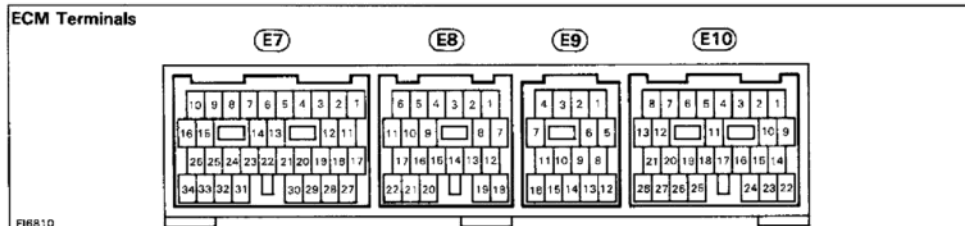


Engine Control Module: Connector Views



Symbols (Terminals No.)	Wiring Color	STD Voltage (V)	Condition	
BATT (E10-14 - E1 (E9-16)	W-L ↔ BR	9 ~ 14	Always	
+B (E10-23) - E1 (E9-16)	B-O ↔ BR	9 ~ 14	IG switch ON	
VC (E8-1) - E2 (E8-22)	L-R ↔ BR	4.5 ~ 5.5	IG switch ON	
IDL (E7-32) - E2 (E8-22)	L-W ↔ BR	0 ~ 3	IG switch ON and apply vacuum to the throttle opener Throttle valve fully closed	
		9 ~ 14	IG switch ON Throttle valve fully open	
VTA (E8-7) - E2 (E8-22)	B-Y ↔ BR	0.3 ~ 0.8	IG switch ON Throttle valve fully closed	
		3.2 ~ 4.9	IG switch ON Throttle valve fully open	
VG (E8-8) - VG- (E9-7)	R ↔ R-B	1.1 - 1.5	Idling, P or N Position, A/C switch off	
THA (E8-21) - E2 (E8-22)	L-B ↔ BR	0.5 ~ 3.4	Idling, Intake air temp. 20°C (68°F)	
THW (E8-20) - E2 (E8-22)	G-B ↔ BR	0.2 ~ 1.0	Idling, Engine coolant temp. 80°C (176°F)	
STA (E7-13) - E1 (E9-16)	B-W ↔ BR	6.0 or more	Cranking	
#10 (E7-10) #20 (E7- 9) #30 (E7- 8) - E01 (E7-34) #40 (E7- 7) #50 (E7- 6) #60 (E7- 5)	W Y GR L ↔ W-B R G	9 ~ 14	IG switch ON	
		Pulse generation	Idling	
		Pulse generation	Idling	
				IGT1 (E7-24) IGT2 (E7-16) - E1 (E9-16) IGT3 (E7-15)
IGF (E7-12) - E1 (E9-16)	W-R ↔ BR	4.5 ~ 5.5	IG switch ON	
		Pulse generation	Idling	
THG (E9-14) - E2 (E8-22)	G-Y ↔ BR	4.5 ~ 5.5	IG switch ON	
SDL (E10-28) - E1 (E9-16)	W ↔ BR	Pulse generation	During transmission	
TACO (E10-13) - E1 (E9-16)	B ↔ BR	Pulse generation	Idling	

Symbol (Terminals No.)	Wiring Color	STD Voltage (V)	Condition
G22 (+) (E8-16) – NE (E8-6)	B-W ↔ L	Pulse generation	Idling
NE (+) (E8-5) – NE (-) (E8-6)	R ↔ G	Pulse generation	Idling
FPU (E7-25) – E1 (E9-16)	B-R ↔ BR	9 ~ 14	IG switch ON
		0 ~ 3	Restarting at high engine coolant temp.
ELS (E10-21) – E1 (E9-16)	B-R ↔ BR	7.5 ~ 14	Defogger switch or taillight switch ON
		0 ~ 1.5	Defogger switch or taillight switch OFF
EGR (E9-12) – E1 (E9-16)	B-L ↔ BR	9 ~ 14	IG switch ON
ACIS (E9-6) – E1 (E9-16)	R-Y ↔ BR	9 ~ 14	IG switch ON
RSC (E7-22) – E1 (E9-16) RSO (E7-23) – E1 (E9-16)	Y-B ↔ BR G-B ↔ BR	9 ~ 14	IG switch ON Disconnect (E7) of ECM connector
OXR (E8-13) OXL (E8-19) – E1 (E9-16) OXS (E10-26)	W ↔ BR R-L	Pulse generation	Maintain engine speed at 2,500 rpm for 2 mins. after warming up
HTL (E9-10) HTR (E9-11) – E03 (E7-28) HTS (E10-25)	V-R ↔ W-B L-B ↔ W-B P-B	Below 3.0	Idling
		9 ~ 14	IG switch ON
KNKR (E8-15) – E1 (E9-16) KNKL (E8-14)	W ↔ BR W	Pulse generation	Idling
		9 ~ 14	IG switch ON Other shift position in "P", "N" position
NSW (E7-14) – E1 (E9-16)	B-W ↔ BR	0 ~ 3.0	IG switch ON Shift position in "P", "N" position
		Pulse generation	IG switch ON Rotate driving wheel slowly
SP1 (E10-12) – E1 (E9-16)	V-Y ↔ BR	9 ~ 14	IG switch ON
TE1 (E9-5) – E1 (E9-16)	GR-B ↔ BR	9 ~ 14	IG switch ON
OD1 (E10-7) – E1 (E9-16)	Y-B ↔ BR	9 ~ 14	IG switch ON
ACT (E10-5) – E1 (E9-16)	LG-R ↔ BR	9 ~ 14	Idling, A/C switch ON
		Below 2.0	Idling, A/C switch OFF
A/C (E10-20) – E1 (E9-16)	B-Y ↔ BR	Below 2.0	Idling, A/C switch ON
		9 ~ 14	Idling, A/C switch OFF
EVP1 (E9-2) – E1 (E9-16)	Y-B ↔ BR	9 ~ 14	IG switch ON
TPC (E9-8) – E1 (E9-16)	B-R ↔ BR	2.9 ~ 3.7	IG switch ON
PTNK (E9-13) – E2 (E8-22)	L-Y ↔ BR	Below 0.5	Apply vacuum (less than 66.7 kPa, 500 mmHg, 19.7 in.Hg)
FC (E8-18) – E1 (E9-16)	G-R – BR	9 ~ 14	IG switch ON
		0 ~ 3	Idling
W (E9-3) – E1 (E9-16)	G-R ↔ BR	9 ~ 14	Idling
		Below 3.0	IG switch ON