

iDash 1.8 Parameter List - 2017 GM L5P Duramax

Air Density

Label	Description	Unit
AAD	Density - Ambient Air	LB/1KFT3
BAD	Density - Boost Air	LB/1KFT3
MAD	Density - Manifold Air	LB/1KFT3
AAD	Density % - Ambient Air (J607)	%
BAD	Density % - Boost Air (J607)	%
MAD	Density % - Manifold Air	%
DN-ALT	Density Altitude	FT
D-RAT	Density Ratio - System	%
PR-ALT	Pressure Altitude	FT
J1349	SAE J1349 Correction Factor	
J607*	SAE J607 Correction Factor	

Engine Performance - Air

Label	Description	Unit
AI-RAT	Air Induction Ratio	
CFM-ENG	CFM Engine	CFM
CFM-IND	MAF Calculated	CFM
MAF-CAL	MAF Calculated	GRAM/S
MAF	Mass Air Flow	GRAMS/S
THRT-C	Throttle Commanded	%
THRT-P	Throttle Position	%
THRT-R	Throttle Position Relative	%
VT CMD	Turbo Vane Command	%
VT POS	Turbo Vane Position	%

Vehicle Performance

Label	Description	Unit
APP D	Accelerator Pedal D	%
APP E	Accelerator Pedal E	%
BP ACT	Brake Pedal Active	
HPCALC	Calc Engine Horsepower	HP
TRQCAL	Calc Engine Torque	FT-LB
LOAD	Calculated Engine Load	%
DISP	Engine Displacement	L
TRQREF	Engine Reference Torque	FT-LB
TORQUE	Torque % Actual	%
TRQCMD	Torque % Commanded	%

Speed and Velocity

Label	Description	Unit
CRUISE	Cruise Control Status	
RPM	Engine RPM	
ISS	Trans Input Shaft Speed	RPM
OSS	Trans Output Shaft Speed	RPM
SPEED	Vehicle Speed	MPH

Voltage

Label	Description	Unit
BATT	Battery Voltage	V
BATT*	B-Bus Battery Voltage	V

Emissions

Label	Description	Unit
DPF SL	Calculated DPF Soot Load Percentage	%
DPF RG	Norm Trigger For DPF Regen	%
PM 1	% Particulate Matter Bank 1	%
DEFCMD	AVG DEF Commanded	GAL/HR
DPFDIS	Avg Distance Between DPF Regen	MILES
DPFTIM	Avg Time Between DPF Regen	MIN
DEFVLV	DEF Fluid Level	%
DEFLOW	DEF Fluid Level Low	
REGEN	DPF Regen Status	
EGRACT	EGR Duty Cycle Actual	%
EGRCMD	EGR Duty Cycle Commanded	%
EGRERR	EGR Error	%
BPS M	Monitor - Boost Pressure System	
COMP M	Monitor - Comprehensive Component	
EGR M	Monitor - EGR and/or VVT System	
EGR M	Monitor - Exhaust Gas Sensor	
FUEL M	Monitor - Fuel System	
MIS M	Monitor - Misfire	
HCCAT	Monitor - NMHC Catalyst	
NCAT M	Monitor - NOx/SCR Aftertreatment	
PMF M	Monitor - PM Filter	
NOX1/1	NOX Bank 1 Sensor 1	PPM
NOX1/2	NOX Bank 1 Sensor 2	PPM
SCRSTA	SCR Inducement State	

Engine Performance - Fuel

Label	Description	Unit
FUEL R	Fuel Flow Rate	GAL/HR
FUEL L	Fuel Tank Level	%
TM ADV	Injection Timing Advance	°BTDC
INJ-1	Injector 1 Balance Rate	%
INJ-2	Injector 2 Balance Rate	%
INJ-3	Injector 3 Balance Rate	%
INJ-4	Injector 4 Balance Rate	%
INJ-5	Injector 5 Balance Rate	%
INJ-6	Injector 6 Balance Rate	%
INJ-7	Injector 7 Balance Rate	%
INJ-8	Injector 8 Balance Rate	%

Diagnostics

Label	Description	Unit
MILDIS	Dist Traveled While MIL Active	MILES
DTCTRV	Distance Since DTCS Cleared	MILES
RUN TM	Engine Run Time	MIN
FLAG	Flag	
ENGIDL	Idle Run Time	HR
MIL	MIL Status	
TIME	Time Data Log	S
ENGRUN	Total Engine Run Time	HR
WARMUP	Warmups Since DTCS Cleared	COUNT

Pressure

Label	Description	Unit
AAP	Ambient Air Pressure	PSIA
AAP	Ambient Air Pressure (in hg)	INHG
BOOST	Boost Pressure	PSIG
BST-VAC	Boost/Vacuum Pressure	PSIG
DPFIP1	DPF Inlet Press Bank 1	PSIA
OIL P	Engine Oil Pressure	PSIG
FRPCMD	FRP Commanded	PSIA
FRP	Fuel Rail Pressure	PSIA
LIFT P	Lift Pump Fuel Pressure	PSIG
MAP	Manifold Absolute Pressure	PSIA
MAP A	Manifold Pressure A	PSIA
MAPCMD	MAP Commanded	PSIA
P-RAT	Pressure Ratio - System	
TRAN-1	Trans Line 1 Pressure Command	PSIA
TRAN-2	Trans Line 2 Pressure Command 1	PSIA
TRAN-2	Trans Line 3 Pressure Command 1	PSIA

Temperature

Label	Description	Unit
AAT	Ambient Air Temp	°F
AAT	Ambient Air Temp (in Rankin)	°R
CAC1/1	CAC Temp Bank 1 Sensor 1	°F
CAC1/2	CAC Temp Bank 1 Sensor 2	°F
SYS-DT	Delta Temperature System	
EGT	EGT - Turbo Inlet Temperature	°F
EGT1	EGT1 - Diesel Oxidization CAT (DOC) Inlet	°F
EGT1/5	EGT5 Post DPF	°F
ECT	Engine Coolant Temp	°F
EOT	Engine Oil Temp	°F
EGT1/1	Exh Temp Bank 1 Sensor 1	°F
EGT2	EGT2 - Diesel Oxidization CAT (DOC) Outlet	°F
EGT3	EGT3 - Selective Catalyst Reduction (SCR) Outlet	°F
EGT4	EGT4 - Diesel Particulate Filter (DPF) Inlet	°F
FUEL T	Fuel Rail Temp A	°F
IAT1/1	IAT Bank 1 Sensor 1	°F
IAT1/2	IAT Bank 1 Sensor 2	°F
IAT1/3	IAT Bank 1 Sensor 3	°F
IAT	Intake Air Temp	°F
MAT	Manifold Air Temp	°F
TRNS T	Transmission Fluid Temp	°F

Transmission

Label	Description	Unit
TCSTAT	Torque Converter Status	
GEAR	Trans Gear	
GEAR-C	Trans Gear Commanded	
TR SLP	Transmission Slip	RPM