

FMC150 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		Multiplier	Units	Description	HW Support	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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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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68	Battery Current	2	Unsigned	0	65535	0.001	A	Current	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMB14 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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1	Digital Input 1	1	Unsigned	0	1	-	-	Logic: 0/1	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 FMM1 30 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FMB20 2 FMB20 4 FMB20 6 MTB10 0	Permanent I/O elements
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179	Digital Output 1	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FMB20 2 FMB20 4 FMB20 6 MTB10 0	Permanent I/O elements
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12	Fuel Used GPS	4	Unsigned	0	4294967295	0.001	1	Fuel Used	FMBXX X FMB001 FMC001 FMB010 FMB110 FMB120 FMB122 FMB125 FMB125 FMC125 FMM125 FMB130 FMB130 FMC130 FMM130 FMB140 FMB900 FMB920 FMB962 FMB964 FMB3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 FMM80A	Permanent I/O elements
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13	Fuel Rate GPS	2	Unsigned	0	32767	0.01	l/100km	Average Fuel Use	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 FMM1 30 FMB14 0 FMB90 0 FMB92 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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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

									FMBXX X FMB90 0 FMB91 0 FMB92 0 FMC92 0 FMM9 20 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB20 2 FMB20 4 FMB20 6 FMB64 0 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB20 2 FMB20 4 FMB20 6 FMB64 0	
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

[illegible]

[illegible]

[illegible]

[illegible]

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	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	FMC125 FMM125 FMBXX X 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 FMM80A	Permanent I/O elements
15	Eco Score	2	Unsign ed	0	65535	0.01	-	Average amount of events on some distance	FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB960 FMB962 FMB964 FM3001 FMB202 FMB204 FMB206 FMT100 MTB100 FMC800 FMM800 FMM80A	Permanent I/O elements

238	User ID	8	Unsigned	0	0xffffffff	-	-	MAC address of NMEA receiver device connected via Bluetooth®	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		

									FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMU13 0 FMC13 0 FMM1 30	
4	Pulse Counter Din1	4	Unsign ed	0	42949 67295	-	-	Counts pulses, count is reset when records are saved	Permanent I/O elements	
									FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30	
5	Pulse Counter Din2	4	Unsign ed	0	42949 67295	-	-	Counts pulses, count is reset when records are saved	Permanent I/O elements	
									FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30	

Index	Variable	Value	Unit	Min	Max	Step	Flags	Description	Access	Comments
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	Permanent I/O elements	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 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 FMC80 0 FMM8 00 FMM8 0A

										FMBXX X FMB001 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 FMB125 FMB125 FMU125 FMC125 FMM125 FMB125 FMB125 FMU125 FMC125 FMM125 FMB125 FMB125 FMU125 FMC125 FMM125	
264	Barcode ID	Variable	ASCII	0	32	-	-	Barcode ID		Permanent I/O elements	
269	Escort LLS Temperature #1	2	Signed	-128	127	-	°C	Fuel temperature		Permanent I/O elements	
270	Escort LLS Fuel level #1	2	Unsigned	0	65535	-	-	Fuel Level		Permanent I/O elements	
271	Escort LLS Battery Voltage #1	2	Unsigned	0	65535	0.01	V	Battery Voltage		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

280	Escort LLS Battery Voltage #4	2	Unsigned	0	65535	0.01	V	Battery Voltage	FMB125	Permanent I/O elements
									FMB125	
									FMU125	
									FMC125	
									FMM125	
									FMBXX	
									FMB001	
									FMC001	
									FMB010	
									FMB110	
									FMB120	
									FMB120	
									FMB122	
									FMB125	
									FMU125	
									FMC125	
									FMM125	
									FMB130	
									FMU130	
									FMC130	
303	Instant Movement	1	Unsigned	0	1	-	-	Logic: 0/1 returns movement value	FMM130	Permanent I/O elements
									FMB140	
									FMB150	
									FMC150	
									FMM150	
									FMB900	
									FMB920	
									FMB960	
									FMB962	
									FMB964	
									FM3001	
									FMB202	
									FMB204	
									FMB206	
									FMT100	
									MTB100	
									FMB125	
									FMB125	
327	UL202-02 Sensor Fuel level	2	Signed	-150	32767	0.1	mm	UL202-02 Sensor Fuel level	FMU125	Permanent I/O elements
									FMC125	
									FMM125	

483	UL202-02 Sensor Status	1	Unsigned	0	255	-	-	UL202-02 sensor status codes	FMB125 FMB125 FMU125 FMC125 FMM125 FMBXX X FMB130 FMU130 FMC130 FMC150 FMM130 FMB130 FMU130 FMC130 FMM130 FMB140	Permanent I/O elements
380	Digital output 3	1	Unsigned	0	1	-	-	Logic: 0/1	FMB130 FMU130 FMC130 FMC150 FMM130 FMB130 FMU130 FMC130 FMM130 FMB140	Permanent I/O elements
381	Ground Sense	1	Unsigned	0	1	-	-	Logic: 0/1	FMC130 FMM130 FMB140	Permanent I/O elements

Index	Object Name	Size (bytes)	Encoding	Flags	Value	Unit	Notes	IO elements
387	ISO6709 Coordinates	34	HEX	0	0x7ffffff 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 FMC12 5 FMC12 5 FMB13 0 FMC13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 50 FMM1 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 FMU1256 FMU130 FMC001 FMC125 FMC130 FMM001 FMM125 FMM130 FMC150 FMM150 FMC800 FMM800 FMM80A	
636	UMTS/LTE Cell ID	4	Unsigned	0	0xFFFF FFFF	-	-			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	42949 67295	-	-	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				FM05XX 1200000 1200001 1200002 1200003 1200004 1200005 1200006 1200007 1200008 1200009 1200010 1200011 1200012 1200013 1200014 1200015 1200016 1200017 1200018 1200019 1200020 1200021 1200022 1200023 1200024 1200025 1200026 1200027 1200028 1200029 1200030 1200031 1200032 1200033 1200034 1200035 1200036 1200037 1200038 1200039 1200040 1200041 1200042 1200043 1200044 1200045 1200046 1200047 1200048 1200049 1200050 1200051 1200052 1200053 1200054 1200055 1200056 1200057 1200058 1200059 1200060 1200061 1200062 1200063 1200064 1200065 1200066 1200067 1200068 1200069 1200070 1200071 1200072 1200073 1200074 1200075 1200076 1200077 1200078 1200079 1200080 1200081 1200082 1200083 1200084 1200085 1200086 1200087 1200088 1200089 1200090 1200091 1200092 1200093 1200094 1200095 1200096 1200097 1200098 1200099 1200100 1200101 1200102 1200103 1200104 1200105 1200106 1200107 1200108 1200109 1200110 1200111 1200112 1200113 1200114 1200115 1200116 1200117 1200118 1200119 1200120 1200121 1200122 1200123 1200124 1200125 1200126 1200127 1200128 1200129 1200130 1200131 1200132 1200133 1200134 1200135 1200136 1200137 1200138 1200139 1200140 1200141 1200142 1200143 1200144 1200145 1200146 1200147 1200148 1200149 1200150 1200151 1200152 1200153 1200154 1200155 1200156 1200157 1200158 1200159 1200160 1200161 1200162 1200163 1200164 1200165 1200166 1200167 1200168 1200169 1200170 1200171 1200172 1200173 1200174 1200175 1200176 1200177 1200178 1200179 1200180 1200181 1200182 1200183 1200184 1200185 1200186 1200187 1200188 1200189 1200190 1200191 1200192 1200193 1200194 1200195 1200196 1200197 1200198 1200199 1200200 1200201 1200202 1200203 1200204 1200205 1200206 1200207 1200208 1200209 1200210 1200211 1200212 1200213 1200214 1200215 1200216 1200217 1200218 1200219 1200220 1200221 1200222 1200223 1200224 1200225 1200226 1200227 1200228 1200229 1200230 1200231 1200232 1200233 1200234 1200235 1200236 1200237 1200238 1200239 1200240 1200241 1200242 1200243 1200244 1200245 12002	

									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	OBD elements
38	Timing Advance	1	Signed	-64	64	-	°	Timing advance			
39	Intake Air Temperature	1	Signed	-128	127	-	°C	Intake air temperature			
40	MAF	2	Unsigned	0	65535	0.01	g/sec	MAF air flow rate			
41	Throttle Position	1	Unsigned	0	100	-	%	Throttle position			

									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	
46	Commanded EGR	1	Unsigned	0	100	-	%	Commanded EGR		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	
47	EGR Error	1	Signed	-100	100	-	%	EGR error		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	
48	Fuel Level	1	Unsigned	0	100	-	%	Fuel level		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	
49	Distance Since Codes Clear	2	Unsigned	0	65535	-	km	Distance traveled since codes cleared		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	

										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	
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	

FMB001	
FMC001	
FMM001	OBD OEM elements
FMB003	
FMC003	
FMM003	
FMB001	
FMC001	
FMM001	OBD OEM elements
FMB003	
FMC003	
FMM003	
FMB001	
FMC001	
FMM001	OBD OEM elements
FMB003	
FMC003	
FMM003	

BLE Sensors I/O elements

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

[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	
								Degrees (°C), -40 - +125;		FMB15	
								Error codes:		0	
26	BLE Temperature #2	2	Signed	-4000	12500	0.01*	°C	4000 - abnormal sensor state		FMC15	Bluetooth®Low Energy
								3000 - sensor not found		0	
								2000 - failed sensor data parsing		FMM15	
										0	
										FMB90	
										0	
										FMB92	
										0	
										FMB91	
										0	
										FMB96	
										2	
										FMB96	
										4	
										FM3001	
										FMB20	
										2	
										FMB20	
										4	
										FMB20	
										6	
										FMT10	
										0	
										MTB10	
										0	
										FMP10	
										0	
										FMB14	
										0	
										MSP50	
										0	
										FMC80	
										0	
										FMM80	
										0	
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							FMB14	
							0	
					Degrees (°C), -40 - +125;		FMB15	
					Error codes:		0	
28	BLE Temperature #4	2	Signed -4000 12500	0.01*	°C	4000 - abnormal sensor state	FMC15	Bluetooth®Low Energy
					3000 - sensor not found		0	
					2000 - failed sensor data parsing		FMM15	
							0	
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104	BLE Humidity #2	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 FMM15 0 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM3001 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM80 0 FMM80 A	Bluetooth®Low Energy
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270	BLE Fuel Level #1	2	Unsigned	0	65535	-	-	Fuel Level	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 FMM15 0 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM3001 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM80 0 FMM80 A	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 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM15 0 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM3001 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM80 0 FMM80 A	Bluetooth® Low Energy
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CAN adapters elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					

											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
81	Vehicle Speed	1	Unsigned	0	255	-	km/h	Value in km/h		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
82	Accelerator Pedal Position	1	Unsigned	0	102	-	%	Value in percentages, %		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
84	Fuel Level	2	Unsigned	0	65535	0.1	l	Value in liters, L		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
85	Engine RPM	2	Unsigned	0	16384	-	rpm	Value in rounds per minute, rpm		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
87	Total Mileage	4	Unsigned	0	4294967295	-	m	Value in meters, m		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	
89	Fuel Level	1	Unsigned	0	65535	-	%	Value in percentages, %		CAN adapters		
											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	

											FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
90	Door Status	2	Unsigned	0	32512	-	-		Door status value: Min - 0, Max - 32512 Door status is represented as bitmask converted to decimal value. Possible values: 0 - all doors closed, 0x100 (256) - front left door is opened, 0x200 (512) - front right door is opened, 0x400 (1024) - rear left door is opened, 0x800 (2048) - rear right door is opened, 0x1000 (4096) - hood is opened, 0x2000 (8192) - trunk is opened, 0x4000 (16384) - roof is opened, 0xF00 (32512) - all doors are opened.or combinations of values	CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
103	Engine Worktime (counted)	4	Unsigned	0	16777215	-	min	Total Engine work time in minutes		CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
105	Total Mileage (counted)	4	Unsigned	0	4294967295	-	m	Total Vehicle Mileage, m		CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
107	Fuel Consumed (counted)	4	Unsigned	0	2147483647	0.1	l	Total Fuel Consumed, l		CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
115	Engine Temperature	2	Signed	-600	1270	0.1	°C	Engine Temperature, °C		CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	
152	Battery Level	1	Unsigned	0	100	-	%	Value in percentages, %		CAN adapters	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMU120 FMU122 FMU125 FMU126 FMC130 FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM150 FMM150 FMM150 FMB250 FMC250 FMM250	

										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB125 FMB130 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
168	Battery Voltage	2	Unsigned	0	65535	-	V	Battery Voltage, V		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB125 FMB130 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
400	Distance to Next Service	4	Unsigned	0	4294967295	-	-			CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
517	SecurityStateFlags_P4	8	HEX	0	0xffffffffffff	-	-	Security state flags protocol 4		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
518	ControlStateFlags_P4	8	HEX	0	0xffffffffffff	-	-	Control state flags protocol 4		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
519	IndicatorStateFlags_P4	8	HEX	0	0xffffffffffff	-	-	Indicator state flags protocol 4		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
653	HandbrakeActive	1	Unsigned	0	1	-	-	0 - Handbrake inactive 1 - Handbrake active		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
654	FrontLeftDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
655	FrontRightDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
656	RearLeftDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250 FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	
657	RearRightDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open		CAN adapters	
										FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 FMB120 FMB122 FMB125 FMB130 FMB150 FMB150 FMB150 FMB250 FMB250 FMC250 FMM250	

658	TrunkDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open	FMBXXX FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	CAN adapters
659	NeutralGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	CAN adapters
660	ParkingGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	CAN adapters
661	ReverseGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	CAN adapters
662	CarClosed	1	Unsigned	0	1	-	-	0 - Closed 1 - Open	FMBXXX FMB150 FMC150 FMM150 FMB250 FMC250 FMM250	CAN adapters
866	Vehicle Range	4	Unsigned	0	4294967295	-	km	Information about vehicle range	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMM120 FMM122 FMM125 FMM130 FMM140 FMM150 FMC120 FMC122 FMC125 FMC130 FMC140 FMC150 FMM125 FMM130 FMM150 FMB250 FMC250 FMM250	CAN adapters
898	LVCAN SSF IgnitionOn	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMM120 FMM122 FMM125 FMM130 FMM140 FMM150 FMC120 FMC122 FMC125 FMC130 FMC140 FMC150 FMM125 FMM130 FMM150 FMB250 FMC250 FMM250	CAN adapters
903	LVCAN SSF EngineWorkingOnCNG	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMM120 FMM122 FMM125 FMM130 FMM140 FMM150 FMC120 FMC122 FMC125 FMC130 FMC140 FMC150 FMM125 FMM130 FMM150 FMB250 FMC250 FMM250	CAN adapters
911	SSF ClutchPushed	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMM120 FMM122 FMM125 FMM130 FMM140 FMM150 FMC120 FMC122 FMC125 FMC130 FMC140 FMC150 FMM125 FMM130 FMM150 FMB250 FMC250 FMM250	CAN adapters
913	SSF EngineCoverOpen	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMM120 FMM122 FMM125 FMM130 FMM140 FMM150 FMC120 FMC122 FMC125 FMC130 FMC140 FMC150 FMM125 FMM130 FMM150 FMB250 FMC250 FMM250	CAN adapters

									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
944	CSF RearCntrPassSeatbelt	1	Unsigned	0	1	-	-		CAN adapters	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1112	HVBatteryPackVoltage	2	Unsigned	0	65535	-	V	HV battery pack voltage	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1113	HVBatteryPackCurrent	2	Unsigned	0	65535	-	A	HV battery pack current	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1155	HV battery consumed energy (Counted)	4	Unsigned	0	4294967295	100	kWh	Energy consumed from the HV battery	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1156	HV battery recup energy (Counted)	4	Unsigned	0	4294967295	100	kWh	Energy recuperated to the HV battery	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1157	HV battery power	2	Unsigned	0	65535	10	kW	Power used from EV battery	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1158	engine oil pressure	2	Unsigned	0	65535	1	kPa	Engine oil pressure	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250
									FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB120 FMB122 FMB125 FMB126 FMB130 FMB140 FMB120	
1159	engine oil level	1	Unsigned	0	100	1	%	Engine oil level	LVCAN elements	FMC120 FMC122 FMC125 FMC130 FMM125 FMM130 FMM140 FMC150 FMM150 FMR250 FMC250 FMM250