

Make/Model: FORD SCOPRIO/GRANADA ('85) [2,9 1986-94]; 2,4 1986-94

Engine code: [BRD/E/F; BRV]; ARD

Output : [107 (145) 5500; 104 (141) 5500]; 92 (125) 5800

Tuned for: [R-Cat; R-Cat (CH/S)]; R-Cat

Flash type	Fault location	Probable cause
10	Command code	-
11	System pass	-
12	Idle air control (IAC) valve	Wiring, IAC valve, ECM
12	Idle speed control (ISC) actuator - CFi	Wiring, ISC actuator, ECM
13	Idle air control (IAC) valve	Wiring, IAC valve, ECM
13	Idle speed control (ISC) actuator - CFi	Wiring, ISC actuator, ECM
14	Ignition signal	Wiring, CKP sensor, alternator
15	Engine control module (ECM) - KAM/ROM error	ECM
16	Low idle speed during test	-
17	Idle speed control (ISC) actuator - CFi	Wiring, ISC actuator, ECM
18	Ignition amplifier	Wiring, ignition amplifier, CKP/RPM sensor, ECM
19	Ignition amplifier - supply	Wiring
20	4 cylinder identification code	-
21	Engine coolant temperature (ECT) sensor	Wiring, ECT sensor, ECM
22	Manifold absolute pressure (MAP) sensor	Wiring, MAP sensor, ECM
23	Throttle position (TP) sensor	Wiring, TP sensor, ECM
24	Intake air temperature (IAT) sensor	Wiring, IAT sensor, ECM
25	Knock sensor (KS)	Wiring, fuel quality, ignition timing, KS, ECM
26	Idle speed control (ISC) actuator - CFi	Wiring, ISC actuator, ECM
27	Cruise control - too slow	Vacuum pipes blocked/leaking, throttle valve sticking
28	Cruise control - too fast	Vacuum pipes blocked/leaking, throttle valve sticking
29	Vehicle speed sensor (VSS)	Wiring, VSS, ECM
30	6 cylinder identification code	-
31	Exhaust gas recirculation (EGR) backpressure transducer - voltage low	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
32	Exhaust gas recirculation (EGR) backpressure transducer - outside specification	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
33	Exhaust gas recirculation (EGR) solenoid - no gas recirculation	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
34	Exhaust gas recirculation (EGR) backpressure transducer - outside specification	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
35	Exhaust gas recirculation (EGR) backpressure transducer - voltage high	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
36	No RPM increase during test	-
37	No RPM decrease during test	-
37	Closed throttle position (CTP) switch - CFi	Wiring, CTP switch, ECM
38	Closed throttle position (CTP) switch - CFi	Wiring, CTP switch, ECM
39	AT lock-up solenoid fault	Wiring, AT lock-up solenoid
41	Heated oxygen sensor (HO2S) 1, cylinders 1-3 - mixture weak	Wiring, air leak, exhaust leak, HO2S, ECM
42	Heated oxygen sensor (HO2S) 1, cylinders 1-3 - mixture rich	Wiring, air leak, exhaust leak, HO2S, ECM
43	Idle speed control (ISC) actuator - CFi	Wiring, ISC actuator, ECM
44	Throttle position (TP) sensor	Wiring, TP sensor, ECM
45	Closed throttle position (CTP) switch - CFi	Wiring, CTP switch, ECM
47	Cruise control switch	Wiring, cruise control switch

48	Cruise control switch	Wiring, cruise control switch
49	Cruise control signal	Wiring, cruise control switch, cruise control actuator, ECM
51	Engine coolant temperature (ECT) sensor - voltage high	Wiring, ECT sensor, ECM
52	Power steering pressure (PSP) switch - not activated during test	Wiring, PSP switch, ECM
53	Throttle position (TP) sensor - voltage high	Wiring, TP sensor, ECM
54	Intake air temperature (IAT) sensor - voltage high	Wiring, IAT sensor, ECM
57	Octane adjuster - short circuit	Octane adjuster wiring
58	Ignition timing delayed	Octane adjuster wiring
59	Idle adjuster - short circuit	Octane adjuster wiring
61	Engine coolant temperature (ECT) sensor - voltage low	Wiring, ECT sensor, ECM
62	AT shift valve closed	Transmission mechanical fault
63	Throttle position (TP) sensor - voltage low	Wiring, TP sensor, ECM
64	Intake air temperature (IAT) sensor - voltage low	Wiring, IAT sensor, ECM
67	AC ON or AT in D	Wiring, AC switch, transmission range (TR) switch
68	Closed throttle position (CTP) switch - CFI	Wiring, CTP switch, ECM
71	Closed throttle position (CTP) switch - CFI	Wiring, CTP switch, ECM
72	Manifold absolute pressure (MAP) sensor	Wiring, MAP sensor, ECM
73	Throttle position (TP) sensor - no change during test	Wiring, TP sensor
74	Brake pedal position (BPP) switch - circuit malfunction	Wiring, BPP switch
75	Brake pedal position (BPP) switch - short circuit	Wiring, BPP switch
77	Throttle not operated or operated too late	Wiring, TP switch/sensor
81	Manifold absolute pressure (MAP) sensor - Transit	Wiring, vacuum pipe, manifold vacuum, MAP sensor
82	Secondary air injection (AIR) solenoid	Wiring, AIR solenoid
83	Heavy duty fan switch	Wiring, heavy duty fan switch
84	Exhaust gas recirculation (EGR) solenoid	Wiring, EGR solenoid
85	Evaporative emission (EVAP) canister purge valve	Wiring, EVAP solenoid
87	Fuel pump	Wiring, fuel pump relay, fuel pump, ECM
88	Electric cooling fan	Wiring, cooling fan motor
89	AT lock-up solenoid	Wiring, lock-up solenoid
91	Heated oxygen sensor (HO2S) 2, cylinders 4-6 - mixture weak	Wiring, air leak, exhaust leak, HO2S, ECM
92	Heated oxygen sensor (HO2S) 2, cylinders 4-6 - mixture rich	Wiring, air leak, exhaust leak, HO2S, ECM
93	Idle speed control (ISC) actuator - CFI	Wiring, ISC actuator, ECM
95	MAP sensor/ECT sensor/IAT sensor/TP sensor	Wiring, MAP sensor/ECT sensor/IAT sensor/TP sensor, ECM
96	MAP sensor/ECT sensor/IAT sensor/TP sensor	Wiring, MAP sensor/ECT sensor/IAT sensor/TP sensor, ECM
98	MAP sensor/ECT sensor/IAT sensor/TP sensor	Wiring, MAP sensor/ECT sensor/IAT sensor/TP sensor, ECM
99	Throttle position (TP) sensor	Wiring, TP sensor