

iDash Parameter List - 2013 Chevrolet Sonic 1.4L Turbo

Air Density		
Label	Description	Unit
J1349	Correction Factor SAE J1349	
AAD	Density - Ambient Air	LB/1KFT3
BAD	Density - Boost Air	LB/1KFT3
CAD	Density - Cylinder	LB/1KFT3
MAD	Density - Manifold Air	LB/1KFT3
AAD	Density % - Ambient Air (J1349)	%
CAD	Density % - Cylinder (J1349)	%
MAD	Density % - Manifold Air (J1349)	%
DN-ALT	Density Altitude	FT
D-RAT	Density Ratio - System	
PR-ALT	Pressure Altitude	FT
SAT-P	Saturation Pressure	INHG
VAP-P	Vapor Pressure	INHG

Engine Performance - Air		
Label	Description	Unit
TPS B	Absolute Throttle Pos B	%
ABSTPS	Absolute Throttle Position	%
AI-RAT	Air Induction Ratio	
HPC-1K	Ambient Custom Fuel Power Potential per 1000 CFM	HP/1k
HPD-1K	Ambient Diesel Power Potential per 1000 CFM	HP/1k
HPE-1K	Ambient E85 Power Potential per 1000 CFM	HP/1k
HPG-1K	Ambient Gas Power Potential per 1000 CFM	HP/1k
HPM-1K	Ambient Methanol Power Potential per 1000 CFM	HP/1k
CFM-EN	CFM Engine	CFM
CFM-IND	CFM Inducted	CFM
HED-EFF	Cylinder Head Efficiency	%
MAF	Mass Air Flow	GRAM/S
MAF-C	Mass Airflow Calculated	GRAM/S
THRCMD	Throttle Commanded	%
THRT-R	Throttle Position Relative	%

Vehicle Performance		
Label	Description	Unit
LOAD	Absolute Engine Load	%
APP D	Accelerator Pedal D	%
APP E	Accelerator Pedal E	%
HP-AMB	Ambient % of Density	%
HP-AMB	Ambient HP Contribution	HP
BP ACT	Brake Pedal Active	
LOAD	Calculated Engine Load	%
DISP	Engine Displacement	L
HP-EST	Horsepower Estimated	HP
HP-MAX	Horsepower Maximum	HP
HP-POT	Horsepower Potential	HP
IGN TM	Ignition Timing Advance	°BTDC
TQ-EST	Torque Estimated	FT-LB

Emissions		
Label	Description	Unit
EVAPCM	Evap Purge Commanded	%
CAT M	Monitor - Catalyst	
COMP M	Monitor - Comprehensive Component	
EGR M	Monitor - EGR and/or VVT System	
EVAP M	Monitor - Evaporative System	
FUEL M	Monitor - Fuel System	
MIS M	Monitor - Misfire	
O2S M	Monitor - Oxygen Sensor	
HTR M	Monitor - Oxygen Sensor Heat	

Engine Performance - Fuel		
Label	Description	Unit
AFRCMD	Air Fuel Ratio Commanded	AFR
LOOP	Fuel Closed Loop Status	
FR-EST	Fuel Flow Rate Estimated	GPH
FUEL L	Fuel Tank Level	%
LTFT1	Long Term Fuel Trim Bank 1	%
STFT1	Short Term Fuel Trim Bank 1	%
TFT 1	Total Fuel Trim Bank 1	%

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	
MIL	MIL Status	
TIME	Time Data Log	S
WARMUP	Warmups Since DTCS Cleared	COUNT

Speed and Velocity		
Label	Description	Unit
CRUISE	Cruise Control Status	
RPM-R	Engine Rate of Change	RPM/S
RPM	Engine RPM	
ISS	Trans Input Shaft Speed	RPM
OSS	Trans Output Shaft Speed	RPM
SPEED	Vehicle Speed	MPH

Pressure		
Label	Description	Unit
AAP	Ambient Air Pressure	PSIA
AAP	Ambient Air Pressure (inHg)	INHG
BOOST	Boost Pressure	PSIG
BST-VA	Boost/Vacuum Pressure	PSIG
OIL P	Engine Oil Pressure	PSIG
EVAP P	Evap Sys Vapor Pressure	PA
LIFT P	Lift Pump Fuel Pressure	PSIG
MAP	Manifold Absolute Pressure	PSIA
MAP	Manifold Air Pressure (inHg)	INHG
P-RAT	Pressure Ratio - System	
TRAN-1	Trans Line 1 Pressure Command	PSIA
TRAN-2	Trans Line 2 Pressure Command 1	PSIA
TRAN-3	Trans Line 3 Pressure Command 1	PSIA

Temperature		
Label	Description	Unit
AAT	Ambient Air Temp	°F
AAT	Ambient Air Temp Absolute (in Rankin)	R
CAT1/1	Catalyst Temp Bank 1 Sensor 1	°F
SYS-DT	Delta Temperature System	
ECT	Engine Coolant Temp	°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
TCSTAT	Torque Converter Status	
GEAR	Trans Gear	
GEAR-C	Trans Gear Commanded	
TR SLP	Transmission Slip	RPM

Voltage		
Label	Description	Unit
BATT*	B-Bus Battery Voltage	V
BATT	ECU Battery Voltage	V
O2 1/1	O2 Bank 1 Sensor 1 Volt	V
O2 1/2	O2 Bank 1 Sensor 2 Volt	V

*PIDs shows visible via "GM Standard" mode