

Make/Model: FORD SCOPRIO/GRANADA ('85) 2,0 1992-94; 2,0 1989-94;
2,0 1989-93; 2,9 1986-93

Engine code: N9F; N9D; N9B; BRC

Output: 85 (115) 5500; 88(120) 5500; 90 (122)5500; 110 (150) 5700

Tuned for: R-Cat; R-Cat; -; -

Flash type	Fault location	Probable cause
10	Command code	-
11	System pass	-
12	Volume air flow (VAF) sensor 1	Wiring, VAF sensor, air leak, air restriction, ECM
13	Engine coolant temperature (ECT) sensor	Wiring, ECT sensor, ECM
14	Intake air temperature (IAT) sensor	Wiring, IAT sensor, ECM
15	Throttle position (TP) sensor	Wiring, TP sensor, ECM
16	Volume air flow (VAF) sensor 2	Wiring, VAF sensor, ECM
17	Manifold absolute pressure (MAP) sensor	Wiring, MAP sensor, ECM
18	Battery voltage - low	Wiring, battery
19	Keep Alive Memory (KAM) failure	ECM
20	Separation code	-
21	Ignition signal - erratic	Wiring, CKP sensor, alternator
22	Volume air flow (VAF) sensor 1 - voltage high	Wiring, VAF sensor, ECM
23	Engine coolant temperature (ECT) sensor - voltage high	Wiring, ECT sensor, ECM
24	Intake air temperature (IAT) sensor	Wiring, IAT sensor, ECM
25	Throttle position (TP) sensor - voltage high	Wiring, TP sensor, ECM
26	Volume air flow (VAF) sensor 2 - voltage high	Wiring, VAF sensor, ECM
27	Manifold absolute pressure (MAP) sensor - voltage high	Wiring, MAP sensor, ECM
28	Heated oxygen sensor (HO2S) - mixture rich	Wiring, fuel supply, injector control, HO2S, ECM
28	Heated oxygen sensor (HO2S) 1(2,0 DOHC 16V) - mixture rich	Wiring, fuel supply, injector control, HO2S, ECM
29	Heated oxygen sensor (HO2S) 2(2,0 DOHC 16V) - mixture rich	Fuel supply, injector control, wiring, HO2S, ECM
30	Identification code for 6 cylinder engines	-
31	Memory failure	ECM
32	Volume air flow (VAF) sensor 2 - voltage low	Wiring, VAF sensor, ECM
33	Engine coolant temperature (ECT) sensor - voltage low	Wiring, ECT sensor, ECM
34	Intake air temperature (IAT) sensor	Wiring, IAT sensor, ECM
35	Throttle position (TP) sensor - voltage low	Wiring, TP sensor, ECM
36	Volume air flow (VAF) sensor 2 - voltage low	Wiring, VAF sensor, ECM
37	Manifold absolute pressure (MAP) sensor - voltage low	Wiring, MAP sensor, ECM
38	Heated oxygen sensor (HO2S) - mixture weak	Wiring, fuel supply, injector control, HO2S, ECM
38	Heated oxygen sensor (HO2S) 1(2,0 DOHC 16V) - mixture weak	Wiring, fuel supply, injector control, HO2S, ECM
39	Heated oxygen sensor (HO2S) 2(2,0 DOHC 16V) - mixture weak	Wiring, fuel supply, injector control, HO2S, ECM
41	Volume air flow (VAF) sensor 1 - signal	Wiring, VAF sensor, ECM
42	Volume air flow (VAF) sensor 2 - signal	Wiring, VAF sensor, ECM
42	Manifold absolute pressure (MAP) sensor - signal	Wiring, MAP sensor, ECM
43	Throttle position (TP) sensor - signal	Wiring, TP sensor, ECM

44	Blip test (throttle open) not performed	-
45	Vehicle speed sensor (VSS)	Wiring, VSS, ECM
46	Idle air control (IAC) valve - maximum engine speed	Wiring, IAC valve, ECM
47	Idle air control (IAC) valve - minimum engine speed	Wiring, IAC valve, ECM
48	Closed throttle position (CTP) switch (CFi)	Wiring, CTP switch, ECM
48	Idle air control (IAC) valve (except CFI)	Wiring, IAC valve, ECM
49	Exhaust gas recirculation (EGR) valve	Wiring, restricted/leaking EGR pipes, EGR valve, ECM
50	Identification code for engine control module (ECM)	-
51	AC 'ON' during test	-
52	AT in 'D' during test	-
53	Octane plug 1 - short circuit	-
54	Octane plug 2 - short circuit	-
55	Idle speed adjust - short circuit	-
56	Knock sensor (KS)	Wiring, fuel quality, ignition timing, KS, ECM
57	Throttle opened too early during test	-
58	Phasing of ignition pick-up/spark output signals	Wiring, fuel, quality, ignition timing, KS, ECM
59	Mixture adjustment resistor	Wiring, air leaks, vacuum leaks, MAP sensor, mixture adjustment resistor, injectors, spark plugs
60	Start of service set mode	-
61	Power loss - cylinder 1	Compression, spark plugs
62	Power loss - cylinder 2	Compression, spark plugs
63	Power loss - cylinder 3	Compression, spark plugs
64	Power loss - cylinder 4	Compression, spark plugs
65	Power loss - cylinder 5	Compression, spark plugs
65	Brake pedal position (BPP) switch - ON/OFF (DOHC)	Wiring, BPP switch, ECM
66	Power Loss - cylinder 6	Compression, spark plugs
66	Kick-down switch (DOHC)	Wiring, kick-down switch, ECM
67	Fuel temperature switch	Wiring, Fuel temperature switch
68	Turbocharger (TC) wastegate regulating valve	Wiring, valve, turbocharger, ECM
69	Turbocharger (TC) wastegate regulating valve	Wiring, valve, turbocharger, ECM
70	End of service set mode	-
71	Secondary air injection (AIR) solenoid	Wiring, AIR solenoid, blocked/leaking pipes, ECM
72	Exhaust gas recirculation (EGR) solenoid	Wiring, blocked/leaking pipes, EGR solenoid, ECM
73	Evaporative emission (EVAP) canister purge valve	Wiring, EVAP canister purge valve, ECM
74	Fuel pump	Wiring, fuel pump relay, fuel pump, ECM
74	3rd/4th gear shift solenoid (DOHC)	Wiring, shift solenoid, transmission fault, ECM
75	Torque converter clutch (TCC) lock-up solenoid	Wiring, lock-up solenoid, transmission fault, ECM
76	Brake pedal position (BPP) switch - AT	Wiring, BPP switch, brake pedal, ECM
77	Kickdown actuated	-
78	Power steering pressure (PSP) switch - not activated	Wiring, PSP switch, power steering pump, power steering system pressure, ECM
81	Exhaust gas recirculation (EGR) solenoid	Wiring, blocked/leaking pipes, EGR solenoid, ECM
82	Exhaust gas recirculation (EGR) backpressure transducer - voltage below minimum	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
83	Exhaust gas recirculation (EGR) backpressure transducer - voltage high	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
84	Exhaust gas recirculation (EGR) backpressure transducer - voltage low	Wiring, blocked/leaking pipes, EGR backpressure transducer, ECM
91	Heated oxygen sensors (HO2S) - multi-plugs interchanged	Wiring, multi-plugs