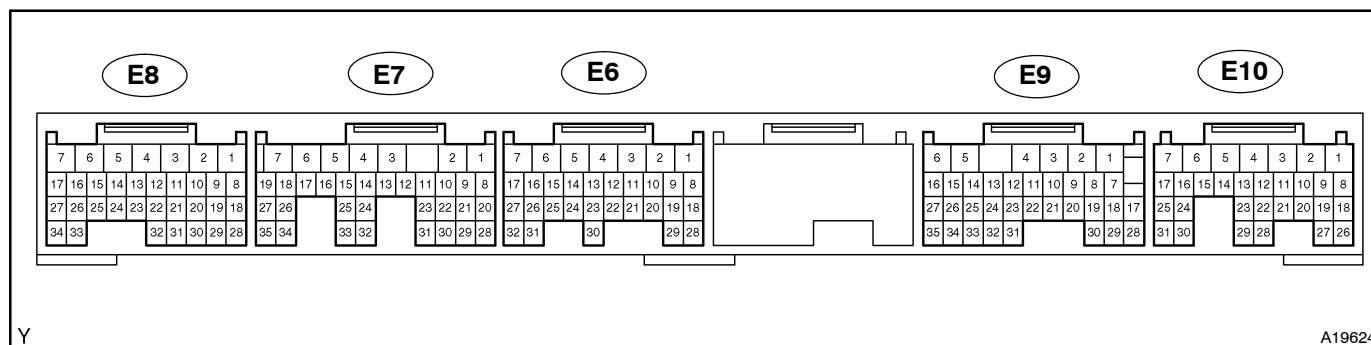


TERMINALS OF ECM



Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E10-3) - E1 (E6-1)	B-R ↔ BR	Always	9 - 14
+BM (E9-6) - E1 (E6-1)	Y-B ↔ BR		
IGSW (E10-9) - E1 (E6-1)	B-R ↔ BR	IG switch ON	9 - 14
+B (E10-1) - E1 (E6-1)	B-Y ↔ BR		
MREL (E10-8) - E1 (E6-1)	B-W ↔ BR	IG switch ON	9 - 14
VC (E8-18) - E2 (E8-28)	L-R ↔ BR-W	IG switch ON	4.5 - 5.5
VG (E8-30) - E2G (E8-29)	L-Y ↔ G-W	Idling, P or N range, A/C switch OFF	0.5 - 3.0
THA (E8-20) - E2 (E8-28)	Y-B ↔ BR-W	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E8-19) - E2 (E8-28)	G-B ↔ BR-W	Idling, Engine coolant temp. 80°C (176°F)	0.2 - 1.0
VTA1 (E8-21) - E2 (E8-28)	R-Y ↔ BR-W	IG switch ON, Accelerator pedal released	0.5 - 1.2
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VTA2 (E8-31) - E2 (E8-28)	Y-B ↔ BR-W	IG switch ON, Accelerator pedal released	2.0 - 3.1
		IG switch ON, Accelerator pedal depressed	4.7 - 5.1
VPA (E10-22) - E2 (E8-28)	R ↔ BR-W	IG switch ON, Accelerator pedal released	0.3 - 0.9
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VPA2 (E10-23) - E2 (E8-28)	R-B ↔ BR-W	IG switch ON, Accelerator pedal released	1.8 - 2.7
		IG switch ON, Accelerator pedal depressed	4.7 - 5.1
VCPA (E10-26) - EPA (E10-28)	L-R ↔ BR-W	IG switch ON	4.5 - 5.5
VCP2 (E10-27) - EPA2 (E10-29)	W ↔ W-R	IG switch ON	4.5 - 5.5
OX1A (E7-23) - E1 (E6-1) OX1B (E7-29) - E1 (E6-1)	B ↔ BR B ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (See page DI-125)
OX2A (E7-22) - E1 (E6-1) OX2B (E7-21) - E1 (E6-1)	W ↔ BR W ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (See page DI-125)
HT1A (E7-4) - E1 (E6-1) HT1B (E7-5) - E1 (E6-1)	R ↔ BR L ↔ BR	Idling	Below 3.0
HT2A (E7-33) - E1 (E6-1) HT2B (E7-25) - E1 (E6-1)	Y ↔ BR R-B ↔ BR	IG switch ON	9 - 14
#1 (E8-1) - E01 (E8-7) #2 (E8-2) - E01 (E8-7) #3 (E8-3) - E01 (E8-7) #4 (E8-4) - E01 (E8-7) #5 (E8-5) - E01 (E8-7) #6 (E7-3) - E01 (E8-7) #7 (E6-6) - E01 (E8-7) #8 (E6-5) - E01 (E8-7)	Y ↔ W-B B ↔ W-B L ↔ W-B R ↔ W-B G ↔ W-B R-L ↔ W-B W ↔ W-B B-W ↔ W-B	IG switch ON	9 - 14
		Idling	Pulse generation (See page DI-90)

KNK1 (E7-1) – E1 (E6-1)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-108)
KNK2 (E7-2) – E1 (E6-1)	W ↔ BR		
G2+ (E6-27) – G2- (E6-32)	R ↔ G	Idling	Pulse generation (See page DI-112)
NE+ (E6-25) – NE- (E6-24)	L ↔ G		
PRG (E8-34) – E1 (E6-1)	L-B ↔ BR	IG switch ON	9 – 14
CCV (E8-27) – E1 (E6-1)	L-R ↔ BR	IG switch ON	9 – 14
TBP (E10-4) – E1 (E6-1)	L ↔ BR	IG Switch ON, disconnect vacuum hose from VSV for pressure switching valve	9 – 14
PTNK (E10-21) – E2 (E8-28)	L-B ↔ BR-W	Ignition switch ON	2.9 – 3.7
		Apply vacuum 4.0 kPa (30 mmHg, 1.18 in.Hg)	Below 0.5
SPD (E9-17) – E1 (E6-1)	V ↔ BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page DI-188)
M+ (E6-3) – E1 (E6-1)	R ↔ BR	Idling	Pulse generation (See page DI-205)
M- (E6-2) – E1 (E6-1)	W ↔ BR		
FPR (E8-33) – E1 (E6-1)	G-W ↔ BR	IG switch ON	0 – 3.0
FC (E10-10) – E1 (E6-1)	B-W ↔ BR	IG switch ON	9 – 14
IGT1 (E8-9) – E1 (E6-1)	B ↔ BR	Idling	Pulse generation (See page DI-118)
IGT2 (E8-8) – E1 (E6-1)	R ↔ BR		
IGT3 (E8-25) – E1 (E6-1)	L ↔ BR		
IGT4 (E8-11) – E1 (E6-1)	G ↔ BR		
IGT5 (E8-12) – E1 (E6-1)	Y ↔ BR		
IGT6 (E8-26) – E1 (E6-1)	B-Y ↔ BR		
IGT7 (E8-13) – E1 (E6-1)	B-L ↔ BR		
IGT8 (E8-10) – E1 (E6-1)	L-B ↔ BR		
IGF1 (E8-24) – E1 (E6-1)	B-W ↔ BR	IG switch ON	4.5 – 5.5
IGF2 (E8-23) – E1 (E6-1)	B-R ↔ BR	Idling	Pulse generation (See page DI-118)
STP (E9-19) – E1 (E6-1)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
ST1- (E9-12) – E1 (E6-1)	R-G ↔ BR	Brake pedal is depressed	Below 1.5
		Brake pedal is released	7.5 – 14
STA (E8-17) – E1 (E6-1)	B-R ↔ BR	Shift lever range P or N, Ignition switch START	6.0 or more
STSW (E6-12) – E1 (E6-1)	B-W ↔ BR	Shift lever range P or N, ignition switch START	6.0 or more
ACCR (E8-15) – E1 (E6-1)	R-G ↔ BR	Shift lever range P or N, ignition switch START	9 – 14
STAR (E7-9) – E1 (E6-1)	B-W ↔ BR	Shift lever range P or N, ignition switch START	9 – 14
NSW (E8-16) – E1 (E6-1)	B-W ↔ BR	IG switch ON, Other shift position in P, N	9 – 14
		IG switch ON, Shift position in P, N	0 – 3.0
W (E11-11) – E1 (E6-1)	W ↔ BR	Idling	9 – 14
		IG switch ON	Below 3.0
SIL (E10-18) – E1 (E6-1)	V-W ↔ BR	During transmission	Pulse generation
TACH (E10-5) – E1 (E6-1)	B ↔ BR	Idling	Pulse generation