

SERVICE CODE	SERVICE CODE DEFINITION
11 orc	System PASS
12 r	Unable to control rpm to Self-Test upper limit band
13 r	Unable to control rpm to Self-Test lower limit band
14 c	PIP circuit failure
15 o	ROM test failure
15 c	Power interruption to Keep Alive Memory (KAM)
16 r	RPM too low to perform fuel test
18 r	SPOUT circuit open
18 c	Loss of tach input to Processor/SPOUT circuit grounded
19 o	Failure of EEC power supply
21 or	ECT sensor input is out of Self-Test range
22 orc	MAP sensor input is out of Self-Test range
23 or	TP sensor input is out of Self-Test range
24 or	ACT sensor input is out of Self-Test range
29 c	Insufficient input from the Vehicle Speed Sensor (VSS)
31 orc	EVP circuit is below minimum voltage
32 orc	EVP voltage is below closed limit (SONIC)
33 rc	EGR valve is not opening (SONIC)
34 orc	EVP voltage is above closed limit (SONIC)
35 orc	EVP circuit is above maximum voltage
41 r	HEGO sensor circuit indicates system lean (right HEGO)
41 c	No HEGO switching detected (right HEGO)
42 r	HEGO sensor circuit indicates system rich (right HEGO)
44 r	Thermactor air system inoperative (cyl. 1-4)
45 r	Thermactor air upstream during Self-Test
46 r	Thermactor air not bypassed during Self-Test
51 oc	ECT sensor input is greater than Self-Test maximum
53 oc	TP sensor input is greater than Self-Test maximum
54 oc	ACT sensor input is greater than Self-Test maximum
61 oc	ECT sensor input is less than Self-Test minimum
63 oc	TP sensor input is less than Self-Test minimum
64 oc	ACT sensor input is less than Self-Test minimum
67 o	Neutral Drive Switch (NDS) circuit open
74 r	Brake On/Off (BOO) circuit open — not actuated during test
75 r	Brake On/Off (BOO) circuit closed - always high
79 o	A/C on during Self-Test
81 o	Air Management 2 (AM2) circuit failure
82 o	Air Management 1 (AM1) circuit failure
84 o	EGR Vacuum Regulator (EVR) circuit failure
85 o	Canister Purge (CANP) circuit failure
87 oc	Fuel pump primary circuit failure
91 r	HEGO sensor circuit indicates system lean (left HEGO)
91 c	No HEGO switching detected (left HEGO)
92 r	HEGO sensor circuit indicates system rich (left HEGO)
94 r	Thermactor air system inoperative (cyl. 5-8)
98 r	Hard fault is present
NO CODES	Unable to initiate Self-Test or unable to output Self-Test codes
CODES NOT LISTED	Service codes displayed are not applicable to the vehicle being tested

KEY: o = Key On Engine Off (KOEO) r = Engine Running (ER) c = Continuous Memory