

Predefined CAN Transmit Packet 1

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Predefined Dataset 1

All 16 bit values have low byte transmitted first by the ECU. Sequential addressing is used. All parameters are transferred in the units defined inside the ECU. These can be rescaled if required by the receiving device. Custom Packet 1 contains 10 Message Objects each with a different sequential address. This can be selected on CAN1 or CAN2 and on any of the 6 channels within that CAN node. In total the Custom Packet 1 transmits 40 parameters on one CAN Channel.

NOTE: If all 6 channels were used within one CAN node a total of 240 parameter could be transmitted

Message 1:

Address: 1250 (Emtron preferred. User Adjustable)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1250	1-2	Engine Speed	rpm
1250	3-4	Engine Manifold Pressure	Pressure
1250	5-6	Engine Temperature	Temperature
1250	7-8	Engine Inlet Temp	Temperature

Message 2:

Address: 1251 (Sequential based on address in Message 1)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1251	1-2	Throttle Position 1	Position
1251	3-4	Estimated Charge Temp	Temperature
1251	5-6	Gear	NA
1251	7-8	Battery Volts	Voltage

Message 3:

Address: 1252 (Sequential based on address in Message 2)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1252	1-2	Oil Pressure	Pressure
1252	3-4	Oil Temperature	Temperature
1252	5-6	Fuel Pressure	Pressure
1252	7-8	Fuel Temperature	Temperature

Message 4:

Address: 1253 (Sequential based on address in Message 3)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1253	1-2	Exhaust Pressure	Pressure
1253	3-4	Fuel Pressure Differential	Pressure Diff
1253	5-6	Crankcase Pressure	Pressure
1253	7-8	Coolant Pressure	Pressure

Message 5:

Address: 1254 (Sequential based on address in Message 4)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1254	1-2	Lambda 1	La
1254	3-4	Lambda 1	La
1254	5-6	Lambda Target	La
1243	7-8	Drive Speed	Speed

Message 6:

Address: 1255 (Sequential based on address in Message 5)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1255	1-2	Lambda 1 Short	Percentage2
1255	3-4	Lambda 2 Short	Percentage2
1255	5-6	Lambda 2 Long	Percentage2
1245	7-8	Lambda 2 Long	Percentage2

Message 7:

Address: 1256 (Sequential based on address in Message 6)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1256	1-2	Injector Duty Cycle	Percentage1
1256	3-4	Ignition Angle	Ign Angle
1256	5-6	Baro	Pressure
1246	7-8	ECU Temp	Temperature

Message 8:

Address: 1257 (Sequential based on address in Message 7)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1257	1-2	dTPS	Rate of Change1
1257	3-4	dRPM	Rate of Change2
1257	5-6	Fuel Cut Level	Percentage1
1247	7-8	Ignition Cut Level	Percentage1

Message 9:

Address: 1258 (Sequential based on address in Message 8)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1258	1-2	Ethanol Content	Percentage1
1258	3-4	G-Force Lat	G-Force
1258	5-6	G-Force Long	G-Force
1248	7-8	G-Force Vert	G-Force

Message 10:

Address: 1259 (Sequential based on address in Message 9)

Transmits 8 bytes/4 parameters.

Addressing Mode = Sequential.

CAN Address	Byte Position	Parameter	Unit
1259	1-2	Crank/Cam Error Counter	counter
1259	3-4	Max Engine Speed	rpm
1259	5-6	TBA	
1249	7-8	TBA	