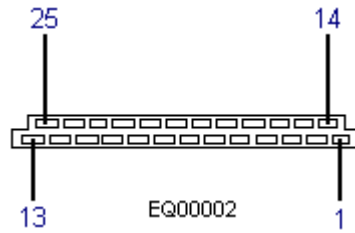


Pin Tables Copyright Equiptech

Number of ECM pins: 25



Pin	Connection	Test condition	Volts/Duty Cycle etc.
1	ignition system control unit	cranking/running	switching 0 to nbv
2	CTS signal	ignition on/running	20°C 2.70 80°C 0.75
3	TPS idle contact : t1	Ignition on throttle closed throttle part/fully open	zero 5.0 ± 0.1
4	unused		
5	earth	ignition on/running	0.25 max
6	AFS return: t2	ignition on/running	0.25 max
7	AFS signal: t3	ignition on idle 3000 rpm snap open throttle	0.20 to 0.70 1.5 2.4 4.0+
8	AFS hot wire burn-off: t4	coolant above 65° C, rpm above 2500, switch off engine	hot wire glows for 1.0 second
9	supply from main relay : t87	ignition on/running	nbv
10	ISCV signal: t3	ignition on idle speed	nbv duty cycle 30 to 40%
11	earth	ignition on/running	
12	TPS full-load contact: t3	Ignition on throttle closed/part open throttle fully open	5.0 ± 0.1 zero
13	injectors	ignition on/running cranking cold running cold cranking warm running warm 2000 rpm 3000 rpm snap acceleration deceleration	nbv 3.8 ms 3.8 ms 2.4 ms 2.4 ms 2.2 ms 2.1 ms 6.0+ ms zero
14	CO pot (AFS: t6)	ignition on/running	0 to 4.0v
15	unused		
16	A/C		
17	pump relay driver: t85	ignition on cranking/running	nbv 1.25 max
18	ignition switch: t15	ignition on/running	nbv
19	earth	ignition on/running	0.25 max
20	OS signal (some models)	engine running throttle fully open fuel cut off switching frequency	200 to 1000 mv 1.0v constant 0 volts constant 1 sec intervals (approx)
21	main relay driver: t85	ignition off ignition on/running	nbv 1.25 max
22	SD connector (some models)		
23	ISCV signal: t6	ignition on idle speed	nbv duty cycle 30 to 40%
24	unused		
25	earth	ignition on/running	0.25 max

