Lincoln Mark VII

EEC-IV

C—Continuous code
O—key On test code
R—engine Running test code

Error Code	Description	Type
11	System Pass	**C/O/R**
12	RPM Not Within Self Test Upper Limit	**R**
13	RPM Not Within Self Test Lower Limit	**R**
	DC Motor Did Not Move	**C/O/R**
14	Profile Ignition Pickup Circuit Failure	**C**
	Engine RPM Sensor Circuit Fault (Diesel)	**C**
15	Readout Memory Test Failed	**O**
	Keep Alive Memory Test Failed	**C**
16	Ignition Diagnostic Module (2.9L, 3.0L & 4.0L)	**O**
	Idle RPM High With ISC Retracted (2.5L)	**R**
	RPM Above Self Test Limit With ISC Off (1986–90 1.9L EFI)	**R**
	RPM Too Low To Perform HO2S Test (Others)	**R**
17	Idle RPM Low With ISC Retracted (1.9L & 2.5L CFI)	**R**
	RPM Below Self Test Limit With ISC Off (1986–90 1.9L EFI)	**R**
18	Spark Out (SPOUT) Circuit Open	**R**
	Loss Of Ignition Diagnostic Module Input To PCM/SPOUT Circuit Grounded	**C**
	Spark Angle Word (SAW) Circuit Failure (1.9L SFI)	**C/R**
19	Failure In PCM Internal Voltage	**R**
	Erratic RPM During Hard Idle Self Test	**R**
	RPM Drop Too Low During ISC Off Test (1.9L EFI)	**R**
	Power Processor Check (2.3L HSC EFI)	**O**
	Cylinder Identification Sensor Input Failure (3.0L SHO)	**C**
21	Engine Coolant Temperature (ECT) Sensor Out Of	**O/R**

	Self Test Range	
22	Manifold Absolute Pressure/Barometric Pressure Sensor Out Of Self Test Range	**C/O/R**
23	Throttle Position Sensor Out Of Self Test Range	**C/O/R**
	Fuel Injector Pump Lever Sensor Input Is Out Of Self Test Range (Diesel)	**O/R**
24	Intake Air Temperature/Air Charge Temperature Sensor Out Of Self Test Range	**O/R**
25	Knock Not Sensed During Dynamic Response Test	**R**
26	Mass Air Flow/Vane Air Flow Sensor Out Of Self Test Range	**O/R**
	transmission Fluid Temperature Sensor Input Out Of Self Test Range (5.0L, 5.8L, 7.3L & 7.5L truck)	**O/R**
27	Vehicle Speed Sensor (2.3L Turbo)	**C**
28	Loss Of Ignition Diagnostic Module RH Side	**C**
	Vane Air Temperature Sensor Input Out Of Self Test Range (1.9L EFI)	**O/R**
29	Insufficient Input From Programmable Speedometer/Odometer Module (From 1993)	**C**
	Insufficient Input From Vehicle Speed Sensor (To 1992)	**C**
31	EGR Valve Position/Pressure Feedback EGR Circuit Below Minimum Voltage	**C/O/R**
32	EGR Not Controlling (2.3L OHC & 3.8L CFI)	**R**
	EGR Valve Not Seated (1.9L CFI, 2.9L & 3.0L SHO)	**C/R**
	EGR Valve Position/Pressure Feedback EGR Voltage Below Closed Voltage (Others)	**C/O/R**
33	EGR Not Closing Properly (2.3L OHC & 3.8L CFI)	**C/R**
	Throttle Position Sensor Noisy/Harsh On Line (Diesel)	**C**
	EGR Valve Opening Not Detected (Others)	**C/R**
34	EGR Valve Opening Not Detected (2.3L OHC & 3.8L CFI)	**R**
	Defective EGR Pressure transducer Sensor (1.9L CFI, 2.3L HSC EFI & 3.0L)	**C/O/R**
	EGR On/Off Control (2.3L Turbo)	**R**
	EGR Valve Position/Pressure Feedback EGR Voltage Above Closed Limit (Others)	**C/O/R**

35	RPM Too Low To Perform EGR Test (2.3L OHC & 3.8L CFI)	**R**
	EGR Valve Position/EGR Pressure Feedback EGR Circuit Above Maximum Voltage (Others)	**C/O/R**
36	System Indicates Lean At Idle	**R**
37	System Indicates Rich At Idle	**R**
38	DC Motor Idle Speed Control/Idle tracking Throttle Position Sensor Open Circuit (2.3L CFI & 2.5L HSC)	**C**
39	AXOD Converter Bypass Clutch Not Applying Properly	**C**
41	System Indicates Lean	**R**
	No HO2S Switching Detected	**C**
42	System Indicates Rich	**R**
	No O2S Switching Detected	**C**
43	HO2S Lean At Wide Open Throttle (1986–90 1.9L MFI)	**C**
	Throttle Position Sensor Below Idle Sped (Diesel)	**C**
44	Secondary Air System Inoperative	**R**
45	Secondary Air Upstream During Self Test	**R**
	Coil 1 Primary Circuit Failure (1990–91 1.9L EFI/SFI,)	**C**
	Distributorless Ignition System Coil Pack 3 Circuit Failure (3.0L SHO 3.8L SC)	**C**
46	Secondary Air Not Bypassed During Self Test	**R**
	Coil 2 Primary Circuit Failure (1990–91 1.9L MFI/SFI)	**C**
	Distributorless Ignition System Coil Pack 1 Circuit Failure (3.0L SHO 3.8L SC)	**C**
47	4 X 4 Switch Is Closed	**O**
	Measured Air Flow Low At Base Idle	**R**
48	Loss Of Ignition Diagnostic Monitor LH Side (2.3L)	**C**
	Measured Air Flow High At Base Idle (1986–90 1.9L EFI)	**R**
	Distributorless Ignition System Coil Pack 2 Circuit Failure (3.0L SHO 3.8L SC)	**C**
49	Spark Output (SPOUT) Signal Default To 10°. BDTC (3.0L SHO & 3.8L SC)	**C**
	1–2 Shift Error (Others)	**C**
51	Engine Coolant Temperature Circuit Open	**O/C**
52	Power Steering Pressure Switch Circuit Open	**O**

	Power Steering Pressure Switch Circuit Did Not Change States	**R**
53	Throttle Position Sensor Circuit Above Maximum Voltage	**C/O**
	Fuel Injector Pump Lever Sensor Input Is Greater Than Self Test (Diesel)	**C/O**
54	Intake Air Temperature/Air Charge Temperature Circuit Open	**C/O/R**
55	Key Power Check	**R**
56	transmission Fluid Temperature Circuit Open	**C/O**
	Mass Air Flow/Vane Air Flow Sensor Circuit Above Maximum Voltage	**C/O/R**
57	transaxle Neutral Position Switch Circuit Failed Open	**C**
58	Idle tracking Switch Circuit Open Or Grounded (CFI)	**O/R**
	Vane Air Temperature Sensor Input Greater Than Self Test Maximum (EFI)	**C/O**
59	AXOD Neutral Position Switch Circuit Failed Open (3.0L & 3.8L)	**C**
	2–3 Shift Error (Others)	**C**
	Low Speed Fuel Pump Circuit Failure, Battery To PCM (3.0L SHO)	**C/O**
	AXOD 4/3 Pressure Switch Circuit Failed Closed	**O**
	AXOD 4/3 Pressure Switch Circuit Failed Open	**C**
61	ECT Sensor Circuit Grounded	**C/O/R**
62	Torque Converter Clutch Error	**C**
	AXOD 4/3 Or 3/2 Pressure Switch Circuit Grounded	**O**
63	Throttle Position Sensor Circuit Below Minimum Voltage	**C/O/R**
	Fuel Injection Pump Lever Sensor Input Is Less Than Self Test Min. (Diesel)	**C/O**
64	Intake Air Temperature/Air Charge Temperature Circuit Grounded	**C/O/R**
65	transmission Control Switch/Overdrive Cancel Switch Circuit Did Not Change States	**R**
	Fuel Control (2.3L Turbo)	**C**
66	Mass Air Flow Sensor Circuit Below Minimum Voltage (Except 1.9L MFI & 2.3L Turbo)	**C**
	Vane Air Flow Sensor Input Less Than Self Test Minimum (1.9L MFI & 2.3L Turbo)	**O/C**

	transmission Fluid Temperature Circuit Grounded (Others)	**O/C**
67	Park Neutral Position Switch Circuit Open; A/C On (Manual)	**O**
	Manual Lever Position Sensor Out Of Range/A/C On	**O/C**
	Clutch Switch Circuit Failure	**C**
	A/C Input High (2.5L TBI)	**O/C**
68	Idle tracking Switch Closed (1.9L, 2.3L, 2.5L & 3.8L CFI)	**O/R**
	Vane Air Temperature Sensor Input Less Than Self Test Minimum (1.9L MFI & 2.3L Turbo)	**O/C**
	transmission Fluid Temperature transmission Over Temp (Overheated) (Diesel)	**C**
69	3–4 Shift Error	**C**
	AXOD Neutral Position Switch Failed Open (3.0L)	**C**
	AXOD 3/2 Pressure Switch Failed Closed (3.8L SFI)	**C/O**
70	EEC IV Data transaxle Circuit Failed (3.8L SFI)	**C**
71	Idle tracking Switch Closed On Pre-Position (1.9L, 2.3L & 2.5L CFI)	**C**
	Software Re-Initialization Detected (1.9L EFI)	**C**
	Cluster center Control Circuit Failed (3.8L SFI)	**C**
72	Insufficient Manifold Absolute Pressure/Mass Air Flow Change During Dynamic Response Test	**R**
	Power Interrupt Software Re-Initialization Detected (1.9L & 2.3L Turbo)	**C**
	Message center Control Assembly Circuit Failed (3.8L SFI)	**C**
73	Insufficient Throttle Position Change During Dynamic Response Test	**O/R**
74	Brake On/Off Circuit Open–Not During Self Test	**R/C**
75	rake On/Off Circuit Closed/ECA Input Open	**R**
76	Insufficient Vane Air Flow Sensor Output Change During Dynamic Response Test	**R**
77	Operator Error Dynamic Response Test	**R**
78	Re-Initialization Check	**R**
79	A/C On/Defrost On During Self Test	**O**
81	Secondary Air Diverter Circuit Failure	**O**
	Turbo Boost (2.3L Turbo)	**O**
	Insufficient IAS Output Voltage Change When	**O**

	Solenoid Is Activated (3.0L SHO)	
82	Secondary Air Bypass Circuit Failure	**O**
	Integrated Relay Control Module (2.3L Turbo)	**O**
	Supercharger Bypass Circuit Failure (3.8L SC)	**O**
83	Integrated Relay Control Module (2.3L Turbo & 2.5L)	**O**
	High Electric Drive Fan Circuit Failure (1.9L & 2.5L SFI)	**O**
	EVP/EGRC/EGRV (2.3L OHC & 3.8L CFI)	**O**
	Low Speed Fuel Pump Relay Circuit Open (3.0L SHO)	**C/O**
	Integrated Relay Control Module (3.8L Turbo)	**O**
	High Electric Drive Fan Circuit Failure (3.8L SFI & 3.8L SC)	**O**
84	EGR Valve Position/Pressure Feedback EGR/EGR Control Circuit Failure	**O**
85	Adaptive Fuel Lean Limit Reached (1.9L EFI)	**C**
	Shift Solenoid 3/4–4/3 (2.3L Turbo)	**O**
	CANP Circuit Failure (Others)	**O**
86	Shift Solenoid Circuit Failure (2.9L 3.0L & 4.0L)	**O**
	Adaptive Fuel Rich Limit Reached (1.9L EFI)	**C**
87	Primary Fuel Pump Circuit Failure	**O/C**
	Integrated Relay Control Module (2.3L Turbo & 2.5L & 3.8L MFI)	**O**
88	Loss Of Dual Plug Input Control	**C**
	Shift Solenoid 3/4–4/3 (2.3 Turbo)	**O**
	Integrated Relay Control Module (2.5 L HSC & 3.8L EFI)	**O**
	Electric Drive Fan Circuit Failure (2.5L, 3.0L SHO & 3.8L SFI)	**O**
	Throttle Kicker Fault (5.0L)	**—**
89	Converter Clutch Override Circuit Failure (2.9L, 3.0L & 4.0L)	**O**
	Exhaust Heat Control (3.8L CFI)	**O**
91	Shift Solenoid 1 Circuit Failure	**O**
	HO2S Circuit Indicates Lean	**R**
	No HO2S Switching Detected	**C**
92	Shift Solenoid 2 Circuit Failure	**O**
	HO2S Circuit Indicates Rich	**R**
93	Throttle Position Sensor Input Low At Maximum D.C. Motor Extension (1.9L, 2.3L & 2.5L TBI)	**O**

	Converter Clutch Solenoid Circuit Failure (Others)	**O**
94	Torque Converter Clutch Solenoid Circuit Failure	**O**
	Secondary Air Injection Inoperative	**R**
95	Integrated Relay Control Module (2.5L HSC & 3.8L EFI)	**C/O**
	Fuel Pump Circuit Open-PCM To Motor Ground (Others)	**C/O**
96	Integrated Relay Control Module (2.5L HSC & 3.8L EFI)	**C/O**
	High Speed Fuel Pump Relay Circuit Open (3.0L SHO)	**C/O**
	Fuel Pump Circuit Open-Battery To PCM (Others)	**C/O**
97	transmission Control Indicator Lamp Circuit Failure	**O**
98	Hard Fault Present	**R**
	Electronic Pressure Control Driver Open In PCM (Diesel)	**O**
99	Electronic Pressure Control Circuit Failure	**O/C**
	Electronic Engine System Has Not Learned To Control Idle	**R**