

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	▶	EEC processor Read Only Memory (ROM) test failed
15	c	▶	EEC processor 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 EEC processor internal voltage
21	or	▶	ECT out of Self-Test range
22	orc	▶	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
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