

iDash Parameter List - 2018 Ford F-150 Power Stroke 3.0L

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
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
BSAC	Brake Specific Air Consumption	
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
THRT-C	Throttle Commanded	%
THRT-P	Throttle Position	%
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	%
APPREL	Accelerator Pedal Relative	%
HP-AMB	Ambient % of Density	%
HP-AMB	Ambient HP Contribution	HP
LOAD	Calculated Engine Load	%
DISP	Engine Displacement	L
TRQ FR	Engine Friction % Torque	%
TRQREF	Engine Reference Torque	FT-LB
HP-ECU	Horsepower ECU	HP
HP-EST	Horsepower Estimated	HP
HP-MAX	Horsepower Maximum	HP
HP-POT	Horsepower Potential	HP
IDLE	Idle Commanded	RPM
O LIFE	Oil Life Remaining	%
TORQUE	Torque % Actual	%
TRQCMD	Torque % Commanded	%
TQ-ECU	Torque ECU	FT-LB
TQ-EST	Torque Estimated	FT-LB

Speed and Velocity		
Label	Description	Unit
RPM-R	Engine Rate of Change	RPM/S
RPM	Engine RPM	
SPEED	Vehicle Speed	MPH

Emissions		
Label	Description	Unit
PM 1	% Particulate Matter Bank 1	%
DEFCMD	AVG DEF Commanded	GAL/HR
DEFAVG	AVG DEF Consumption	GAL/HR
DPFDIS	Avg Distance Between DPF Regen	MILES
DPFTIM	Avg Time Between DPF Regen	MIN
DEFLVL	DEF Fluid Level	%
DEFLOW	DEF Fluid Level Low	
DEF C	DEF Injection Command	%
REGEN	Dpf Regen Status	
DPF RG	DPF Regen Trigger	%
DPF SL	DPF Soot Load Percent	%
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	
EGAS 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

Engine Performance - Fuel		
Label	Description	Unit
BSFC	Brake Specific Fuel Consumption	LB/HP*H
EXH-R	Engine Exhaust Flow Rate	GAL/HR
FR-EST	Fuel Flow Rate Estimated	GPH
F PRES	Fuel Pressure Control Valve	%
FUEL L	Fuel Tank Level	%
F VOL	Fuel Volume Control Valve	%
TM ADV	Injection Timing Advance	°BTDC
O2S1/1	O2 Sensor Concentration Bank1 Sensor1	%
O2S1/2	O2 Sensor Concentration Bank1 Sensor2	%
LAMB1/1	O2 Sensor Lambda Bank1 Sensor1	LAMBDA
LAMB1/2	O2 Sensor Lambda Bank1 Sensor2	LAMBDA

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	
ENGDIL	MIL Status	
MIL	Run Time Since DTCS Cleared	MIN
ENGRUN	Run Time While MIL Active	MIN
WARMUP	Time Data Log	S

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
DPFIP1	DPF Inlet Press Bank 1	PSIG
EXH P1	Exhaust Pressure Bank 1	PSIA
FRPCMD	FRP Commanded	PSIA
FRP	Fuel Rail Pressure	PSIA
FRP	Fuel Rail Pressure	PSIA
FRP	Fuel Rail Pressure	PSIA
MAP	Manifold Air Pressure (inHg)	INHG
MAP A	Manifold Pressure A	PSIA
MAPCMD	MAP Commanded	PSIA
P-RAT	Pressure Ratio - System	
TPM LF	Tire Press Left Front	PSIG
TPM LR	Tire Press Left Rear	PSIG
TPM RF	Tire Press Right Front	PSIG
TPM RR	Tire Press Right Rear	PSIG

Temperature		
Label	Description	Unit
AAT	Ambient Air Temp	°F
AAT	Ambient Air Temp Absolute (in Rankin)	R
CAC1/1	CAC Temp Bank 1 Sensor 1	°F
CAT1/1	Catalyst Temp Bank 1 Sensor 1	°F
CAT1/2	Catalyst Temp Bank 1 Sensor 2	°F
SYS-DT	Delta Temperature System	°F
EGR1/1	EGR Temp Bank1 Sensor 1	
EGR1/2	EGR Temp Bank1 Sensor 2	°F
ECT	Engine Coolant Temp	°F
EGT1/1	Exh Temp Bank 1 Sensor 1	°F
EGT1/2	Exh Temp Bank 1 Sensor 2	°F
EGT1/3	Exh Temp Bank 1 Sensor 3	°F
EGT1/4	Exh Temp Bank 1 Sensor 4	°F
FUEL T	Fuel Rail Temp A	°F
IAT	Intake Air Temp	°F
MAT	Manifold Air Temp	°F
TRNS T	Transmission Fluid Temp	°F

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

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