

CANbus Data Export List (11bit CAN 2.0A)

CAN ID	Name	Description	Units	Data Type	Position	Update Frequency (Hz)	Engineering Scaling
300	RPM	Engine Speed	rpm	unsigned short	Byte 0=MSB, Byte 1=LSB	50	1 rpm/bit
	TPS	Throttle Position	%	unsigned char	Byte 2		0=0%, 255=100%
	KFuelMAP	Manifold Pressure Fuel Correction	%	unsigned char	Byte 3		0=0%, 255=400%
	MAP	Manifold Air Pressure	mBar	signed short	Byte 4=MSB, Byte 5=LSB		1 mBar/bit
	IdleLearn	Idle Learn Value	%	unsigned short	Byte 6=MSB, Byte 7=LSB		0.00038696%/bit
301	dThrot	Delta Throttle Position		signed short	Byte 0=MSB, Byte 1=LSB	50	0=0.00, 255=2.00
	Lambda2	Actual Measure Lambda Bank 2		unsigned char	Byte 2		0=0%, 255=100%
	InjHPerc	Percentage Staged Injection	%	unsigned char	Byte 3		0=0%, 255=100%
	AE	Acceleration Enrichment	usec	unsigned short	Byte 4=MSB, Byte 5=LSB		1 usec/bit
	DE	Deceleration Enleanment	usec	unsigned short	Byte 6=MSB, Byte 7=LSB		1 usec/bit
302	KMH	Wheel Speed	kmh	unsigned short	Byte 0=MSB, Byte 1=LSB	50	0.1 kmh/bit
	DCBaseIdle	Base Idle Duty Cycle	%	unsigned short	Byte 2=MSB, Byte 3=LSB		0=0%, 255=100%
	IdleOut	Final Idle Duty Cycle	%	unsigned short	Byte 4=MSB, Byte 5=LSB		0=0%, 255=100%
	PercSlip	Traction Control Actual Slip	%	unsigned char	Byte 6		0=0%, 255=100%
	TargetSlip	Traction Control Target Slip	%	unsigned char	Byte 7		0=0%, 255=100%
303	IVCTAngle	Inlet Cam Position Angle	deg	signed short	Byte 0=MSB, Byte 1=LSB	50	0.25 deg/bit
	EVCTAngle	Exhaust Cam Position Angle	deg	signed short	Byte 2=MSB, Byte 3=LSB		0.25 deg/bit
	IVCTAngleTarget	Target Inlet Cam Position	deg	unsigned char	Byte 4		0.25 deg/bit
	EVCTAngleTarget	Target Exhaust Cam Position	deg	unsigned char	Byte 5		0.25 deg/bit
	DBW TPS1	Drive by wire primary TPS	%	signed short	Byte 6=MSB, Byte 7=LSB		0=0%, 1023=100%
304	BaseInjPW	Base Injection Pulse Width	usec	unsigned short	Byte 0=MSB, Byte 1=LSB	25	1 usec/bit
	RunPW	Final Injection Pulse Width	usec	unsigned short	Byte 2=MSB, Byte 3=LSB		1 usec/bit
	SABase	Base Spark Advance	deg	signed short	Byte 4=MSB, Byte 5=LSB		0.25 deg/bit
	SAOut	Final Spark Advance	deg	signed short	Byte 6=MSB, Byte 7=LSB		0.25 deg/bit
305	Lambda1	Actual Measure Lambda Bank 1		unsigned char	Byte 0	25	0=0.00, 255=2.00
	TargetLambda	Target Lambda		unsigned char	Byte 1		0=0.00, 255=2.55
	KFuelLearn	Fuel Learn Value	%	signed short	Byte 2=MSB, Byte 3=LSB		0.05%/bit
	CLC1	Closed Loop Control Value Bank 1	%	signed short	Byte 4=MSB, Byte 5=LSB		0.05%/bit
306	CLC2	Closed Loop Control Value Bank 2	%	signed short	Byte 6=MSB, Byte 7=LSB	25	0.05%/bit
	Gear	Gear Position		unsigned char	Byte 0		0=0%, 255=100%
	BaseBoostDC	Base Boost Duty Cycle	%	unsigned char	Byte 1		0=0%, 255=100%
	BoostOut	Final Boost Duty Cycle	%	unsigned short	Byte 2=MSB, Byte 3=LSB		0.01kPa/bit
	OilP	Oil Pressure	kPa	unsigned short	Byte 4=MSB, Byte 5=LSB		0.01kPa/bit
307	FuelP	Fuel Pressure	KPa	unsigned short	Byte 6=MSB, Byte 7=LSB	25	0.01kPa/bit
	Baro	Barometric Pressure	mBar	unsigned short	Byte 0=MSB, Byte 1=LSB		1 mBar/bit
	PBoost	Proportional Boost Control Term		unsigned short	Byte 2=MSB, Byte 3=LSB		
	IBOOST	Integral Boost Control Term		unsigned short	Byte 4=MSB, Byte 5=LSB		
	TargetBoost	Target Boost Pressure	mBar	unsigned short	Byte 6=MSB, Byte 7=LSB		1 mBar/bit
308	VBattI	Battery Voltage	V	unsigned short	Byte 0=MSB, Byte 1=LSB	12	0=0V, 1023=18V
	DJVBatt	Injector Battery Voltage Correction	usec	unsigned short	Byte 2=MSB, Byte 3=LSB		1 usec/bit
	Phase	Injector Timing Phase	deg	unsigned char	Byte 4		0.25 deg/bit
	CamCount	Camshaft Tooth Counter		unsigned char	Byte 5		
	Dwell	Coil Dwell Time	usec	unsigned short	Byte 6=MSB, Byte 7=LSB		1 usec/bit
309	Throt	Raw Throttle Position Voltage	V	unsigned short	Byte 0=MSB, Byte 1=LSB	12	0=0V, 1023=5V
	PPS11	Raw Pedal Position 1 Voltage	V	unsigned short	Byte 2=MSB, Byte 3=LSB		0=0V, 1023=5V
	PPS21	Raw Pedal Position 2 Voltage	V	unsigned short	Byte 4=MSB, Byte 5=LSB		0=0V, 1023=5V
	TPS11	Raw Throttle Position 1 Voltage	V	unsigned short	Byte 6=MSB, Byte 7=LSB		0=0V, 1023=5V
30A	TPS21	Raw Throttle Position 2 Voltage	V	unsigned short	Byte 0=MSB, Byte 1=LSB	12	0=0V, 1023=5V
	TPSPPSFault	Throttle/Pedal Fault Code		unsigned char	Byte 2		0=0%, 255=100%
	PPS	Scaled Final Pedal Position	%	unsigned char	Byte 3		0=0%, 255=100%
	PPS1	Scaled Pedal Position 1	%	unsigned char	Byte 4		0=0%, 255=100%
	PPS2	Scaled Pedal Position 2	%	unsigned char	Byte 5		0=0%, 255=100%
	TPS1	Scaled Throttle Position 1	%	unsigned char	Byte 6		0=0%, 255=100%
	TPS2	Scaled Throttle Position 2	%	unsigned char	Byte 7		0=0%, 255=100%
30B	TH2o	Coolant Temperature	degC	unsigned char	Byte 0	6	0=-10degC, 255=150degC
	TOil	Oil Temperature	degC	unsigned char	Byte 1		0=-10degC, 255=150degC
	KFuelCrk	Crank Fuel Correction	%	unsigned char	Byte 2		0=0%, 255=800%
	TAir	Air Temperature	degC	unsigned char	Byte 3		0=-10degC, 255=150degC
	TH2oI	Raw Coolant Temp Sensor Voltage	V	unsigned short	Byte 4=MSB, Byte 5=LSB		0=0V, 1023=5V
30C	TOilI	Raw Oil Temp Sensor Voltage	V	unsigned short	Byte 6=MSB, Byte 7=LSB	6	0=0V, 1023=5V
	ERunTimer	Engine Run Timer	s	unsigned short	Byte 0=MSB, Byte 1=LSB		0.05s /bit
	TAirI	Raw Air Temp Sensor Voltage	V	unsigned short	Byte 2=MSB, Byte 3=LSB		0=0V, 1023=5V
	LambdaI	Raw Lambda Sensor Voltage	V	unsigned short	Byte 4=MSB, Byte 5=LSB		0=0V, 1023=5V
	KFuelTH2o	Coolant Temp Fuel Correction	%	unsigned char	Byte 6		0=0%, 255=400%
30D	KFuelTAir	Air Temp Fuel Correction	%	unsigned char	Byte 7	6	0=0%, 255=200%
	CrkCnt	Crank Rotation Counter		unsigned short	Byte 0=MSB, Byte 1=LSB		1 rev/bit
	KFuelBaro	Baro Pressure Fuel Correction	%	unsigned char	Byte 2		0=0%, 255=400%
	KFuelP	Fuel Pressure Fuel Correction	%	unsigned char	Byte 3		0=0%, 255=400%
	OSATAir	Air Temp Spark Advance Correction	deg	signed short	Byte 4=MSB, Byte 5=LSB		0.25 deg/bit
30E	RPMTARGETIdle	Target Idle Speed	rpm	unsigned short	Byte 6=MSB, Byte 7=LSB	6	1 rpm/bit
	KMH16LR	Left Rear Wheel Speed	kmh	unsigned short	Byte 0=MSB, Byte 1=LSB		0.01 kmh/bit
	KMH16RR	Right Rear Wheel Speed	kmh	unsigned short	Byte 2=MSB, Byte 3=LSB		0.01 kmh/bit
	KMH16LF	Left Front Wheel Speed	kmh	unsigned short	Byte 4=MSB, Byte 5=LSB		0.01 kmh/bit
	KMH16RF	Right Front Wheel Speed	kmh	unsigned short	Byte 6=MSB, Byte 7=LSB		0.01 kmh/bit
30F	KFuelLearn	Fuel Learn Value	%	signed short	Byte 0=MSB, Byte 1=LSB	6	0.39%/bit
	FuelLevel	Scaled Fuel Level	%	unsigned char	Byte 2		0.39%/bit
	FuelLevell	Raw Fuel Level	V	unsigned char	Byte 3		0=0V, 255=5V
	GearRatio	Gear Ratio (N/V)		unsigned short	Byte 4=MSB, Byte 5=LSB		255=R, 0=N
	AuxStat1	Auxiliary Functions Status 1		unsigned char	Byte 6		
	AuxStat2	Auxiliary Functions Status 2		unsigned char	Byte 7		

Auxiliary Functions Status 1

Bit 0 Gear Cut Switch input
 Bit 1 Headlamp flash
 Bit 2 Traction control active
 Bit 3 Launch control switch
 Bit 4 Pit lane limiter switch
 Bit 5 Cooling fan 1 output
 Bit 6 Map switch input
 Bit 7 Shift lamp output

Auxiliary Functions Status 2

Bit 0 Throttle Blip Input
 Bit 1 Cooling Fan 2 output
 Bit 2 Start switch input
 Bit 3 A/C request input
 Bit 4 MIL status
 Bit 5
 Bit 6
 Bit 7