Date3/18/2012 5:55:23 PM

VIN1ZV4444F1C52XXXXXX

ManufacturerFord

ModelMustang

Year2012

Monitor Status Report

Name
Continuous
Available
Complete

Misfire
Green">Yes
Green">Yes
Green">Yes

Fuel System
Green">Yes
Green">Yes
Green">Yes

Components
Green">Yes
Green">Yes
Green">Yes

Catalyst

Green">Yes
Green">Yes

Heated Catalyst

Evap System

Green">Yes
Green">Yes

Secondary Air System

AC Refrigerant

Oxygen Sensor

Green">Yes
Green">Yes

Oxygen Sensor Heater

Green">Yes
Green">Yes

EGR System

Green">Yes
Green">Yes

MIL Off

Number of Stored Codes0

This vehicle is ready for emissions testing

Trouble Code Report

Code
Type
Status

P0315
PowerTrain
Permanent
Crankshaft Position System Variation Not Learned

PID

Units

SAE 0x21
Distance traveled while MIL is activated

km

SAE 0x30
Number of warm-ups since DTCs cleared
247

SAE 0x31
Distance traveled since DTCs cleared
2092
km

Service $01 - Powertrain Diagnostic Data

PID

Units

SAE 0x04
Calculated load
21.18%

SAE 0x05

Engine coolant temperature
89C

SAE 0x06
Short term fuel % trim - Bank 1%

SAE 0x07
Long term fuel % trim - Bank 1
7.81%

SAE 0x08
Short term fuel % trim - Bank 2%

SAE 0x09
Long term fuel % trim - Bank 2
3.91%

SAE 0x0C
Engine RPM
647.5RPM

SAE 0x0D
Vehicle speed km/h

SAE 0x0E
Ignition timing advance for #1 cylinder
17

SAE 0x0F
Intake air temperature
21C

SAE 0x10
Mass air flow rate
3.8g/s

SAE 0x11
Absolute throttle position
12.94%

SAE 0x15
Oxygen sensor voltage (Bank 1, Sensor 2)
0.88V

SAE 0x15
Short term fuel trim (Bank 1, Sensor 2)
-1%

SAE 0x19
Oxygen sensor voltage (Bank 2, Sensor 2)
0.88V

SAE 0x19
Short term fuel trim (Bank 2, Sensor 2)
-1%

SAE 0x1F
Time since engine start

1129sec

SAE 0x21
Distance traveled while MIL is activated
km

SAE 0x2E
Commanded evaporative purge
23.92%

SAE 0x2F
Fuel level input
32.16%

SAE 0x30
Number of warm-ups since DTCs cleared
247

SAE 0x31
Distance traveled since DTCs cleared
2092km

SAE 0x32
Evap system vapor pressure
7977Pa

SAE 0x33
Barometric pressure
98kPa

SAE 0x34
Oxygen sensor 1 lambda wide range (current probe)
0.99

SAE 0x34
Oxygen sensor 1 current wide range
-0.05mA

SAE 0x38
Oxygen sensor 5 lambda wide range (current probe)
1.01

SAE 0x38
Oxygen sensor 5 current wide range
0.01mA

SAE 0x3C
Catalyst temperature (Bank 1 Sensor 1)
401.2C

SAE 0x3D
Catalyst temperature (Bank 2 Sensor 1)
401.2C

SAE 0x42
Control module voltage
14.3V

SAE 0x43
Absolute load
12.16%

SAE 0x44
Fuel/Air commanded equivalence ratio
1.01

SAE 0x45
Relative throttle position
0.78%

SAE 0x46
Ambient air temperature
14C

SAE 0x47
Absolute throttle position B
14.12%

SAE 0x49
Accelerator pedal position D
16.08%

SAE 0x4A
Accelerator pedal position E
7.84%

SAE 0x4C
Commanded throttle actuator control
1.57%

Custom 0x00
Input voltage read by the scan tool
14.3V

Service $02 - Freeze Frame Report

Freeze Frame data is not available

Service $05 - Oxygen Sensors

Sensor
Available

Bank 1 - Sensor 1
Green">Yes

Bank 1 - Sensor 2
Green">Yes

Bank 1 - Sensor 3

Bank 1 - Sensor 4

Bank 2 - Sensor 1
Green">Yes

Bank 2 - Sensor 2
Green">Yes

Bank 2 - Sensor 3

Bank 2 - Sensor 4

Service $06 - On-Board Monitoring

Component

Minimum
Maximum
Units
Result

Exhaust Gas Sensor Monitor Bank 1 â€“ Sensor 1
TID $87 - Manufacturer Defined

0.6
sec
Green">Pass

Exhaust Gas Sensor Monitor Bank 1 â€“ Sensor 1
TID $88 - Manufacturer Defined
0.028

0.6
sec
Green">Pass

Exhaust Gas Sensor Monitor Bank 1 â€“ Sensor 2
TID $85 - Manufacturer Defined
-2.22
-15

L
Green">Pass

Exhaust Gas Sensor Monitor Bank 1 â€“ Sensor 2
TID $86 - Manufacturer Defined
2.065

10
sec
Green">Pass

Exhaust Gas Sensor Monitor Bank 2 â€“ Sensor 1
TID $87 - Manufacturer Defined

0.6
sec
Green">Pass

Exhaust Gas Sensor Monitor Bank 2 â€“ Sensor 1
TID $88 - Manufacturer Defined
0.018

0.6
sec
Green">Pass

Exhaust Gas Sensor Monitor Bank 2 â€“ Sensor 2
TID $85 - Manufacturer Defined
-2.187
-15

L
Green">Pass

Exhaust Gas Sensor Monitor Bank 2 â€“ Sensor 2
TID $86 - Manufacturer Defined
2.033

10
sec
Green">Pass

Catalyst Monitor Bank 1
TID $81 - Manufacturer Defined
0.2969

0.7617

Green">Pass

Catalyst Monitor Bank 2
TID $81 - Manufacturer Defined
0.2305

0.7109

Green">Pass

VVT Monitor Bank 1
TID $82 - Manufacturer Defined

16.73deg
Green">Pass

VVT Monitor Bank 1
TID $83 - Manufacturer Defined

8.94deg
Green">Pass

VVT Monitor Bank 1
TID $84 - Manufacturer Defined

15.81deg
Green">Pass

VVT Monitor Bank 1
TID $85 - Manufacturer Defined

8.94deg
Green">Pass

VVT Monitor Bank 2
TID $82 - Manufacturer Defined

16.73deg
Green">Pass

VVT Monitor Bank 2
TID $83 - Manufacturer Defined

8.94deg
Green">Pass

VVT Monitor Bank 2
TID $84 - Manufacturer Defined

15.81deg
Green">Pass

VVT Monitor Bank 2
TID $85 - Manufacturer Defined

8.94deg
Green">Pass

EVAP Monitor (0.090â€�)
TID $80 - Manufacturer Defined
-1992.5
-1992.5
8191.75Pa
Green">Pass

EVAP Monitor (0.090â€�)
TID $81 - Manufacturer Defined

Pa
Green">Pass

EVAP Monitor (0.090â€�)
TID $82 - Manufacturer Defined
-1992.5
-8192
-1992.5Pa
Green">Pass

EVAP Monitor (0.040â€�)
TID $80 - Manufacturer Defined
69.5
-8192
946.5Pa
Green">Pass

EVAP Monitor (0.020â€�)
TID $81 - Manufacturer Defined
61.25
27.5

8191.75Pa
Green">Pass

EVAP Monitor (0.020â€)
TID $82 - Manufacturer Defined

Pa
Green">Pass

EVAP Monitor (0.020â€)
TID $83 - Manufacturer Defined

0.55
Green">Pass

Purge Flow Monitor
TID $80 - Manufacturer Defined
-826.25
-2490.75
8191.75kPa/s
Green">Pass

Purge Flow Monitor
TID $81 - Manufacturer Defined

Pa
Green">Pass

Purge Flow Monitor
TID $82 - Manufacturer Defined

Pa
Green">Pass

Exhaust Gas Sensor Heater Monitor Bank 1 â€“ Sensor 1
TID $81 - Manufacturer Defined
1.511
0.55
3A
Green">Pass

Exhaust Gas Sensor Heater Monitor Bank 1 â€“ Sensor 2
TID $81 - Manufacturer Defined
0.681
0.219
3A
Green">Pass

Exhaust Gas Sensor Heater Monitor Bank 2 â€“ Sensor 1
TID $81 - Manufacturer Defined
1.47
0.55
3A
Green">Pass

Exhaust Gas Sensor Heater Monitor Bank 2 â€“ Sensor 2
TID $81 - Manufacturer Defined
0.708

0.219
3A
Green">Pass

Fuel System Monitor Bank 1
TID $80 - Manufacturer Defined

0.6875
Green">Pass

Fuel System Monitor Bank 2
TID $80 - Manufacturer Defined

0.5898
Green">Pass

Misfire Monitor General Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Monitor General Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Monitor General Data
TID $84 - Manufacturer Defined
401.9
-40
505.3C
Green">Pass

Misfire Cylinder 1 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 1 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)

65535 counts
Green">Pass

Misfire Cylinder 1 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 1 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 2 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 2 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
5

65535 counts
Green">Pass

Misfire Cylinder 2 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 2 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 3 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 3 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
1

65535 counts
Green">Pass

Misfire Cylinder 3 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 3 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 4 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 4 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
2

65535 counts
Green">Pass

Misfire Cylinder 4 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 4 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 5 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 5 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
2

65535 counts
Green">Pass

Misfire Cylinder 5 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 5 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 6 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 6 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
1

65535 counts
Green">Pass

Misfire Cylinder 6 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 6 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 7 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 7 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
2

65535 counts
Green">Pass

Misfire Cylinder 7 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 7 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Misfire Cylinder 8 Data
TID $0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles

65535 counts
Green">Pass

Misfire Cylinder 8 Data
TID $0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer)
1

65535 counts
Green">Pass

Misfire Cylinder 8 Data
TID $80 - Manufacturer Defined

24.4999%
Green">Pass

Misfire Cylinder 8 Data
TID $81 - Manufacturer Defined

0.9995%
Green">Pass

Service $09 - Vehicle Information

Vehicle Identification Number
1ZVBX8RF1C52XXXXX

Calibration ID - $7E8
ZTJ1XX.H3XX

Calibration Verification Number - $7E8
98B3WXYZZ

In-Performance Tracking

Counter

0x00
OBD Monitoring Conditions Encountered Counts
178

0x01
Ignition Cycle Counter
452

0x02
Catalyst Monitor Completion Counts Bank 1
56

0x03
Catalyst Monitor Conditions Encountered Counts Bank 1
178

0x04
Catalyst Monitor Completion Counts Bank 2
56

0x05
Catalyst Monitor Conditions Encountered Counts Bank 2
178

0x06
O2 Sensor Monitor Completion Counts Bank 1
88

0x07
O2 Sensor Monitor Conditions Encountered Counts Bank 1
178

0x08
O2 Sensor Monitor Completion Counts Bank 2
88

0x09
O2 Sensor Monitor Conditions Encountered Counts Bank 2
178

0x0A
EGR and/or VVT Monitor Completion Condition Counts
240

0x0B
EGR and/or VVT Monitor Conditions Encountered Counts
161

0x0E
EVAP Monitor Completion Condition Counts
64

0x0F
EVAP Monitor Conditions Encountered Counts
60

0x10
Secondary O2 Sensor Monitor Completion Counts Bank 1
32

0x11
Secondary O2 Sensor Monitor Conditions Encountered Counts Bank 1
178

0x12
Secondary O2 Sensor Monitor Completion Counts Bank 2
32

0x13
Secondary O2 Sensor Monitor Conditions Encountered Counts Bank 2
178