

## ECM TERMINAL VOLTAGE 5.0L (VIN Y)

This ECM voltage chart is for use with a digital voltmeter to further aid in diagnosis. These voltages were derived from a known good car. The voltages you get may vary due to low battery charge or other reasons, but they should be very close.

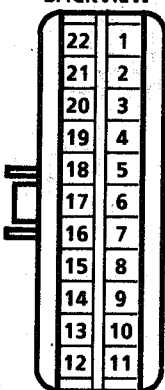
**THE FOLLOWING CONDITIONS MUST BE MET BEFORE TESTING:**

- Engine at operating temperature • Closed Loop • Engine idling (for "Engine Run" column)
- Test terminal not grounded • "Scan" tool not installed

**VOLTAGE  
KEY ENG. WIRE  
"ON" RUN COLOR**

			CIRCUIT	PIN
0*	0*	BLK	SENSOR RETURN	22
5	5	GRY	5V REFERENCE	21
.5	3-5	LT GRN	VAC SENS OUTPUT VARIES WITH ALT.	20
4.75	1.5	LT GRN	MAP SENSOR	20
B+ OFF 0* ON	B+ OFF 0* ON	BRN	A/C CUT-OUT RELAY	19
B+	5-10	LT BLU	M/C SOLENOID	18
B+	B+	GRN/ YEL	CANNISTER PURGE SOLENOID	17
10	11	BRN	VSS SIGNAL	16
0* ON B+ OFF	0* ON B+ OFF	BLK	A/C PRESSURE SWITCH SIGNAL	15
0*	0*	TAN	OXYGEN SENSOR GND	14
0*	0*	BLK/ RED	DISTRIBUTOR REF. GND	13
0*	1-2	WHT	EST	12

BLUE CONNECTOR  
BACKVIEW

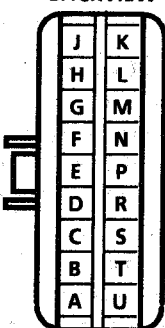


**VOLTAGE  
KEY ENG. WIRE  
"ON" RUN COLOR**

PIN	CIRCUIT	4.75	4.75	KEY ENG. WIRE "ON" RUN COLOR
1	BARO SENS. SIG. DECREASES/ALT	.2	.2	GRY/ BLK
2	TPS SENSOR SIGNAL	(VAR)	(VAR)	DK BLU
3	COOLANT TEMP. SENSOR SIGNAL	2.5 (VAR)	2.5 (VAR)	YEL
4	AIR CONTROL SOLENOID	B+	1.0	PNK/ BLK
5	DIAGNOSTIC TEST TERM.	5	5	WHT/ BLK
6	REAR VAC BREAK	B+	B+	TAN/ WHT
7	COOLANT TEMP. SENSOR RETURN	0*	0*	BLK
8	NOT USED			
9	OXYGEN SENSOR	3-4.5	1-9	PPL
10	DIST. REF. PULSE-HI	0*	1-2	PPL/ WHT
11	IGN MODULE BYPASS	0*	3.7	TAN/ BLK

0* OFF B+ ON	0* OFF B+ ON	DK BRN	A/C REQUEST	J
0* P/N B+ D/R	0* P/N B+ D/R	ORN/ BLK	PARK/NEUTRAL SWITCH	H
10	0*	WHT/ DK GRN	"SERV ENG SOON" LAMP	G
			NOT USED	F
B+	B+	LT BLU/ BLK	IDLE LOAD CNTL	E
			NOT USED	D
B+	B+	PNK/ BLK	IGN. 1 POWER	C
B+	B+	BRN	AIR SWITCHING SOLENOID	B
0*	0*	TAN/ WHT	GROUND (TO ENGINE)	A

TRANSLUCENT  
CONNECTOR  
BACKVIEW



K	NOT USED			
L	ESC SIGNAL	9.0	9.0	YEL/BLK
M	NOT USED			
N	HI GEAR SWITCH	0*	0*	DK GRN/ WHT
P	TRANS. CONV. CLUTCH SOL.	B+	B+	TAN/ BLK
R	TROUBLE CODE MEMORY PWR.	B+	B+	ORN
S	NOT USED			
T	EGR SOLENOID	B+	B+	GRY
U	GROUND (TO ENGINE)	0*	0*	BLK/ WHT

- \* Less than .5 volts.
- 1. Variable with engine running.
- 2. If less than 1 volt, rotate drive wheel to verify. This can be done by moving car forward about 2 feet.
- 3. .2 is minimum value at closed throttle, voltage increases as throttle is opened should not exceed 5.0 volts.
- 4. When the sensor is hot, as on engine shutdown, the voltage will fluctuate rapidly. As the sensor cools, the voltage will stabilize.
- 5. "B" SERIES
- 6. "G" SERIES

Figure A-2 - ECM Connector Terminal End View 5.0L "B" Series