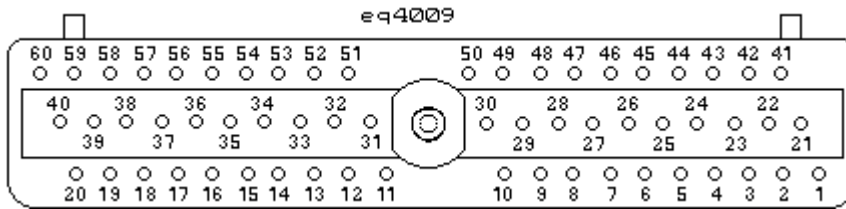


Pin Tables Copyright Equiptech

Number of ECM pins: 60



Pin	Connection	Test condition	Volts/Duty Cycle etc
5	idle speed adjustment : t5	ignition on/running open circuit closed circuit	5.0 ± 0.1 0.25 max
7	CTS signal: t1	ignition on/running	20°C 3.00 to 3.20 80°C 0.60 to 0.90
10	air conditioning LP switch		
16	earth	ignition on/running	0.25 max
17	diagnostic socket : t3	ignition on/running	12 volts
20	earth	ignition on/running	0.25 max
21	ISCV signal: t1	ignition on engine running cold: hot (no load) hot (load)	nbv 5.0 to 11.0 8.0 to 14.0 5.0 to 11.0
		ISCV almost closed ISCV almost fully open	9.0 to 12.0 1.0 to 4.0
22	pump relay driver: t85	ignition on cranking/running	nbv 1.25 max
23	octane adjustment : t23	open circuit closed circuit	5.0 ± 0.1 0.25 max
24	octane adjustment : t24	open circuit closed circuit	5.0 ± 0.1 0.25 max
25	ATS (AFS: t22)	ignition on/running	20°C 2.75 to 3.25 40°C 2.00 to 2.25
26	AFS supply: t26	ignition on/running	5.0 ± 0.1
26	TPS supply: t9	ignition on/running	5.0 ± 0.1
27	AFS signal: t27	ignition on idle 2000 rpm 3000 rpm snap accelerate fully open	0.20 to 0.30 0.50 to 0.60 1.00 to 1.50 1.20 to 2.50 3.00 to 4.50 4.50+
30	neutral switch		
36	SPOUT signal: TFI	ignition on/running	switching 4.0 to 7.0
37	main relay: t30	ignition on/running	nbv
40	earth: t1	ignition on/running	0.25 max
43	AFS signal: t7	ignition on idle 2000 rpm 3000 rpm snap accelerate fully open	0.20 to 0.30 0.50 to 0.60 1.00 to 1.50 1.20 to 2.50 3.00 to 4.50 4.50+
46	sensor return AFS: t6, CTS: t1 TPS: t1	ignition on/running	0.25 max
47	TPS signal: t3	ignition on throttle closed throttle fully open	0.50 4.50+
48	diagnostic socket :t2	ignition on/running	5.0 ± 0.1
56	PIP signal: TFI	engine cranking/running	11.0 to 13.0
57	main relay: t30	ignition on/running	nbv

Pin Tables Copyright Equiptech

58 injectors cyls 1, 2: t1

ignition on	nbv
cranking cold	11.0 to 12.0 ms
running cold	3.0 to 4.0 ms
cranking warm	4.0 to 4.5+ ms
running warm	2.0 to 2.5 ms
2000 rpm	2.0 to 2.5 ms
3000 rpm	2.0 to 2.5 ms
snap acceleration	6.0 ms
deceleration	zero

59 injectors cyls 3, 4: t1

cranking cold	11.0 to 12.0 ms
running cold	3.0 to 4.0 ms
cranking warm	4.0 to 4.5+ ms
idle	2.0 to 2.5 ms
2000 rpm	2.0 to 2.5 ms
3000 rpm	2.0 to 2.5 ms
snap acceleration	6.0 ms
deceleration	zero

60 earth

ignition on/running	0.25 max
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