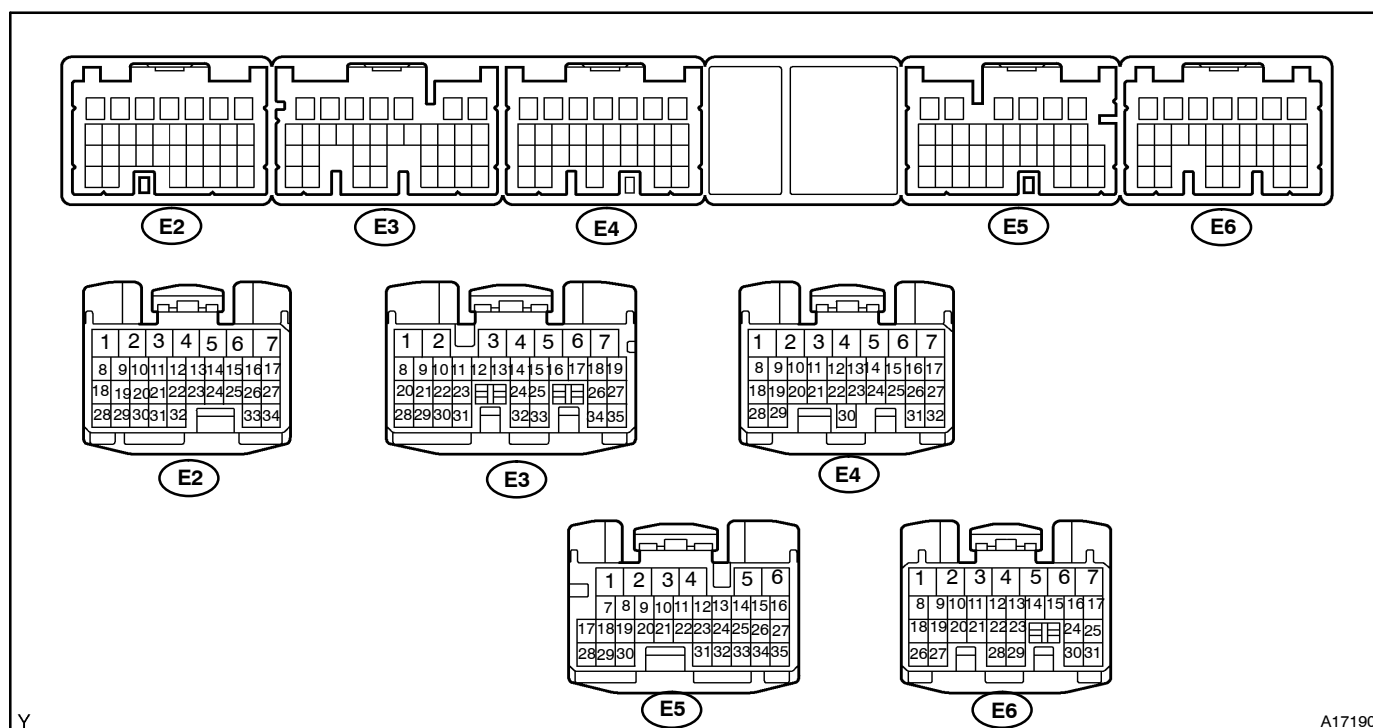


TERMINALS OF ECM



Y

A17190

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E6-4) - E1 (E3-7)	B-Y ↔ BR	Always	9 - 14
+BM (E6-7) - E1 (E3-7)	V-Y ↔ BR		
IGSW (E6-17) - E1 (E3-7)	B-O ↔ BR	IG switch ON	9 - 14
+B (E6-6) - E1 (E3-7)	B-R ↔ BR		
+B2 (E6-5) - E1 (E3-7)	B-R ↔ BR		
VC (E5-35) - E2 (E5-34)	L-Y ↔ BR	IG switch ON	4.5 - 5.5
VTA (E2-25) - E2 (E5-34)	Y-G ↔ BR	IG switch ON, Accelerator pedal released	0.4 - 1.0
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VTA2 (E2-24) - E2 (E5-34)	Y-R ↔ BR	IG switch ON, Accelerator pedal released	2.0 - 2.9
		IG switch ON, Accelerator pedal depressed	4.6 - 5.1
VPA (E5-33) - E2 (E5-34)	L ↔ BR	IG switch ON, Accelerator pedal released	0.3 - 0.9
		IG switch ON, Accelerator pedal depressed	3.2 - 4.8
VPA2 (E5-32) - E2 (E5-34)	L-R ↔ BR	IG switch ON, Accelerator pedal released	1.8 - 2.7
		IG switch ON, Accelerator pedal depressed	4.7 - 5.1
VG (E4-27) - EVG (E4-26)	R-L - GR	Idling, P or N position, A/C switch OFF	1.1 - 1.5
THA (E4-32) - E2 (E5-34)	W-R ↔ BR	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E4-24) - E2 (E5-34)	B-R ↔ BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 - 1.0
STA (E6-12) - E1 (E3-7)	B ↔ BR	Shift lever position P or N position, ignition switch START	9 - 14
#10 (E2-15) - E01 (E4-2)	Y ↔ W-B	IG switch ON	9 - 14
#20 (E4-17) - E01 (E4-2)	B ↔ W-B		
#30 (E2-14) - E01 (E4-2)	L ↔ W-B	Idling	Pulse generation
#40 (E4-16) - E01 (E4-2)	R ↔ W-B		
#50 (E2-13) - E01 (E4-2)	W ↔ W-B		
#60 (E4-15) - E01 (E4-2)	R-L ↔ W-B		

DIAGNOSTICS – ENGINE (2JZ-GE)

IGT (E4-13) – E1 (E3-7) IGT2 (E2-27) – E1 (E3-7) IGT3 (E2-26) – E1 (E3-7)	B-W ↔ BR B-L ↔ BR B-R ↔ BR	Idling	Pulse generation (See page DI-127)
IGF (E4-7) – E1 (E3-7)	B ↔ BR	IG switch ON	4.5 – 5.5
		Idling	Pulse generation (See page DI-127)
G2 (E2-29) – NE- (E2-32)	Y ↔ L	Idling	Pulse generation (See page DI-73)
NE+ (E2-31) – NE- (E2-32)	W ↔ L		
MREL (E6-13) – E1 (E3-7)	B-Y ↔ BR	IG switch ON	9 – 14
FC (E6-14) – E1 (E3-7)	B-L ↔ BR	IG switch ON	Below 1.5
		Idling	Pulse generation (0 and 4.5 – 5.5)
FPR (E6-15) – E1 (E3-7)	B-R ↔ BR	Idling	7.0 or more
STP (E5-4) – E1 (E3-7)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
PRG (E2-11) – E01 (E4-2)	B-Y ↔ W-B	IG switch ON	9 – 14
TPC (E5-10) – E01 (E4-2)	W-R ↔ W-B	IG switch ON	9 – 14
CCV (E4-22) – E01 (E4-2)	B-L ↔ W-B	IG switch ON	9 – 14
PTNK (E5-25) – E2 (E5-34)	L-Y ↔ BR	Ignition switch ON	2.9 – 3.7
		Apply vacuum 4.0 kPa (30 mmHg, 1.1 in.Hg)	Below 0.5
OX1A (E3-28) – E2 (E5-34) OX2A (E5-28) – E2 (E5-34)	B ↔ BR W ↔ BR	Maintain engine speed at 2,500 rpm for 90 sec. after warming up	Pulse generation
OX1B (E4-28) – E2 (E5-34) OX2B (E5-17) – E2 (E5-34)	W ↔ BR R ↔ BR	Maintain engine speed at 2,500 rpm for 3 min. after warming up	Pulse generation
HT1A (E3-9) – E01 (E4-2) HT2A (E4-20) – E01 (E4-2) HT1B (E5-7) – E01 (E4-2) HT2B (E5-8) – E01 (E4-2)	R ↔ W-B GR ↔ W-B Y ↔ W-B GR-B ↔ W-B	Idling	Below 3.0
		IG switch ON	9 – 14
KNK1 (E3-1) – E1 (E3-7)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-70)
KNK2 (E3-2) – E1 (E3-7)	GR ↔ BR		
TC (E5-3) – E1 (E3-7)	P-B ↔ BR	IG switch ON	9 – 14
W (E5-2) – E01 (E4-2)	GR-R ↔ W-B	Idling	9 – 14
		IG switch ON	Below 3.0
ACMG (E6-16) – E01 (E4-2)	L-O ↔ W-B	A/C switch ON (at idling)	Below 3.0
		A/C switch OFF	9 – 14
OCV+ (E2-6) – OCV- (E2-5)	W-R ↔ R-W	IG switch ON	Pulse generation (See page DI-134)
ACIS (E4-21) – E01 (E4-2)	B-L ↔ W-B	IG switch ON	9 – 14
		Engine speed between 2,500 and 4,000 rpm	Below 3.0
CL+ (E2-10) – CL- (E2-9)	G-R ↔ Y-R	Idling	Pulse generation (See page DI-120)
M+ (E2-3) – E1 (E3-7) M- (E2-2) – E1 (E3-7)	W ↔ BR B ↔ BR	Idling	Pulse generation (See page DI-117)
SIL (E6-26) – E1 (E3-7)	W ↔ BR	IG switch ON	9 – 14
SP2+ (E3-23) – SP2- (E3-22)	L-Y ↔ R-L	Vehicle is driving	Pulse generation (See page DI-105)