

Ford Enhanced Parameters

0.020" dia idle evap leak check completed
0.020" dia idle evap leak check Run
0.20" dia idle evap leak check not allowed
32 Bit Addressing Command
6 Bit Variable Output Voltage #1
6 Bit Variable Output Voltage #2
8 Bit Variable Output Voltage #1
8 Bit Variable Output Voltage #2
A/C Clutch
A/C Compressor Temperature
A/C CYCLE SW
A/C Driver Heater Sensor
A/C Passenger Heater Sensor
A/C Pressure
A/C Pressure Switch
A/C Pressure Transducer
A/C REFRIG DISCHARGE TEMP
Absolute Throttle Position Sensor
Absolute Throttle Position Sensor Voltage
AC Post Evaporator Sensor
Accelerator Pedal Position
Accelerator Position Sensor 1 Voltage
Accelerator Position Sensor 2 Voltage
Accelerometer
ACCESS
Accelerator Position Sensor 3 Voltage
Active Axle Ratio
Active Tire Size
Actual Axle Torque
Air Bag Monitor Bracket Ground Resistance
Air Bag Monitor Bracket Ground Resistance
AIR RIDE CTRL-FAULT
Airbag Bracket Ground Bracket Resistance
Airbag Monitor Bracket Ground Resistance
Alternator Control Field Output Duty Cycle
Alternator Field sig mk- Space Ratio
Alternator Voltage
Alternator Warning Lamp Fault
Analog Input for Power Steering Pressure Sw
Anti-scan enabled and counting
APPS1
APPS2
APPS3
Audio Steering Switch Circuit Resistance
AUTO RIDE CTRL STATUS
Autolamp Analog Input Status
Autolamp Delay Time
Auxiliary Current
Auxiliary Sensor Voltage
BANK 1 UPSTREAM HEGO VOLT
BANK 2 UPSTREAM HEGO VOLT
Barometric Pressure
Barometric Pressure Input
Battery Electrolyte Temperature
Battery Integrity
Battery Module Capacity
Battery Module Charge Cycles
Battery Module Low Voltage Flags
Battery Module Voltage
Battery Pack State of Charge
Battery Pack Voltage
Battery Voltage
BLOWER MTR ON/OFF

Blower/Fan Sense Voltage
Brake Fluid Level Input
Brake Hydraulic Pressure Transducer Main Signal
Brake Hydraulic Pressure Transducer Redundant Signal
Brake On/Off Switch
Brake Pedal Position
BRK PEDAL POS/BRK SW ON/OFF
BRK PRES APPLIED
Calculated Load Value
Calculated slip across torque converter
Calibrated Frequency Bank 2
Calibration Volt Input
Camper Current-Right Rear
Camshaft Position Commanded Duty Cycle
Camshaft position error
Canister purge requested
Canister purge solenoid output driver fault
Canister Vent Solenoid Duty Cycle
Cat 1 Calibrated Frequency
CAT-1 Test Frequency
CAT-2 Test Frequency
Catalyst monitor completed this driving cycle
Cellular Phone Microphone Sense Voltage
Cellular Phone network Signal Strength
CFCIL
Charging Capacity
Charging Level Output Status
Check Fuel Cap Light Fault
CID SNES FAIL MODE
Climate Control Blend Door Position Feedback
Climate Control Bypass Servo Position Status
Climate Control Defrost Servo Position Status
Climate Control Fan Speed Switch Status
Climate Control Floor Servo Position Status
Climate Control Heater Coolant Temperature Sensor
Climate Control Panel Servo Position Status
Climate Control Recirculation Servo Position Status
Closed throttle position
Cluster Fuel Gauge Drive Signal
CLUTCH PEDAL POSITION
COAST
COAST CLUTCH SOL 3/2 TIMING PRES
COAST CLUTCH SOL PRIMARY CKT MONITOR
COAST CLUTCH SOL-FAULT
COLD ADVANCE SOL
COMMANDED GEAR BY OSC
Commanded gear for transmission
Comprehensive components monitor completed this driving cycle
Compressor/Motor Current
Compressor/Motor Speed
CONDITIONS CORRECT TO ENABLE VCT
CONTINUOUS DTC COUNTER
Control Sensor
Coolant Temperature
COOLING FAN STATE
Courtesy Lamp Output Value
CPP/TCS
Cruise Control Switch Input Voltage
Cruise Control Switch Input Voltage
Cumulative Cylinder #1 Misfires
Cumulative Cylinder #2 Misfires
Cumulative Cylinder #3 Misfires
Cumulative Cylinder #4 Misfires
Cumulative Cylinder #5 Misfires
Cumulative Cylinder #6 Misfires

Cumulative Cylinder #7 Misfires
Cumulative Cylinder #8 Misfires
Cumulative Misfires
Current Monitor for 3-2 Timing Coast Clutch Solenoid
Current transmission calculated gear ratio
Currently misfiring
Customer State of Charge
CYL 1 CHANGE ROTATIONAL VEL
CYL 2 CHANGE ROTATIONAL VEL
CYL 3 CHANGE ROTATIONAL VEL
CYL 4 CHANGE ROTATIONAL VEL
CYL 5 CHANGE ROTATIONAL VEL
CYL 6 CHANGE ROTATIONAL VEL
CYL 7 CHANGE ROTATIONAL VEL
CYL 8 CHANGE ROTATIONAL VEL
CYL HEAD TEMP INDICATOR LMP
CYL HEAD TEMP INDICATOR LMP FAULT
Cylinder Head Temperature
Cylinder Head Temperature Voltage
Damper Current-Left Front
Damper Current-Left Rear
Damper Current-Right Front
Damper Supply Current
Damper Supply Voltage
DAYTIME RUNNING LMP IN
DEMANDED START OF INJECTION
Desired Engine RPM
Desired Idle Speed Control RPM
Desired RPM for Idle Speed Control
Desired slip across torque converter
Desired Torque Converter Clutch Slip
Driver Air Bag Resistance
Driver Airbag Loop #2 Resistance
Driver Buckle Resistance
Driver Mirror Position
Driver Pretensioner Circuit Resistance
Driver Seat Front Vertical Position
Driver Seat Headrest Position
Driver Seat Horizontal Position
Driver Seat Lumbar Position
Driver Seat Rear Recline Position
Driver Seat Rear Vertical Position
Driver Seat Vertical Position
Driver Side Airbag Resistance
Driver Side Airbag Resistance
Driver Side Impact Air Bag Resistance
Driver Side Pretensioner Circuit Resistance
Driver's Seat Pedals Rearward/Forward Position
Driver's Window Position Hall Sensor
Duty Cycle for Fuel Pump Control Output
EGO 21 FLT
EGO11 FLT
EGR DPFE sensor input at the time of misfire
EGR Duty Cycle
EGR DUTY CYCLE DEMAND
EGR monitor completed this driving cycle
EGR Output State Monitor
EGR Sensor Voltage
EGR Stepper Motor Position
EGR system in failure mode
EGR Throttle Position Sensor Input Voltage
EGR Valve Desired Position
EGR/BP Pressure Sensor input
ELECTRONIC PRES CTRL SOL A
ELECTRONIC PRES CTRL SOL B

ENG ENABLE IN
ENG OIL TEMP
ENG OIL TEMP FAULT DETECTED
ENGHT1
ENGHT2
Engine Coolant Temperature
Engine Coolant Temperature Display
Engine Coolant Temperature Voltage
Engine load at the time of misfire
Engine Oil Level
Engine Oil Temperature
Engine Oil Temperature Input
Engine rpm at the time of misfire
Engine running time at the time of misfire
Engine Speed
Engine Torque into torque converter
Engine-off soak time at the time of misfire
EPC Overcurrent Circuit Monitor
EVAP EMISION CAN PURGE-FAULT
Evap Monitor Operational State
EVAP monitor soak time conditions have been met
Evaporative canister vent solenoid circuit fault
Evaporative system monitor completed this driving cycle
EVR driver output state monitor for ML-1 modules
EVR output driver fault (Open)
EVR output driver fault (Short)
Exhaust Back Pressure
Exhaust Back Pressure
Exhaust Back Pressure Duty Cycle
Exhaust Back Pressure Input
EXHAUST GAS RECIRC VALV POS
EXHAUST GAS RECIRC-ENABLE BARO
EXHAUST GAS RECIRC-VENT SOL
EXHAUST GAS RECIRD-FAULT-VENT SOL
EXHAUST GAS RECIRD-VAC SOL
EXHAUST GAS RECIRD-VAC SOL FAULT
Exterior Temperature
External Crash Sensor Test Voltage
External Temperature Sensor Filtered Data
External Temperature Sensor Filtered Data #2
External Temperature Sensor Filtered Data #3
External Temperature Sensor Unfiltered Data
External Temperature Sensor Unfiltered Data #2
FAN SECONDARY CKT MONITOR
FAN SPD SENS ACT SPD
FAN SPD SENS MON
FFG RPS
FIRMSFT
Flame Sensor
Flash Memory Start Address & Configuration
FLEX FUEL SENS ON/OFF
FLEX FUEL-ALCOHOL CONTENT
FLEX FUEL-ALCOHOL CONTENT LEARNED
Frequency Fuel Pump
FUEL CNTRL STATE
Fuel Flow
Fuel Flow Offset
Fuel Gauge Commanded Position
Fuel Injector Pulse Width
Fuel injector pulsewidth, bank 1
Fuel injector pulsewidth, bank 2
Fuel Level Analog Input #2 Status
Fuel Level Analog Input #3 Status
Fuel Level Analog Input Status
Fuel monitor completed this driving cycle

Fuel Pressure
FUEL PUMP CTRL PRIMARY CKT MON
Fuel Pump Monitor Duty Cycle
FUEL PUMP MONITOR ON/OFF
FUEL PUMP OUT FAULT DETECTED
Fuel Rail Pressure
Fuel Rail Pressure Transducer Raw Input
Fuel Rail Temperature
fuel Rail Temperature Sensor Bank 2
Fuel Rail Temperature Sensor Bank 2 Raw Input
Fuel Rail Temperature Sensor Raw Input
FUEL SELECT SW
FUEL SOL FAULT DETECTED
FUEL SOL VALV
FUEL SOL VALV-MONITOR
Fuel Tank Level
Fuel Tank Level Voltage
Fuel Tank Pressure
Fuel Tank Pressure Sensor failure
Fuel Tank Pressure Voltage
Fuel Usage
Gage Volts
GENERATOR FIELD SIG MONITOR
GENERATOR OUT FAULT DETECTION
Glow Plug Coil Duty Cycle
GLOW PLUG CURRENT-LT BANK
GLOW PLUG CURRENT-RT BANK
Glow Plug Lamp On Time
GLOW PLUG LMP
Glow Plug Oil On Time
GLOW PLUG OUT
HEADLAMP IN
Height Sensor Power
High Speed Fan
HIGHEST GEAR PERMITTED
HI-SPEED FAN PRIMARY CKT MONITOR
HIST_MF
HIST_SD
HO2S monitor completed this driving cycle
HO2S11 actual heater status
HO2S11 heater commanded
HO2S11 heater current
HO2S11 heater output driver fault
HO2S11 Voltage
HO2S12 actual heater status is
HO2S12 heater commanded
HO2S12 heater current
HO2S12 heater output driver fault
HO2S12 Voltage
HO2S21 actual heater status
HO2S21 heater commanded
HO2S21 heater current
HO2S21 heater output driver fault
HO2S21 Voltage
HO2S22 actual heater status
HO2S22 heater commanded
HO2S22 heater current
HO2S22 heater output driver fault
HO2S22 Voltage
IAC output fault (Short to Ground)
ID of Leaking Battery Pack Module
IDBRKSW
Idle Air Control or Idle Speed Duty Cycle
Idle Speed Control Operating Mode
IDLE TRACKING SENS

IEVT
IGN_R
Ignition Timing Advance
Ignition Voltage
In Gear during time of misfire
Info for CARB Verification of Adaptive Fuel pump Monitor
Injection Control Pressure
Injection Control Pressure
Injection Control Pressure Duty Cycle
Injection Control Pressure Input
Injector #1 fault (open/short)
Injector #10 fault (open/short)
Injector #2 fault (open/short)
Injector #3 fault (open/short)
Injector #4 fault (open/short)
Injector #5 fault (open/short)
Injector #6 fault (open/short)
Injector #7 fault (open/short)
Injector #8 fault (open/short)
Injector #9 fault (open/short)
INT SHAFT SPD
Intake Air Temperature
Intake air temperature at the time of misfire
Intake Air Temperature Voltage or Air Charge Temperature
INTAKE MANIF RUN CONT FAULT DET
INTAKE MANIF TUNING VALV CONT FAULT
Intake Manifold Absolute Pressure
INTAKE MANIFOLD RUN CTRL
INTAKE MANIFOLD RUN CTRL MONITOR
Intake Manifold Runner Control Duty Cycle
Intake Manifold Runner Control Position-Bank 1
Intake Manifold Runner Control Position-Bank 2
INTAKE MNFLD TUNING VALV VAC CTRL
Interior Actual Temperature
Interior Actual Temperature #2
Interior Set Temperature
Internal Backup Power Supply Voltage Value
Intervention Motor Drive Signal Duty Cycle
Intervention Motor Throttle Position
IVD Sensors Supply Voltage
KNOCK SENS IN BANK 1
KNOCK SENS IN BANK 2-
Knock Sensor Timer
Knock Sensor Voltage
Last Dealer ID
Last Received Transmitter ID Code (TIC) Value
Lateral Acceleration Value
Lateral Acceleration-Front
Lateral Accelerometer
Leakage Resistance
Left Front Analog Height Sensor
Left Front Wheel Speed Sensor Input
Left Rear Analog Height Sensor
Left Rear Analog Height Sensor
Left Rear Wheel Speed Sensor Input
Long Term Fuel Trim Bank 1
Long Term Fuel Trim Bank 1
Long Term Fuel Trim Bank 2
Long Term Fuel Trim Bank 2
Low Fuel Level - Simulated Misfire
Low Fuel Shutdown
Low Oil Pressure Sender
LOW SPD FUEL PUMP FAULT DETECTED
Low Speed Fan
Low Word MIS_NOCALL

Low Word of Cumulative Cylinder #1 Misfires
Low Word of Cumulative Cylinder #2 Misfires
Low Word of Cumulative Cylinder #3 Misfires
Low Word of Cumulative Cylinder #4 Misfires
Low Word of Cumulative Cylinder #5 Misfires
Low Word of Cumulative Cylinder #6 Misfires
Low Word of Cumulative Cylinder #7 Misfires
Low Word of Cumulative Cylinder #8 Misfires
Low Word of Cumulative Misfires
Low Word Total Cylinder Events
LOW-SPD VAN OUT FAULT DETECTED
LPG STEPPER MTR DESIRED POS
Main Sensor Voltage
MALF INDICATE LMP OUT FAULT DET
MANIFOLD AIR TEMP
MANIFOLD AIR TEMP VOLT
Manifold Gage Pressure
MAP Signal Frequency
MAP VOLT
MASS AIR FLOW RATE
Mass Air Flow sensor voltage
Mass Air Flow Sensor Voltage
Mass Fuel Desired
Master Cylinder Pressure
Master Cylinder Pressure
MASTER KEY PRESENT
MAX THROT POS
Maximum Intermittent ECT Fault Filter Value
Maximum Intermittent HEGO B1S1 Fault Filter Value
Maximum Intermittent HEGO B1S2 Fault Filter Value
Maximum Intermittent HEGO B2S1 Fault Filter Value
Maximum Intermittent HEGO B2S2 Fault Filter Value
Maximum Intermittent IAT Fault Filter Value
Maximum Intermittent MAF Fault Filter Value
Maximum Intermittent TP Fault Filter Value
Maximum Intermittent VSS Fault Filter Value
MEAS START OF INJECTION
Measurement Time Unit
MED FAN SPD FAULT
MED FAN SPD REQ ON
MIL
MIS_NOCALL Cyl Events
Misfire wheel profile learned in KAM
Misfire monitor completed this driving cycle
Module User RAM Start Address
NEEDLE LIFT LOST
Net Engine Torque
Neutral/Drive Input
Number of completed OBD-II drive cycles
Number of completed OBD-II trips
Number of ignition key codes supported
Number of Packets Decoded Since last Transmission
Number of Programmed Transmitters
Number Of Transitions due to I/O Test
Number of trips since the time of misfire
O2 Sensor - Bank 1 Sensor 1
O2 Sensor - Bank 1 Sensor 2
O2 Sensor - Bank 1 Sensor 3
O2 Sensor - Bank 1 Sensor 4
O2 Sensor - Bank 2 Sensor 1
O2 Sensor - Bank 2 Sensor 2
O2 Sensor - Bank 2 Sensor 2
O2 Sensor - Bank 2 Sensor 3
O2 Sensor - Bank 2 Sensor 4
O2S DOWNSTREAM HTR CTRL

O2S UPSTREAM HTR CTRL
Octane Adjust
ODBII Trip Completed
Odometer
Odometer Rolling Count
Oil Pressure Switch Control
Open Loop
OPEN LOOP FUEL STATUS
OVERDRIVE DRUM SPD(GEAR=1,3,4)
Overheat Sensor
Panel Intensity Analog Input
Parallel Combination of Bus Leakage Resistance
Park/Neutral Position
PARTIAL LOAD ADVANCE SOL
Passenger Air Bag Resistance
Passenger Airbag Loop #2 Resistance
Passenger Buckle Resistance
Passenger Mirror Position
Passenger Pretensioner Circuit Resistance
Passenger Side Impact Air Bag Resistance
Passenger Side Pretensioner Circuit Resistance
Passenger's Window Position Hall Sensor
PATTERN SELECT SW STATE
PBA_SW
PCA
PCB
PCC
PCM_ID
PCM_VFY
Pointer to Level II Diagnostics
Power Sliding Door Position Sensor #1
Power Sliding Door Position Sensor #2
Power Steering Load
POWER STEERING PRES SENSOR
Power Take Off
Power Window Decklid/Hatch Motor Current
Power Window Decklid/Hatch Peak Motor Current
Power Window Driver's Motor Current
Power Window Driver's Motor Current
Power Window Driver's Peak Motor Current
Power Window Driver's Temperature Sensor
Power Window Left Rear Motor Current
Power Window Left Rear Peak Motor Current
Power Window Passenger's Motor Current
Power Window Passenger's Peak Motor Current
Power Window Right Rear Motor Current
Power Window Right Rear Peak Motor Current
Power Window Sun/Moon Roof Motor Current
Power Window Sun/Moon Roof Peak Motor Current
PRES CNTRL FLT
Primary Crash Sensor #1 Ground Resistance
Primary Crash Sensor #2 Ground Resistance
PRNDL Position
PROFILE IGN PICKUP
Programmed Transmitter ID Code (TIC) Value
Purge Duty Cycle
Purge Flow Sensor Voltage
PWM Duty Cycle #1
PWM Duty Cycle #2
PWM Duty Cycle #3
PWM Duty Cycle #4
PWM Duty Cycle #5
Power Window Passenger's Motor Current
Raw Battery Voltage Input
RAW_EG1

RAW_EG2
Rear Differential Wheel Speed Sensor Input
Rear O2 Fuel Trim, Bank 2
Rear O2 Fuel Trim, Bank1
REAR WINDOW ELECTRIC DEFROST IN
RECIRC CTRL OVERRIDE
Reference Voltage
Register Address for ALC_STRT_KAM
REQUESTED 4X4 IN
RESUME
REV LMP CTRL - OUTPUT FLT
Reverse Gear Selected
Right Camshaft Position
Right Front Analog Height Sensor
Right Front Wheel Speed Sensor Input
Right Rear Analog Height Sensor
Right Rear Wheel Speed Sensor Input
RPS
Run Time in Alternate Fuel Mode
Run Time in Gasoline Mode
S/C BYPASS CTRL OUT FAULT DET
S/C I/C PUMP CTRL OUT FAULT DET
S/C INTERCOOLER PUMP CTRL
SC_F
SC_HW_F
SC_OFF
SC_ON
SCINT_F
SCTCACT
Second Air Charge Temperature Sensor Input
SECONDARY AIR FAULT INDICATOR
SECONDARY AIR MONITOR
Secondary air monitor completed this driving cycle
SECONDARY AIR-BYPASS
SECONDARY AIR-DIVERT
SECONDARY THROT (TC) FAULT
Secondary Throttle Position Duty Cycle
Secondary Throttle Position Raw
Secondary Throttle Relative Position
SERVICE IDLE ADJUST STATUS
SERVMOD
Set Temperature
SET/ACL
SHIFT SOL 1 OUT FAULT DET
SHIFT SOL 1 PRIMARY CKT MONITOR HIGH
SHIFT SOL 2 OUT FAULT DET
SHIFT SOL 2 PRIMARY CKT MONITOR HIGH
SHIFT SOL 3 COMMANDED ON
SHIFT SOL 3 OUT FAULT DET
SHIFT SOL 3 PRIMARY CKT MONITOR HIGH
SHIFT SOL 4 COMMANDED DUTY CYCLE
SHIFT SOL 4 COMMANDED ON
SHIFT SOL 5 COMMANDED ON
Shift Solenoid 1
Shift Solenoid 2
Shift Solenoid 3
Short Term Fuel Trim Bank 1
Short Term Fuel Trim Bank 2
SOFTWARE OCTANE ADJUST
Spare Key Programming
Spark Advance
Speech Recognition Effectiveness
Speed Control CANCEL
Speed Control Circuit Failure
Speed Ratio Across Converter

Speed Signal-30K Pulse/Mile Output
Speed Signal-80K Pulse/Mile Input
Speed Signal-8K Pulse/Mile Output
START RLY
State of Charge
Steering Rate
Steering Wheel Angle
Sun Load Temperature
Sunload Passenger Sensor A/D Range
Sunload Sensor A/D Range
SUPERCHARGER BYPASS CTRL
SW4X4L
System Battery Voltage Value #1
System Battery Voltage Value #2
System Battery Voltage Value #3
System Battery Voltage Value #4
System Battery Voltage Value #5
TACH FREQ
TC AVAILABLE
TC ENG TORQ OUT
TC ENG TORQ REQUESTED
TCASE
TCC
Temperature Sensor Input #1
Temperature Sensor Input #2
The Secondary Air Injection
Throttle Mode
Throttle position at the time of misfire
Throttle Position Status
Time Since Engine Start
Timeout - One Touch Window Motor
TORQ CONV CLUTCH OUT FAULT DET
TORQ CONV CLUTCH PRIMARY CKT MONITOR
TORQUE CONVERTER BY OSC
Total number of on-demand codes
Traction Main Current
TRANS CASE SPD SENSOR
Trans control indicator light
TRANS CTRL IND LMP OUT FAULT
TRANS FLUID TEMP
TRANS OUT SHAFT SPD
TRANS RANGE SENS-DIGITAL
TRANS REV SW IN
TRANSAXLE RATIO LEARNED
TRANSMISSION CNTRL SW FLAG
Transmission Control Switch
Transmission Fluid Temperature Voltage
Transmission Gear Ratio (input speed/output speed)
Transmission Output Shaft Speed
TRANSMISSION RANGE DUTY CYCLE
TRANSMISSION RANGE FREQUENCY
TRANSMISSION RNGE SENSOR, NO FMEM
Transmission Transfer Case Front Output Shaft Speed
Trip Odometer
Turbine Shaft Speed Sensor
Unlimited Transponder Security key ID
Upper and Lower Limits Power Window Motor Current
Vacuum Pressure
Vapor Management Valve Output State Monitor
Variable Assist Power Steering Input Current
Variable Assist Power Steering Output Value
Variable Speed Fan Duty Cycle
Variable Speed Fan Fault
Variable Speed Fan Level
VCT CTRL CKT MONITOR

Vehicle ID Voltage #1
Vehicle ID Voltage #2
Vehicle ID Voltage #3
Vehicle Speed
Vehicle speed at the time of misfire
Vehicle Speed Control Indicator Lamp
Vehicle Speed Low Resolution
Vehicle Speed Setting
Vertical Acceleration-Left Front
Vertical Acceleration-Rear
VLCMPF
Volume Fuel Desired
WASTEGATE CTRL DUTY CYCLE
WD_SIG
Windshield Wiper park to Park Time
WOT A/C CUTOUT PRIMARY CKT FAULT
WOT A/C CUTOUT PRIMARY CKT MONITOR
Yaw Rate Sensor
Yaw Rate Value

*Not all enhanced parameters will be available for every vehicle.