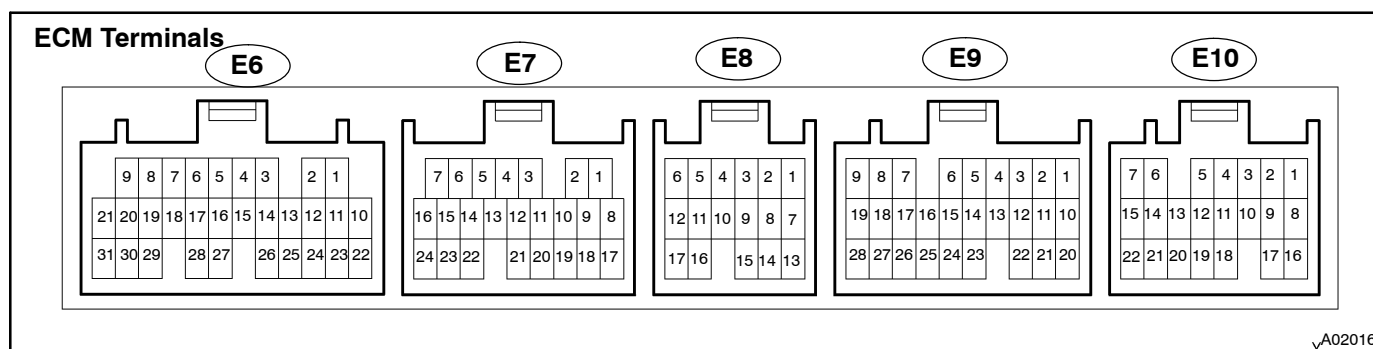


TERMINALS OF ECM



Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E10-1) - E1 (E7-17)	B-R ↔ BR	Always	9 - 14
+BM (E10-7) - E1 (E7-17)	Y-B ↔ BR		
IGSW (E10-9) - E1 (E7-17)	B-R ↔ BR	IG switch ON	9 - 14
+B (E10-16) - E1 (E7-17)	B-Y ↔ BR		
+B1 (E10-8) - E1 (E7-17)	B-Y ↔ BR		
MREL (E10-5) - E1 (E7-17)	B-W ↔ BR	IG switch ON	9 - 14
VC (E7-2) - E2 (E7-18)	L-R ↔ BR-W	IG switch ON	4.5 - 5.5
VG (E7-10) - EVG (E7-19)	L-Y ↔ G-W	Idling, P or N position, A/C switch OFF	0.5 - 3.0
THA (E7-22) - E2 (E7-18)	Y-B ↔ BR-W	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E7-14) - E2 (E7-18)	G-B ↔ BR-W	Idling, Engine coolant temp. 80°C (176°F)	0.2 - 1.0
VTA (E7-13) - E2 (E7-18)	R-Y ↔ BR-W	IG switch ON, Accelerator pedal released	0.4 - 1.0
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VTA2 (E7-20) - E2 (E7-18)	Y-B ↔ BR-W	IG switch ON, Accelerator pedal released	2.0 - 2.9
		IG switch ON, Accelerator pedal depressed	4.7 - 5.1
VPA (E7-21) - E2 (E7-18)	R ↔ BR-W	IG switch ON, Accelerator pedal released	0.3 - 0.9
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VPA2 (E7-9) - E2 (E7-18)	R-B ↔ BR-W	IG switch ON, Accelerator pedal released	1.8 - 2.7
		IG switch ON, Accelerator pedal depressed	4.7 - 5.1
OXL1 (E7-12) - E1 (E7-17)	B ↔ BR	Maintain engine speed at 2,500 rpm for 90 sec. after warming up	Pulse generation (See page DI-77)
OXL2 (E7-16) - E1 (E7-17)	B ↔ BR		
OXR1 (E7-11) - E1 (E7-17)	W ↔ BR	Maintain engine speed at 2,500 rpm for 3 min. after warming up	Pulse generation (See page DI-77)
OXR2 (E7-15) - E1 (E7-17)	W ↔ BR		
HTL (E7-4) - E1 (E7-17)	R ↔ BR	Idling	Below 3.0
HTL2 (E7-8) - E1 (E7-17)	L ↔ BR	IG switch ON	9 - 14
HTR (E7-3) - E1 (E7-17)	Y ↔ BR		
HTR2 (E7-7) - E1 (E7-17)	R-B ↔ BR		
#1 (E7-5) - E01 (E6-21)	Y ↔ W-B		
#2 (E7-6) - E01 (E6-21)	B ↔ W-B	Idling	Pulse generation (See page DI-64)
#3 (E6-1) - E01 (E6-21)	L ↔ W-B		
#4 (E6-2) - E01 (E6-21)	R ↔ W-B		
#5 (E6-3) - E01 (E6-21)	G ↔ W-B		
#6 (E6-4) - E01 (E6-21)	R-L ↔ W-B		
#7 (E6-5) - E01 (E6-21)	W ↔ W-B		
#8 (E6-6) - E01 (E6-21)	B-W ↔ W-B		
KNKL (E6-18) - E1 (E7-17)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-70)
KNKR (E6-17) - E1 (E7-17)	W ↔ BR		

DIAGNOSTICS – ENGINE

G2 (E6-10) – NE- (E6-22)	R ↔ G	Idling	Pulse generation (See page DI-73)
NE+ (E6-23) – NE- (E6-22)	R ↔ G		
PRG (E7-7) – E1 (E7-17)	L-B ↔ BR	IG switch ON	9 – 14
TPC (E9-21) – E1 (E7-17)	L ↔ BR	IG switch ON	9 – 14
PTNK (E9-22) – E2 (E7-18)	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 (E9-5) – E1 (E7-17)	V ↔ BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page DI-100)
CL+ (E6-29) – CL- (E6-19)	G ↔ L	Idling	Pulse generation (See page DI-112)
M+ (E6-8) – E1 (E7-17)	R ↔ BR	Idling	Pulse generation (See page DI-109)
M- (E6-7) – E1 (E7-17)	W ↔ BR		
DI (E10-4) – E1 (E7-17)	G-R ↔ BR	IG switch ON	9 – 14
FPC (E10-5) – E1 (E7-17)	G-W ↔ BR	IG switch ON	0 – 3.0
IGT1 (E6-11) – E1 (E7-17)	B ↔ BR	Idling	Pulse generation (See page DI-123)
IGT2 (E6-12) – E1 (E7-17)	R ↔ BR		
IGT3 (E6-13) – E1 (E7-17)	L ↔ BR		
IGT4 (E6-14) – E1 (E7-17)	G ↔ BR		
IGT5 (E6-15) – E1 (E7-17)	Y ↔ BR		
IGT6 (E6-16) – E1 (E7-17)	B-Y ↔ BR		
IGT7 (E6-25) – E1 (E7-17)	B-L ↔ BR		
IGT8 (E6-26) – E1 (E7-17)	L-B ↔ BR		
IGF1 (E6-27) – E1 (E7-17)	B-W ↔ BR	IG switch ON	4.5 – 5.5
IGF2 (E6-28) – E1 (E7-17)	B-R ↔ BR	Idling	Pulse generation (See page DI-123)
STP (E10-15) – E1 (E7-17)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
STA (E9-7) – E1 (E7-17)	B-R ↔ BR	Shift lever position P or N, Ignition switch START	6.0 or more
NSW (E9-20) – E1 (E7-17)	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 (E9-23) – E1 (E7-17)	W ↔ BR	Idling	9 – 14
		IG switch ON	Below 3.0
ACT (E10-22) – E1 (E7-17)	L-B ↔ BR	A/C switch OFF	Below 3.0
		A/C switch ON at idling	9 – 14
A/C (E10-21) – E1 (E7-17)	W-G ↔ BR	A/C switch ON at idling	Below 3.0
		A/C switch OFF	7.5 – 14
SIL (E10-17) – E1 (E7-17)	V-W ↔ BR	During transmission	Pulse generation
ELS (E9-12) – E1 (E7-17)	G-W ↔ BR	Taillight switch ON, Defogger switch ON	7.5 – 14
		Taillight switch OFF, Defogger switch OFF	0 – 1.5
TACH (E9-4) – E1 (E7-17)	B ↔ BR	Idling	Pulse generation
KSW (E10-11) – E1 (E7-17)	R-B ↔ BR	At time of inserting key	Below 1.5
		In condition without key inserted	4 – 5
RXCK (E10-13) – E1 (E7-17)	V-G ↔ BR	At time of inserting key	Pulse generation
CODE (E10-14) – E1 (E7-17)	L-B ↔ BR	At time of inserting key	Pulse generation
TXCT (E10-12) – E1 (E7-17)	R-Y ↔ BR	At time of inserting key	Pulse