

Pin Tables Copyright Equiptech

+B1	BATT	THA	VS	VC			
+B		SPD	STP	E21			

EQ60091

Number of ECM pins: 42

NE		G	G⊖	IGF	IDL	T	W	FPU
THW	VTA	VCC		E2	A/C	R/P	HT	V-18C

	VF	STA	No. 10	E01
STH	E1	IGT	No. 20	E02

Pin	Connection	Test condition	Volts/Duty Cycle etc
14 pin plug			
+B1	main relay supply : t4	ignition on/running	nbv
BATT	Battery supply : t30	ignition off/on	nbv
THA	ATS sensor ,AFS : tTHA	ignition on/running	20°C 2.0 to 2.8
VS	AFS signal : tVS	ignition on throttle closed throttle fully open engine idling	2.5 to 5.4 v 6.2 to 8.8 v 3.9 to 5.8 v
VC	AFS reference voltage	ignition on/running	5.1 to 10.8 v
+B	main relay supply : t4	ignition on/running	nbv
SPD	VSS		
STP	Stop light switch		
E21	sensor return	ignition on/running	0.25 max
18 pin plug			
NE	RPM sensor : t2	cranking: idle: cruise:	AC 2.0v+ (peak to peak) AC 11.0v+ (peak to peak) AC 14.0v+ (peak to peak)
G	TDC sensor : t2	cranking: idle: cruise:	AC 2.0v+ (peak to peak) AC 11.0v+ (peak to peak) AC 14.0v+ (peak to peak)
G -	TDC, RPM sensor return : t1	ignition on/running	0.25 max
IGF	amplifier	ignition on/running	0.7 to 1.0
IDL	TPS idle contact : t2	ignition on/running throttle closed throttle fully open	0.5 or less 4.50 to 5.50 approx
T	SD connector		
W	SD warning lamp	ignition on/running no faults present faults present	nbv zero
FPU	Fuel pressure VSV	ignition on/engine cold fuel temperature hot	nbv 0.25 max
THW	CTS : t2	ignition on/running	20°C 2.0 to 2.8 80°C 0.4 to 0.8
VTA	TPS : t3	ignition on/running throttle closed throttle fully open	0.5 or less 4.50 to 5.40 approx
VCC	sensor supply	ignition on/running	5.0 ± 0.1
OX	oxygen sensor	engine running throttle fully open fuel cut-off	200 to 1000 mv 1.0 volt constant 0 volt constant
E2	sensor return	switching frequency ignition on/running	8 in 10 secs (approx) 0.25 max
A/C	A/C magnetic switch		
R/P	fuel control switch		
HT	oxygen sensor	ignition on engine running	nbv 0.25 max

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V-ISC Idle-up VSV : t2

ignition on
actuated
not actuated

nbv
zero

10 pin plug

VF SD connector

STA ignition switch : tSTA (50)

cranking

nbv

No.10 injectors : t1

ignition on
running cold

nbv
3.5 ms

running hot
2000 rpm
3000 rpm
snap acceleration
deceleration

2.3 ms
2.1 ms
2.0 ms
8.0+ ms
injectors out

E01 earth

STH T-VIS vsv: t1

ignition on/running
ignition on
above 5000 rpm
below 5000 rpm

0.25 max

nbv
1.0 to 3.0

E1 earth

IGT amplifier

No.20 injectors : t1

ignition on/running
ignition on/running
ignition on
running cold

0.25 max
0.7 to 1.0
nbv
3.5 ms

running hot
2000 rpm
3000 rpm
snap acceleration
deceleration

2.3 ms
2.1 ms
2.0 ms
8.0+ ms
injectors out

EO2 earth

ignition on/running

0.25 max

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