-297 256-298 256-299 256-300 256-301 256-302 256-303 256-304 256-305 256-306 256-307 256-308 256-309 256-310 256-311 256-312 256-313 256-314 256-315 256-316 256-317 256-318 256-319 256-320 256-321 256-322 256-323 256-324 256-325 256-326 256-327 256-328 256-329 256-330 256-331 256-332 256-333 256-334 256-335 256-336 256-337 256-338 256-339 256-340 256-341 256-342 256-343 256-344 256-345 256-346 256-347 256-348 256-349 256-350 256-351 256-352 256-353 256-354 256-355 256-356 256-357 256-358 256-359 256-360 256-361 256-362 256-363 256-364 256-365 256-366 256-367 256-368 256-369 256-370 256-371 256-372 256-373 256-374 256-375 256-376 256-377 256-378 256-379 256-380 256-381 256-382 256-383 256-384 256-385 256-386 256-387 256-388 256-389 256-390 256-391 256-392 256-393 256-394 256-395 256-396 256-397 256-398 256-399 256-400 256-401 256-402 256-403 256-404 256-405 256-406 256-407 256-408 256-409 256-410 256-411 256-412 256-413 256-414 256-415 256-416 256-417 256-418 256-419 256-420 256-421 256-422 256-423 256-424 256-425 256-426 256-427 256-428 256-429 256-430 256-431 256-432 256-433 256-434 256-435 256-436 256-437 256-438 256-439 256-440 256-441 256-442 256-443 256-444 256-445 256-446 256-447 256-448 256-449 256-450 256-451 256-452 256-453 256-454 256-455 256-456 256-457 256-458 256-459 256-460 256-461 256-462 256-463 256-464 256-465 256-466 256-467 256-468 256-469 256-470 256-471 256-472 256-473 256-474 256-475 256-476 256-477 256-478 256-479 256-480 256-481 256-482 256-483 256-484 256-485 256-486 256-487 256-488 256-489 256-490 256-491 256-492 256-493 256-494 256-495 256-496 256-497 256-498 256-499 256-500 256-501 256-502 256-503 256-504 256-505 256-506 256-507 256-508 256-509 256-510 256-511 256-512 256-513 256-514 256-515 256-516 256-517 256-518 256-519 256-520 256-521 256-522 256-523 256-524 256-525 256-526 256-527 256-528 256-529 256-530 256-531 256-532 256-533 256-534 256-535 256-536 256-537 256-538 256-539 256-540 256-541 256-542 256-543 256-544 256-545
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[illegible]

1019	ASF Unloader Drive	1	Unassigned	0	1	-	-	0 - Off 1 - On	PM80XX 106011 106012 106013 106014 106015 106016 106017 106018 106019 106020 106021 106022 106023 106024 106025 106026 106027 106028 106029 106030 106031 106032 106033 106034 106035 106036 106037 106038 106039 106040 106041 106042 106043 106044 106045 106046 106047 106048 106049 106050 106051 106052 106053 106054 106055 106056 106057 106058 106059 106060 106061 106062 106063 106064 106065 106066 106067 106068 106069 106070 106071 106072 106073 106074 106075 106076 106077 106078 106079 106080 106081 106082 106083 106084 106085 106086 106087 106088 106089 106090 106091 106092 106093 106094 106095 106096 106097 106098 106099 106100 106101 106102 106103 106104 106105 106106 106107 106108 106109 106110 106111 106112 106113 106114 106115 106116 106117 106118 106119 106120 106121 106122 106123 106124 106125 106126 106127 106128 106129 106130 106131 106132 106133 106134 106135 106136 106137 106138 106139 106140 106141 106142 106143 106144 106145 106146 106147 106148 106149 106150 106151 106152 106153 106154 106155 106156 106157 106158 106159 106160 106161 106162 106163 106164 106165 106166 106167 106168 106169 106170 106171 106172 106173 106174 106175 106176 106177 106178 106179 106180 106181 106182 106183 106184 106185 106186 106187 106188 106189 106190 106191 106192 106193 106194 106195 106196 106197 106198 106199 106200 106201 106202 106203 106204 106205 106206 106207 106208 106209 106210 106211 106212 106213 106214 106215 106216 106217 106218 106219 106220 106221 106222 106223 106224 106225 106226 106227 106228 106229 106230 106231 106232 106233 106234 106235 106236 106237 106238 106239 106240 106241 106242 106243 106244 106245 106246 106247 106248 106249 106250 106251 106252 106253 106254 106255 106256 106257 106258 106259 106260 106261 106262 106263 106264 106265 106266 106267 106268 106269 106270 106271	ALLCAN000
1020	ASF Cleaning Fan Control Turned Off	1	Unassigned	0	1	-	-	0 - No 1 - Yes	PM80XX 106011 106012 106013 106014 106015 106016 106017 106018 106019 106020 106021 106022 106023 106024 106025 106026 106027 106028 106029 106030 106031 106032 106033 106034 106035 106036 106037 106038 106039 106040 106041 106042 106043 106044 106045 106046 106047 106048 106049 106050 106051 106052 106053 106054 106055 106056 106057 106058 106059 106060 106061 106062 106063 106064 106065 106066 106067 106068 106069 106070 106071 106072 106073 106074 106075 106076 106077 106078 106079 106080 106081 106082 106083 106084 106085 106086 106087 106088 106089 106090 106091 106092 106093 106094 106095 106096 106097 106098 106099 106100 106101 106102 106103 106104 106105 106106 106107 106108 106109 106110 106111 106112 106113 106114 106115 106116 106117 106118 106119 106120 106121 106122 106123 106124 106125 106126 106127 106128 106129 106130 106131 106132 106133 106134 106135 106136 106137 106138 106139 106140 106141 106142 106143 106144 106145 106146 106147 106148 106149 106150 106151 106152 106153 106154 106155 106156 106157 106158 106159 106160 106161 106162 106163 106164 106165 106166 106167 106168 106169 106170 106171 106172 106173 106174 106175 106176 106177 106178 106179 106180 106181 106182 106183 106184 106185 106186 106187 106188 106189 106190 106191 106192 106193 106194 106195 106196 106197 106198 106199 106200 106201 106202 106203 106204 106205 106206 106207 106208 106209 106210 106211 106212 106213 106214 106215 106216 106217 106218 106219 106220 106221 106222 106223 106224 106225 106226 106227 106228 106229 106230 106231 106232 106233 106234 106235 106236 106237 106238 106239 106240 106241 106242 106243 106244 106245 106246 106247 106248 106249 106250 106251 106252 106253 106254 106255 106256 106257 106258 106259 106260 106261 106262 106263 106264 106265 106266 106267 106268 106269 106270 106271	ALLCAN000
1021	ASF Threshing Drum Control Turned Off	1	Unassigned	0	1	-	-	0 - No 1 - Yes	PM80XX 106011 106012 106013 106014 106015 106016 106017 106018 106019 106020 106021 106022 106023 106024 106025 106026 106027 106028 106029 106030 106031 106032 106033 106034 106035 106036 106037 106038 106039 106040 106041 106042 106043 106044 106045 106046 106047 106048 106049 106050 106051 106052 106053 106054 106055 106056 106057 106058 106059 106060 106061 106062 106063 106064 106065 106066 106067 106068 106069 106070 106071 106072 106073 106074 106075 106076 106077 106078 106079 106080 106081 106082 106083 106084 106085 106086 106087 106088 106089 106090 106091 106092 106093 106094 106095 106096 106097 106098 106099 106100 106101 106102 106103 106104 106105 106106 106107 106108 106109 106110 106111 106112 106113 106114 106115 106116 106117 106118 106119 106120 106121 106122 106123 106124 106125 106126 106127 106128 106129 106130 106131 106132 106133 106134 106135 106136 106137 106138 106139 106140 106141 106142 106143 106144 106145 106146 106147 106148 106149 106150 106151 106152 106153 106154 106155 106156 106157 106158 106159 106160 106161 106162 106163 106164 106165 106166 106167 106168 106169 106170 106171 106172 106173 106174 106175 106176 106177 106178 106179 106180 106181 106182 106183 106184 106185 106186 106187 106188 106189 106190 106191 106192 106193 106194 106195 106196 106197 106198 106199 106200 106201 106202 106203 106204 106205 106206 106207 106208 106209 106210 106211 106212 106213 106214 106215 106216 106217 106218 106219 106220 106221 106222 106223 106224 106225 106226 106227 106228 106229 106230 106231 106232 106233 106234 106235 106236 106237 106238 106239 106240 106241 106242 106243 106244 106245 106246 106247 106248 106249 106250 106251 106252 106253 106254 106255 106256 106257 106258 106259 106260 106261 106262 106263 106264 106265 106266 106267 106268 106269 106270 106271	ALLCAN000
1022	ASF Straw Walker is Chopped	1	Unassigned	0	1	-	-	0 - No 1 - Yes	PM80XX 106011 106012 106013 106014 106015 106016 106017 106018 106019 106020 106021 106022 106023 106024 106025 106026 106027 106028 106029 106030 106031 106032 106033 106034 106035 106036 106037 106038 106039 106040 106041 106042 106043 106044 106045 106046 106047 106048 106049 106050 106051 106052 106053 106054 106055 106056 106057 106058 106059 106060 106061 106062 106063 106064 106065 106066 106067 106068 106069 106070 106071 106072 106073 106074 106075 106076 106077 106078 106079 106080 106081 106082 106083 106084 106085 106086 106087</	

Item ID	Item Name	Quantity	Unit	Material	Part Number	Manufacturer	Notes	Comments	Location
1004	ASF Section 5 Spraying	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1005	ASF Section 6 Spraying	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1006	ASF Section 7 Spraying	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1007	ASF Section 8 Spraying	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1008	ASF Section 9 Spraying	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1009	USF Spreading	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1010	USF Paving Chemicals	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1011	USF Conveyor Belt	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1012	USF Salt Spreader's Drive Wheel	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1013	USF Brushes	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1014	USF Vacuum Cleaner	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1015	USF Water Supply	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1016	USF Spreading	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1017	USF Liquid pump	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1018	USF Unloading From The Hopper	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1019	USF Low Salt (Sand) Level in Container Indicator	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1020	USF Low Water Level in Container Indicator	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1021	USF Chemicals	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1022	USF Compressor	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1023	USF Water Valve is Opened	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1024	USF Cabin Moved Up Status Active	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1025	USF Cabin Moved Down Status Active	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1026	USF Hydraulics Work Not Permitted	1	Unsprayed	0	1	-	0 - OE 1 - On		ALLCAN000
1027	OSF Section 1 Presence Of Fluid In The Downpipe	1	Unsprayed	0	1	-	0 - No pressure 1 - Present		ALLCAN000

[illegible]

430	CNG Level Kg	2	Unsigned	0	65535	10	Kg	CNG Level Kg (appears only if CNG level percentage is not available)	CAN adapters
839	Distance from need of service	4	Unsigned	0	4294967295	-	km	Service - distance elapsed since the occurrence of the need for servicing	CAN adapters
840	Distance from last service	4	Unsigned	0	4294967295	-	km	Service - distance from the last service	CAN adapters
861	Time to next service	2	Unsigned	0	65535	-	day	Service - time to next service	CAN adapters
862	Time from need of service	2	Unsigned	0	65535	-	day	Service - time elapsed since the occurrence of the need for servicing	CAN adapters
863	Time from last service	2	Unsigned	0	65535	-	day	Service - time elapsed since the last service	CAN adapters
864	Distance to next oil service	4	Unsigned	0	4294967295	-	km	Service - distance to next oil service	CAN adapters
865	Time to next oil service	2	Unsigned	0	65535	-	day	Service - time to next oil service	CAN adapters
866	LVCAN Vehicle Range	4	Unsigned	0	4294967295	-	km	Information about vehicle range	CAN adapters
867	LVCAN Total CNG counted	4	Unsigned	0	65535	-	kg	Information about Total CNG used in counted mode	CAN adapters
1079	Total Bule Count	4	Unsigned	0	0aFFFFFF	-	-	Total Bule Count	CAN adapters
1080	Bule Count	4	Unsigned	0	0aFFFFFF	-	-	Bule Count	CAN adapters
1081	Cut Bule Count	4	Unsigned	0	0aFFFFFF	-	-	Cut Bule Count	CAN adapters
1082	Bule Slices	4	Unsigned	0	0aFFFFFF	-	-	Bule Slices	CAN adapters
1116	LVCAN MaxRoadSpeed	1	Unsigned	0	255	-	km/h	Maximum speed from road signs	CAN adapters
1117	LVCAN ExceededRoadSpeed	1	Unsigned	0	255	-	km/h	Exceeded speed from road signs	CAN adapters
1205	LVCAN RSP SpeedLimitSign	1	Unsigned	0	1	-	-	Information if road sign "Speed limit with value" is recognized/cancelled	CAN adapters
1206	LVCAN RSP EndOfSpeedLimitSign	1	Unsigned	0	1	-	-	Information if road sign "End of speed limit with value" is recognized/cancelled	CAN adapters
1207	LVCAN RSP SpeedExceeded	1	Unsigned	0	1	-	-	Information if speed is exceeded indicated by road sign "Speed limit with value"	CAN adapters
1208	LVCAN RSP TimeOfSpeedLimitSign	1	Unsigned	0	1	-	-	Information if road sign "Conditional time-specific speed limit with value" is recognized/cancelled	CAN adapters
1209	LVCAN RSP WthrSpeedLimitSign	1	Unsigned	0	1	-	-	Information if road sign "Speed limit with value due to weather conditions" is recognized/cancelled	CAN adapters