

FMM250 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					

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

21 GSM Signal 1 Unsigned 0 5 - - Value in range 1-5

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](#) Permanent I/O
[50](#) Elements
[FMB90](#)
[0](#)
[FMB92](#)
[0](#)
[FMB96](#)
[2](#)
[FMB96](#)
[4](#)
[FM300](#)
[1](#)
[FMB20](#)
[2](#)
[FMB20](#)
[4](#)
[FMB20](#)
[6](#)
[FMT10](#)
[0](#)
[MTB10](#)
[0](#)
[FMP10](#)
[0](#)
[MSP50](#)
[0](#)
[FMC80](#)
[0](#)
[FMM8](#)
[00](#)
[FMM8](#)
[0A](#)

200

Sleep Mode

1

Unsigned

0

4

-

-

- 0 - No Sleep
- 1 - GPS Sleep
- 2 - Deep Sleep
- 3 - Online Sleep
- 4 - Ultra Sleep

[FMBXX](#)
[X](#)
[FMB00](#)
[1](#)
[FMC00](#)
[1](#)
[FMB01](#)
[0](#)
[FMB00](#)
[2](#)
[FMB02](#)
[0](#)
[FMB00](#)
[3](#)
[FMB11](#)
[0](#)
[FMB12](#)
[0](#)
[FMB12](#)
[2](#)
[FMB12](#)
[5](#)
[FMU12](#)
[5](#)
[FMB14](#)
[0](#)
[FMB15](#)
[0](#)
[FMC15](#)
[0](#)
[FMM1](#)
[50](#)
[FMB90](#)
[0](#)
[FMB92](#)
[0](#)
[FMB96](#)
[2](#)
[FMB96](#)
[4](#)
[FM300](#)
[1](#)
[FMB20](#)
[2](#)
[FMB20](#)
[4](#)
[FMB20](#)
[6](#)
[FMT10](#)
[0](#)
[MTB10](#)
[0](#)
[FMP10](#)
[0](#)
[MSP50](#)
[0](#)
[FMC80](#)
[0](#)
[FMM8](#)
[00](#)
[FMM8](#)
[0A](#)

Permanent I/O Elements

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

Permanent I/O Elements

FMB90

0

FMB92

0

FMB96

2

FMB96

4

FM300

1

FMB20

2

FMB20

4

FMB20

6

FMT10

0

MTB10

0

FMP10

0

MSP50

0

FMC80

0

FMM8

00

FMM8

0A

								FMBXX	
								X	
								FMB00	
								1	
								FMC00	
								1	
								FMB01	
								0	
								FMB00	
								2	
								FMB02	
								0	
								FMB00	
								3	
								FMB11	
								0	
								FMB12	
								0	
								FMB12	
								2	
								FMB12	
								5	
								FMU12	
								5	
								FMB14	
								0	
								FMB15	
								0	
								FMC15	
								0	
182	GNSS HDOP	2	Unsigned	0	500	0.1	Coefficient, calculation formula	FMM1	Permanent I/O Elements
			ed					50	
								FMB90	
								0	
								FMB92	
								0	
								FMB96	
								2	
								FMB96	
								4	
								FM300	
								1	
								FMB20	
								2	
								FMB20	
								4	
								FMB20	
								6	
								FMT10	
								0	
								MTB10	
								0	
								FMP10	
								0	
								MSP50	
								0	
								FMC80	
								0	
								FMM8	
								00	
								FMM8	
								0A	

66 External Voltage 2 Unsigned 0 65535 0.001 V Voltage

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

24 Speed 2 Unsigned 0 350 - km/h GNSS Speed

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 Permanent I/O
50 elements
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

205 GSM Cell ID 2 Unsigned 0 65535 - - GSM base station ID

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 Permanent I/O
50 elements
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

67 Battery Voltage 2 Unsigned 0 65535 0.001 V Voltage

FMBXX
X
FMB00
1
FMC00
1
FMB01
0
FMB12
0
FMB12
2
FMB12
5
FMB13
0
FMB14
0
FMB15
0
FMC15
0
FMM1
50
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

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

199 Trip Odometer 4 Unsigned 0 21474 83647 - m Trip Odometer 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 Permanent I/O
50 elements
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

9 Analog Input 1 2 Unsigned 0 65535 0.001 mV Voltage

FMBXX
X
FMB00
1
FMB01
0
FMB11
0
FMB12
0
FMB12
2
FMB12
5
FMB12
5
FMC12
5
FMM1
25
FMB13
0
FMB13
0
FMM1
30
FMB14
0
FMB90
0
FMB92
0
FMB96
2
FMB96
4
FMB20
2
FMB20
4
FMB20
6
MTB10
0

Permanent I/O
elements

179	Digital Output 1	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X 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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12 Fuel Used GPS 4 Unsigned 0 42949 0.001 1 Fuel Used
67295

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

17 Axis X 2 Signed -8000 8000 - mG X 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 Permanent I/O
50 elements
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

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 Permanent I/O
50 elements
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

19 Axis Z 2 Signed -8000 8000 - mG Z axis value

FMBXX
X
FMB00
1
FMC00
1
FMB01
0
FMB00
2
FMB02
0
FMB00
3
FMB11
0
FMB12
0
FMB12
2
FMB12
5
FMU12
5
FMB14
0
FMB15
0
FMC15
0
FMM1 Permanent I/O
50 elements
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

11 ICCID1 8 Unsign 0 0xffffffff - - Value of SIM ICCID, MSB

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 Permanent I/O
50 elements
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

10 SD Status 1 Unsigned 0 1 - - 0 - not present 1 - present

FMBXX
X
[FMB00](#)
[1](#)
[FMB01](#)
[0](#)
[FMB11](#)
[0](#)
[FMB12](#)
[0](#)
[FMB12](#)
[2](#)
[FMB12](#)
[5](#)
[FMB12](#)
[5](#)
[FMC12](#)
[5](#)
[FMB13](#)
[0](#)
[FMB13](#) Permanent I/O
[0](#) elements
[FMB90](#)
[0](#)
[FMB92](#)
[0](#)
[FMB96](#)
[2](#)
[FMB96](#)
[4](#)
[FM300](#)
[1](#)
[FMB20](#)
[2](#)
[FMB20](#)
[4](#)
[FMB20](#)
[6](#)
[FMT10](#)
[0](#)

6	Analog Input 2	2	Unsigned	0	65535	0.001	mV	Voltage	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB13 0 FMU13 0 FMC13 0 FMM1 30	Permanent I/O elements
180	Digital Output 2	1	Unsigned	0	1	-	-	Logic 0/1	FMM1 30 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB20 2 FMB20 4 FMB20 6 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25	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	FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	Permanent I/O elements

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

75	Dallas Temperature	4	4	Signed	-550	1150	0.1	°C	Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6 FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	Permanent I/O elements
76	Dallas Temperature ID	1	8	Unsigned	0	0xffffffff	-	-	Dallas sensor ID	FMBXX X FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6	Permanent I/O elements

214	LLS 5 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS485	FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	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	Permanent I/O elements
15	Eco Score	2	Unsign ed	0	65535	0.01	-	Average amount of events on some distance	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	Permanent I/O elements

113	Battery Level	1	Unsigned	0	100	-	%	Battery capacity level	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB12 0 FMB12 2 FMB12 5 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 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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238	User ID	8	Unsigned	0	0xffffffff ffffffff	-	-	MAC address of NMEA receiver device connected via Bluetooth®	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMB13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB20 2 FMB20 4 FMB20 6 FMT10 0 FMP10 0 FMC00 1 FMC12 5 FMC13 0 FMM0 01 FMM1 25 FMM1 30 FMC80 0 FMM8 00 FMM8 0A FMC88 0 FMM8 80 FMC25 0	Permanent I/O elements
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237	Network Type	1	Unsigned	0	1	-	-	<ul style="list-style-type: none"> 0 - 3G 1 - GSM 2 - 4G 3 - LTE CAT M1 4 - LTE CAT NB1 99 - Unknown 	<ul style="list-style-type: none"> 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 	Permanent I/O elements
8	Authorized iButton	8	Unsigned	0	0xffffffff	-	-	If ID is shown in this I/O that means that attached iButton is in iButton List	<ul style="list-style-type: none"> FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMU13 0 FMC13 0 FMM1 30 FMB20 2 FMB20 4 FMB20 6 	Permanent I/O elements

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

263	BT Status	1	Unsigned	0	4	-	-	<p>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</p>	<p>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</p>	Permanent I/O elements
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ID	Name	Length	Encoding	Min	Max	Units	Description	Element Path	Notes
264	Barcode ID	Variable	ASCII	0	32	-	Barcode ID	FMBXX X FMB00 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 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25	Permanent I/O elements
269	Escort LLS Temperature #1	2	Signed	-128	127	°C	Fuel temperature	FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25	Permanent I/O elements
270	Escort LLS Fuel level #1	2	Unsigned	0	65535	-	Fuel Level	FMB12 5 FMU12 5 FMC12 5 FMM1 25 FMB12 5 FMB12 5 FMU12 5 FMC12 5 FMM1 25	Permanent I/O elements
271	Escort LLS Battery Voltage #1	2	Unsigned	0	65535	0.01	V Battery Voltage	FMB12 5 FMU12 5 FMC12 5 FMM1 25	Permanent I/O elements

272	Escort LLS Temperature #2	2	Signed	-128	127	-	°C	Fuel temperature	FMB125 FMB125 FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
273	Escort LLS Fuel level #2	2	Unsigned	0	65535	-	-	Fuel Level	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
274	Escort LLS Battery Voltage #2	2	Unsigned	0	65535	0.01	V	Battery Voltage	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
275	Escort LLS Temperature #3	2	Signed	-128	127	-	°C	Fuel temperature	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
276	Escort LLS Fuel level #3	2	Unsigned	0	65535	-	-	Fuel Level	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
277	Escort LLS Battery Voltage #3	2	Unsigned	0	65535	0.01	V	Battery Voltage	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
278	Escort LLS Temperature #4	2	Signed	-128	127	-	°C	Fuel temperature	FMU125 FMC125 FMM125 FMB125 FMB125	Permanent I/O elements
279	Escort LLS Fuel level #4	2	Unsigned	0	65535	-	-	Fuel Level	FMU125 FMC125 FMM125	Permanent I/O elements

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

483	UL202-02 Sensor Status	1	Unsigned	0	255	-	-	UL202-02 sensor status codes	FMB12 5 FMB12 5 FMC12 5 FMM1 25 FMBXX X FMB13 0 FMU13 0 FMC13 0 FMC15 0 FMM1 30 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0	Permanent I/O elements
380	Digital output 3	1	Unsigned	0	1	-	-	Logic: 0/1	FMB13 0 FMU13 0 FMC13 0 FMC15 0 FMM1 30 FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0	Permanent I/O elements
381	Ground Sense	1	Unsigned	0	1	-	-	Logic: 0/1	FMB13 0 FMU13 0 FMC13 0 FMM1 30 FMB14 0	Permanent I/O elements

387	ISO6709 Coordinates	34	HEX	0	0x7fffff fffffff	-	-	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 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Permanent I/O elements
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Property ID in AVE packet	Property Name	Bytes	Type	Value range	Min	Max	Multiplier	Units	Description	HW Support	Parameter Group
155	Confidence zone 01	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124000	Eventual IO elements
										124001	
										124002	
										124003	
										124004	
										124005	
										124006	
										124007	
										124008	
										124009	
										124010	
										124011	
156	Confidence zone 02	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124012	Eventual IO elements
										124013	
										124014	
										124015	
										124016	
										124017	
										124018	
										124019	
										124020	
										124021	
										124022	
										124023	
157	Confidence zone 03	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124024	Eventual IO elements
										124025	
										124026	
										124027	
										124028	
										124029	
										124030	
										124031	
										124032	
										124033	
										124034	
										124035	
158	Confidence zone 04	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124036	Eventual IO elements
										124037	
										124038	
										124039	
										124040	
										124041	
										124042	
										124043	
										124044	
										124045	
										124046	
										124047	
159	Confidence zone 05	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124048	Eventual IO elements
										124049	
										124050	
										124051	
										124052	
										124053	
										124054	
										124055	
										124056	
										124057	
										124058	
										124059	
61	Confidence zone 06	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124060	Eventual IO elements
										124061	
										124062	
										124063	
										124064	
										124065	
										124066	
										124067	
										124068	
										124069	
										124070	
										124071	
62	Confidence zone 07	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124072	Eventual IO elements
										124073	
										124074	
										124075	
										124076	
										124077	
										124078	
										124079	
										124080	
										124081	
										124082	
										124083	
63	Confidence zone 08	1	Unsigned	0 - 3	0	3	-	-	0 - target left zone 1 - target entered zone 2 - over spending end 3 - over spending start	FM8XX1 124084	Eventual IO elements
										124085	
										124086	
										124087	
										124088	
										124089	
										124090	
										124091	
										124092	
										124093	
										124094	
										124095	

Event ID	Event Name	Category	Status	Start	End	Duration	Unit	Value	Notes	Eventual IO elements
226	Confidence zone 45	1	Unassigned	0	3	-	-	-	0 - target left zone 1 - target entered zone 2 - over speeding end 3 - over speeding start	FM5XXX 240000 240001 240002 240003 240004 240005 240006 240007 240008 240009 240010 240011 240012 240013 240014 240015 240016 240017 240018 240019 240020 240021 240022 240023 240024 240025 240026 240027 240028 240029 240030 240031 240032 240033 240034 240035 240036 240037 240038 240039 240040 240041 240042 240043 240044 240045 240046 240047 240048 240049 240050 240051 240052 240053 240054 240055 240056 240057 240058 240059 240060 240061 240062 240063 240064 240065 240066 240067 240068 240069 240070 240071 240072 240073 240074 240075 240076 240077 240078 240079 240080 240081 240082 240083 240084 240085 240086 240087 240088 240089 240090 240091 240092 240093 240094 240095 240096 240097 240098 240099 240100 240101 240102 240103 240104 240105 240106 240107 240108 240109 240110 240111 240112 240113 240114 240115 240116 240117 240118 240119 240120 240121 240122 240123 240124 240125 240126 240127 240128 240129 240130 240131 240132 240133 240134 240135 240136 240137 240138 240139 240140 240141 240142 240143 240144 240145 240146 240147 240148 240149 240150 240151 240152 240153 240154 240155 240156 240157 240158 240159 240160 240161 240162 240163 240164 240165 240166 240167 240168 240169 240170 240171 240172 240173 240174 240175 240176 240177 240178 240179 240180 240181 240182 240183 240184 240185 240186 240187 240188 240189 240190 240191 240192 240193 240194 240195 240196 240197 240198 240199 240200 240201 240202 240203 240204 240205 240206 240207 240208 240209 240210 240211 240212 240213 240214 240215 240216 240217 240218 240219 240220 240221 240222 240223 240224 240225 240226 240227 240228 240229 240230 240231 240232 240233 240234 240235 240236 240237 240238 240239 240240 240241 240242 240243 240244 240245 240246 240247 240248 240249 240250 240251 240252 240253 240254 240255 240256 240257 240258 240259 240260 240261 240262 240263 240264 240265 240266 240267 240268 240269 240270 240271 240272 240273 240274 240275 240276 240277 240278 240279 240280 240281 240282 240283 240284 240285 240286 240287 240288 240289 240290 240291 240292 240293 240294 240295 240296 240297 240298 240299 240300 240301 240302 240303 240304 240305 240306 240307 240308 240309 240310 240311 240312 240313 240314 240315 240316 240317 240318 240319 240320 240321 240322 240323 240324 240325 240326 240327 240328 240329 240330 240331 240332 240333 240334 240335 240336 240337 240338 240339 240340 240341 240342 240343 240344 240345 240346 240347 240348 240349 240350 240351 240352 240353 240354 240355 240356 240357 240358 240359 240360 240361 240362 240363 240364 240365 240366 240367 240368 240369 240370 240371 240372 240373 240374 240375 240376 240377 240378 240379 240380 240381 240382 240383 240384 240385 240386 240387 240388 240389 240390 240391 240392 240393 240394 240395 240396 240397 240398 240399 240400 240401 240402 240403 240404 240405 240406 240407 240408 240409 240410 240411 240412 240413 240414 240415 240416 240417 240418 240419 240420 240421 240422 240423 240424 240425 240426 240427 240428 240429 240430 240431 240432 240433 240434 240435 240436 240437 240438 240439 240440 240441 240442 240443 240444 240445 240446 240447 240448 240449 240450 240451 240452 240453 240454 240455 240456 240457 240458 240459 240460 240461 240462 240463 240464 240465 240466 240467 240468 240469 240470 240471 240472 240473 240474 240475 240476 240477 240478 240479 240480 240481 240482 240483 240484 240485 240486 240487 240488 240489 240490 240491 240492 240493 240494 240495 240496 240497 240498 240499 240500 240501 240502 240503 240504 240505 240506 240507 240508 240509 240510 240511 240512 240513 240514 240515 240516 240517 240518 240519 240520 240521 240522 240523 240524 240525 240526 240527 240528 240529 240530 240531 240532 240533 240534 240535 240536 240537 240538 240539 240540 240541 240542 240543 240544 240545 240546 240547 240548 240549 240550 240551 240552 240553 240554 240555 240556 240557 240558 240559 240560 240561 240562 240563 240564 240565 240566 240567 240568 240569 240570 240571 240572 240573 240574 240575 240576 240577 240578 240579 240580 240581 240582 240583 240584 240585 240586 240587 240588 240589 240590 240591 240592 240593 240594 240595 240596 240597 240598 240599 240600 240601 240602 240603 240604 240605 240606 240607 240608 240609 240610 240611 240612 240613 240614 240615 240616 240617 240618 240619 240620 240621 240622 240623 240624 240625 240626 240627 240628 240629 240630 240631 240632 240633 240634 240635 240636 240637 240638 240639 240640 240641 240642 240643 240644 240645 240646 240647 240648 240649 240650 240651 240652 240653 240654 240655 240656 240657 240658 240659 240660 240661 240662 240663 240664 240665 240666 240667 240668 240669 240670 240671 240672 240673 240674 240675 240676 240677 240678 240679 240680 240681 240682 240683 240684 240685 240686 240687 240688 240689 240690 240691 240692 240693 240694 240695 240696 240697 240698 240699 240700 240701 240702 240703 240704 240705 240706 240707 240708 240709 240710 240711 240712 240713 240714 240715 240716 240717 240718 240719 240720 240721 240722 240723 240724 240725 240726 240727 240728 240729 240730 240731 240732 240733 240734 240735 240736 240737 240738 240739 240740 240741 240742 240743 240744 240745 240746 240747 240748 240749 240750 240751 240752 240753 240754 240755 240756 240757 240758 240759 240760 240761 240762 240763 240764 240765 240766 240767 240768 240769 240770 240771 240772 240773 240774 240775 240776 240777 240778 240779 240780 240781 240782 240783 240784 240785 240786 240787 240788 240789 240790 240791 240792 240793 240794 240795 240796 240797 240798 240799 240800 240801 240802 240803 240804 240805 240806 240807 240808 240

									FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	
30	Number of DTC	1	ASCII	0	255	-	-	Number of DTC	FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
31	Engine Load	1	Unsigned	0	100	-	%	Calculated engine load value	FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
32	Coolant Temperature	1	Signed	-128	127	-	°C	Engine coolant temperature	FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
33	Short Fuel Trim	1	Signed	-100	99	-	%	Short term fuel trim 1	FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 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 FMC125 FMC125 FMM125 FMB130 FMC130 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		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
35	Intake MAP	1	Unsigned	0	255	-	kPa	Intake manifold absolute pressure		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
36	Engine RPM	2	Unsigned	0	16384	-	rpm	Engine RPM		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
37	Vehicle Speed	1	Unsigned	0	255	-	km/h	Vehicle speed		FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 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	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
 FMC125
 FMC125
 FMM125
 FMB130
 FMC130
 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
 FMC125
 FMC125
 FMM125
 FMB130
 FMC130
 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
 FMC125
 FMC125
 FMM125
 FMB130
 FMC130
 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
 FMC125
 FMC125
 FMM125
 FMB130
 FMC130
 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 FMC125 FMC125 FMM125 FMB130 FMC130 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 FMC125 FMC125 FMM125 FMB130 FMC130 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 FMC125 FMC125 FMM125 FMB130 FMC130 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 FMC125 FMC125 FMM125 FMB130 FMC130 FMC130 FMM130 FMB140 FMB150 FMC150 FMM150 FMB900 FMB920 FMB962 FMB964 FM3001 FMT100 MTB100 FMB202 FMB204 FMB206 FMT100 MTB100 FMB140	OBD elements
42	Runtime since engine start	2	Unsigned	0	65535	-	s	Runtime since engine start			
43	Distance Traveled MIL On	2	Unsigned	0	65535	-	km	Distance ormatin MIL on			
44	Relative Fuel Rail Pressure	2	Unsigned	0	5178	0.1	kPa	Relative fuel rail pressure			
45	Direct Fuel Rail Pressure	2	Unsigned	0	65535	10	kPa	Direct Fuel Rail Pressure			

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

50	Barometric Pressure	1	Unsigned	0	255	-	kPa	Barometric pressure	FMBXXX FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMU125 FMC125 FMM125 FMB130 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 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 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 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 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 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 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 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 FMC130 FMM130 FMB140 FMB150 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	<p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p>	OBD elements
54	Time Run With MIL On	2	Unsigned	0	65535	-	min	Time run with MIL on	<p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p>	OBD elements
55	Time Since Codes Cleared	2	Unsigned	0	65535	-	min	Time since codes cleared	<p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p>	OBD elements
56	Absolute Fuel Rail Pressure	2	Unsigned	0	65535	0.1	kPa	Absolute fuel rail pressure	<p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p> <p>FMBXXX</p> <p>FMB001</p> <p>FMC001</p> <p>FMB010</p> <p>FMB003</p> <p>FMB110</p> <p>FMB120</p> <p>FMB122</p> <p>FMB125</p> <p>FMU125</p> <p>FMC125</p> <p>FMM125</p> <p>FMB130</p> <p>FMU130</p> <p>FMC130</p> <p>FMM130</p> <p>FMB140</p> <p>FMB150</p> <p>FMC150</p> <p>FMM150</p> <p>FMB900</p> <p>FMB920</p> <p>FMB962</p> <p>FMB964</p> <p>FM3001</p> <p>FMT100</p> <p>MTB100</p> <p>FMB202</p> <p>FMB204</p> <p>FMB206</p> <p>FMT100</p> <p>MTB100</p> <p>FMB140</p>	OBD elements

57	Hybrid battery pack life	1	Unsigned	0	100	-	%	Hybrid battery pack remaining life	OBD elements
58	Engine Oil Temperature	1	Unsigned	0	215	-	°C	Engine oil temperature	OBD elements
59	Fuel injection timing	2	Signed	-21000	30200	0.01	°	Fuel injection timing	OBD elements
543	Hybrid System Voltage	2	Unsigned	0	1024	-	V	Hybrid vehicle system 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

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

Property ID in AVL packet	Property Name	Bytes	Type	Value range	Multiplier	Units	Description	HW Support	Parameter Group
				Min Max					
544	Hybrid System Current	2	Signed	-3277 3277	-	A	Hybrid vehicle system current	FMB001 FMC001 FMB010 FMB003 FMB110 FMB120 FMB122 FMB125 FMC125 FMC125 FMM125 FMB130 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 FMC125 FMC125 FMM125 FMB130 FMC130 FMM130 FMB140	OBD elements
281	Fault Codes	variable	ASCII	0 128	-	-	Fault Codes (values separated via ",")	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 FMC125 FMC125 FMM125 FMB130 FMC130 FMM130 FMB140	OBD elements
60	Fuel Rate	2	Unsigned	0 32767	0.01	L/h	Engine fuel rate, L/h*100	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 FMC125 FMC125 FMM125 FMB130 FMC130 FMM130 FMB140	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
410	OEM Battery charge state	1	Unsigned	0 1	-	-	0 - Not charging 1 - Charging	FMB001 FMC001 FMM001 FMB003 FMC003 FMM003	OBD OEM elements

411	OEM Battery charge level	1	Unsigned	0	100	-	%	Represents battery charged level	EMR001 EMC001 EMM001 EMB003 EMC003 EMM003	OBD OEM elements
412	OEM Battery power consumption	2	Unsigned	0	65535	-	kWh/100km	Represents battery power consumption	EMR001 EMC001 EMM001 EMB003 EMC003 EMM003	OBD OEM elements
755	OEM Remaining distance	2	Unsigned	0	65535	-	km	Remaining distance until fuel tank empty or battery (EV) depleted	EMR001 EMC001 EMM001 EMB003 EMC003 EMM003	OBD OEM elements

BLE Sensors I/O elements

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

385

Beacon

Variable

HEX

0

1024

-

-

List of Beacon IDs

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

Permanent I/O elements

25 BLE Temperature #1 2 Signed -4000 12500 0.01* °C

Degrees (°C), -40 - +125;
Error codes:
4000 - abnormal sensor state
3000 - sensor not found
2000 - failed sensor data parsing

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

Bluetooth®
Low Energy

26 BLE Temperature #2 2 Signed -4000 12500 0.01* °C

Degrees (°C), -40 - +125;
Error codes:
4000 - abnormal sensor state
3000 - sensor not found
2000 - failed sensor data parsing

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

Bluetooth®
Low Energy

27 BLE Temperature #3 2 Signed -4000 12500 0.01* °C

Degrees (°C), -40 - +125;
Error codes:
4000 - abnormal sensor state
3000 - sensor not found
2000 - failed sensor data parsing

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

Bluetooth®
Low Energy

28 BLE Temperature #4 2 Signed -4000 12500 0.01* °C

Degrees (°C), -40 - +125;
Error codes:
4000 - abnormal sensor state
3000 - sensor not found
2000 - failed sensor data parsing

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

Bluetooth®
Low Energy

29	BLE Battery #1	1	Unsigned	0	100	-	%	Battery level of sensor #1	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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20	BLE Battery #2	1	Unsigned	0	100	-	%	Battery level of sensor #2	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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22	BLE Battery #3	1	Unsigned	0	100	-	%	Battery level of 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 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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23	BLE Battery #4	1	Unsigned	0	100	-	%	Battery level of sensor #4	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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86	BLE Humidity #1	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXX X FMB00 1 FMC00 1 FMB01 0 FMB00 2 FMB02 0 FMB00 3 FMB11 0 FMB12 0 FMB12 2 FMB12 5 FMU12 5 FMC12 5 FMB13 0 FMU13 0 FMC13 0 FMB14 0 FMB15 0 FMC15 0 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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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 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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273	BLE Fuel Level #2	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 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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276	BLE Fuel Level #3	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 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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279	BLE Fuel Level #4	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 FMM1 50 FMB90 0 FMB92 0 FMB91 0 FMB96 2 FMB96 4 FM300 1 FMB20 2 FMB20 4 FMB20 6 FMT10 0 MTB10 0 FMP10 0 FMB14 0 MSP50 0 FMC80 0 FMM8 00 FMM8 0A	Bluetooth® Low Energy
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ID	Name	Length	Sign	Min	Max	Unit	Description	Adapters
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, 0x7F00 (32512) - all doors are opened, or combinations of values	CAN adapters
103	Engine Worktime (counted)	4	Unsigned	0	16777215	min	Total Engine work time in minutes	CAN adapters
105	Total Mileage (counted)	4	Unsigned	0	4294967295	m	Total Vehicle Mileage, m	CAN adapters
107	Fuel Consumed (counted)	4	Unsigned	0	2147483647	l	Total Fuel Consumed, l	CAN adapters
115	Engine Temperature	2	Signed	-600	1270	°C	Engine Temperature, °C	CAN adapters
152	Battery Level	1	Unsigned	0	100	%	Value in percentages, %	CAN adapters

- FMBXXX
- FMB100
- FMB110
- FMB120
- FMB122
- FMB125
- FMB130
- FMB140
- FMB140
- FMB140
- FMB142
- FMB125
- FMB126
- FMB130
- FMB130
- FMB130
- FMB130
- FMB130
- FMB150
- FMB150
- FMB150
- FMB150
- FMB250
- FMB250
- FMB250
- FMB250
- FMM250
- FMM250
- FMBXXX
- FMB100
- FMB110
- FMB120
- FMB122
- FMB125
- FMB130
- FMB140
- FMB140
- FMB140
- FMB142
- FMB125
- FMB126
- FMB130
- FMB130
- FMB130
- FMB130
- FMB150
- FMB150
- FMB150
- FMB150
- FMB250
- FMB250
- FMB250
- FMB250
- FMM250
- FMM250
- FMBXXX
- FMB100
- FMB110
- FMB120
- FMB122
- FMB125
- FMB130
- FMB140
- FMB140
- FMB140
- FMB142
- FMB125
- FMB126
- FMB130
- FMB130
- FMB130
- FMB130
- FMB150
- FMB150
- FMB150
- FMB150
- FMB250
- FMB250
- FMB250
- FMB250
- FMM250
- FMM250
- FMBXXX
- FMB100
- FMB110
- FMB120
- FMB122
- FMB125
- FMB130
- FMB140
- FMB140
- FMB140
- FMB142
- FMB125
- FMB126
- FMB130
- FMB130
- FMB130
- FMB130
- FMB150
- FMB150
- FMB150
- FMB150
- FMB250
- FMB250
- FMB250
- FMB250
- FMM250
- FMM250
- FMBXXX
- FMB100
- FMB110
- FMB120
- FMB122
- FMB125
- FMB130
- FMB140
- FMB140
- FMB140
- FMB142
- FMB125
- FMB126
- FMB130
- FMB130
- FMB130
- FMB130
- FMB150
- FMB150
- FMB150
- FMB150
- FMB250
- FMB250
- FMB250
- FMB250
- FMM250
- FMM250

658	TrunkDoorOpen	1	Unsigned	0	1	-	-	0 - Closed 1 - Open	FMBXXX FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
659	NeutralGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
660	ParkingGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
661	ReverseGearActive	1	Unsigned	0	1	-	-	0 - Inactive 1 - Active	FMBXXX FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
662	CarClosed	1	Unsigned	0	1	-	-	0 - Closed 1 - Open	FMBXXX FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
866	Vehicle Range	4	Unsigned	0	4294967295	-	km	Information about vehicle range	FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMC120 EMC122 EMC125 EMC130 EMM125 EMM130 FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
898	LVCAN SSF IgnitionOn	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMC120 EMC122 EMC125 EMC130 EMM125 EMM130 FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
903	LVCAN SSF EngineWorkingOnCNG	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMC120 EMC122 EMC125 EMC130 EMM125 EMM130 FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
911	SSF ClutchPushed	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMC120 EMC122 EMC125 EMC130 EMM125 EMM130 FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters
913	SSF EngineCoverOpen	1	Unsigned	0	1	-	-		FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMC120 EMC122 EMC125 EMC130 EMM125 EMM130 FMB150 EMC150 EMM150 FMB250 EMC250 EMM250	CAN adapters

										<ul style="list-style-type: none"> FMBXXX FMB100 FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB140 EMU120 EMU122 EMU125 EMU126 EMU130 EMG120 EMG122 EMG125 EMG130 EMM125 EMM130 FMB150 EMG150 EMM150 FMB250 EMG250 EMM250 													
924	LVCAN SSF CANModuleInSleep	1	Unsigned	0	1	-	-															CAN adapters	
				</																			

