



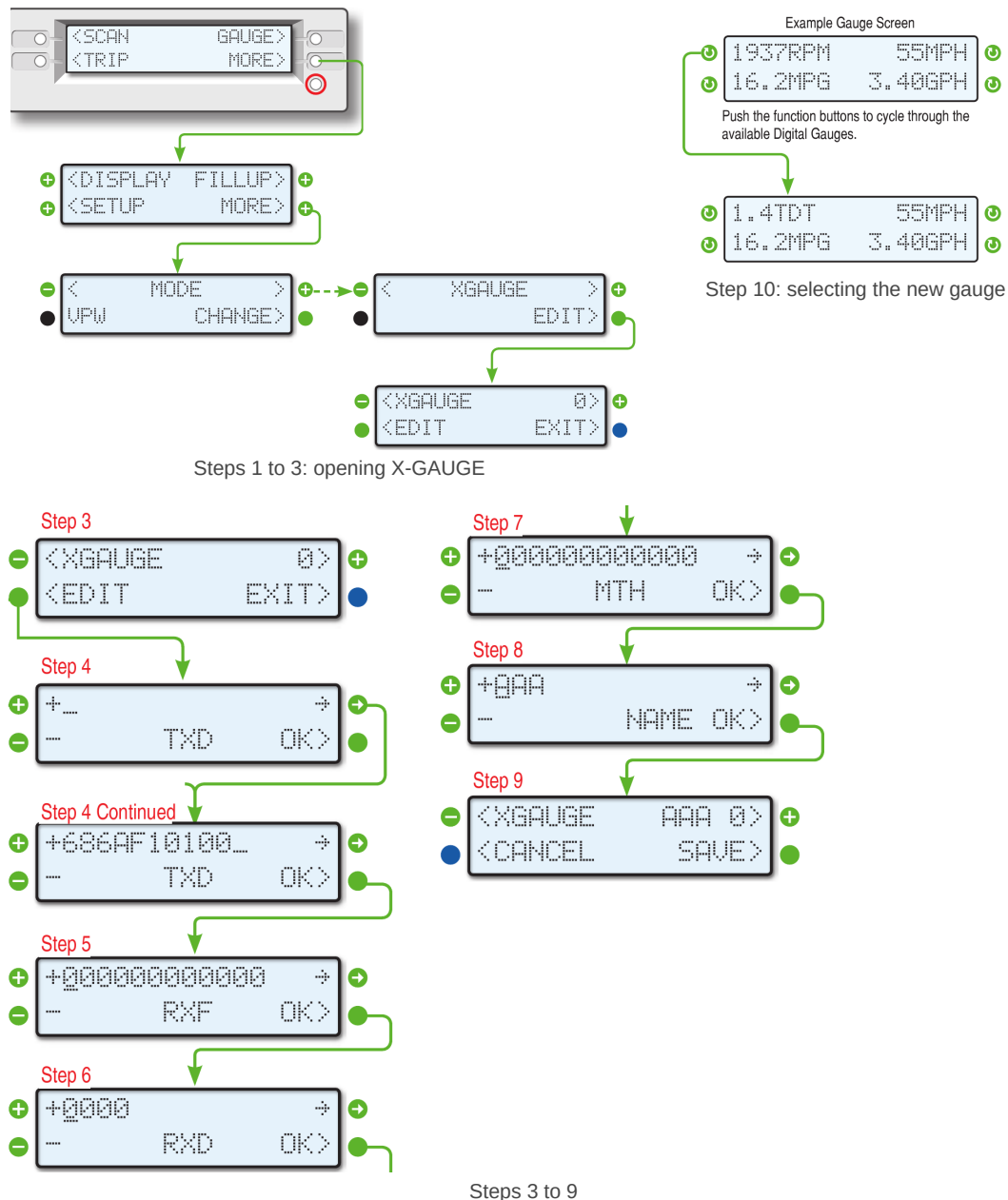
ScanGauge X-Gauge Command Reference

How to add an X-Gauge on ScanGauge II

Each row of the gauge list gives the TXD, RXF, RXD and MTH values and a Name. Enter them exactly as shown, character for character.

- From the Home Screen, press the lower right function button twice, next to **MORE**.
- Use the upper left and right function buttons to cycle through the options until the screen titled **X-GAUGE** appears. Press the lower right function button next to **EDIT**.
- Select an empty memory slot (0 to 24) with the upper left and right buttons. A slot in use shows its 3-letter name. Press **EDIT**.
- TXD** screen: enter the TXD value. The upper left button steps the character up, the lower left button steps it down, and the upper right button moves the cursor forward. Press **OK** for the next screen.
- RXF** screen: enter the RXF value, then press **OK**.
- RXD** screen: enter the RXD value, then press **OK**.
- MTH** screen: enter the MTH value, then press **OK**.
- NAME** screen: enter a 3-character name (use the Name column), then press **OK**.
- Press the lower right function button next to **SAVE**. Press **CANCEL** to discard. The name now appears next to the slot number.
- To show it: on the Gauge screen, press the function button next to a gauge position until the new name appears.

Tips: Entries must be an even number of characters; an odd entry gets a 0 added. The first TXD character must not be a space. Not every gauge works on every vehicle; check the firmware requirement in the Notes column before entering a gauge.



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BMW

F-Series BMW's equipped with 8-speed ZF Automatic Transmissions XGauges

5 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Oil Temperature (°F)	06F118225712	D56206573712	3810	00090005FFD8	TFT	4.42+ Required
Engine Oil Temperature (°F)	06F1182257A8	D562065737A8	3810	00090005FFD8	EOT	4.42+ Required
Actual Gear (#)	06F1182257CA	D562065737CA	3808	000100010000	GER	4.42+ Required
Torque Converter Speed (RPM)	06F1182257C2	D662075738C2	4010	000100010000	TCS	4.42+ Required
Engine Torque (Nm)	06F118220CEA	D562060C37EA	3810	000100010000	Nm	4.42+ Required

N55B30M0 Equipped E-Series BMW's

4 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	06F112220C40	D562060C3740	3810	000900320020	EOT	4.36+ Required
Rail Pressure (PSI)	06F112225495	D56206543795	3810	001D01900000	RPS	4.36+ Required
Transmission Temperature (°F)	06F1182120	556106202000	3010	00090005FFD8	TFT	4.36+ Required
Low Side Fuel Pressure (PSI)	06F1122254B7	D562065437B7	3810	001D07D00000	FPL	4.36+ Required

Fiat

Fiat 500 Abarth

5 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temp (°F)	18F1227860	C46205783660	3008	00090005FFC6	TFT	4.22+ Required
Engine Oil Temperature (°F)	10F122706E	C4620570366E	3010	000900050020	EOT	4.22+ Required
Current Gear (#)	10F12270E8	C462057036E8	3008	000100010000	GER	4.22+ Required
Injection Time (ms)	10F122508B	C4624550368B	3010	000100050000	INJ	4.22+ Required
Variable Valve Actuator Oil Temperature (°F)	10F122704B	C4620570364B	3010	00090005FFD8	VVA	4.22+ Required

Fiat 500X

11 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Pressure (PSI)	10F12202C2	C462050236C2	3008	001D00320000	EOP	4.22+ Required
Transmission Fluid Temperature (Degrees Fahrenheit)	18F12208DF	C462050836DF	3008	00090005FFD8	TFT	4.22 Required
Torque Converter Slip (RPM)	18F1222800	C46205283600	3010	000100010000	SLP	4.22 Required
Present Gear (#)	18F1222852	C46205283652	3404	000100010000	GER	4.22 Required
Torque Converter/Input Clutch State (States)	18F1222858	C46205283658	3008	000100010000	TCS	4.22 Required
Actual Crankshaft Torque (FT-Lbs)	18F1221050	C46205103650	3010	00250032FE8E	TRQ	4.22 Required
Maximum Engine Torque Requested By Transmission (Ft-Lbs)	18F122107A	C4620510367A	3010	00250032FE8E	MAX	4.22 Required
Transmission Turbine Speed (RPM)	18F122A002	C46205A03602	3010	000100040000	TTS	4.22 Required
Transmission Outputshaft Speed (RPM)	18F122A022	C46205A03622	3010	000100040000	TOS	4.22 Required
Axel Ratio (Ratio)	18F1228088	C32140000000	4008	010B00010000	AXL	4.22 Required
Transfer Case Low Ratio (Ratio)	18F1228088	C32140000000	3008	010B00010000	TCL	4.22 Required

Ford / Lincoln / Mercury

FORD - LINCOLN - MERCURY SPECIFIC PWM

14 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	C410F1221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Cylinder Head Temperature	C410F1221624	046205160624	3010	000200010000	CHT	Degrees Fahrenheit
Barometric Pressure	C410F1221127	046285110627	3008	000A00080000	BAR	Inches of Mercury
Fuel Pressure	616AF10123	044105230000	2810	000100570000	FP	PSI
Converter Speed Ratio	C410F12211BA	0462451106BA	3010	000100A40000	SLP	Out to in ratio
EGR Duty Cycle	C410F122113C	04628511063C	3010	03E87FFF0000	EGR	Percent
Torque Converter Line Pressure	C410F12211C0	0462851106C0	3008	000500010000	LPC	PSI
Transmission Gear ratio	C410F122163B	04624516063B	3008	00C8007F0000	GR	Ratio of RPM in to out
Torque into torque coverter	C410F122163A	04620516063A	3008	000200010000	CTQ	Ft-lbs
Transmission Output Shaft Speed	C410F12211B5	0462051106B5	3010	000100040000	OSS	RPM
Fuel Pump Duty Cycle	C410F1221672	046205160672	3008	006400800000	FP	Percent
Fuel Level	C410F12216C1	0462451606C1	3010	000101480000	FLV	Percent
Fuel Pump Pulse Width (Bank 1)	C410F1221141	046205110641	3010	000200010000	FP1	Counts
Fuel Pump Pulse Width (Bank 2)	C410F1221142	046205110642	3010	000200010000	FP2	Counts

FORD - LINCOLN - MERCURY SPECIFIC CANSF

18 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	07E0221E1C	0462051E061C	3010	000900500020	TFT	Degrees Fahrenheit
Transmission Fluid Temperature (Alternative #1)	07E1221E1C	0462051E061C	3010	000900500020	TFT	Degrees Fahrenheit
Transmission Fluid Temperature (Alternative #2)	07E0221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Transmission Fluid Temperature (Alternative #3)	07E1221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Fuel Level	07E02216C1	0462451606C1	3010	006401480000	FLV	Percent
Transmission Gear ratio	07E022163B	04624516063B	3008	00C8007F0000	GR	Ratio of RPM in to out
Fuel Pressure	07E00123	044105230000	2810	000100570000	FP	PSI
Transmission Output Shaft Speed	07E02211B5	0462051106B5	3010	000100040000	OSS	RPM
Fuel Pump Duty Cycle	07E0221672	046205160672	3008	006400800000	FP	Percent
EGR Duty Cycle	07E022113C	04628511063C	3010	03E87FFF0000	EGR	Percent
Fuel Pump Pulse Width (Bank 1)	07E0221141	046205110641	3010	000200010000	FP1	Counts
Fuel Pump Pulse Width (Bank 2)	07E0221142	046205110642	3010	000200010000	FP2	Counts

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Converter Speed Ratio	07E02211BA	0462451106BA	3010	000100A40000	SLP	Out to in ratio
Cylinder Head Temperature	07E0221624	046205160624	3010	000200010000	CHT	Degrees Fahrenheit
Torque into torque coverter	07E022163A	04620516063A	3008	000200010000	CTQ	Ft-lbs
Alt Torque into torque converter	07E122163A	04620516063A	3008	000200010000	CTQ	Ft-lbs
Barometric Pressure	07E0221127	046285110627	3008	000A00080000	BAR	Inches of Mercury
Torque Converter Line Pressure	07E02211C0	0462851106C0	3008	000500010000	LPC	PSI

7.3L DIESEL

10 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Boost	C410F1221440	046285140640	3010	001D0050XXXX	BST	XXXX - See table in usage notes
Manifold Air Temperature	C410F12216E0	0462051606E0	3008	00090005FFD8	MAT	Degrees Fahrenheit
IPR Duty Cycle	C410F1221434	046285140634	3008	03E800FF0000	IPR	Percent
Volume Fuel Desired	C410F1221411	046245140611	3010	006400100000	VFD	Cubic mm
Exhaust Back Pressure	C410F1221445	046285140645	3010	001D00500000	EBP	PSI
Mass Fuel Desired	C410F1221412	046245140612	3010	006400100000	MFD	Mg per Stroke
Fuel Pulse Width	C410F1221410	046245140610	3010	000400050000	FPW	Milliseconds
Transmission Fluid Temperature	C410F1221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Injection Control Pressure	C410F1221446	046205140646	3010	0047007D0000	ICP	PSI
Engine Oil Temperature	C410F1221310	046245130610	3010	00090005F060	EOT	Degrees Fahrenheit

6.0L DIESEL

23 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	07E1221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Engine Oil Temperature	07E0221310	046245130610	3010	00090005F060	EOT	Degrees Fahrenheit
Injection Control Pressure	07E0221446	046205140646	3010	003900640000	ICP	PSI (may not work on '03 and '04 models - use ICV instead)
ICP Voltage	07E02216AD	0462451606AD	3008	006400330000	ICV	Volts (use instead of ICP for some '03-'04 models)
FICM Main Power	07E02209D0	0462450906D0	3010	006401000000	FMP	Volts
FICM Logic Power	07E02209CF	0462450906CF	3010	006401000000	FLP	Volts
FICM signals for Camshaft and Crankshaft positions are in sync	07E02209CD	0462050906CD	3601	000100010000	SYC	1 = in sync 0 = not in sync
IPR Duty Cycle	07E0221434	046285140634	3008	00FA00400000	IPR	Percent

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Intake Air Temperature 1	07E0221123	046205110623	3008	000200010000	IA1	Degrees Fahrenheit
VGT Duty Cycle	07E022096D	04620509066D	3010	00647FFF0000	VGT	Percent
Intake Air Temperature 2	07E02216A8	0462051606A8	3010	000100010000	IA2	Degrees Fahrenheit
Manifold Air Temperature	07E02216E0	0462051606E0	3008	00090005FFD8	MAT	Degrees Fahrenheit
Fan Speed Sensor	07E022099F	04620509069F	3010	000100040000	FSS	RPM
EGR Throttle Position Signal	07E022096C	04620509066C	3010	00647FFF0000	ETP	Percent - 2005+ on 6.0L
Gear	07E12211B3	0462051106B3	3008	000100020000	GER	
VREF	07E0221155	046245110655	3010	006433330000	CVI	Calibration Voltage Input
EGR Valve Position Desired	07E02209D2	0462050906D2	3010	00647FFF0000	EVD	Percent
Exhaust Back Pressure	07E0221445	046285140645	3010	001D00500000	EBP	PSI - 2005+ on 6.0L
EGR Valve Position Measured	07E02209FE	0462050906FE	3010	00647FFF0000	EVM	Low % = Close EGR Valve
Mass Fuel Desired	07E0221412	046245140612	3010	006400100000	MFD	Mg per Stroke
Volume Fuel Desired	07E0221411	046245140611	3010	006400100000	VFD	Cubic mm
Fuel Level	07E02216C1	0462451606C1	3010	006401480000	FLV	Percent
Boost	07E0221440	046285140640	3010	001D0050XXXX	BST	XXXX - See table in usage notes

6.4L DIESEL

17 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	07E1221674	046205160674	3010	000100080000	TFT	Degrees Fahrenheit
Engine Oil Temperature	07E0221310	046245130610	3010	00090005F060	EOT	Degrees Fahrenheit
EGR Temperature A	07E022115F	04620511065F	3010	00090032FFD8	ERA	Degrees Fahrenheit
EGR Temperature B	07E0221161	046205110661	3010	00090032FFD8	ERB	Degrees Fahrenheit
Exhaust Gas Temp (Before Catalyst)	07E0220991	046205090691	3010	00090005FFD8	EGT	Degrees Fahrenheit
Exhaust Gas Temp (After Catalyst)	07E0220992	046205090692	3010	00090005FFD8	EGA	Degrees Fahrenheit
Exhaust Gas Temp (After DPF)	07E0221171	046205110671	3010	00090005FFD8	DFT	Degrees Fahrenheit
VGT Duty Cycle	07E022096D	04620509066D	3010	00647FFF0000	VGT	Percent
Intake Air Temperature 2	07E02216A8	0462051606A8	3010	000100010000	IA2	Degrees Fahrenheit
Fan Speed Sensor	07E022099F	04620509069F	3010	000100040000	FSS	RPM
EGR Throttle Position Signal	07E022096C	04620509066C	3010	00647FFF0000	ETP	Percent - 2005+ on 6.0L
Gear	07E12211B3	0462051106B3	3008	000100020000	GER	
EGR Valve Position Desired	07E02209D2	0462050906D2	3010	00647FFF0000	EVD	Percent
Exhaust Back Pressure	07E0221445	046285140645	3010	001D00500000	EBP	PSI - 2005+ on 6.0L
Mass Fuel Desired	07E0221412	046245140612	3010	006400100000	MFD	Mg per Stroke

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Fuel Level	07E02216C1	0462451606C1	3010	006401480000	FLV	Percent
Boost	07E0221440	046285140640	3010	001D0050XXXX	BST	XXXX - See table in usage notes

6.7L DIESEL

18 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	07E1221E1C	0462051E061C	3010	000900500020	TFT	Degrees Fahrenheit
Fuel Volume Control Valve Duty Cycle	07E02203C2	0462050306C2	3008	006400FF0000	VCV	Percent
Fuel Pressure Control Valve Duty Cycle	07E02203C3	0462050306C3	3008	006400FF0000	PCV	Percent
Fan Speed Desired	07E02203B9	0462050306B9	3008	006400FF0000	FAN	Percent
Alternator Duty Cycle	07E0220378	046205030678	3010	000101480000	ADC	Percent
Mass Airflow Sensor Frequency	07E022033D	04620503063D	3010	000100040000	Hz	Hertz
Engine Oil Temperature	07E022F45C	046205F4065C	3008	00090005FFD8	EOT	Degrees Fahrenheit
Engine Oil Life (%)	07E022054B	04620505064B	3008	000100010000	OLF	
EGR Temperature	07E022F46B	056206F4076B	4008	00090005FFD8	EGR	Degrees Fahrenheit
Exhaust Gas Temp 1	07E022F478	056206F40778	4010	00090032FFD8	EG1	Degrees Fahrenheit
Exhaust Gas Temp 2	07E022F478	032100000000	1810	00090032FFD8	EG2	Degrees Fahrenheit
Exhaust Gas Temp 3	07E022F478	032100000000	2810	00090032FFD8	EG3	Degrees Fahrenheit
Exhaust Gas Temp 4	07E022F478	032100000000	3810	00090032FFD8	EG4	Degrees Fahrenheit
Fuel Level	07E022F42F	046205F4062F	3008	006400FF0000	FLV	Percent
DPF Regen Status	07E022F48B	056226F4078B	4701	000100010000	RGN	On/Off
DPF Soot Load	07E022042C	04628504062C	3010	00D100FAFDDD	STL	%
DPF Soot Load (%)	07E0220579	046205050679	3010	000100010000	STL	2017+
Ambient Air Temperature	07E022F446	046205F40646	3008	00090005FFD8	AIR	Degrees Fahrenheit

3.0L & 3.2L Diesel

21 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Fuel Rail Pressure (1000's of PSI)	07E0229DA2	C462459D36A2	3010	009103E80000	KPS	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 1 (°F)	07E0229DD4	C562069D37D4	4010	000100070000	EG1	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 2 (°F)	07E0229DD4	C32100000000	1810	000100070000	EG2	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 3 (°F)	07E0229DD4	C32100000000	2810	000100070000	EG3	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 4 (°F)	07E0229DD4	C32100000000	3810	000100070000	EG4	4.22+ Required
DPF Regen Status (On/Off)	07E0229D63	C562269D3763	4701	000100010000	RGN	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
DPF Soot Load (%)	07E0229D63	C562069D3763	4808	006400FF0000	STL	4.22+ Required
Average Distance Between DPF Regenerations (Miles)	07E0229D63	C32100000000	2810	001F00320000	AVD	4.22+ Required
Distance Since Last DPF Regen (Miles)	07E0220A18	C562860A3718	3810	001F00320000	DST	4.22+ Required
Diesel Particulate Filter Bank 1 Inlet Pressure (PSI)	07E0229DD6	C32140000000	1810	0064002B20000	PIP	4.22+ Required
Average Time Between DPF Regenerations (Minutes)	07E0229D63	C32100000000	1810	000100010000	ATB	4.22+ Required
Fuel Balancing Rate Quantity for Cylinder 1 (grams)	07E0226043	C46245603643	3010	000100020000	BR1	4.22+ Required
Fuel Balancing Rate Quantity for Cylinder 2 (grams)	07E0226063	C46245603663	3010	000100020000	BR2	4.22+ Required
Fuel Balancing Rate Quantity for Cylinder 3 (grams)	07E0226049	C46245603649	3010	000100020000	BR3	4.22+ Required
Fuel Balancing Rate Quantity for Cylinder 4 (grams)	07E0226069	C46245603669	3010	000100020000	BR4	4.22+ Required
Charge Air Temperature (°F)	07E0222858	C46205283658	3008	00090005FFD8	CAT	4.22+ Required
Fuel Balancing Rate Quantity for Cylinder 5 (grams)	07E0223037	C46245303637	3010	000100020000	BR5	4.22+ Required
Calculated Soot In Oil (Grams)	07E0222840	C46245283640	3010	0064007D0000	OSC	4.22+ Required
Days Since Last Oil Change (Days)	07E02228FA	C562462837FA	3010	0001000A0000	DAY	4.22+ Required
Engine Oil Level (%)	07E0222848	C46205283648	3008	000100020000	OIL	4.22+ Required
Exhaust Gas Differential Pressure (PSI)	07E02222B6	C462452236B6	3010	0064035E0000	EDP	4.22+ Required

FORD ESCAPE HYBRID

25 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
4 Wheel Drive Engaged	07E022A211	046225A20611	3401	000100010000	4WD	On/Off
Motor Coil Temp	07E1224970	046285490670	3010	001200010140	MCO	Degrees Fahrenheit
Generator Coil Temp	07E1224972	046285490672	3010	001200010140	GCO	Degrees Fahrenheit
Fuel Rail Pressure	07E022168C	04628516068C	3010	000A00800000	FRP	PSI
Max Battery Module Temp Change	0745224911	046285490611	4008	00120001FE70	TXC	Degrees Fahrenheit
Avg Battery Module Temp	0745224911	046285490611	4808	00120001FE70	TAV	Degrees Fahrenheit
A/C Clutch Commanded On	07E0221101	046225110601	3701	000100010000	AC	On/Off
Min Battery Module Temp	0745224911	046285490611	3808	00120001FE70	TMN	Degrees Fahrenheit
Discharge Limit	074522A90F	046285A9060F	3008	000500010000	MXD	Amps
Max Battery Module Temp	0745224911	046285490611	3008	00120001FE70	TMX	Degrees Fahrenheit
Module Delta Voltage	074522A911	046245A90611	3008	017700400000	MDV	Volts
Charge Limit	074522A912	046285A90612	3008	000500010000	MXC	Amps
Fuel Rail Temperature	07E022168E	04620516068E	3008	000200010000	FRT	Degrees Fahrenheit

Gauge	TXD	RXF	RXD	MTH	Name	Notes
eCVT Temp	07E1221674	046285160674	3010	000A00080000	TXT	Degrees Fahrenheit
Long Term Fuel Trim	07E0220007	046285000607	3008	007D0010FC18	LFT	Percent
Motor Electronics Coolant Temp	07E1224983	046285490683	3008	00120001FE70	MEC	Degrees Fahrenheit
Catalyst Temperature	07E022003C	04620500063C	3010	00090032FFD8	CAT	Degrees Fahrenheit
Traction Motor Speed	07E122496A	04620549066A	3010	000100010000	TRR	RPM
Generator Motor Speed	07E1224973	046205490673	3010	000100010000	GNR	RPM
Traction Battery Voltage	074522490B	04620549060B	3010	007D10000000	TBV	Volts
Traction Battery Temp	074522A914	046285A90614	3008	00120001FE70	BTM	Degrees Fahrenheit
Traction Battery Voltage (Alt)	07E122490B	04620549060B	3010	007D10000000	TBV	Volts
Traction Battery State-of-Charge	0745224923	046285490623	3010	007D20000000	SOC	Percent
Cylinder Head Temperature	07E0221624	046205160624	3010	000200010000	CHT	Degrees Fahrenheit
Barometric Pressure	07E0221127	046285110627	3008	000A00080000	BAR	Inches of Mercury

General Motors (GM)

GM SPECIFIC CANSF

9 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	07E2221940(01)	046205190640	3008	00090005FFD8	TFT	Degrees Fahrenheit
Alt Trans Fluid Temperature	07E0221940(01)	046205190640	3008	00090005FFD8	TFT	Degrees Fahrenheit
Remaining Oil Life	07E022119F(01)	04628511069F	3008	00C800330000	OLF	Percent
Engine Torque	07E02219DE(01)	0462851906DE	3010	000A00020000	TRQ	Ft-Lbs
Air to Fuel Ratio	07E022119E(01)	04628511069E	3008	000100010000	AFR	Ratio
Barometer V6	07E0221251(01)	046285120651	3008	000300010000	BAR	Inches of Mercury
Barometer V8	07E022119D(01)	04628511069D	3008	000300010000	BAR	Inches of Mercury
Knock Retard	07E02211A6(01)	0462851106A6	3008	002D00320000	KR	Degrees
Elapsed Time Since Engine Start	07E02211A1(01)	0462051106A1	3010	000100010000	ET	Seconds

GM SPECIFIC VPW

9 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature	6C10F1221940(01)	046205190640	3008	00090005FFD8	TFT	Degrees Fahrenheit
Alt Trans Fluid Temperature	6C18F1221940(01)	046205190640	3008	00090005FFD8	TFT	Degrees Fahrenheit
Remaining Oil Life	6C10F122119F(01)	04628511069F	3008	00C800330000	OLF	Percent
Engine Torque	6C10F12219DE(01)	0462851906DE	3010	000A00020000	TRQ	Ft-Lbs
Air to Fuel Ratio	6C10F122119E(01)	04628511069E	3008	000100010000	AFR	Ratio
Knock Retard	6C10F12211A6(01)	0462851106A6	3008	002D00320000	KR	Degrees
Barometer V8	6C10F122119D(01)	04628511069D	3008	000300010000	BAR	Inches of Mercury
Barometer V6	6C10F1221251(01)	046285120651	3008	000300010000	BAR	Inches of Mercury
Elapsed Time Since Engine Start	6C10F12211A1(01)	0462051106A1	3010	000100010000	ET	Seconds

LB7 & LLY Duramax

22 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature	6C18F122194001	046205190640	3008	00090005FFD8	TFT	Degrees Fahrenheit
Oil Pressure (2003+)	6C10F122147001	046205140670	3008	001D00320000	OIL	PSI
Desired Fuel Pressure	6C10F122163D01	04624516063D	3008	0091000A0000	DFP	1000's of PSI
Actual Fuel Pressure	6C10F122163E01	04624516063E	3008	0091000A0000	AFP	1000's of PSI

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Desired Vane Position	6C10F122154001	046205150640	3008	006400FF0000	DVN	Percent
Actual Vane Position	6C10F122154301	046205160643	3008	006400FF0000	AVN	Percent
Injector Pulse Width 1	6C10F122119301	046245110693	3010	00C800830000	PW1	Milliseconds
Injector Pulse Width 2	6C10F122119401	046245110694	3010	00C800830000	PW2	Milliseconds
Injector Pulse Width 3	6C10F122119501	046245110695	3010	00C800830000	PW3	Milliseconds
Injector Pulse Width 4	6C10F122119601	046245110696	3010	00C800830000	PW4	Milliseconds
Injector Pulse Width 5	6C10F122119701	046245110697	3010	00C800830000	PW5	Milliseconds
Injector Pulse Width 6	6C10F122119801	046245110698	3010	00C800830000	PW6	Milliseconds
Injector Pulse Width 7	6C10F122119901	046245110699	3010	00C800830000	PW7	Milliseconds
Injector Pulse Width 8	6C10F122119A01	04624511069A	3010	00C800830000	PW8	Milliseconds
Balance Rate 1	6C10F122162F01	04628516062F	3010	00050020EC00	BR1	Cubic mm per Stroke
Balance Rate 2	6C10F122163001	046285160630	3010	00050020EC00	BR2	Cubic mm per Stroke
Balance Rate 3	6C10F122163101	046285160631	3010	00050020EC00	BR3	Cubic mm per Stroke
Balance Rate 4	6C10F122163201	046285160632	3010	00050020EC00	BR4	Cubic mm per Stroke
Balance Rate 5	6C10F122163301	046285160633	3010	00050020EC00	BR5	Cubic mm per Stroke
Balance Rate 6	6C10F122163401	046285160634	3010	00050020EC00	BR6	Cubic mm per Stroke
Balance Rate 7	6C10F122163501	046285160635	3010	00050020EC00	BR7	Cubic mm per Stroke
Balance Rate 8	6C10F122163601	046285160636	3010	00050020EC00	BR8	Cubic mm per Stroke

LBZ Duramax

17 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Cylinder 1 Balancing Rate (cubic mm)	07E02CFE1AEA	D2E883FE0000	1810	00050020EC00	BR1	4.42 Required
Cylinder 2 Balancing Rate (cubic mm)	07E02CFE1A90	D2E883FE0000	1810	00050020EC00	BR2	4.42 Required
Cylinder 3 Balancing Rate (cubic mm)	07E02CFE1AB0	D2E883FE0000	1810	00050020EC00	BR3	4.42 Required
Cylinder 4 Balancing Rate (cubic mm)	07E02CFE1A92	D2E883FE0000	1810	00050020EC00	BR4	4.42 Required
Cylinder 5 Balancing Rate (cubic mm)	07E02CFE1AB2	D2E883FE0000	1810	00050020EC00	BR5	4.42 Required
Cylinder 6 Balancing Rate (cubic mm)	07E02CFE1A98	D2E883FE0000	1810	00050020EC00	BR6	4.42 Required
Cylinder 7 Balancing Rate (cubic mm)	07E02CFE1AB8	D2E883FE0000	1810	00050020EC00	BR7	4.42 Required
Cylinder 8 Balancing Rate (cubic mm)	07E02CFE1A9A	D2E883FE0000	1810	00050020EC00	BR8	4.42 Required
Engine Oil Pressure (PSI)	07E02CFE1894	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Fuel Rail Pressure (1000's of PSI)	07DF0123	044145230000	2810	001D00C80000	FRP	
Fuel Level (%)	07E02CFE122D	D2E803FE0000	1808	006400FF0000	FLV	4.42 Required
Fuel Temperature (Degrees Fahrenheit)	07E02CFE304C	D2E803FE0000	1808	00090005FFD8	FLT	4.42 Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Turbocharger Vane Position (%)	07E02CFE3826	D2E803FE0000	1808	006400FF0000	TVP	4.42 Required
Engine Oil Life Remaining (%)	07E02CFE307B	D2E803FE0000	1808	006400FF0000	EOL	4.42 Required
Barometric Pressure (PSI)	07E00133	044185330000	2808	001D00140000	BPS	
Main Injection Timing (Degrees)	07E02CFE1AF0	D2E803FE0000	1808	00010001FF80	INJ	4.42 Required
Engine Fuel Injector Pulse Width (ms)	07E02CFE3033	D2E803FE0000	1810	00C800830000	1PW	4.42 Required

LMM Duramax

26 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E883FE0000	1810	00050020EC00	BR1	4.42 Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E883FE0000	1810	00050020EC00	BR2	4.42 Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E883FE0000	1810	00050020EC00	BR3	4.42 Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E883FE0000	1810	00050020EC00	BR4	4.42 Required
Balancing Rate Cylinder 5 (Cubic mm)	07E02CFE1AB2	D2E883FE0000	1810	00050020EC00	BR5	4.42 Required
Balancing Rate Cylinder 6 (Cubic mm)	07E02CFE1A98	D2E883FE0000	1810	00050020EC00	BR6	4.42 Required
Balancing Rate Cylinder 7 (Cubic mm)	07E02CFE1AB8	D2E883FE0000	1810	00050020EC00	BR7	4.42 Required
Balancing Rate Cylinder 8 (Cubic mm)	07E02CFE1A9A	D2E883FE0000	1810	00050020EC00	BR8	4.42 Required
DPF Delta Pressure (PSI)	07E02CFE9020	D2E883FE0000	1810	001D00C8ED70	DDP	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DIS	4.42 Required
DPF Regeneration Reason (State)	07E02CFE90DA	D2E803FE0000	1808	000100010000	RGR	4.42 Required
DPF Regeneration Status (0 = off, 1 = Active, 2 = Completed, 3 = Inhibited)	07E02CFE90F8	D2E803FE0000	1808	000100010000	RGN	4.42 Required
DPF Regenerations Completed (#)	07E02CFE9066	D2E803FE0000	1810	000100010000	RGC	4.42 Required
DPF Soot Mass (Grams)	07E02CFE906C	D2E803FE0000	1810	000100640000	STM	4.42 Required
EGR Cooler Temp Sensor 1 (Degrees Fahrenheit)	07E02CFE9004	D2E803FE0000	1810	00090032FFD8	ER1	4.42 Required
EGR Cooler Temp Sensor 2 (Degrees Fahrenheit)	07E02CFE9024	D2E803FE0000	1810	00090032FFD8	ER2	4.42 Required
Desired Boost Pressure (PSI)	07E02CFE9022	D2E803FE0000	1810	001D00C80000	DBP	4.42 Required
EGR Position Sensor (%)	07E02CFE3016	D2E803FE0000	1808	006400FF0000	EGP	4.42 Required
Engine Oil Pressure (PSI)	07E02CFE1894	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Exhaust Gas Temperature 1 (Degrees Fahrenheit)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required
Exhaust Gas Temperature 2 (Degrees Fahrenheit)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Intake Air Temperature 2 (Degrees Fahrenheit)	07E02CFE800A	D2E803FE0000	1808	00090005FFD8	IA2	4.42 Required
Transmission Gear Selected (State)	07E22CFE52AE	D2EA03FE0000	1808	000100010000	GER	4.42 Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (Degrees Fahrenheit)	07E22CFE7004	D2EA03FE0000	1808	00090005FFD8	TFT	4.42 Required
Fuel Pressure (1000's of PSI)	07DF0123	044145230000	2810	001D00C80000	FRP	
Fuel Rail Pressure Desired (1000's of PSI)	07E02CFE9043	D2E843FE0000	1810	001D00C80000	FPD	4.42 Required

LML Duramax

24 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E883FE0000	1810	00050020EC00	BR1	4.42 Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E883FE0000	1810	00050020EC00	BR2	4.42 Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E883FE0000	1810	00050020EC00	BR3	4.42 Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E883FE0000	1810	00050020EC00	BR4	4.42 Required
Balancing Rate Cylinder 5 (Cubic mm)	07E02CFE1AB2	D2E883FE0000	1810	00050020EC00	BR5	4.42 Required
Balancing Rate Cylinder 6 (Cubic mm)	07E02CFE1A98	D2E883FE0000	1810	00050020EC00	BR6	4.42 Required
Balancing Rate Cylinder 7 (Cubic mm)	07E02CFE1AB8	D2E883FE0000	1810	00050020EC00	BR7	4.42 Required
Balancing Rate Cylinder 8 (Cubic mm)	07E02CFE1A9A	D2E883FE0000	1810	00050020EC00	BR8	4.42 Required
DPF Soot Mass (Grams)	07E02CFE906C	D2E803FE0000	1808	000100010000	STM	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DSR	4.42 Required
DPF Regeneration Status (0 = off, 1 = Active, 2 = Completed, 3 = Inhibited)	07E02CFE90F8	D2E803FE0000	1808	000100010000	RGN	4.42 Required
DEF Level (%)	07E02CFE903F	D2E883FE0000	1808	00C800330000	LVL	4.42 Required
DEF Range (Miles)	07E02CFE9055	D2E803FE0000	1810	000100100000	RNG	4.42 Required
Exhaust Gas Temperature 1 (Degrees Fahrenheit)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required
Exhaust Gas Temperature 2 (Degrees Fahrenheit)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Exhaust Gas Temperature 3 (Degrees Fahrenheit)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42 Required
Exhaust Gas Temperature 4 (Degrees Fahrenheit)	07E02CFE90C3	D2E803FE0000	1810	00090032FFD8	EG4	4.42 Required
Engine Oil Pressure (PSI)	07E02CFE1894	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Turbo Charger Variable Nozzle Turbine Position (%)	07E02CFE3826	D2E803FE0000	1808	006400FF0000	TCP	4.42 Required
NOX Sensor 1 Concentration (PPM)	07E02CFE90DB	D2E803FE0000	1808	0001000A0000	NX1	4.42 Required
NOX Sensor 2 Concentration (PPM)	07E02CFE9027	D2E803FE0000	1808	0001000A0000	NX2	4.42 Required
Boost Pressure Sensor (PSI)	07E02CFE80A7	D2E883FE0000	1810	000100450000	BPS	4.42 Required
Fuel Pressure (1000's of PSI)	07E02200A2	C462050036A2	3010	001D00C80000	FRP	
Fuel Rail Pressure Desired (1000's of PSI)	07E02CFE9043	D2E843FE0000	1810	001D00C80000	FPD	4.42 Required

LGH Duramax

28 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E883FE0000	1810	00050020EC00	BR1	4.42 Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E883FE0000	1810	00050020EC00	BR2	4.42 Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E883FE0000	1810	00050020EC00	BR3	4.42 Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E883FE0000	1810	00050020EC00	BR4	4.42 Required
Balancing Rate Cylinder 5 (Cubic mm)	07E02CFE1AB2	D2E883FE0000	1810	00050020EC00	BR5	4.42 Required
Balancing Rate Cylinder 6 (Cubic mm)	07E02CFE1A98	D2E883FE0000	1810	00050020EC00	BR6	4.42 Required
Balancing Rate Cylinder 7 (Cubic mm)	07E02CFE1AB8	D2E883FE0000	1810	00050020EC00	BR7	4.42 Required
Balancing Rate Cylinder 8 (Cubic mm)	07E02CFE1A9A	D2E883FE0000	1810	00050020EC00	BR8	4.42 Required
Ambient Humidity (%)	07E02CFEA220	D2E803FE0000	1808	006400FF0000	HUM	4.42 Required
DEF Level (%)	07E02CFE903F	D2E883FE0000	1808	00C800330000	LVL	4.42 Required
DPF Differential Pressure (PSI)	07E02CFEB2BA	D2E883FE0000	1808	003C007D0000	DPS	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DIS	4.42 Required
DPF Regeneration Status	07E02CFE90F8	D2E803FE0000	1808	000100010000	RGN	4.42 Required
DPF Regeneration Reason (State)	07E02CFE90DA	D2E803FE0000	1808	000100010000	RGR	4.42 Required
DPF Regenerations Completed (#)	07E02CFE9066	D2E803FE0000	1810	000100010000	RGC	4.42 Required
EGR Cooler Temp Sensor 1 (Degrees Fahrenheit)	07E02CFE9004	D2E803FE0000	1810	00090032FFD8	ER1	4.42 Required
DPF Soot Mass (Grams)	07E02CFE906C	D2E803FE0000	1808	000100010000	STM	4.42 Required
Engine Cooling Fan Speed (RPM)	07E02CFE1AE2	D2E883FE0000	1808	0010000010000	CFS	4.42 Required
EGR Cooler Temp Sensor 2 (Degrees Fahrenheit)	07E02CFE9024	D2E803FE0000	1810	00090032FFD8	ER2	4.42 Required
EGR Position Sensor (%)	07E02CFE3016	D2E803FE0000	1808	006400FF0000	EGP	4.42 Required
Exhaust Aftertreatment Fuel Injector Commanded (%)	07E02CFE90F1	D2E803FE0000	1808	006400FF0000	FIC	4.42 Required
Engine Oil Pressure (PSI)	07E02CFE1894	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Exhaust Gas Temperature Sensor 1 (Degrees Fahrenheit)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required
Exhaust Gas Temperature Sensor 2 (Degrees Fahrenheit)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Exhaust Gas Temperature Sensor 4 (Degrees Fahrenheit)	07E02CFE90C3	D2E803FE0000	1810	00090032FFD8	EG4	4.42 Required
Exhaust Gas Temperature Sensor 3 (Degrees Fahrenheit)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42 Required
Fuel Pressure (1000's of PSI)	07DF0159	044145590000	2810	001D00C80000	FRP	
Fuel Rail Pressure Desired (1000's of PSI)	07E02CFE9043	D2E843FE0000	1810	001D00C80000	FPD	4.42 Required

L5P Duramax

36 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temp	07E0221940	046205190640	3008	00090005FFD8	TFT	(°F)
DPF Soot Load (%)	07E02CFEB2C6	D2E803FE0000	1808	000100010000	STA	4.42 Required
DPF Regen Status (State)	07E02CFE8097	D2E803FE0000	1808	000100010000	RGS	4.42 Required
Engine Oil Life (%)	07E01AEC	445A05EC2000	2808	006400FF0000	EOL	4.42 Required
Intake Air Temp 1 (°F)	07E02CFE006A	D2E803FE0000	1808	00090005FFD8	IA1	4.42 Required
Fuel Filter Life (%)	07E01ACE	445A05CE2000	2808	006400FF0000	FFL	4.42 Required
Intake Air Temp 2 (°F)	07E02CFE800A	D2E803FE0000	1808	00090005FFD8	IA2	4.42 Required
Intake Air Temp 3 (°F)	07E02CFE8096	D2E803FE0000	1808	00090005FFD8	IA3	4.42 Required
Intake Air Humidity Sensor (%)	07E02CFEA202	D2E803FE0000	1808	006400FF0000	HUM	4.42 Required
Regeneration Status (On/Off)	07E0220063	C56226003763	4701	000100010000	RGN	4.42 Required
Average Distance Between DPF Regenerations (Miles)	07E02CFE80BF	D2E803FE0000	1810	001F00320000	ADB	4.42 Required
Average DPF Inlet Temperature During Regeneration (°F)	07E02CFE80D5	D2E803FE0000	1808	00090005FFD8	ART	4.42 Required
Average DPF Regeneration Time (Seconds)	07E02CFE80F5	D2E803FE0000	1808	000800010000	ADR	4.42 Required
DPF Differential Pressure Sensor (PSI)	07E02CFE809D	D2E883FE0000	1808	001D00140000	DPS	4.42 Required
Calculated DPF Exhaust Gas Flow Resistance (PSI)	07E02CFE80BD	D2E883FE0000	1810	000100450000	DFR	4.42 Required
Average Reductant Consumed (g/mile)	07E02CFEB244	D2E883FE0000	1810	0001003E0000	ARC	4.42 Required
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E843FE0000	1810	00050020EC00	BR1	4.42 Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E843FE0000	1810	00050020EC00	BR3	4.42 Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E843FE0000	1810	00050020EC00	BR2	4.42 Required
Balancing Rate Cylinder 5 (Cubic mm)	07E02CFE1AB2	D2E883FE0000	1810	00050020EC00	BR5	4.42 Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E843FE0000	1810	00050020EC00	BR4	4.42 Required
Balancing Rate Cylinder 6 (Cubic mm)	07E02CFE1A98	D2E883FE0000	1810	00050020EC00	BR6	4.42 Required
Balancing Rate Cylinder 7 (Cubic mm)	07E02CFE1AB8	D2E883FE0000	1810	00050020EC00	BR7	4.42 Required
Balancing Rate Cylinder 8 (Cubic mm)	07E02CFE1A9A	D2E883FE0000	1810	00050020EC00	BR8	4.42 Required
Calculated Nox Catalyst Efficiency (%)	07E02CFEB29B	D2E803FE0000	1808	006400FF0000	NCE	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DIS	4.42 Required
Engine Oil Pressure (PSI)	07E02CFEA22C	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Exhaust Gas Temp 1 (°F)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required
Exhaust Gas Temp 2 (°F)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Exhaust Gas Temp 4 (°F)	07E02200D4	C32100000000	3810	00090032FFD8	EG4	4.42 Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Exhaust Gas Temp 3 (°F)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42 Required
Exhaust Gas Temp 5 (°F)	07E0220051	C56206003751	4010	00090032FFD8	EG5	4.42 Required
Fuel Temperature (°F)	07E02CFE9250	D2E803FE0000	1808	00090005FFD8	FLT	4.42 Required
Main Injection Timing (Degrees)	07E02CFE007C	D2E803FE0000	1808	00020001FF2E	MIT	4.42 Required
Ambient Air Temp (°F)	07E02CFA2C8	D2E803FE0000	1808	00090005FFD8	AAT	4.42 Required
Fuel Rail Pressure Desired (1000's of PSI)	07E02CFE9043	D2E843FE0000	1810	001D00C80000	FPD	4.42 Required

LWN Duramax 2.8L

29 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temp	07E0221940	046205190640	3008	00090005FFD8	TFT	(°F)
DPF Soot Load (%)	07E02CFEB2C6	D2E803FE0000	1808	000100010000	STA	4.42 Required
DPF Regen Status (State)	07E02CFE8097	D2E803FE0000	1808	000100010000	RGS	4.42 Required
Regeneration Status (On/Off)	07E0220063	C56226003763	4701	000100010000	RGN	4.42 Required
Average Distance Between DPF Regenerations (Miles)	07E02CFE80BF	D2E803FE0000	1810	001F00320000	ADB	4.42 Required
Average DPF Inlet Temperature During Regeneration (°F)	07E02CFE80D5	D2E803FE0000	1808	00090005FFD8	ART	4.42 Required
Average DPF Regeneration Time (Seconds)	07E02CFE80F5	D2E803FE0000	1808	000800010000	ADR	4.42 Required
DPF Differential Pressure Sensor (PSI)	07E02CFE809D	D2E883FE0000	1808	001D00140000	DPS	4.42 Required
Calculated DPF Exhaust Gas Flow Resistance (PSI)	07E02CFE80BD	D2E883FE0000	1810	000100450000	DFR	4.42 Required
Average Reductant Consumed (g/mile)	07E02CFEB244	D2E883FE0000	1810	0001003E0000	ARC	4.42 Required
EGR Cooler Temp Sensor 1 (°F)	07E02CFE9004	D2E803FE0000	1810	00090032FFD8	GR1	4.42+ Required
EGR Cooler Temp Sensor 2 (°F)	07E02CFE9024	D2E803FE0000	1810	00090032FFD8	GR2	4.42+ Required
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E843FE0000	1810	00050020EC00	BR1	4.42 Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E843FE0000	1810	00050020EC00	BR3	4.42 Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E843FE0000	1810	00050020EC00	BR2	4.42 Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E843FE0000	1810	00050020EC00	BR4	4.42 Required
Calculated Nox Catalyst Efficiency (%)	07E02CFEB29B	D2E803FE0000	1808	006400FF0000	NCE	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DIS	4.42 Required
Intake Air Temp 3 (°F)	07E02CFE8096	D2E803FE0000	1808	00090005FFD8	IA3	4.42 Required
Intake Air Temp 2 (°F)	07E02CFE800A	D2E803FE0000	1808	00090005FFD8	IA2	4.42 Required
Engine Oil Pressure (PSI)	07E02CFA22C	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Exhaust Gas Temp 1 (°F)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Exhaust Gas Temp 2 (°F)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Exhaust Gas Temp 4 (°F)	07E02200D4	C32100000000	3810	00090032FFD8	EG4	4.42 Required
Exhaust Gas Temp 3 (°F)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42 Required
Exhaust Gas Temp 5 (°F)	07E0220051	C56206003751	4010	00090032FFD8	EG5	4.42 Required
Fuel Temperature (°F)	07E02CFE9250	D2E803FE0000	1808	00090005FFD8	FLT	4.42 Required
Main Injection Timing (Degrees)	07E02CFE007C	D2E803FE0000	1808	00020001FF2E	MIT	4.42 Required
Ambient Air Temp (°F)	07E02CFEA2C8	D2E803FE0000	1808	00090005FFD8	AAT	4.42 Required

Chevy Cruze Diesel 2014 - 2015

22 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Exhaust Gas Temperature 1 (Degrees Fahrenheit)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG1	4.42 Required
Exhaust Gas Temperature 2 (Degrees Fahrenheit)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG2	4.42 Required
Exhaust Gas Temperature 3 (Degrees Fahrenheit)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42 Required
DPF Soot Mass (Grams)	07E02CFE906C	D2E803FE0000	1808	000100010000	STM	4.42 Required
DPF Regeneration Status	07E02CFE90F8	D2E803FE0000	1808	000100010000	RGN	4.42 Required
DEF Level (%)	07E02CFE903F	D2E883FE0000	1808	00C800330000	LVL	4.42 Required
Remaining DEF in Tank (lbs)	07E02CFEB264	D2E803FE0000	1810	000101C50000	LBS	4.42 Required
DEF Range (Miles)	07E02CFE9055	D2E803FE0000	1810	000100100000	RNG	4.42 Required
Average DEF Consumption (g/km)	07E02CFEB244	D2E843FE0000	1810	0001000A0000	ADC	4.42 Required
Intake Air Temperature 2 (Degrees Fahrenheit)	07E02CFE800A	D2E803FE0000	1808	00090005FFD8	IA2	4.42 Required
DEF Temperature (Degrees Fahrenheit)	07E02CFE903D	D2E803FE0000	1808	00090005FFD8	DTF	4.42 Required
Transmission Fluid Temperature (Degrees Fahrenheit)	07E22CFEA042	D2EA03FE0000	1808	00090005FFC6	TFT	4.42 Required
Intake Air Temperature 3 (Degrees Fahrenheit)	07E02CFE8096	D2E803FE0000	1808	00090005FFD8	IA3	4.42 Required
Torque Converter Clutch Slip Speed (RPM)	07E22CFE8240	D2EA03FE0000	1810	000100010000	TSS	4.42 Required
Engine Oil Pressure (PSI)	07E02CFEA22C	D2E803FE0000	1808	001D00320000	EOP	4.42 Required
Gear Ratio (x.xx:1)	07E22CFEA048	D2EA43FE0000	1808	003F00140000	GRT	4.42 Required
Current Gear	07E22CFEA200	D2EA03FE0000	1C04	000100010000	GER	4.42 Required
Number of Completed DPF Regenerations (#)	07E0520A	B32200000000	1808	000100010000	NCR	4.42 Required
Main Injection Timing (Degrees)	07E02CFE007C	D2E803FE0000	1808	00020001FF2E	MIT	4.42 Required
Distance Since Last DPF Regeneration (Miles)	07E02CFE90F0	D2E803FE0000	1810	001F00320000	DSR	4.42 Required
Fuel Temperature (Degrees Fahrenheit)	07E02CFE9250	D2E803FE0000	1808	00090005FFD8	FLT	4.42 Required
DPF Differential Pressure (PSI)	07E02CFEB2BA	D2E843FE0000	1808	007900190000	DPS	4.42 Required

Cruze Diesel 2016+

41 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E22CFE7004	D2EA03FE0000	1808	00090005FFD8	TFT	4.42+ Required
Engine Oil Temperature (°F)	07E02CFE301C	D2E803FE0000	1808	00090005FFD8	EOT	4.42+ Required
Engine Oil Pressure (PSI)	07E02CFEA22C	D2E883FE0000	1808	001D00050000	EOP	4.42+ Required
DPF Soot Accumulation (%)	07E02CFEB2C6	D2E803FE0000	1808	000100010000	STA	4.42+ Required
DPF Regen Status (On/Off)	07E02CFE9AD0	D2E823FE0000	1801	000100010000	RGN	4.42+ Required
DPF Temperature (°F)	07E02CFEB296	D2E803FE0000	1810	00090032FFD8	DPT	4.42+ Required
DPF Differential Pressure (PSI)	07E02CFE809D	D2E843FE0000	1808	001D00020000	DPS	4.42+ Required
Average DPF Inlet Temperature During Regen (°F)	07E02CFE80D5	D2E803FE0000	1810	00090032FFD8	ADT	4.42+ Required
Average Distance Between DPF Regenerations (Miles)	07E02CFE80BF	D2E803FE0000	1810	001F00320000	ADR	4.42+ Required
Distance Since Last DPF Regen (Miles)	07E02CFE90F0	D2E803FE0000	1810	026D03E80000	DSR	4.42+ Required
Exhaust Gas Temperature Sensor 1 (°F)	07E02CFE90D2	D2E803FE0000	1810	00090032FFD8	EG1	4.42+ Required
Exhaust Gas Temperature Sensor 2 (°F)	07E02CFE90F2	D2E803FE0000	1810	00090032FFD8	EG2	4.42+ Required
Exhaust Gas Temperature Sensor 3 (°F)	07E02CFE90E1	D2E803FE0000	1810	00090032FFD8	EG3	4.42+ Required
Average DEF Consumption (g/km)	07E02CFEB244	D2E843FE0000	1810	0001000A0000	ADC	4.42+ Required
Diesel Exhaust Fluid Level (%)	07E02CFE903F	D2E803FE0000	1808	006400FF0000	DEF	4.42+ Required
DEF Range (1000's of Miles)	07E02CFE98EA	D2E843FE0000	1810	001F01F40000	RNG	4.42+ Required
DEF Temperature (°F)	07E02CFE903D	D2E803FE0000	1808	00090005FFD8	DTF	4.42+ Required
DEF Pump Speed (RPM)	07E02CFE9882	D2E803FE0000	1810	000100080000	DES	4.42+ Required
DEF Pressure (PSI)	07E02CFE901D	D2E883FE0000	1808	001D0005FF6F	DEP	4.42+ Required
Balancing Rate Cylinder 1 (Cubic mm)	07E02CFE1AEA	D2E883FE0000	1810	00050020EC00	BR1	4.42+ Required
Balancing Rate Cylinder 2 (Cubic mm)	07E02CFE1A90	D2E883FE0000	1810	00050020EC00	BR2	4.42+ Required
Balancing Rate Cylinder 3 (Cubic mm)	07E02CFE1AB0	D2E883FE0000	1810	00050020EC00	BR3	4.42+ Required
Balancing Rate Cylinder 4 (Cubic mm)	07E02CFE1A92	D2E883FE0000	1810	00050020EC00	BR4	4.42+ Required
Barometric Pressure (PSI)	07E02CFE00B2	D2E883FE0000	1808	001D00140000	BAR	4.42+ Required
Charge Air Cooler Temperature (°F)	07E02CFE90E9	D2E803FE0000	1808	00090005FFD8	CAC	4.42+ Required
Charge Air Cooler Outlet Temperature (°F)	07E02CFE90CB	D2E803FE0000	1808	00090005FFD8	OUT	4.42+ Required
Desired Fuel Rail Pressure (PSI)	07E02CFE9043	D2E803FE0000	1810	009100640000	DFR	4.42+ Required
Desired Turbocharger Vane Position (%)	07E02CFE3804	D2E803FE0000	1808	006400FF0000	TDP	4.42+ Required
EGR Position Sensor (%)	07E02CFE3016	D2E803FE0000	1808	006400FF0000	EGR	4.42+ Required
Fuel Pressure Sensor (PSI)	07E02CFE0042	D2E803FE0000	1808	005700C80000	FPS	4.42+ Required
Fuel Rail Pressure (1000's of PSI)	07E02CFE00A2	D2E843FE0000	1810	001D00C80000	FRP	4.42+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Fuel Rail Pressure 2 (PSI)	07E02CFEB2DC	D2E803FE0000	1810	009100640000	FR2	4.42+ Required
Fuel Temperature (°F)	07E02CFE9250	D2E803FE0000	1808	00090005FFD8	FLT	4.42+ Required
Gear	07E02CFE72B0	D2E803FE0000	1808	00010001FFFD	GER	4.42+ Required
Intake Air Flow Valve Position (%)	07E02CFE805D	D2E803FE0000	1808	006400FF0000	IAV	4.42+ Required
Mass Airflow Sensor (g/s)	07E02CFE0010	D2E843FE0000	1810	000100010000	MAF	4.42+ Required
Nox Catalyst Efficiency (%)	07E02CFEB2B9	D2E803FE0000	1808	006400FF0000	NCE	4.42+ Required
Nox Concentration Sensor 1 (PPM)	07E02CFE90DB	D2E883FE0000	1810	0009000A0000	NO1	4.42+ Required
Nox Concentration Sensor 2 (PPM)	07E02CFE9027	D2E883FE0000	1810	0009000A0000	NO2	4.42+ Required
Turbocharger Vane Position Sensor (%)	07E02CFE3826	D2E803FE0000	1808	006400FF0000	TVP	4.42+ Required
Ambient Air Temperature (°F)	07E02CFEA2C8	D2E803FE0000	1808	00090005FFD8	AIR	4.42+ Required

Honda / Acura

Honda - Acura CANLF

3 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temp (°F)	EFF1228220	C32400000000	2808	00090005FFD8	TFT	4.50+ Required
Transmission Fluid Temp (°F) (Alternative)	EFF1229023	C32200000000	3808	00090005FFD8	ATF	4.50+ Required
CVT Temperature (°F)	EFF122A220	C32400000000	2808	00090005FFD8	CVT	4.50+ Required

Honda / Acura Hybrids

13 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge (%)	EFF1228012	C32100000000	2808	000100010000	SOC	4.50+ Required
HV Battery Usable Capacity (%)	EFF1228012	C32100000000	2008	000100010000	HUC	4.50+ Required
HV Battery Current (Amps)	EFF1228010	C32140000000	2010	000100010000	HVC	4.50+ Required
Battery Module Power (kW)	EFF1228020	C32380000000	3810	0001000640000	BMP	4.50+ Required
HV Battery Cell Max State of Charge (%)	EFF1228012	C32440000000	2810	000100010000	MXS	4.50+ Required
Motor Inverter Current (Amps)	EFF1228032	C32140000000	3010	000100010000	MIC	4.50+ Required
HV Battery Max Cell Voltage (mV)	EFF1228282	C32100000000	4010	000100050000	MXV	4.50+ Required
DC-DC Converter Temperature (°F)	EFF1228010	C32200000000	3010	000900320020	DCT	4.50+ Required
Battery Coolant Temperature (°F)	EFF1228020	C32200000000	2008	00090005FFD8	ECB	4.50+ Required
Generator Motor Speed (RPM)	EFF1228020	C32300000000	4808	004000010000	GMS	4.50+ Required
Outside Air Temperature (°F)	EFF1228020	C32400000000	2808	000900050020	AOV	4.50+ Required
HV Battery Fan 3 Speed (RPM)	EFF1228050	C32500000000	4008	006400010000	FS3	4.50+ Required
Temperature of Air In Vehicle (°F)	EFF1228020	C32400000000	2008	000900050020	AIV	4.50+ Required

CANLF

39 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature (F)	33F10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature (C)	33F10146	044105460000	2808	000100010000	AIR	Degrees Celsius
Barometric Pressure	33F10133	044105330000	2808	006400450000	PSI	Pounds Per Square Inch
Barometric Pressure	33F10133	044105330000	2808	000100010000	KPA	Kilopascals
Engine Run Time (Minutes)	33F1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time (Seconds)	33F1011F	0441051F0000	2810	000100010000	ERT	Seconds

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Fuel Level	33F1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Short Term Fuel Trim Bank 1	33F10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	33F10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	33F10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	33F10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
Long Term Fuel Trim Bank 1	33F10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	33F10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	33F10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	33F10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	33F10114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	33F10115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	33F10116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	33F10117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	33F10118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	33F10119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	33F1011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	33F1011B	0441051B0000	2808	000100020000	O24	0 to 99%
Catalyst Temperature (Bank 1, Sensor 1)	33F1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 1, Sensor 1)	33F1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 1, Sensor 2)	33F1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 1, Sensor 2)	33F1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 2, Sensor 1)	33F1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 2, Sensor 1)	33F1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 2, Sensor 2)	33F1013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 2, Sensor 2)	33F1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius
Exhaust Gas Temperature Bank 1, Sensor 1	33F10178	054106780000	3810	00090032FFD8	E11	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 2	33F10178	054106780000	4808	09000032FFD8	E12	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 3	33F10178	032100000000	2010	00090032FFD8	E13	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 4	33F10178	032100000000	3010	00090032FFD8	E14	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 1	33F10179	054106790000	3810	00090032FFD8	E21	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 2	33F10179	054106790000	4808	09000032FFD8	E22	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 3	33F10179	032100000000	2010	00090032FFD8	E23	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 4	33F10179	032100000000	3010	00090032FFD8	E24	Degrees Fahrenheit

ISO - VPW

50 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature	686AF10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature	686AF10146	044105460000	2808	00010001FFD8	AIR	Degrees Celsius
Barometric Pressure	686AF10133	044185330000	2808	006400450000	BAR	PSI
Barometric Pressure	686AF10133	044105330000	2808	000100010000	BAR	KPA
Engine Run Time	686AF1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time	686AF1011F	0441051F0000	2810	000100010000	ERT	Seconds
Fuel Level	686AF1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Horsepower	00	400080000000	0000	000A00170000	HPR	Gasoline Gross/Brake
Horsepower	00	400080000000	0000	000A00240000	HPR	Diesel Gross/Brake
Long Term Fuel Trim Bank 1	686AF10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	686AF10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	686AF10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	686AF10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
Short Term Fuel Trim Bank 1	686AF10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	686AF10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	686AF10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	686AF10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	686AF10114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	686AF10115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	686AF10116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	686AF10117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	686AF10118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	686AF10119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	686AF1011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	686AF1011B	0441051B0000	2808	000100020000	O24	0 to 99%
Alt A/F Ratio Bank General	686AF10144	044145440000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 1	686AF10124	044145240000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 2	686AF10125	044145250000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 3	686AF10126	044145260000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 4	686AF10127	044145270000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 1	686AF10128	044145280000	2808	05B900800000	A/F	Ratio of Air to Fuel

Gauge	TXD	RXF	RXD	MTH	Name	Notes
A/F Ratio Bank 2 - Sensor 2	686AF10129	044145290000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 3	686AF1012A	0441452A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 4	686AF1012B	0441452B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 1	686AF10134	044145340000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 2	686AF10135	044145350000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 3	686AF10136	044145360000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 4	686AF10137	044145370000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 1	686AF10138	044145380000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 2	686AF10139	044145390000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 3	686AF1013A	0441453A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 4	686AF1013B	0441453B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Catalyst Temperature Bank 1 - Sensor 1	686AF1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 1	686AF1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 1 - Sensor 2	686AF1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 2	686AF1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 1	686AF1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 1	686AF1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 2	686AF1013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 2	686AF1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius

Hyundai / Kia

HYUNDAI - KIA SPECIFIC CANSF

8 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature	07E121A0	032500000000	2008	00090005FFD8	TFT	Degrees Fahrenheit
Transmission Temperature Alternative	07E121A0	032200000000	2808	00090005FFD8	TFT	Degrees Fahrenheit
Transmission Temperature Alternative	07E021A0	032500000000	2008	00090005FFD8	TFT	Degrees Fahrenheit
Transmission Temperature Alternative	07E021A0	032200000000	2808	00090005FFD8	TFT	Degrees Fahrenheit
Transmission Temperature Alternative (°F)	07E1222081	C32200000000	3008	00090005FFD8	TFT	4.22+ Required
Engine Oil Temperature	07E02101	032500000000	2808	001B0014FFCA	EOT	Degrees Fahrenheit
Engine Oil Temperature Alternative	07E02103	032500000000	3008	001B0014FFCA	EOT	Degrees Fahrenheit
Engine Oil Temperature Alternative (°F)	07E0228520	C32580000000	3008	001B0002FDE0	EOT	4.22+ Required

Hyundai Ioniq Hybrid

24 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge (%)	07E42120	C32180000000	1808	000500010000	SOC	4.22+ Required
Battery Voltage (Volts)	07E42120	C32280000000	2010	000100010000	BTB	4.22+ Required
Hybrid Battery Current (Amps)	07DF0153	C32180000000	1810	000100010000	HBC	4.22+ Required
Engine Oil Temperature (°F)	07E0228520	C32500000000	3008	000D000AFFC6	EOT	4.22+ Required
Driver Motor Temperature (°F)	07E32102	C32200000000	2008	001200050020	DMT	4.22+ Required
MCU Temperature (°F)	07E32102	C32200000000	2808	001200050020	MCT	4.22+ Required
MCU GCU Temperature (°F)	07E32122	C32200000000	2808	001200050020	MGT	4.22+ Required
Generator HSG Temperature (°F)	07E32122	C32200000000	2008	001200050020	GST	4.22+ Required
Available Charge Power (Watts)	07E42120	C32100000000	2010	000100010000	AVC	4.22+ Required
Available Discharge Power (Watts)	07E42120	C32100000000	3010	000100010000	AVD	4.22+ Required
Accumulative Charge Current (Ah)	07E42120	C32580000000	1810	000100010000	ACC	4.22+ Required
Accumulative Discharge Current (Ah)	07E42120	C32580000000	3810	000100010000	ADC	4.22+ Required
Accumulative Discharge Power (kWh)	07E42120	C32680000000	4010	000100010000	ADP	4.22+ Required
Accumulative Charge Power (kWh)	07E42120	C32680000000	2010	000100010000	ACP	4.22+ Required
Fuel Level (%)	07E0228520	C32500000000	3808	000100010000	FLV	4.22+ Required
Torque Converter Turbine Speed (RPM)	07E0228530	C32500000000	2812	000100010000	TCS	4.52+ Required
Air to Fuel Ratio (#)	07E022851A	C32280000000	2012	000A01170000	A/F	4.52+ Required
Fuel Pressure (PSI)	07E02285A2	C32100000000	2012	0001000D0000	FPS	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Input Speed (RPM)	07E1222089	C32180000000	4808	000100010000	INP	4.22+ Required
Output Speed (RPM)	07E1222089	C32280000000	2010	000100010000	OUT	4.22+ Required
Current Gear (#)	07E1222089	C32300000000	4C04	000100010000	GER	4.22+ Required
Gear Ratio (#)	07E1222089	C32240000000	3010	000100010000	GRT	4.22+ Required
Clutch #1 Temperature (°F)	07E1222089	C32400000000	4010	00120005FFD8	CT1	4.22+ Required
Clutch #2 Temperature (°F)	07E1222089	C32500000000	1810	00120005FFD8	CT2	4.22+ Required

Mazda

MAZDA SPECIFIC CANSF

6 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature	07E02217B3	0462051706B3	3008	002A0019FFC7	TFT	Degrees Fahrenheit
Transmission Temperature (ALT 1)	07E12217B3	0462051706B3	3008	002A0019FFC7	TFT	Degrees Fahrenheit
Transmission Temperature (ALT 2)	07E0221E1C	0462051E061C	3010	000900500020	TFT	Degrees Fahrenheit
Transmission Temperature (ALT 3)	07E1221E1C	0462051E061C	3010	000900500020	TFT	Degrees Fahrenheit
Transmission Temperature (ALT 4)	07E02211BD	04620511061D	3010	000900050020	TFT	Degrees Fahrenheit
Transmission Temperature (ALT 5)	07E12211BD	04620511061D	3010	000900050020	TFT	Degrees Fahrenheit

Mercedes-Benz

Mercedes Equipped with 7G-Tronic Transmissions

7 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E12190	432200000000	1808	00090005FFC6	TFT	4.22+ Required
Current Gear (#)	07E12190	432100000000	4C04	000100010000	GER	4.22+ Required
Engine Torque (ft-Lbs)	07E12190	432200000000	2011	003B00500000	TRQ	4.53+ Required
Transmission Input Speed (RPM)	07E121B0	432100000000	1810	000100010000	TIS	4.22+ Required
Transmission Output Speed (RPM)	07E121B0	456106B02000	4010	000100010000	TOS	4.22+ Required
Torque Converter Slip Speed (RPM)	07E12190	456106902000	3010	000100010000	SLP	4.22+ Required
Incline (%)	07E12192	432140000000	2810	0001000A0000	INC	4.22+ Required

2014 - 2016 Mercedes E250 BlueTEC

25 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	07E0228032	C46205803632	3010	00090032FE34	EOT	4.22+ Required
Exhaust Temperature Upstream of Catalytic Converter (°F)	07E0222961	C46205293661	3010	00090032FE35	EUC	4.22+ Required
Exhaust Temperature Upstream of DPF (°F)	07E0228020	C46205803620	3010	00090032FE35	EUD	4.22+ Required
Exhaust Temperature Upstream of SCR (°F)	07E0222984	C46205293684	3010	00090032FE35	EUS	4.22+ Required
Exhaust Temperature Upstream of Turbo (°F)	07E0228E2C	C462058E362C	3010	00090032FE35	EUT	4.22+ Required
Regen Status (On/Off)	07DF018B	0541268B0000	3F01	000100010000	RGN	
DPF Fill Level (%)	07E0220444	C46205043644	3010	000100070000	DPF	4.22+ Required
Diesel Exhaust Fluid Level (%)	07DF0185	032100000000	2008	006400FF0000	DEF	
Total Regens of DPF (#)	07E0222529	C46205253629	3010	000100010000	TRG	4.22+ Required
Exhaust Pressure Sensor (PSI)	07E0228000	C46285803600	3010	001D00C80000	EPS	4.22+ Required
Fuel Pressure (PSI)	07E0228070	C46205803670	3010	001D00140000	PSI	4.22+ Required
Fuel in Tank (Gallons)	07E0221414	C46245143614	3008	052900320000	FLV	4.22+ Required
Fuel Pump Duty Cycle (%)	07E0222BB8	C462052B36B8	3008	000100020000	FPD	4.22+ Required
Fuel Temperature (°F)	07E0228060	C46205803660	3010	00090032FE35	FLT	4.22+ Required
Fuel Injection Timing (°)	07DF015D	0441855D0000	2810	000A0080F7CC	FIT	
Ambient Temperature (°F)	07E0228028	C46205803628	3010	00090032FE35	AIR	4.22+ Required
Atmospheric Pressure (PSI)	07E0228008	C46285803608	3010	001D00C80000	ATM	4.22+ Required
Charge Air Temperature (°F)	07E0228022	C46205803622	3010	00090032FE35	CAT	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Boost Pressure Sensor (Absolute PSI)	07E0228010	C46285803610	3010	001D00C80000	BPS	4.22+ Required
EGR Cooler Bypass Switchover Valve (%)	07E0228422	C46205843622	3011	001908000000	ECB	4.51+ Required
EGR Temp (°F)	07DF016B	0441056B0000	3008	00240005FFD8	EGR	
Current Engine Torque (ft-lbs)	07E022A482	C46205A43682	3011	003B03200000	TRQ	4.51+ Required
Drivers Demand Engine – Percent Torque (%)	07DF0161	044105610000	2808	00010001FF83	DET	
Actual Engine – Percent Torque (%)	07DF0162	044105620000	2808	00010001FF83	EPT	
Current Gear (#)	07E022140C	C4620514360C	3008	000100010000	GER	4.22+ Required

2019+ Mercedes Sprinter 3.0L Diesel

18 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Torque Converter Slip Speed (RPM)	5AF1220290	C56206023790	3810	000100010000	SLP	4.22+ Required
Transmission Fluid Temperature (°F)	5AF1220290	C32200000000	2008	00090005FFC6	TFT	4.22+ Required
Actual Gear (#)	5AF1220290	C32200000000	1C04	000100010000	GER	4.22+ Required
Diesel Exhaust Fluid Level (%)	33F10185	032100000000	2008	006400FF0000	DEF	4.22+ Required
DPF Soot Load (%)	33F1018B	0541068B0000	4008	006400FF0000	STL	4.22+ Required
EGT Upstream of Turbo (°F)	58F1228E2C	C462058E362C	3010	00090032FE35	EUT	4.22+ Required
Exhaust Temperature Upstream of SCR (°F)	58F1222984	C46205293684	3010	00090032FE35	EUS	4.22+ Required
EGT Upstream of DPF (°F)	58F1228020	C46205803620	3010	00090032FE35	EUP	4.22+ Required
Atmospheric Pressure (PSI)	58F122AC2E	C46245AC362E	3010	001D00140000	AMB	4.22+ Required
Fuel Level (Gallons)	58F1221414	C46285143614	3008	003500140000	FLV	4.22+ Required
Engine Oil Temperature (°F)	58F1228032	C46205803632	3010	00090032FE35	EOT	4.22+ Required
Charge Air Temperature (°F)	58F1228030	C46205803630	3010	00090032FE35	CAT	4.22+ Required
Boost Pressure (Absolute PSI)	58F1228010	C46245803610	3010	001D00140000	BPS	4.22+ Required
Fuel Pump Duty Cycle (%)	58F1222BB8	C462052B36B8	3008	000100020000	FPD	4.22+ Required
Fuel Pressure (PSI)	58F1228070	C46205803670	3010	001D00140000	PSI	4.22+ Required
Fuel Temperature (°F)	58F1228060	C46205803660	3010	00090032FE35	FLT	4.22+ Required
Ambient Temperature (°F)	58F1228028	C46205803628	3010	00090032FE35	AIR	4.22+ Required
Exhaust Back Pressure (PSI)	58F1228000	C46245803600	3010	001D00140000	EBP	4.22+ Required

2011+ Mercedes Sprinter 3.0L Diesel

19 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	07E02220AC	C32300000000	1810	00090032FE34	EOT	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Diesel Particulate Filter Load (%)	07E0222087	C56206203787	4808	0064001F0000	PFL	4.22+ Required
Transmission Oil Temperature (°F)	07E12190	432200000000	1808	00090005FFC6	TFT	4.22+ Required
Regen Status (On/Off)	07E02220A5	C32320000000	2808	000100010000	RGN	4.22+ Required
DPF Delta Pressure (PSI)	07E02220C4	C32540000000	2010	006400450000	DPD	4.22+ Required
Exhaust Gas Temperature Sensor Upstream of Turbocharger (°F)	07E0222083	C56206203783	4808	002E0001FE34	TUT	4.22+ Required
Exhaust Temperature Upstream of Diesel Particulate Filter (°F)	07E02220C4	C562062037C4	4808	002E0001FE34	DPF	4.22+ Required
Exhaust Temperature Upstream of Diesel Oxidation Catalytic Converter (°F)	07E02220D7	C562062037D7	3810	00090032FE34	DOC	4.22+ Required
Actual Gear (#)	07E12190	432100000000	4C04	000100010000	GER	4.22+ Required
Engine Torque (Nm)	07E022202B	C32280000000	4010	000100010000	ENT	4.22+ Required
Transmission Input Speed (RPM)	07E12190	432100000000	1810	000100010000	TIS	4.22+ Required
Transmission Torque Input (Nm)	07E02220FE	C32880000000	3010	000100010000	TQI	4.22+ Required
Transmission Output Speed (RPM)	07E12190	432200000000	4010	000100010000	TOS	4.22+ Required
Ratio of Current / Maximum Torque (%)	07E022202B	C32100000000	2810	001907F60000	CMT	4.22+ Required
Fuel Tank Level (Gallons)	07E02220EE	C32440000000	4808	008400050000	GAL	4.22+ Required
Boost Air Temperature (°F)	07E02220A6	C32300000000	3810	00090032FE34	BAT	4.22+ Required
Boost Pressure (PSI)	07E02220C4	C32380000000	3010	000A00450000	BPS	4.22+ Required
Exhaust Back Pressure (PSI)	07E02220C4	C562462037C4	3810	006400450000	EBP	4.22+ Required
Rail Pressure (PSI)	07E02220C4	C32600000000	2810	001D00140000	RPS	4.22+ Required

2014+ Mercedes Sprinter 2.1L Diesel

30 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	07E0228032	C46205803632	3010	00090032FE35	EOT	4.22+ Required
Transmission Oil Temperature (°F)	07E12190	432200000000	1808	00090005FFC6	TFT	4.22+ Required
Actual Gear (#)	07E12190	432100000000	4C04	000100010000	GER	4.22+ Required
EGT Upstream of Catalytic Converter (°F)	07E0222961	C46205293661	3010	00090032FE35	EUC	4.22+ Required
EGT Upstream of DPF (°F)	07E0228020	C46205803620	3010	00090032FE35	EUP	4.22+ Required
EGT Upstream of SCR (°F)	07E0222984	C46205293684	3010	00090032FE35	EUS	4.22+ Required
EGT Upstream of Turbo (°F)	07E0228E2C	C462058E362C	3010	00090032FE35	EUT	4.22+ Required
DPF Soot Load (%)	07DF018B	0541068B0000	4008	006400FF0000	STL	
Regen Status (On/Off)	07DF018B	0541268B0000	3F01	000100010000	RGN	
DPF Fill Level (%)	07E0220444	C46205043644	3010	000100070000	DPF	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Diesel Exhaust Fluid Level (%)	07E00185	032100000000	2008	006400FF0000	DEF	4.22+ Required
Total Regens of DPF (#)	07E0222529	C46205253629	3010	000100010000	TRG	4.22+ Required
DPF Differential Pressure (PSI)	07E0228018	C46245803618	3010	001D00140000	DIF	4.22+ Required
Exhaust Back Pressure (PSI)	07E0228000	C46245803600	3010	001D00140000	EBP	4.22+ Required
Rail Pressure (1000's of PSI)	07E0228070	C46245803670	3010	001D00C80000	RPS	4.22+ Required
Fuel Level (Gallons)	07E0221414	C46285143614	3008	003500140000	FLV	4.22+ Required
Fuel Pump Duty Cycle (%)	07E0222BB8	C462052B36B8	3008	000100020000	FPD	4.22+ Required
Fuel Temperature (°F)	07E0228060	C46205803660	3010	00090032FE35	FLT	4.22+ Required
Fuel Injection Timing (°)	07DF015D	0441855D0000	2810	000A0080F7CC	FIT	
Ambient Temperature (°F)	07E0228028	C46205803628	3010	00090032FE35	AIR	4.22+ Required
Atmospheric Pressure (PSI)	07E022AC2E	C46245AC362E	3010	001D00140000	AMB	4.22+ Required
Charge Air Temperature (°F)	07E0228030	C46205803630	3010	00090032FE35	CAT	4.22+ Required
Boost Pressure (PSI)	07E0228010	C46245803610	3010	001D00140000	BPS	4.22+ Required
EGR Cooler Bypass Switchover Valve (%)	07E0228422	C46205843622	3011	001908000000	ECB	4.51+ Required
EGR Temp (°F)	07DF016B	0441056B0000	3008	00240005FFD8	EGR	
Current Engine Torque (ft-lbs)	07E022A482	C46205A43682	3011	003B03200000	TRQ	4.51+ Required
Drivers Demand Engine – Percent Torque (%)	07DF0161	044105610000	2808	00010001FF83	DET	
Actual Engine – Percent Torque (%)	07DF0162	044105620000	2808	00010001FF83	EPT	
Transmission Input Speed (RPM)	07E12190	432100000000	1810	000100010000	TIS	4.22+ Required
Transmission Output Speed (RPM)	07E12190	432200000000	4010	000100010000	TOS	4.22+ Required

2012 - 2015 Mercedes GLK 250 Diesel

11 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1220290	C32200000000	2008	00090005FFC6	TFT	4.22+ Required
Oil Temperature (°F)	07E02220EE	C32300000000	3010	00090032FE35	EOT	4.22+ Required
Average Distance Between Regens (Miles)	07E0018B	032100000000	2010	001F00320000	ADR	
Temp Sensor Upstream of DPF (°F)	07E02220C4	0562062037C4	4808	002E00010000	UDP	4.22+ Required
Regen Status (On/Off)	07E0018B	0541268B0000	3F01	000100010000	RGN	
DPF Soot Load (grams)	07E02220A5	C32640000000	4010	000100010000	GRM	4.22+ Required
Charge Air Temperature (°F)	07E02220A6	C32300000000	3810	00090032FE35	CAT	4.22+ Required
Rail Pressure (1000's of PSI)	07E02220EE	C32340000000	4010	001D00C80000	PSI	4.22+ Required
Torque Converter Slip Speed (RPM)	07E1220290	C56206023790	3810	000100010000	SLP	4.22+ Required
DPF Soot Load (%)	07E0018B	0541068B0000	4008	006400FF0000	STL	

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Actual Gear (#)	07E1220290	C32200000000	1808	000100010000	GER	4.22+ Required

2013 Mercedes GLK 350 3.5L Gasoline

7 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Radiator Temperature (°F)	07E022803A	C4620580363A	3010	001B00200020	RAD	4.22+ Required
Fuel Tank Level (Gallons)	07E0228090	C46285803690	3010	0021007D0000	LVL	4.22+ Required
Fuel Rail Pressure (PSI)	07E02280B4	C462058036B4	3010	001D01900000	FPS	4.22+ Required
Transmission Fluid Temperature (°F)	07E12190	432200000000	1808	00090005FFC6	TFT	4.22+ Required
Engine Oil Temperature (°F)	07E0228039	C46205803639	3008	001B0014FFCA	EOT	4.22+ Required
Current Gear (#)	07E12190	432100000000	4C04	000100010000	GER	4.22+ Required
Torque Converter Slip Speed (RPM)	07E12190	456106902000	3808	000100010000	SLP	4.22+ Required

Mitsubishi

MITSUBISHI

3 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E12122	432100000000	4008	00090005FFBD	TFT	4.22+ Required
Transmission Temperature Alt (°F)	07E12102	432100000000	2008	00090005FFD8	TFT	4.22+ Required
CVT Temperature (°F)	07E12122	432200000000	2808	00090005FFBD	CVT	4.22+ Required

Worked on 2011 Mitsubishi Lancer Ralliart

6 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Current Gear	07E1219A	C461059A2000	2808	000100010000	GER	4.22+ Required
Transmission Fluid Temperature (°F)	07E121B2	C46105B22000	2808	00090005FFC6	TFT	4.22+ Required
Even Clutch Temperature (°F)	07E121A9	C46105A92000	3810	000900140020	EVN	4.22+ Required
Odd Clutch Temperature (°F)	07E121A9	C46105A92000	2810	000900140020	ODD	4.22+ Required
Ambient Air Temperature (°F)	07E00146	044105460000	2808	00090005FFD8	AIR	
Fuel Level (%)	07DF012F	0441052F0000	2808	006400FF0000	FLV	

2014 - 2021 Mitsubishi Outlander PHEV

9 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge (%)	07612101	010702620561	3008	00020005FFFB	SOC	4.50+ Required
Battery Charge Capacity (Ah)	07612101	010782620324	2810	000100010000	CAP	4.50+ Required
Battery Current (Amps)	07612101	010702620322	3010	00010001FEA2	AMP	4.50+ Required
Battery Current Charge (Ah)	07612101	010782620324	3810	000100010000	AHR	4.50+ Required
Battery Total Voltage (Volts)	07612101	010782620321	3810	000100010000	TBV	4.50+ Required
Max Module Temperature (°F)	07612101	010702620321	4808	00090005FFD8	MAX	4.50+ Required
Min Module Temperature (°F)	07612101	010702620322	2008	00090005FFD8	MIN	4.50+ Required
Max Temperature Module ID (#)	07612101	010702620322	1808	000100010001	MXI	4.50+ Required
Min Temperature Module ID (#)	07612101	010702620322	2808	000100010001	MNI	4.50+ Required

Nissan / Infiniti

Nissan XTerra (2008 - 2015) / Armada (2008 - 2015) / Frontier (2008 - 2019) / Titan (2008 - 2015)

2 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temp 1 (■)	0518110B	026200004000	2008	00090005FFD8	AT1	4.42 Required
Transmission Temp 2 (■)	0518110C	026200004000	2008	00090005FFD8	AT2	4.42 Required

Nissan 370z / 2017+ Armada & Infiniti G37 - M37 - M56 - FX35 - FX45 - Q50 - Q60 - Q70 - QX56 - QX70 - QX80

7 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temp 1 (■)	07E12120	432300004000	2008	00090005FFBD	TF1	4.42+ Required
Transmission Temp 2 (■)	07E12120	432300004000	2808	00090005FFBD	TF2	4.42+ Required
Turbine Speed (RPM)	07E12120	42E903A06000	3010	000100010000	TBS	4.42+ Required
Output Speed (RPM)	07E12120	42E903A06000	2010	000100010000	OUT	4.42+ Required
Torque Converter Slip (RPM)	07E12120	42E903826000	3810	000100010000	TCS	4.42+ Required
Gear Ratio	07E12120	42E903C06000	3810	0001000A0000	GRT	4.42+ Required
Engine Torque (ft-lbs)	07E12120	42E903E06000	2011	002501F40000	TRQ	4.51+ Required

2013+ Nissan Sentra

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E12120	432500004000	3008	00090005FFD8	TFT	4.42+ Required

2014+ Nissan Rogue w/ CVT

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1223048	C46200004000	3008	00090005FFD8	TFT	4.36+ Required

2015+ Nissan Murano w/ CVT

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1223048	C46200004000	3008	00090005FFD8	TFT	4.36+ Required

2015 - 2017 Nissan Juke w/ CVT

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1223048	C46200004000	3008	00090005FFD8	TFT	4.36+ Required

2013+ Nissan Altima

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1223048	C46200004000	3008	00090005FFD8	TFT	4.36+ Required

2013-2020 Nissan Pathfinder

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E1223048	C46200004000	3008	00090005FFD8	TFT	4.36+ Required

2016-2019 Nissan Titan Diesel

22 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Torque Converter Temp (■)	07E1212A	4561062A6000	3808	00090005FFC6	TCT	4.42+ Required
Transmission Sump Temp (■)	07E1212A	4561062A6000	3008	00090005FFC6	TST	4.42+ Required
Torque Converter Slip (RPM)	07E12140	432100006000	1810	000100010000	TCS	4.42+ Required
Engine Torque (Ft-Lbs)	07E12168	432200006000	2010	003B00A0FED9	TRQ	4.42+ Required
DPF Soot Load (%)	07E0206333	B2E805243663	4008	006400FF0000	STL	4.42+ Required
DPF Regen Status (On/Off)	07E0206333	B2E825243663	3F01	000100010000	RGN	4.42+ Required
Average Distance Between DPF Regens (Miles)	07E0206333	B32100000000	2010	001F00320000	DST	4.42+ Required
Diesel Particulate Filter Delta Pressure (PSI)	07E020D604	B2E8452436D6	3810	000A00450000	DLT	4.42+ Required
Diesel Exhaust Fluid Level (%)	07E020290C	B32100000000	2008	006400FF0000	DEF	4.42+ Required
Exhaust Gas Temperature Bank 1, Sensor 1 (°F)	07E020D40C	B2E8052436D4	3810	00090032FFD8	EG1	4.42+ Required
Exhaust Gas Temperature Bank 1, Sensor 2 (°F)	07E020D40C	B2E8052436D4	4808	09000032FFD8	EG2	4.42+ Required
Exhaust Gas Temperature Bank 1, Sensor 3 (°F)	07E020D40C	B32100000000	2010	00090032FFD8	EG3	4.42+ Required
Exhaust Gas Temperature Bank 1, Sensor 4 (°F)	07E020D40C	B32100000000	3010	00090032FFD8	EG4	4.42+ Required
Exhaust Gas Temperature Bank 1, Sensor 5 (°F)	07E020510C	B2E805243651	3810	00090032FFD8	EG5	4.42+ Required
Boost Pressure (PSI)	07E0209401	B32100000000	1808	000907D00000	BPS	4.42+ Required
Variable Geometry Turbo Vane Position (%)	07E020B401	B2E8052436B4	4008	006400FF0000	VGT	4.42+ Required
Turbocharger Compressor Inlet Temperature (°F)	07E020BC10	B2E8052436BC	3808	00090005FFD8	TCI	4.42+ Required
Turbocharger Speed (1000's of RPM)	07E0209C0D	B2E84524369C	3810	0001000A0000	TBS	4.42+ Required
Charge Air Cooler Temperature (°F)	07E020BE33	B2E8052436BE	3808	00090005FFD8	CAT	4.42+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Exhaust Pressure Bank 1 (PSI)	07E020B605	B2E8852436B6	3810	000100450000	EBP	4.42+ Required
EGR Temperature Bank 1 Sensor 1 (°F)	07E020E601	B2E8052436E6	3808	00090005FFD8	ER1	4.42+ Required
Fuel Injection Timing (°)	07E0223049	C46205307649	3008	FFFE00010050	FIT	4.42+ Required

2016-2019 Nissan Titan Gas

16 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	07E022307A	C4620530767A	3008	00090005FFC6	EOT	4.36+ Required
Transmission Temperature 1 (°F)	07E12120	42E903A26000	2008	00090005FFBD	AT1	4.36+ Required
Transmission Temperature 2 (°F)	07E12120	42E903A26000	2808	00090005FFBD	AT2	4.36+ Required
Fuel Pressure Sensor (PSI)	07E0221248	C46205127648	3010	00DD13880000	FPS	4.36+ Required
Radiator Coolant Temperature (°F)	07E02230E6	C462053076E6	3008	00090005FFC6	RAD	4.36+ Required
Exhaust Valve Timing Bank 1 (°CA)	07E022308C	C4628530768C	3008	00050001FD80	EV1	4.36+ Required
Intake Valve Timing Bank 2 (°CA)	07E022124E	C4620512764E	3010	00010002C000	IV2	4.36+ Required
Intake Valve Timing Bank 1 (°CA)	07E022126C	C4620512766C	3010	00010002C000	IV1	4.36+ Required
Exhaust Valve Timing Bank 2 (°CA)	07E02230AC	C462853076AC	3008	00050001FD80	EV2	4.36+ Required
A/F Ratio Bank 1	07DF0124	044185240000	2810	000100DF0000	AF1	
A/F Ratio Bank 2	07DF0128	044185280000	2810	000100DF0000	AF2	
Output Speed (RPM)	07E12120	42E903A06000	2010	000100010000	OUT	4.36+ Required
Turbine Speed (RPM)	07E12120	42E903A06000	3010	000100010000	TBS	4.36+ Required
Gear Ratio	07E12120	42E943C06000	3810	0001000A0000	GRT	4.36+ Required
Torque Converter Slip (RPM)	07E12120	42E903826000	3810	000100010000	SLP	4.36+ Required
Engine Torque (ft-lbs)	07E12120	42E903E06000	2011	002501F40000	TRQ	4.51+ Required

2020+ Nissan Titan/Frontier

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E122A046	C56206A07746	4008	00090005FFBD	ATF	4.36+ Required

Subaru

Subaru Ascent

26 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Engine Oil Temperature (°F)	07E0229D5C	C462059D365C	3008	00090005FFD8	EOT	4.22+ Required
Battery Temperature (°F)	07E022309A	C4620530369A	3008	00090005FFD8	BAT	4.22+ Required
Fuel Injection #1 Pulse Width (ms)	07E02210A3	C462851036A3	3008	004000190000	FI1	4.22+ Required
Radiator Fan Control (%)	07E02210E3	C462051036E3	3008	000100010000	RFC	4.22+ Required
Knocking Correction (Degrees)	07E0223018	C46205303618	3008	00010004FFE0	KRC	4.22+ Required
Roughness Monitor #1 (#)	07E0223062	C46205303662	3008	000100010000	RM1	4.22+ Required
Roughness Monitor #2 (#)	07E0223048	C46205303648	3008	000100010000	RM2	4.22+ Required
Roughness Monitor #3 (#)	07E0223068	C46205303668	3008	000100010000	RM3	4.22+ Required
Roughness Monitor #4 (#)	07E022304A	C4620530364A	3008	000100010000	RM4	4.22+ Required
Target Intake Manifold Pressure (PSI)	07E0223050	C46245303650	3008	001D00020000	TIP	4.22+ Required
VVT Adv. Angle Amount Right (Degrees)	07E0221099	C46205103699	3008	000100020000	AAR	4.22+ Required
Wastegate Control (%)	07E02210C9	C462051036C9	3008	000100010000	WCT	4.22+ Required
Throttle Motor Duty (%)	07E022105F	C4620510365F	3008	0062007DFF9C	TMD	4.22+ Required
VVT Adv. Angle Amount Left (Degrees)	07E02210B9	C462051036B9	3008	000100020000	AAL	4.22+ Required
OCV Duty Left (%)	07E02210BB	C462051036BB	3008	006400FF0000	ODL	4.22+ Required
OCV Duty Right (%)	07E022109B	C4620510369B	3008	006400FF0000	ODR	4.22+ Required
Exhaust OCV Duty Left (%)	07E02210EF	C462051036EF	3008	006400FF0000	EOL	4.22+ Required
CPC Valve Duty Ratio (%)	07E02210CB	C462051036CB	3008	006400FF0000	CPC	4.22+ Required
Exhaust OCV Duty Right (%)	07E02210CF	C462051036CF	3008	006400FF0000	EOR	4.22+ Required
OSV Duty Left (%)	07E02210E5	C462051036E5	3008	006400FF0000	OSL	4.22+ Required
Fuel Pump Duty (%)	07E02210B3	C462051036B3	3008	006400FF0000	FPD	4.22+ Required
OSV Duty Right (%)	07E02210C5	C462051036C5	3008	006400FF0000	OSR	4.22+ Required
Fuel Tank Air Pressure (MPa)	07E022108F	C4624510368F	3010	000100010000	FTA	4.22+ Required
Alternator Duty Cycle (%)	07E0221093	C46205103693	3008	000100010000	ALT	4.22+ Required
Number of EGR Steps (Step)	07E02210B1	C462051036B1	3008	000100010000	EGR	4.22+ Required

Subaru Crosstrek

8 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Subaru Forester

35 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	8018F005A80056	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
Transmission Fluid Temperature Alternative (°F)	8018F005A8005A	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
Engine Oil Temperature (Degrees Fahrenheit)	07E02210AF	C462051036AF	3008	00090005FFD8	EOT	4.22+ Required
Battery Temperature (°F)	07E022309A	C4620530369A	3008	00090005FFD8	BAT	4.22+ Required
Fuel Injection #1 Pulse Width (ms)	07E02210A3	C462851036A3	3008	004000190000	FI1	4.22+ Required
Radiator Fan Control (%)	07E02210E3	C462051036E3	3008	000100010000	RFC	4.22+ Required
Knocking Correction (Degrees)	07E0223018	C46205303618	3008	00010004FFE0	KRC	4.22+ Required
Roughness Monitor #1 (#)	07E0223062	C46205303662	3008	000100010000	RM1	4.22+ Required
Roughness Monitor #2 (#)	07E0223048	C46205303648	3008	000100010000	RM2	4.22+ Required
Roughness Monitor #3 (#)	07E0223068	C46205303668	3008	000100010000	RM3	4.22+ Required
Roughness Monitor #4 (#)	07E022304A	C4620530364A	3008	000100010000	RM4	4.22+ Required
Target Intake Manifold Pressure (PSI)	07E0223050	C46245303650	3008	001D00020000	TIP	4.22+ Required
VVT Adv. Angle Amount Right (Degrees)	07E0221099	C46205103699	3008	000100020000	AAR	4.22+ Required
Wastegate Control (%)	07E02210C9	C462051036C9	3008	000100010000	WCT	4.22+ Required
Throttle Motor Duty (%)	07E022105F	C4620510365F	3008	0062007DFF9C	TMD	4.22+ Required
VVT Adv. Angle Amount Left (Degrees)	07E02210B9	C462051036B9	3008	000100020000	AAL	4.22+ Required
OCV Duty Left (%)	07E02210BB	C462051036BB	3008	006400FF0000	ODL	4.22+ Required
OCV Duty Right (%)	07E022109B	C4620510369B	3008	006400FF0000	ODR	4.22+ Required
Exhaust OCV Duty Left (%)	07E02210EF	C462051036EF	3008	006400FF0000	EOL	4.22+ Required
CPC Valve Duty Ratio (%)	07E02210CB	C462051036CB	3008	006400FF0000	CPC	4.22+ Required
Exhaust OCV Duty Right (%)	07E02210CF	C462051036CF	3008	006400FF0000	EOR	4.22+ Required
OSV Duty Left (%)	07E02210E5	C462051036E5	3008	006400FF0000	OSL	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Fuel Pump Duty (%)	07E02210B3	C462051036B3	3008	006400FF0000	FPD	4.22+ Required
OSV Duty Right (%)	07E02210C5	C462051036C5	3008	006400FF0000	OSR	4.22+ Required
Fuel Tank Air Pressure (MPa)	07E022108F	C4624510368F	3010	000100010000	FTA	4.22+ Required
Alternator Duty Cycle (%)	07E0221093	C46205103693	3008	000100010000	ALT	4.22+ Required
Number of EGR Steps (Step)	07E02210B1	C462051036B1	3008	000100010000	EGR	4.22+ Required
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Subaru Impreza

10 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	8018F005A80056	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
Transmission Fluid Temperature Alternative (°F)	8018F005A8005A	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Subaru Impreza WRX

34 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (Degrees Fahrenheit)	07E02210AF	C462051036AF	3008	00090005FFD8	EOT	4.22+ Required
Battery Temperature (°F)	07E022309A	C4620530369A	3008	00090005FFD8	BAT	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Inlet Air Temperature After Air Filter (Degrees Fahrenheit)	07E022307A	C4620530367A	3008	00090005FFD8	IAT	4.22+ Required
Fuel Injection #1 Pulse Width (ms)	07E02210A3	C462851036A3	3008	004000190000	FI1	4.22+ Required
Radiator Fan Control (%)	07E02210E3	C462051036E3	3008	000100010000	RFC	4.22+ Required
Knocking Correction (Degrees)	07E0223018	C46205303618	3008	00010004FFE0	KRC	4.22+ Required
Roughness Monitor #1 (#)	07E0223062	C46205303662	3008	000100010000	RM1	4.22+ Required
Roughness Monitor #2 (#)	07E0223048	C46205303648	3008	000100010000	RM2	4.22+ Required
Roughness Monitor #3 (#)	07E0223068	C46205303668	3008	000100010000	RM3	4.22+ Required
Roughness Monitor #4 (#)	07E022304A	C4620530364A	3008	000100010000	RM4	4.22+ Required
Target Intake Manifold Pressure (PSI)	07E0223050	C46245303650	3008	001D00020000	TIP	4.22+ Required
VVT Adv. Angle Amount Right (Degrees)	07E0221099	C46205103699	3008	000100020000	AAR	4.22+ Required
Wastegate Control (%)	07E02210C9	C462051036C9	3008	000100010000	WCT	4.22+ Required
Throttle Motor Duty (%)	07E022105F	C4620510365F	3008	0062007DFF9C	TMD	4.22+ Required
VVT Adv. Angle Amount Left (Degrees)	07E02210B9	C462051036B9	3008	000100020000	AAL	4.22+ Required
OCV Duty Left (%)	07E02210BB	C462051036BB	3008	006400FF0000	ODL	4.22+ Required
OCV Duty Right (%)	07E022109B	C4620510369B	3008	006400FF0000	ODR	4.22+ Required
Exhaust OCV Duty Left (%)	07E02210EF	C462051036EF	3008	006400FF0000	EOL	4.22+ Required
CPC Valve Duty Ratio (%)	07E02210CB	C462051036CB	3008	006400FF0000	CPC	4.22+ Required
Exhaust OCV Duty Right (%)	07E02210CF	C462051036CF	3008	006400FF0000	EOR	4.22+ Required
OSV Duty Left (%)	07E02210E5	C462051036E5	3008	006400FF0000	OSL	4.22+ Required
Fuel Pump Duty (%)	07E02210B3	C462051036B3	3008	006400FF0000	FPD	4.22+ Required
OSV Duty Right (%)	07E02210C5	C462051036C5	3008	006400FF0000	OSR	4.22+ Required
Fuel Tank Air Pressure (MPa)	07E022108F	C4624510368F	3010	000100010000	FTA	4.22+ Required
Alternator Duty Cycle (%)	07E0221093	C46205103693	3008	000100010000	ALT	4.22+ Required
Number of EGR Steps (Step)	07E02210B1	C462051036B1	3008	000100010000	EGR	4.22+ Required
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Subaru Legacy

10 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	8018F005A80056	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
Transmission Fluid Temperature Alternative (°F)	8018F005A8005A	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Subaru Outback

10 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	8018F005A80056	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
Transmission Fluid Temperature Alternative (°F)	8018F005A8005A	05E800004000	2808	00090005FFC6	TFT	4.52+ Required
CVT Fluid Temperature (°F)	07E1221017	C46205103617	3008	00090005FFC6	TFT	4.22+ Required
Actual Gear Ratio	07E12230DA	C462453036DA	3010	006400FF0000	AGR	4.22+ Required
Target Gear Ratio	07E12230F8	C462453036F8	3010	006400FF0000	TGR	4.22+ Required
Secondary Pulley Speed (RPM)	07E12230D0	C462053036D0	3010	000100010000	SPS	4.22+ Required
Lock Up Duty Ratio (%)	07E1221045	C46205103645	3008	000100020000	LUD	4.22+ Required
Primary Pulley Speed (RPM)	07E122300E	C4620530360E	3010	000100010000	PPS	4.22+ Required
Transfer Duty Ratio (%)	07E1221065	C46205103665	3008	000100020000	TDR	4.22+ Required
Turbine Revolution Speed (RPM)	07E1221067	C46205103667	3008	002000010000	TRS	4.22+ Required

Toyota / Lexus / Scion

TOYOTA - LEXUS - SCION SPECIFIC CANSF

8 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Temperature (°F)	07E02182	056106820000	3008	00090005FFD8	TFT	2010+
Transmission Temperature (°F) (Alternate)	07E12182	056106820000	3008	00090005FFD8	TFT	2010+
Transmission Temperature (°F) (Alternate)	07E02182	046105820000	2808	00090005FFD8	TFT	2010+
Transmission Temperature (°F) (Alternate)	07E12182	046105820000	2808	00090005FFD8	TFT	2010+
Transmission Temperature (°F)	07E021D9	032100000000	1808	00090005FFD8	TFT	CANSF Pre 2010
Transmission Temperature (°F) (Alternative)	07E121D9	032100000000	1808	00090005FFD8	TFT	CANSF Pre 2010
Transmission Temperature (°F) (Alternative)	07E021D9	046105D90000	4008	00090005FFD8	TFT	CANSF Pre 2010
Transmission Temperature (°F) (Alternative)	07E121D9	046105D90000	4008	00090005FFD8	TFT	CANSF Pre 2010

2016+ 3.5L (2GR-FKS) & 2017+ 2.5L (A25A-FKS) Equipped Toyota / Lexus

16 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temp 1 (■)	0701221AAA	C462051A36AA	3008	00090005FFD8	TF1	4.22 Required
Transmission Fluid Temp 2 (■)	0701221AC0	C462051A36C0	3008	00090005FFD8	TF2	4.22 Required
Engine Oil Temperature (°F)	07002210F6	C32400000000	2008	00090005FFD8	EOT	4.22+ Required
Front Differential Temperature (°F)	07412131	C32100000000	4808	00090005FFBB	FDT	4.22+ Required
Current Gear (#)	0700221AA0	C462051A36A0	3008	000100010000	GER	4.22+ Required
High Fuel Pressure (1000's of PSI)	0700227AEC	C32140000000	1810	000A00450000	KPS	4.22+ Required
Low Fuel Pressure (PSI)	0700227AEC	C32100000000	4010	001D00140000	LFP	4.22+ Required
Fuel Pump Duty Ratio (%)	07002210C6	C462851036C6	3010	000A00A40000	FPD	4.22+ Required
Cooling Fan Duty Ratio (%)	070022100E	C4620510360E	3008	000100020000	FAN	4.22+ Required
Catalyst Temperature Bank 1 Sensor 1 (°F)	0700227AD8	C462057A36D8	3010	00090032FFD8	C11	4.22+ Required
Catalyst Temperature Bank 2 Sensor 1 (°F)	0700227AF8	C462057A36F8	3010	00090032FFD8	C21	4.22+ Required
Catalyst Temperature Bank 1 Sensor 2 (°F)	0700227ADA	C462057A36DA	3010	00090032FFD8	C12	4.22+ Required
Catalyst Temperature Bank 2 Sensor 2 (°F)	0700227AFA	C462057A36FA	3010	00090032FFD8	C22	4.22+ Required
Battery Temperature (°F)	07002238D5	C462053836D5	3010	00090032FFD8	BAT	4.22+ Required
Ambient Temperature (°F)	0700227A0E	C462057A360E	3008	00090005FFD8	AIR	4.22+ Required
Alternator Output Duty Cycle (%)	07002238D7	C462053836D7	3010	000100A40000	ALT	4.22+ Required

SCION FRS - SUBARU BRZ - TOYOTA 86

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature	07E02101	010702E80324	3008	00090005FFD8	OIL	Degrees Fahrenheit

Toyota / Lexus / Scion TPMS Method 1

25 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Tire #1 Pressure (PSI)	822AF02162	546180004000	2808	001D0004FF6F	TP1	4.45+ Required
Tire #2 Pressure (PSI)	822AF02162	546180004000	3008	001D0004FF6F	TP2	4.45+ Required
Tire #3 Pressure (PSI)	822AF02162	546180004000	3808	001D0004FF6F	TP3	4.45+ Required
Tire #4 Pressure (PSI)	822AF02162	546180004000	4008	001D0004FF6F	TP4	4.45+ Required
Tire #5 Pressure (PSI)	822AF02162	546180004000	4808	001D0004FF6F	TP5	4.45+ Required
Tire #1 Pressure (PSI)	822AF02138	546180004000	2808	001D0008FF6F	TP1	4.45+ Required
Tire #2 Pressure (PSI)	822AF02138	546180004000	3008	001D0008FF6F	TP2	4.45+ Required
Tire #3 Pressure (PSI)	822AF02138	546180004000	3808	001D0008FF6F	TP3	4.45+ Required
Tire #4 Pressure (PSI)	822AF02138	546180004000	4008	001D0008FF6F	TP4	4.45+ Required
Tire #5 Pressure (PSI)	822AF02138	546180004000	4808	001D0008FF6F	TP5	4.45+ Required
Tire #1 Pressure (PSI)	822AF0218A	546180004000	2808	004F00280000	PT1	4.45+ Required
Tire #2 Pressure (PSI)	822AF0218A	546180004000	3008	004F00280000	PT2	4.45+ Required
Tire #3 Pressure (PSI)	822AF0218A	546180004000	3808	004F00280000	PT3	4.45+ Required
Tire #4 Pressure (PSI)	822AF0218A	546180004000	4008	004F00280000	PT4	4.45+ Required
Tire #5 Pressure (PSI)	822AF0218A	546180004000	4808	004F00280000	PT5	4.45+ Required
Tire #1 Temperature (°F)	822AF02148	546100004000	2808	001B0005FFD8	TT1	4.45+ Required
Tire #2 Temperature (°F)	822AF02148	546100004000	3008	001B0005FFD8	TT2	4.45+ Required
Tire #3 Temperature (°F)	822AF02148	546100004000	3808	001B0005FFD8	TT3	4.45+ Required
Tire #4 Temperature (°F)	822AF02148	546100004000	4008	001B0005FFD8	TT4	4.45+ Required
Tire #5 Temperature (°F)	822AF02148	546100004000	4808	001B0005FFD8	TT5	4.45+ Required
Tire #1 Temperature (°F)	822AF0211A	546100004000	2808	00090005FFD8	TT1	4.45+ Required
Tire #2 Temperature (°F)	822AF0211A	546100004000	3008	00090005FFD8	TT2	4.45+ Required
Tire #3 Temperature (°F)	822AF0211A	546100004000	3808	00090005FFD8	TT3	4.45+ Required
Tire #4 Temperature (°F)	822AF0211A	546100004000	4008	00090005FFD8	TT4	4.45+ Required
Tire #5 Temperature (°F)	822AF0211A	546100004000	4808	00090005FFD8	TT5	4.45+ Required

Toyota / Lexus / Scion TPMS Method 2

15 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Tire #1 Pressure (PSI)	07502A2190	5258832A0661	3868	00950032FF6D	TP1	4.5+ Required
Tire #2 Pressure (PSI)	07502A2190	5258832A0661	4068	00950032FF6D	TP2	4.5+ Required
Tire #3 Pressure (PSI)	07502A2190	5258832A0661	4868	00950032FF6D	TP3	4.5+ Required
Tire #4 Pressure (PSI)	07502A2190	5258832A0421	2068	00950032FF6D	TP4	4.5+ Required
Tire #5 Pressure (PSI)	07502A2190	5258832A0421	2868	00950032FF6D	TP5	4.5+ Required
Tire #1 Pressure (PSI)	07502A2138	5258832A0661	3868	003B00A0FF6D	TP1	4.5+ Required
Tire #2 Pressure (PSI)	07502A2138	5258832A0661	4068	003B00A0FF6D	TP2	4.5+ Required
Tire #3 Pressure (PSI)	07502A2138	5258832A0661	4868	003B00A0FF6D	TP3	4.5+ Required
Tire #4 Pressure (PSI)	07502A2138	5258832A0421	2068	003B00A0FF6D	TP4	4.5+ Required
Tire #5 Pressure (PSI)	07502A2138	5258832A0421	2868	003B00A0FF6D	TP5	4.5+ Required
Tire #1 Temperature (°F)	07502A211A	5258032A0661	3868	00090005FFD8	TT1	4.5+ Required
Tire #2 Temperature (°F)	07502A211A	5258032A0661	4068	00090005FFD8	TT2	4.5+ Required
Tire #3 Temperature (°F)	07502A211A	5258032A0661	4868	00090005FFD8	TT3	4.5+ Required
Tire #4 Temperature (°F)	07502A211A	5258032A0421	2068	00090005FFD8	TT4	4.5+ Required
Tire #5 Temperature (°F)	07502A211A	5258032A0421	2868	00090005FFD8	TT5	4.5+ Required

GENERATION I PRIUS 2001-2003

18 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge	8216F101C9	0316844105C9	2808	00C800330000	SOC	XX.X %
HV Battery Current	8216F101D2	0316044105D2	2810	000200010000	BTA	HV Battery Amps
HV Battery Voltage	8216F101D1	0316044105D1	2808	000200010000	BTV	HV Battery Volts
Battery Cell Temperature Max	8216F101D6	0316044105D6	2808	000900050020	Thi	Degrees Fahrenheit
Battery Temperature Sensor 1	82D5F101D0	03D5044105D0	2808	00090005FFD8	TS1	Degrees Fahrenheit
Battery Temperature Sensor 2	82D5F101D0	03D5044105D0	3008	00090005FFD8	TS2	Degrees Fahrenheit
Battery Temperature Sensor 3	82D5F101D0	03D5044105D0	3808	00090005FFD8	TS3	Degrees Fahrenheit
Battery Inhaling Air Temperature	82D5F101B2	03D5044105B2	2808	00090005FFD8	BIT	Degrees Fahrenheit
Battery Temperature Sensor 4	82D5F101D1	03D5044105D1	2808	00090005FFD8	TS4	Degrees Fahrenheit
Battery Cell Temperature Min	8216F101D6	0316044105D6	3008	000900050020	Tlo	Degrees Fahrenheit
MG1 Temperature	8216F101CE	0316044105CE	2808	00090005FFC6	TM1	Degrees Fahrenheit
MG2 Temperature	8216F101CE	0316044105CE	3008	00090005FFC6	TM2	Degrees Fahrenheit
MG1 Inverter Temperature	8216F101CD	0316044105CD	2808	00090005FFC6	TI1	Degrees Fahrenheit

Gauge	TXD	RXF	RXD	MTH	Name	Notes
MG1 Torque	8216F101C4	0316044105C4	3810	000100010000	M1T	NM
MG2 Torque	8216F101C2	0316044105C2	3810	000100010000	M2T	NM
MG2 Inverter Temperature	8216F101CD	0316044105CD	3008	00090005FFC6	TI2	Degrees Fahrenheit
MG1 RPM	8216F101C4	0316044105C4	2810	000100010000	M1R	RPM
MG2 RPM	8216F101C2	0316044105C2	2810	000100010000	M2R	RPM

GENERATION II PRIUS 2004-2009

8 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge	07E321CE	056186CE0000	3008	000A00020000	SOC	Percent
Battery Voltage	0033	0100023B0000	2010	000100010000	BTV	HV Battery Volts
Battery Current	07E321CE	056186CE0000	3810	0001000AF333	BTA	HV Battery Amps
Gas Gauge	05AC	010582A40000	1808	006400040000	GAS	xx.x % full
EV Button Status	0521	010522290000	3101	000100010000	EVb	EV button ON or OFF
Injector Time	07E021F3	0306846105F3	3808	000A00080001	INJ	x.x
Cell SOC Delta	03C3	010382CB0000	2008	000A00020000	CSD	% difference in SOC
Engine Temperature	0031	010002390000	1008	005A00050140	ETF	Degrees Fahrenheit

GENERATION III PRIUS 2010-2015

27 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge	07E2015B	0441855B0000	2808	03E800FF0000	SOC	Percent
Traction Battery Temperature	07E22187	056106870000	3008	00090005FFC6	BtT	Degrees Fahrenheit
Fuel Level	07C02129	046185290000	2808	13880EC90000	FLV	x.x Gallons, updates quickly
Battery Charge Max	07E22198	056186980000	4808	000A0002FBC7	bcw	-xx.x kw
Battery Discharge Max	07E22198	056186980000	4008	000A0002FF37	bdw	xx.x kw
Brake Pedal Force	07B02141	046145410000	3808	00090001FFA6	BFC	x.xx MPA
Friction Brake Sensor	07B02107	046145070000	2808	00020001FFCE	FRI	0.00-4.50
Regen Cooperation	07B02158	046125580000	2808	000100010000	RGC	On or Off
Regen Operating Force	07B02148	046105480000	4008	001000010000	RGO	~0-720 NM
DC/DC Lower Converter Temp	07E22174	056106740000	3808	00090005FFD8	DLC	Degrees Fahrenheit
Regen Requested Force	07B02148	046105480000	3008	001000010000	RGR	~0-720 NM
Calculated Load	07E02101	056106010000	3008	006400FF0000	cLD	
DC/DC Upper Converter Temp	07E22174	056106740000	3008	00090005FFD8	DUC	Degrees Fahrenheit

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Inverter Coolant Temp	07E22175	046105750000	4008	00090005FFD8	ICF	Degrees Fahrenheit
Inverter MG1 Temp	07E22170	046105700000	2808	00090005FFD8	I1C	Degrees Fahrenheit
Inverter MG2 Temp	07E22171	046105710000	2808	00090005FFD8	I2C	Degrees Fahrenheit
MG1 Temp	07E22161	046105610000	3808	00090005FFD8	BTA	Degrees Fahrenheit
MG2 Temp	07E22162	046105620000	3808	00090005FFD8	M2C	Degrees Fahrenheit
MG1 RPM	07E22161	046105610000	4010	000100018000	M1R	RPM
MG2 RPM	07E22162	046105620000	4010	000100018000	M2R	RPM
MG1 Torque	07E22167	046185670000	2810	000100018000	M1T	xx.x ft-lbs (read high by 8%)
MG2 Torque	07E22168	046185680000	2810	000100018000	M2T	xx.x ft-lbs (reads high by 8%)
MG1 Carrier Frequency	07E2217C	0461857C0000	2808	000A00140000	M1k	x.x khz
MG2 Carrier Frequency	07E2217C	0461857C0000	3008	000A00140000	M2k	x.x khz
A/C Power Usage	07E2217D	0461057D0000	3808	003200010000	ACw	xxx watts
Room Temperature	07C42121	046185210000	2808	005A001400CB	RmF	Degrees Fahrenheit
Outside Temperature	07E22101	056106010000	4808	00090005FFD8	ExF	Degrees Fahrenheit

GENERATION IV PRIUS 2016+

19 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Hybrid Battery SOC (%)	07D2227A76	C46280000000	3008	03E800FF0000	SOC	4.22+ Required
Hybrid Battery Current (Amps)	07D2227A53	C32180000000	2010	000100010000	HBC	4.22+ Required
Hybrid Battery Voltage (Volts)	07D2227A53	C56200000000	4808	00FF00400000	HBV	4.22+ Required
Hybrid Battery Temperature 1 (°F)	07D2225018	C56200000000	3810	000703E8FFC6	HB1	4.22+ Required
Hybrid Battery Temperature 2 (°F)	07D2225018	C56200000000	4808	00090005FFC6	HB2	4.22+ Required
Hybrid Battery Temperature 3 (°F)	07D2225018	C32100000000	2010	000703E8FFC6	HB3	4.22+ Required
Inverter Coolant Temperature (F) (MG2)	07D2221093	C46200000000	3008	00090005FFD8	INV	4.22+ Required
Generator Temperature (°F) (MG1)	07D22210D2	C56200000000	4808	00090005FFD8	GEN	4.22+ Required
Transaxle Oil Temperature (°F)	07D2221004	C46200000000	4008	00090005FFD8	TOT	4.22+ Required
Hybrid Battery 1 Fan (%)	07D2225002	C46280000000	3808	000500010000	FAN	4.22+ Required
Auxiliary Battery Current (Amps)	07D22238BF	C46240000000	3010	03E80A3DCF2C	ABC	4.22+ Required
A/C Power Consumption (kW)	07D22210CE	C46240000000	3008	000100140000	A/C	4.22+ Required
Generator Inverter Temperature (°F)	07D22210C1	C462051036C1	3008	00090005FFD8	GIT	4.22+ Required
Boosting Converter Temperature (Lower) (°F)	07D22210AB	C462051036AB	3808	00090005FFD8	BLT	4.22+ Required
Boosting Converter Temperature (Upper) (°F)	07D22210AB	C462051036AB	3008	00090005FFD8	BUT	4.22+ Required
Fuel Level (Gallons)	07C021E0	C46185E03000	2808	015100FF0000	GAL	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Cabin Temperature (°F)	07C421A0	C46185A03000	2808	0009000200CB	CAB	4.22+ Required
Glass Humidity (%)	07C421B1	C46185B13000	2810	000A028F0000	GHM	4.22+ Required
Glass Temperature (°F)	07C421EB	C46185EB3000	2810	00090032EA36	GLS	4.22+ Required

Prius Prime

21 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Hybrid Battery SOC (%)	0747227A76	C46280000000	3008	03E800FF0000	SOC	4.52+ Required
Hybrid Battery Current (Amps)	0747227A53	C32180000000	2010	000100018000	HBC	4.52+ Required
Hybrid Battery Voltage (Volts)	0747227A53	C56200000000	4808	00FF00400000	HBV	4.52+ Required
Transaxle Oil Temperature (°F)	07D2221004	C46200000000	4008	00090005FFD8	TOT	4.52+ Required
Hybrid Battery Intake Air Temp 1 (°F)	0747225062	C46200000000	3010	000703E8FFC6	BF1	4.52+ Required
Hybrid Battery Intake Air Temp 2 (°F)	0747225062	C46200000000	4010	000703E8FFC6	BF2	4.52+ Required
Hybrid Battery Maximum Temp (°F)	07D22250E0	C46200000000	3010	000703E8FFC6	BMX	4.52+ Required
Hybrid Battery Minimum Temp (°F)	07D22250C2	C46200000000	3010	000703E8FFC6	BMN	4.52+ Required
Hybrid Battery Heater Temperature 1 (°F)	0747225088	C46200000000	3008	00090005FFC6	HT1	4.52+ Required
Hybrid Battery Heater Temperature 2 (°F)	07472250A8	C46200000000	3008	00090005FFC6	HT2	4.52+ Required
Hybrid Battery 1 Fan (%)	0747225002	C46280000000	3808	000500010000	FAN	4.52+ Required
Hybrid Battery Temp 1 (°F)	0747225018	C56200000000	3810	000703E8FFC6	HB1	4.22+ Required
Hybrid Battery Temp 2 (°F)	0747225018	C56200000000	4808	00090005FFC6	HB2	4.22+ Required
Hybrid Battery Block 1 Average Voltage (Volts)	0747225070	C56240000000	3810	000100830000	BV1	4.52+ Required
Hybrid Battery Block 2 Average Voltage (Volts)	0747225070	C56240000000	4808	00FA00810000	BV2	4.52+ Required
Hybrid Battery Block 3 Average Voltage (Volts)	0747225070	C32140000000	2010	000100830000	BV3	4.52+ Required
Hybrid Battery Block 4 Average Voltage (Volts)	0747225070	C32140000000	3010	000100830000	BV4	4.52+ Required
Hybrid Battery Block 5 Average Voltage (Volts)	0747225070	C32140000000	4010	000100830000	BV5	4.52+ Required
A/C Power Consumption (kW)	07472210CE	C46240000000	3008	000100140000	A/C	4.52+ Required
Auxiliary Battery Current (Amps)	07D22238BF	C46240000000	3010	03E80A3DCF2C	ABC	4.52+ Required
Auxiliary Battery Temperature (°F)	07D22238D5	C46280000000	3010	00090032FE70	ABT	4.52+ Required

2020 Corolla Hybrid, 2019+ RAV4 Hybrid, 2018+ Camry Hybrid, 2019+ Avalon Hybrid

16 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Hybrid Battery SOC (%)	07D2227A76	C46280000000	3008	03E800FF0000	SOC	4.22+ Required
Hybrid Battery Current (Amps)	07D2227A53	C32180000000	2010	000100010000	HBC	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Hybrid Battery Voltage (Volts)	07D2227A53	C56200000000	4808	00FF00400000	HBV	4.22+ Required
Hybrid Battery Temperature 1 (°F)	07D2225018	C56200000000	3810	000703E8FFC6	HB1	4.22+ Required
Hybrid Battery Temperature 2 (°F)	07D2225018	C56200000000	4808	00090005FFC6	HB2	4.22+ Required
Hybrid Battery Temperature 3 (°F)	07D2225018	C32100000000	2010	000703E8FFC6	HB3	4.22+ Required
Inverter Coolant Temperature (F) (MG2)	07D2221093	C46200000000	3008	00090005FFD8	INV	4.22+ Required
Generator Temperature (°F) (MG1)	07D22210D2	C56200000000	4808	00090005FFD8	GEN	4.22+ Required
Transaxle Oil Temperature (°F)	07D2221004	C46200000000	4008	00090005FFD8	TOT	4.22+ Required
Hybrid Battery 1 Fan (%)	07D2225002	C46280000000	3808	000500010000	FAN	4.22+ Required
Auxiliary Battery Current (Amps)	07D22238BF	C46240000000	3010	03E80A3DCF2C	ABC	4.22+ Required
A/C Power Consumption (kW)	07D22210CE	C46240000000	3008	000100140000	A/C	4.22+ Required
Generator Inverter Temperature (°F)	07D22210C1	C462051036C1	3008	00090005FFD8	GIT	4.22+ Required
Boosting Converter Temperature (Lower) (°F)	07D22210AB	C462051036AB	3808	00090005FFD8	BLT	4.22+ Required
Boosting Converter Temperature (Upper) (°F)	07D22210AB	C462051036AB	3008	00090005FFD8	BUT	4.22+ Required
Fuel Level (Gallons)	07C0221082	C46285103682	3010	002104E20000	GAL	4.22+ Required

2021 RAV4 Prime

14 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Hybrid Battery SOC (%)	0747227A76	C46280000000	3008	03E800FF0000	SOC	4.22+ Required
Hybrid Battery Current (Amps)	0747227A53	C32180000000	2010	000100010000	HBC	4.22+ Required
Hybrid Battery Voltage (Volts)	0747227A53	C56200000000	4808	00FF00400000	HBV	4.22+ Required
Hybrid Battery Temperature 1 (°F)	0747225018	C56200000000	3810	000703E8FFC6	HB1	4.22+ Required
Hybrid Battery Temperature 2 (°F)	0747225018	C56200000000	4808	00090005FFC6	HB2	4.22+ Required
Hybrid Battery Temperature 3 (°F)	0747225018	C32100000000	2010	000703E8FFC6	HB3	4.22+ Required
Inverter Coolant Temperature (F) (MG2)	07D2221093	C46200000000	3008	00090005FFD8	INV	4.22+ Required
Generator Temperature (°F) (MG1)	07D22210D2	C56200000000	4808	00090005FFD8	GEN	4.22+ Required
Transaxle Oil Temperature (°F)	07D2221004	C46200000000	4008	00090005FFD8	TOT	4.22+ Required
Auxiliary Battery Current (Amps)	07D22238BF	C46240000000	3010	03E80A3DCF2C	ABC	4.22+ Required
Generator Inverter Temperature (°F)	07D22210C1	C462051036C1	3008	00090005FFD8	GIT	4.22+ Required
Boosting Converter Temperature (Lower) (°F)	07D22210AB	C462051036AB	3808	00090005FFD8	BLT	4.22+ Required
Boosting Converter Temperature (Upper) (°F)	07D22210AB	C462051036AB	3008	00090005FFD8	BUT	4.22+ Required
Fuel Level (Gallons)	07C0221082	C46285103682	3010	002104E20000	GAL	4.22+ Required

2016 - 2018 RAV4 Hybrid

20 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
State of Charge (%)	07E22120	C32300000000	3008	006400FF0000	SOC	4.22+ Required
Hybrid Battery Current (Amps)	07E22151	C56146513000	3010	000100018000	HBC	4.22+ Required
Battery Voltage (Volts)	07E2219C	C32100000000	3010	000100020000	BTV	4.22+ Required
Fuel Remaining (Gallons)	07C021E0	C46185E03000	2808	015100FF0000	GAL	4.22+ Required
Ambient Temperature (°F)	07E22120	C56106203000	4808	00090005FFD8	AIR	4.22+ Required
Converter Temperature Max (°F)	07E2219C	C561069C3000	4808	00090005FFD8	CTM	4.22+ Required
Cooling Fan 1 Duty Cycle (%)	07E2214B	C461054B3000	2808	000100020000	CF1	4.22+ Required
Cooling Fan 2 Duty Cycle (%)	07E2214B	C461054B3000	3008	000100020000	CF2	4.22+ Required
MG1 Temperature (°F)	07E22194	C46105943000	2808	00090005FFD8	MG1	4.22+ Required
MG1 Revolutions (RPM)	07E221A4	C46105A43000	4010	000100018000	M1R	4.22+ Required
MG1 Torque (Ft-Lbs)	07E221A4	C46105A43000	2811	001700FA0000	TQ1	4.22+ Required
MG2 Temperature (°F)	07E221B4	C46105B43000	2808	00090005FFD8	MG2	4.22+ Required
MG2 Revolutions (RPM)	07E22186	C46105863000	4010	000100018000	M2R	4.22+ Required
MG2 Torque (Ft-Lbs)	07E221C4	C46105C43000	2810	001700FAF43A	TQ2	4.22+ Required
Inverter Water Pump Revolutions (RPM)	07E221BC	C56106BC3000	3810	000100010000	WPR	4.22+ Required
Motor Temp 1 (°F)	07E22186	C46105863000	2808	00090005FFD8	MT1	4.22+ Required
Motor Temp 2 (°F)	07E221A4	C46105A43000	2808	00090005FFD8	MT2	4.22+ Required
Rear Inverter Temperature (°F)	07E22196	C46105963000	2808	00090005FFD8	RIT	4.22+ Required
Rear Inverter Max Temperature (°F)	07E22196	C46105963000	3808	00090005FFD8	RMX	4.22+ Required
Rear Motor Torque (Ft-Lbs)	07E221E4	C56106E43000	3010	001700FAF43A	RMT	4.22+ Required

Volkswagen / Audi

VW SPECIFIC ISO (Pre 2008)

2 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Coolant Temperature	686AF10105	031004410505	2808	00090005FFD8	WTR	Degrees Fahrenheit
Transmission Temperature	686AF10105	031A04410505	2808	00090005FFD8	TFT	Degrees Fahrenheit

2014+ VW / Audi / Porsche with Automatic Transmissions

6 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E122A008	C46205A03608	3008	00090005FFD8	TFT	4.22+ Required
Current Gear (#)	07E122A06A	C46205A0366A	3008	00010001FFFE	GER	4.22+ Required
Transmission Input Speed (RPM)	07E122A002	C46205A03602	3010	000100040000	TIN	4.22+ Required
Transmission Output Speed (RPM)	07E122A022	C46205A03622	3010	000100040000	OUT	4.22+ Required
Torque Converter Lockup Clutch Status (State)	07E12294D4	C462059436D4	3602	000100010000	TCC	0 = Open, 1 = Closed, 2 = Controlled
Engine Torque (Ft-Lbs)	07E122948C	C4620594368C	3010	02E103E80000	TRQ	4.22+ Required

2009 - 2014 VW Routan

1 gauge

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E0219C	432400000000	2010	000100400000	TFT	4.22+ Required

2015 VW Passat TDI SE 2.0L Diesel

14 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Oil Temperature (°F)	07E02230DB	C462053036DB	3010	00090032FE35	EOT	4.22+ Required
Fuel Rail Pressure (1000's of PSI)	07E02230E4	C462853036E4	3010	000100450000	KPS	4.22+ Required
DPF Soot Load (%)	07E0229D63	C562069D3763	4808	006400FF0000	STL	4.22+ Required
DPF Regen (On/Off)	07E0229D63	C562269D3763	4701	000100010000	RGN	4.22+ Required
Average Distance Between DPF Regens (Miles)	07E0229D63	C32100000000	2810	001F00320000	ADR	4.22+ Required
Exhaust Gas Temperature 1 (°F)	07E0229DD4	C562069D37D4	4010	00090032FFD8	EG1	4.22+ Required
Exhaust Gas Temperature 2 (°F)	07E0229DD4	C32100000000	1810	00090032FFD8	EG2	4.22+ Required
Exhaust Gas Temperature 3 (°F)	07E0229DD4	C32100000000	2810	00090032FFD8	EG3	4.22+ Required
Exhaust Gas Temperature 4 (°F)	07E0229DD4	C32100000000	3810	00090032FFD8	EG4	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Diesel Exhaust Fluid Level (%)	07E0221ABF	C462851A36BF	3010	003D01F40000	DEF	4.22+ Required
DEF Injection Valve Duty Cycle (%)	07E0223257	C46245323657	3010	000100010000	DDC	4.22+ Required
Current Gear (#)	07E0221068	C46205103668	3008	000100010000	GER	4.22+ Required
Fuel Consumed since Last Regen (Gallons)	07E0223056	C46245303656	3010	052913E80000	FCR	4.22+ Required
Cooling Fan Duty Cycle (%)	07E022301A	C4624530361A	3010	000100010000	FAN	4.22+ Required

2018 VW Tiguan

10 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E122A008	C46205A03608	3008	00090005FFD8	TFT	4.22+ Required
Engine Oil Temperature (°F)	07E02230F9	C462053036F9	3010	00090032FE34	EOT	4.22+ Required
Fuel Remaining (Gallons)	07E0221899	C46245183699	3010	0064017B0000	FLV	4.22+ Required
Fuel Temperature (°F)	07E0221243	C46205123643	3008	001B0014FFC9	FLT	4.22+ Required
Barometric Pressure (PSI)	07E0223860	C46285383660	3010	000A06E50000	BPS	4.22+ Required
Alternator Load (%)	07E0221058	C46245103658	3010	000100010000	ALT	4.22+ Required
Cooling Fan 1 (%)	07E0223090	C46245303690	3010	000100010000	FAN	4.22+ Required
Ambient Air Temperature (°F)	07E02218D5	C462051836D5	3010	00090032FE34	AIR	4.22+ Required
Cylinder Head Temperature (°F)	07E02210AC	C462051036AC	3010	00090032FE34	CHT	4.22+ Required
Engine Oil Sump Temperature (°F)	07E02238BB	C462053836BB	3010	00090032FE34	SUM	4.22+ Required

2016 Audi Q5 3.0L Diesel

35 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Transmission Fluid Temperature (°F)	07E122A008	C46205A03608	3008	00090005FFD8	TFT	4.22+ Required
Engine Oil Temperature 1 (°F)	07E02230DB	C462053036DB	3010	00090032FE34	E01	4.22+ Required
Engine Oil Temperature 2 (°F)	07E0223A59	C462053A3659	3010	00090032FE34	E02	4.22+ Required
Fuel Rail Pressure (1000's of PSI)	07E022125A	C4624512365A	3010	000A00450000	FRP	4.22+ Required
Temperature After Charge Air Cooler (°F)	07E0221AC0	C462051A36C0	3010	00090032FE34	CAC	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 1 (°F)	07E0229DD4	C562069D37D4	4010	00090032FFD8	E11	4.22+ Required
Exhaust Gas Temperature Bank 1 Sensor 2 (°F)	07E0229DD4	C32100000000	1810	00090032FFD8	E12	4.22+ Required
Exhaust Gas Temperature Bank 2 Sensor 1 (°F)	07E0229DD4	C32100000000	2810	00090032FFD8	E21	4.22+ Required
Exhaust Gas Temperature Bank 2 Sensor 2 (°F)	07E0229DD4	C32100000000	3810	00090032FFD8	E22	4.22+ Required
DPF Soot Load (%)	07E0229D63	C562069D3763	4808	006400FF0000	STL	4.22+ Required
DPF Regen Status (On/Off)	07E0229D63	C562269D3763	4701	000100010000	RGN	4.22+ Required

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Average Distance Between DPF Regenerations (Miles)	07E0229D63	C32100000000	2810	001F00320000	ADR	4.22+ Required
Regen Type (0 = Passive, 1 = Active)	07E0229D63	C562069D3763	4601	000100010000	RGT	4.22+ Required
DPF Surface Temperature (°F)	07E022502D	C4620550362D	3010	00090050FE34	DPS	4.22+ Required
DPF Exhaust Temperature (°F)	07E0225025	C46205503625	3010	00090032FE34	DPE	4.22+ Required
DPF Charging rate (g/mile)	07E0223803	C46245383603	3010	000100840000	DCR	4.22+ Required
Current Gear (#)	07E122A06A	C46205A0366A	3008	00010001FFFE	GER	4.22+ Required
Transmission Input Speed (RPM)	07E122A002	C46205A03602	3010	000100040000	TIS	4.22+ Required
Time since last regeneration (Hours)	07E022305E	C4628530365E	3810	004700640000	TSR	4.22+ Required
Transmission Output Speed (RPM)	07E122A022	C46205A03622	3010	000100040000	OUT	4.22+ Required
Fuel Consumption since last regeneration (Gallons)	07E0223056	C46245303656	3010	0064017B0000	FLR	4.22+ Required
DEF Pump activation (%)	07E02232CD	C462453236CD	3010	000100010000	DPA	4.22+ Required
DEF Used since last service (Lbs)	07E0223237	C46245323637	3010	001D00020000	DFU	4.22+ Required
DEF Remaining Miles (Miles)	07E022322D	C4620532362D	3810	009F00140000	DER	4.22+ Required
Oil Level (mm)	07E0223A53	C462853A3653	3010	000100190000	OLV	4.22+ Required
Fuel Level (Gallons)	07E0221048	C46245103648	3010	0064017B0000	GAL	4.22+ Required
EGR Solenoid Valve (%)	07E02232EA	C462053236EA	3010	000100520000	EGR	4.22+ Required
EGR Cooler Pump duty cycle (%)	07E02210C4	C462451036C4	3010	000100010000	EGC	4.22+ Required
Temperature of EGR After Cooler (°F)	07E0221AE0	C462051A36E0	3010	00090032FE34	EAC	4.22+ Required
Coolant Temperature at Radiator Outlet (°F)	07E0221A8A	C462051A368A	3010	00090032FE34	RAD	4.22+ Required
Coolant Fan 1 Duty Cycle (%)	07E022301A	C4624530361A	3010	000100010000	CF%	4.22+ Required
Engine Block Temperature (°F)	07E02230E5	C462053036E5	3010	00090032FE34	BLK	4.22+ Required
Nox Sensor Concentration Bank 1 Sensor 1 (PPM)	07E0229D23	C562069D3723	4010	000100010000	N11	4.22+ Required
Variable Geometry Turbo Position (%)	07E0229DB4	C562069D37B4	4808	006400FF0000	VGA	4.22+ Required
Nox Sensor Concentration Bank 1 Sensor 2 (PPM)	07E0229D23	C32100000000	1810	000100010000	N12	4.22+ Required

Standard OBDII (all makes)

CANSF

58 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature (F)	07DF0146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature (C)	07DF0146	044105460000	2808	00010001FFD8	AIR	Degrees Celsius
Barometric Pressure	07DF0133	044185330000	2808	006400450000	BAR	PSI
Barometric Pressure	07DF0133	044105330000	2808	000100010000	BAR	KPA
Engine Run Time	07DF011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time	07DF011F	0441051F0000	2810	000100010000	ERT	Seconds
Fuel Level	07DF012F	0441052F0000	2808	006400FF0000	FLV	Percent
Horsepower	00	400080000000	0000	000A00170000	HPR	Gasoline Gross/Brake
Horsepower	00	400080000000	0000	000A00240000	HPR	Diesel Gross/Brake
Long Term Fuel Trim Bank 1	07E00107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	07E00109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	07E00107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	07E00109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
Short Term Fuel Trim Bank 1	07E00106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	07E00108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	07E00106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	07E00108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	07E00114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	07E00115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	07E00116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	07E00117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	07E00118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	07E00119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	07E0011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	07E0011B	0441051B0000	2808	000100020000	O24	0 to 99%
A/F Ratio Commanded	07DF0144	044145440000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 1	07DF0124	044145240000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 2	07DF0125	044145250000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 3	07DF0126	044145260000	2808	05B900800000	A/F	Ratio of Air to Fuel

Gauge	TXD	RXF	RXD	MTH	Name	Notes
A/F Ratio Bank 1 - Sensor 4	07DF0127	044145270000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 1	07DF0128	044145280000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 2	07DF0129	044145290000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 3	07DF012A	0441452A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 4	07DF012B	0441452B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 1	07DF0134	044145340000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 2	07DF0135	044145350000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 4	07DF0137	044145370000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 3	07DF0136	044145360000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 1	07DF0138	044145380000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 2	07DF0139	044145390000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 3	07DF013A	0441453A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 4	07DF013B	0441453B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Catalyst Temperature Bank 1 - Sensor 1	07DF013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 1	07DF013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 1 - Sensor 2	07DF013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 2	07DF013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 1	07DF013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 1	07DF013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 2	07DF013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 2	07DF013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius
Exhaust Gas Temperature Bank 1, Sensor 1	07DF0178	054106780000	3810	00090032FFD8	E11	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 2	07DF0178	054106780000	4808	09000032FFD8	E12	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 3	07DF0178	032100000000	2010	00090032FFD8	E13	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 4	07DF0178	032100000000	3010	00090032FFD8	E14	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 1	07DF0179	054106790000	3810	00090032FFD8	E21	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 2	07DF0179	054106790000	4808	09000032FFD8	E22	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 3	07DF0179	032100000000	2010	00090032FFD8	E23	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 4	07DF0179	032100000000	3010	00090032FFD8	E24	Degrees Fahrenheit

CANLF

39 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature (F)	33F10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature (C)	33F10146	044105460000	2808	000100010000	AIR	Degrees Celsius
Barometric Pressure	33F10133	044105330000	2808	006400450000	PSI	Pounds Per Square Inch
Barometric Pressure	33F10133	044105330000	2808	000100010000	KPA	Kilopascals
Engine Run Time (Minutes)	33F1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time (Seconds)	33F1011F	0441051F0000	2810	000100010000	ERT	Seconds
Fuel Level	33F1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Short Term Fuel Trim Bank 1	33F10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	33F10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	33F10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	33F10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
Long Term Fuel Trim Bank 1	33F10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	33F10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	33F10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	33F10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	33F10114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	33F10115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	33F10116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	33F10117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	33F10118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	33F10119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	33F1011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	33F1011B	0441051B0000	2808	000100020000	O24	0 to 99%
Catalyst Temperature (Bank 1, Sensor 1)	33F1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 1, Sensor 1)	33F1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 1, Sensor 2)	33F1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 1, Sensor 2)	33F1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 2, Sensor 1)	33F1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 2, Sensor 1)	33F1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature (Bank 2, Sensor 2)	33F1013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature (Bank 2, Sensor 2)	33F1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius
Exhaust Gas Temperature Bank 1, Sensor 1	33F10178	054106780000	3810	00090032FFD8	E11	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 2	33F10178	054106780000	4808	09000032FFD8	E12	Degrees Fahrenheit
Exhaust Gas Temperature Bank 1, Sensor 3	33F10178	032100000000	2010	00090032FFD8	E13	Degrees Fahrenheit

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Exhaust Gas Temperature Bank 1, Sensor 4	33F10178	032100000000	3010	00090032FFD8	E14	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 1	33F10179	054106790000	3810	00090032FFD8	E21	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2 Sensor 2	33F10179	054106790000	4808	09000032FFD8	E22	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 3	33F10179	032100000000	2010	00090032FFD8	E23	Degrees Fahrenheit
Exhaust Gas Temperature Bank 2, Sensor 4	33F10179	032100000000	3010	00090032FFD8	E24	Degrees Fahrenheit

ISO - VPW

50 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature	686AF10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature	686AF10146	044105460000	2808	00010001FFD8	AIR	Degrees Celsius
Barometric Pressure	686AF10133	044185330000	2808	006400450000	BAR	PSI
Barometric Pressure	686AF10133	044105330000	2808	000100010000	BAR	KPA
Engine Run Time	686AF1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time	686AF1011F	0441051F0000	2810	000100010000	ERT	Seconds
Fuel Level	686AF1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Horsepower	00	400080000000	0000	000A00170000	HPR	Gasoline Gross/Brake
Horsepower	00	400080000000	0000	000A00240000	HPR	Diesel Gross/Brake
Long Term Fuel Trim Bank 1	686AF10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	686AF10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	686AF10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	686AF10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
Short Term Fuel Trim Bank 1	686AF10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	686AF10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	686AF10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	686AF10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	686AF10114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	686AF10115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	686AF10116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	686AF10117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	686AF10118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	686AF10119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	686AF1011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	686AF1011B	0441051B0000	2808	000100020000	O24	0 to 99%

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Alt A/F Ratio Bank General	686AF10144	044145440000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 1	686AF10124	044145240000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 2	686AF10125	044145250000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 3	686AF10126	044145260000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 4	686AF10127	044145270000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 1	686AF10128	044145280000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 2	686AF10129	044145290000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 3	686AF1012A	0441452A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 4	686AF1012B	0441452B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 1	686AF10134	044145340000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 2	686AF10135	044145350000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 3	686AF10136	044145360000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 4	686AF10137	044145370000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 1	686AF10138	044145380000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 2	686AF10139	044145390000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 3	686AF1013A	0441453A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 4	686AF1013B	0441453B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Catalyst Temperature Bank 1 - Sensor 1	686AF1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 1	686AF1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 1 - Sensor 2	686AF1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 2	686AF1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 1	686AF1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 1	686AF1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 2	686AF1013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 2	686AF1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius

PWM

50 gauges

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature	616AF10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature	616AF10146	044105460000	2808	00010001FFD8	AIR	Degrees Celsius
Barometric Pressure	616AF10133	044185330000	2808	006400450000	BAR	PSI
Barometric Pressure	616AF10133	044105330000	2808	000100010000	BAR	KPA
Engine Run Time	616AF1011F	0441051F0000	2810	000100010000	ERT	Seconds

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Engine Run Time	616AF1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Fuel Level	616AF1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Horsepower	00	400080000000	0000	000A00240000	HPR	Diesel Gross/Brake
Horsepower	00	400080000000	0000	000A00170000	HPR	Gasoline Gross/Brake
Long Term Fuel Trim Bank 1	616AF10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	616AF10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	616AF10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	616AF10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
Short Term Fuel Trim Bank 1	616AF10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	616AF10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	616AF10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	616AF10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	616AF10114	044105140000	2808	000100020000	O11	0 to 99%
O2 Sensor Bank 1 - Sensor 2	616AF10115	044105150000	2808	000100020000	O12	0 to 99%
O2 Sensor Bank 1 - Sensor 3	616AF10116	044105160000	2808	000100020000	O13	0 to 99%
O2 Sensor Bank 1 - Sensor 4	616AF10117	044105170000	2808	000100020000	O14	0 to 99%
O2 Sensor Bank 2 - Sensor 1	616AF10118	044105180000	2808	000100020000	O21	0 to 99%
O2 Sensor Bank 2 - Sensor 2	616AF10119	044105190000	2808	000100020000	O22	0 to 99%
O2 Sensor Bank 2 - Sensor 3	616AF1011A	0441051A0000	2808	000100020000	O23	0 to 99%
O2 Sensor Bank 2 - Sensor 4	616AF1011B	0441051B0000	2808	000100020000	O24	0 to 99%
Alt A/F Ratio Bank General	616AF10144	044145440000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 1	616AF10124	044145240000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 2	616AF10125	044145250000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 3	616AF10126	044145260000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 4	616AF10127	044145270000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 1	616AF10128	044145280000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 2	616AF10129	044145290000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 3	616AF1012A	0441452A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 4	616AF1012B	0441452B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 1	616AF10134	044145340000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 2	616AF10135	044145350000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 3	616AF10136	044145360000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 4	616AF10137	044145370000	2808	05B900800000	A/F	Ratio of Air to Fuel

Gauge	TXD	RXF	RXD	MTH	Name	Notes
Alt A/F Ratio Bank 2 - Sensor 1	616AF10138	044145380000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 2	616AF10139	044145390000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 3	616AF1013A	0441453A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 4	616AF1013B	0441453B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Catalyst Temperature Bank 1 - Sensor 1	616AF1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 1	616AF1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 1 - Sensor 2	616AF1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 1	616AF1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 2	616AF1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 1	616AF1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 2	616AF1013F	0441053F0000	2810	00090032FFD8	ctf	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 2	616AF1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius

KWP

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Gauge	TXD	RXF	RXD	MTH	Name	Notes
Ambient Air Temperature	C233F10146	044105460000	2808	00090005FFD8	AIR	Degrees Fahrenheit
Ambient Air Temperature	C233F10146	044105460000	2808	00010001FFD8	AIR	Degrees Celsius
Barometric Pressure	C233F10133	044185330000	2808	006400450000	BAR	PSI
Barometric Pressure	C233F10133	044105330000	2808	000100010000	BAR	KPA
Engine Run Time	C233F1011F	0441051F0000	2810	0001003C0000	ERT	Minutes
Engine Run Time	C233F1011F	0441051F0000	2810	000100010000	ERT	Seconds
Fuel Level	C233F1012F	0441052F0000	2808	006400FF0000	FLV	Percent
Horsepower	00	400080000000	0000	000A00170000	HPR	Gasoline Gross/Brake
Horsepower	00	400080000000	0000	000A00240000	HPR	Diesel Gross/Brake
Long Term Fuel Trim Bank 1	C233F10107	044105070000	2808	00C80100FF9C	LF1	+/- 0 to 99
Long Term Fuel Trim Bank 2	C233F10109	044105090000	2808	00C80100FF9C	LF2	+/- 0 to 99
Long Term Fuel Trim Bank 3	C233F10107	044105070000	3008	00C80100FF9C	LF3	+/- 0 to 99
Long Term Fuel Trim Bank 4	C233F10109	044105090000	3008	00C80100FF9C	LF4	+/- 0 to 99
Short Term Fuel Trim Bank 1	C233F10106	044105060000	2808	00C80100FF9C	SF1	+/- 0 to 99
Short Term Fuel Trim Bank 2	C233F10108	044105080000	2808	00C80100FF9C	SF2	+/- 0 to 99
Short Term Fuel Trim Bank 3	C233F10106	044105060000	3008	00C80100FF9C	SF3	+/- 0 to 99
Short Term Fuel Trim Bank 4	C233F10108	044105080000	3008	00C80100FF9C	SF4	+/- 0 to 99
O2 Sensor Bank 1 - Sensor 1	C233F10114	044105140000	2808	000100020000	O11	0 to 99%

Gauge	TXD	RXF	RXD	MTH	Name	Notes
O2 Sensor Bank 1 - Sensor 2	C233F10115	044105150000	2808	000100020000	012	0 to 99%
O2 Sensor Bank 1 - Sensor 3	C233F10116	044105160000	2808	000100020000	013	0 to 99%
O2 Sensor Bank 1 - Sensor 4	C233F10117	044105170000	2008	000100020000	014	0 to 99%
O2 Sensor Bank 2 - Sensor 1	C233F10118	044105180000	2808	000100020000	021	0 to 99%
O2 Sensor Bank 2 - Sensor 2	C233F10119	044105190000	2808	000100020000	022	0 to 99%
O2 Sensor Bank 2 - Sensor 3	C233F1011A	0441051A0000	2808	000100020000	023	0 to 99%
O2 Sensor Bank 2 - Sensor 4	C233F1011B	0441051B0000	2808	000100020000	024	0 to 99%
Alt A/F Ratio Bank General	C233F10144	044145440000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 1	C233F10124	044145240000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 2	C233F10125	044145250000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 3	C233F10126	044145260000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 1 - Sensor 4	C233F10127	044145270000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 1	C233F10128	044145280000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 2	C233F10129	044145290000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 3	C233F1012A	0441452A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
A/F Ratio Bank 2 - Sensor 4	C233F1012B	0441452B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 1	C233F10134	044145340000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 2	C233F10135	044145350000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 3	C233F10136	044145360000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 1 - Sensor 4	C233F10137	044145370000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 1	C233F10138	044145380000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 2	C233F10139	044145390000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 3	C233F1013A	0441453A0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Alt A/F Ratio Bank 2 - Sensor 4	C233F1013B	0441453B0000	2808	05B900800000	A/F	Ratio of Air to Fuel
Catalyst Temperature Bank 1 - Sensor 1	C233F1013C	0441053C0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 1	C233F1013C	0441053C0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 1 - Sensor 2	C233F1013E	0441053E0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 1 - Sensor 2	C233F1013E	0441053E0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 1	C233F1013D	0441053D0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 1	C233F1013D	0441053D0000	2810	0001000AFFD8	CTC	Degrees Celsius
Catalyst Temperature Bank 2 - Sensor 2	C233F1013F	0441053F0000	2810	00090032FFD8	CTF	Degrees Fahrenheit
Catalyst Temperature Bank 2 - Sensor 2	C233F1013F	0441053F0000	2810	0001000AFFD8	CTC	Degrees Celsius