

SERVICE CODE	SERVICE CODE DEFINITION
11 orc	System PASS
12 r	Cannot control rpm during Self-Test high rpm check
13 r	Cannot control rpm during Self-Test low rpm check
14 c	PIP circuit failure
15 o	ECA Read Only Memory (ROM) test failed
15 c	ECA Keep Alive Memory (KAM) test failed
16 r	Rpm too low to perform EGO test
18 r	SPOUT circuit open
18 c	IDM circuit failure/SPOUT circuit grounded
19 o	Failure in ECA internal voltage
21 or	ECT out of Self-Test range
22 oc	MAP/BP out of Self-Test range
23 or	TP out of Self-Test range
24 or	ACT out of Self-Test range
26 or	MAF out of Self-Test range (MA only)
29 c	Insufficient input from the Vehicle Speed Sensor (VSS)
31 orc	EVP circuit below minimum voltage
32 orc	EVP voltage below closed limit (SONIC)
33 rc	EGR valve opening not detected (SONIC)
34 orc	EVP voltage above closed limit (SONIC)
35 orc	EVP circuit above maximum voltage
41 r	HEGO sensor circuit indicates system lean (right HEGO)
41 c	No HEGO switch detected (right HEGO)
42 r	HEGO sensor circuit indicates system rich (right HEGO)
44 r	Thermactor air system inoperative (right side)
45 r	Thermactor air upstream during Self-Test
46 r	Thermactor air not bypassed during Self-Test
51 oc	ECT indicated - 40°F/circuit open
53 oc	TP circuit above maximum voltage
54 oc	ACT indicated - 40°F/circuit open
56 oc	MAF circuit above maximum voltage (MA only)
61 oc	ECT indicated 254°F/circuit grounded
63 oc	TP circuit below minimum voltage
64 oc	ACT indicated 254°F/circuit grounded
66 c	MAF circuit below minimum voltage (MA only)
67 o	Neutral Drive Switch (NDS) circuit open
74 r	Brake ON/OFF (BOO) circuit open/not actuated during Self-Test
75 r	Brake ON/OFF (BOO) circuit closed/ECA input open
77 r	Brief WOT not sensed during Self-Test/Operator error
79 o	A/C on/Defrost 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 (left side)
95 oc	Fuel pump secondary circuit failure
96 oc	Fuel pump secondary circuit failure
98 r	Hard fault is present - FMEM mode
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