AUTOMATED SYSTEM TEST

MAC TOOLS DEMO

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VEHICLE INFORMATION

2008 Ford Escape Limited 3.0

VIN	1FMCU94198KA23992
CALIBRATION ID(S):	MBFF1A3.HEX
VERIFICATION ID(S):	87F35D53

SUMMARY

DTCs Found		2
Data Items		53
Freeze Frame Data (Mode 2)		0
Oxygen Sensor Tests (Mode 5)		0
Non Continuously Monitored Tests (Mode 6)		Passed:49 Failed: 0
Readiness Monitor Tests (Mode 1)	Since Cleared Ready:6 Not Ready:2 Not Supported:3	Current Drive Cycle Ready:1 Not Ready:0 Not Supported:10

DTCS

PARKING AID MODULE

C1703	Read Codes	Rear Right Sensor Circuit Malfunction

ENGINE

P1000	Current Codes	On Board Diagnostics II Monitor/Drive Cycle Test Not Complete

INSTRUMENT CLUSTER / PATS

Current Codes	No Diagnostic Trouble Codes

4X4 CONTROL

Current Codes	No Diagnostic Trouble Codes

POWER STEERING CONTROL

Current Codes	No Diagnostic Trouble Codes

AIRBAG

Current Codes	No Diagnostic Trouble Codes

ABS

Current Codes	No Diagnostic Trouble Codes

OCCUPANT CLASSIFICATION

Current Codes	No Diagnostic Trouble Codes

GEM MODULE / TPMS

Current Codes	No Diagnostic Trouble Codes

HEAT VENT A/C

Current Codes	No Diagnostic Trouble Codes

AUDIO CONTROL MODULE

Current Codes	No Diagnostic Trouble Codes

SATELLITE DIGITAL AUDIO

Current Codes	No Diagnostic Trouble Codes

FRONT DISPLAY INTERFACE MODULE

Current Codes	No Diagnostic Trouble Codes

FRONT CONTROLS INTERFACE MODULE

Current Codes	No Diagnostic Trouble Codes

DATA STREAM SNAPSHOT

MIL Lamp [Engine]	Off
Diagnostic Trouble Codes Set [Engine]	0
Fuel Sys B:Open Loop (Bank 1 Or Both) [Engine]	No
Fuel Sys B:Closed Loop - Using All O2 Sensor(s) [Engine]	No
Fuel Sys B:Closed Loop Fault With At Least One O2 Sensor [Engine]	No
Fuel Sys B:Open Loop - Due To System Fault (Bank 1 Or Both) [Engine]	No
Fuel Sys B:Open Loop Due To Driving Conditions (Bank 1 Or Both) [Engine]	No
Fuel Sys A:Open Loop (Bank 2) [Engine]	No

Fuel Sys A:Open Loop (Bank 1 Or Both) [Engine]	No
Fuel Sys A:Closed Loop - Using All O2 Sensor(s) [Engine]	Yes
Fuel Sys A:Closed Loop Fault With At Least One O2 Sensor [Engine]	No
Fuel Sys A:Open Loop - Due To System Fault (Bank 1 Or Both) [Engine]	No
Fuel Sys A:Open Loop Due To Driving Conditions (Bank 1 Or Both) [Engine]	No
Calculated Engine Load [Engine]	37.3 %
Engine Coolant Temperature [Engine]	199 °F
Short Term Fuel Trim Bank 1 [Engine]	-2.3 %
Long Term Fuel Trim Bank 1 [Engine]	0.0 %
Short Term Fuel Trim Bank 2 [Engine]	0.8 %
Long Term Fuel Trim Bank 2 [Engine]	6.2 %
Manifold Absolute Pressure [Engine]	11.52 inHg
Engine RPM [Engine]	748 RPM
Vehicle Speed [Engine]	0 mph
Spark Advance [Engine]	10.0 °
Intake Air Temperature [Engine]	106 °F
Mass Air Flow [Engine]	5.23 g/s
Throttle Position [Engine]	18 %
Oxygen Sensor Bank 1 Sensor 1 [Engine]	0.09 V
Short Term Fuel Trim Bank 1 Sensor 1 [Engine]	0.8 %
Oxygen Sensor Bank 1 Sensor 2 [Engine]	0.72 V
Short Term Fuel Trim Bank 1 Sensor 2 [Engine]	Not Used %
Oxygen Sensor Bank 2 Sensor 1 [Engine]	0.70 V

Short Term Fuel Trim Bank 2 Sensor 1 [Engine]	0.8 %
Oxygen Sensor Bank 2 Sensor 2 [Engine]	0.81 V
Short Term Fuel Trim Bank 2 Sensor 2 [Engine]	Not Used %
OBD Requirements To Which Vehicle Or Engine Is Certified [Engine]	OBD (Federal EPA)
Time Since Eng Start [Engine]	678 sec
Distance MIL Active [Engine]	0 miles
Fuel Rail Pressure Relative To Manifold Vacuum [Engine]	39.0 psi
Commanded Exhaust Gas Recirculation [Engine]	0 %
EGR Error [Engine]	0 %
Commanded Evaporative Emission Vapor Purge [Engine]	13 %
Fuel Level Input [Engine]	86 %
Warm-Ups Since DTC Cleared [Engine]	8 cnt
Distance Since DTC Clear [Engine]	24 miles
Evaporative Emissions System Vapor Pressure [Engine]	-0.10 inH2O
Barometric Pressure [Engine]	29 inHg
Catalyst Temperature Bank 1 Sensor 1 [Engine]	958 °F
Catalyst Temperature Bank 2 Sensor 1 [Engine]	958 °F
Control Module Voltage [Engine]	14.55 V
Absolute Load Value [Engine]	23 %
Fuel/Air Commanded Equivalence Ratio [Engine]	1.00 :1
Relative Throttle Position [Engine]	0 %
Ambient Air Temperature Degrees [Engine]	68 °F

MODE 1	Since Cleared	Current Drive Cycle
Catalyst Monitor	Not Ready	Not Supported
Heated Catalyst Monitor	Not Supported	Not Supported
2nd Air Monitor	Not Supported	Not Supported
Evaporative Emissions Monitor	Not Ready	Not Supported
Oxygen Sensor Monitor	Ready	Not Supported
Oxygen Sensor Heater Monitor	Ready	Not Supported
A/C System Refrigerant Monitor	Not Supported	Not Supported
EGR/VVT Monitor	Ready	Not Supported
Misfire Monitor	Ready	Not Supported
Comprehensive Component Monitor	Ready	Not Supported
Fuel System Monitor	Ready	Ready

FREEZE FRAME

NO FREEZE FRAMES WERE FOUND

MODE 5

OXYGEN SENSOR TESTS ARE NOT SUPPORTED ON THIS VEHICLE.

MODE 6

COMPONENT PARAMETERS MAY NOT BE VALID IF READINESS STATUS IS 'NOT READY'.

Test Name / Passed	Min	Value	Max	Units
MID1 - Oxygen Sensor Monitor Bank 1 Sensor 1, TID1 - HEGO11 Monitor HEGO11 SwitchPoint; Test Passed	0	0.449936	7.99527	Volts
MID1 - Oxygen Sensor Monitor Bank 1 Sensor 1, TID80 - HEGO11 Monitor HEGO11 Voltage Amplitude; Test Passed	0.519964	0.749324	7.99527	Volts
MID1 - Oxygen Sensor Monitor Bank 1 Sensor 1, TID81 - HEGO11 Monitor HEGO11 Heater Current; Test Passed	0.465	1.021	3	Amps
MID2 - Oxygen Sensor Monitor Bank 1 Sensor 2, TID1 - HEGO12 Monitor HEGO12 SwitchPoint; Test Passed	0	0.449936	7.99527	Volts

MID2 - Oxygen Sensor Monitor Bank 1 Sensor 2, TID81 - HEGO12 Monitor HEGO12 Heater Current; Test Passed	0.22	0.624	3	Amps
MID5 - Oxygen Sensor Monitor Bank 2 Sensor 1, TID1 - HEGO21 Monitor HEGO21 SwitchPoint; Test Passed	0	0.449936	7.99527	Volts
MID5 - Oxygen Sensor Monitor Bank 2 Sensor 1, TID80 - HEGO21 Monitor HEGO21 Voltage Amplitude; Test Passed	0.519964	0.801662	7.99527	Volts
MID5 - Oxygen Sensor Monitor Bank 2 Sensor 1, TID81 - HEGO21 Monitor HEGO21 Heater Current; Test Passed	0.465	1.085	3	Amps
MID6 - Oxygen Sensor Monitor Bank 2 Sensor 2, TID1 - HEGO22 Monitor HEGO22 SwitchPoint; Test Passed	0	0.449936	7.99527	Volts

MID6 - Oxygen Sensor Monitor Bank 2 Sensor 2, TID81 - HEGO22 Monitor HEGO22 Heater Current; Test Passed	0.22	0.577	3	Amps
MID21 - Catalyst Monitor Bank 1, TID80 - Catalyst Monitor Bank 1 Rear To Front Switch Ratio; Test Passed	0	0.0	0	Ratio
MID22 - Catalyst Monitor Bank 2, TID80 - Catalyst Monitor Bank 2 Rear To Front Switch Ratio; Test Passed	0	0.0	0	Ratio
MID31 - EGR Monitor Bank 1, TID80 - DPFE EGR Monitor Upstream Hose Disconnected Test; Test Passed	-1.743	-0.062	32.767	kPa
MID31 - EGR Monitor Bank 1, TID81 - DPFE EGR Monitor Downstream Hose Disconnected; Test Passed	-32.768	-0.062	1.743	kPa
MID31 - EGR Monitor Bank 1, TID84 - DPFE EGR Monitor Stuck Open Valve Test; Test Passed	-32.768	-0.13	4.196	kPa

MID31 - EGR Monitor Bank 1, TID85 - DPFE EGR Monitor EGR Flow Test; Test Passed	1.494	10.728	32.767	kPa
MID3A - EVAP Monitor (0.090"), TID80 - EVAP Monitor (Large Leak) Phase 0 Excessive Vacuum Limit; Test Passed	0	0.0	0	Pa
MID3A - EVAP Monitor (0.090"), TID81 - EVAP Monitor (Large Leak) Phase 4 Purge Valve Stuck Open Limit; Test Passed	0	0.0	0	Pa
MID3A - EVAP Monitor (0.090"), TID82 - EVAP Monitor (Large Leak) Phase 0 Gross Leak Limit; Test Passed	0	0.0	0	Pa
MID3B - EVAP Monitor (0.040"), TID80 - EVAP Mon Phase 2 0.04" Leak Chk Vac Bleed Up Max Leak Thresh; Test Passed	0	0.0	0	Pa
MIDA1 - Misfire Monitor General Data, TID80 - Misfire Monitor General Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent

MIDA1 - Misfire Monitor General Data, TID81 - Misfire Monitor General Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA1 - Misfire Monitor General Data, TID82 - Misfire Monitor General Data Maximum Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA1 - Misfire Monitor General Data, TID83 - Misfire Monitor General Data Maximum Type B Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA1 - Misfire Monitor General Data, TID84 - Misfire Monitor General Data Inferred Catalyst Mid-Bed Temp; Test Passed	-40	-40.0	-40	DegC
MIDA2 - Misfire Cylinder 1 Data, TIDB - Misfire Cylinder 1 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA2 - Misfire Cylinder 1 Data, TIDC - Misfire Cylinder 1 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts

MIDA2 - Misfire Cylinder 1 Data, TID80 - Misfire Cylinder 1 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA2 - Misfire Cylinder 1 Data, TID81 - Misfire Cylinder 1 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA3 - Misfire Cylinder 2 Data, TIDB - Misfire Cylinder 2 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA3 - Misfire Cylinder 2 Data, TIDC - Misfire Cylinder 2 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA3 - Misfire Cylinder 2 Data, TID80 - Misfire Cylinder 2 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA3 - Misfire Cylinder 2 Data, TID81 - Misfire Cylinder 2 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent

MIDA4 - Misfire Cylinder 3 Data, TIDB - Misfire Cylinder 3 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA4 - Misfire Cylinder 3 Data, TIDC - Misfire Cylinder 3 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA4 - Misfire Cylinder 3 Data, TID80 - Misfire Cylinder 3 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA4 - Misfire Cylinder 3 Data, TID81 - Misfire Cylinder 3 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA5 - Misfire Cylinder 4 Data, TIDB - Misfire Cylinder 4 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA5 - Misfire Cylinder 4 Data, TIDC - Misfire Cylinder 4 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts

MIDA5 - Misfire Cylinder 4 Data, TID80 - Misfire Cylinder 4 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA5 - Misfire Cylinder 4 Data, TID81 - Misfire Cylinder 4 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA6 - Misfire Cylinder 5 Data, TIDB - Misfire Cylinder 5 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA6 - Misfire Cylinder 5 Data, TIDC - Misfire Cylinder 5 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA6 - Misfire Cylinder 5 Data, TID80 - Misfire Cylinder 5 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA6 - Misfire Cylinder 5 Data, TID81 - Misfire Cylinder 5 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent

MIDA7 - Misfire Cylinder 6 Data, TIDB - Misfire Cylinder 6 Data 10 Trip Rolling Average Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA7 - Misfire Cylinder 6 Data, TIDC - Misfire Cylinder 6 Data Current OBD Trip Misfire Counts; Test Passed	0	0.0	0	Counts
MIDA7 - Misfire Cylinder 6 Data, TID80 - Misfire Cylinder 6 Data Type A Misfire Rate; Test Passed	0	0.0	0	Percent
MIDA7 - Misfire Cylinder 6 Data, TID81 - Misfire Cylinder 6 Data Type B Misfire Rate; Test Passed	0	0.0	0	Percent