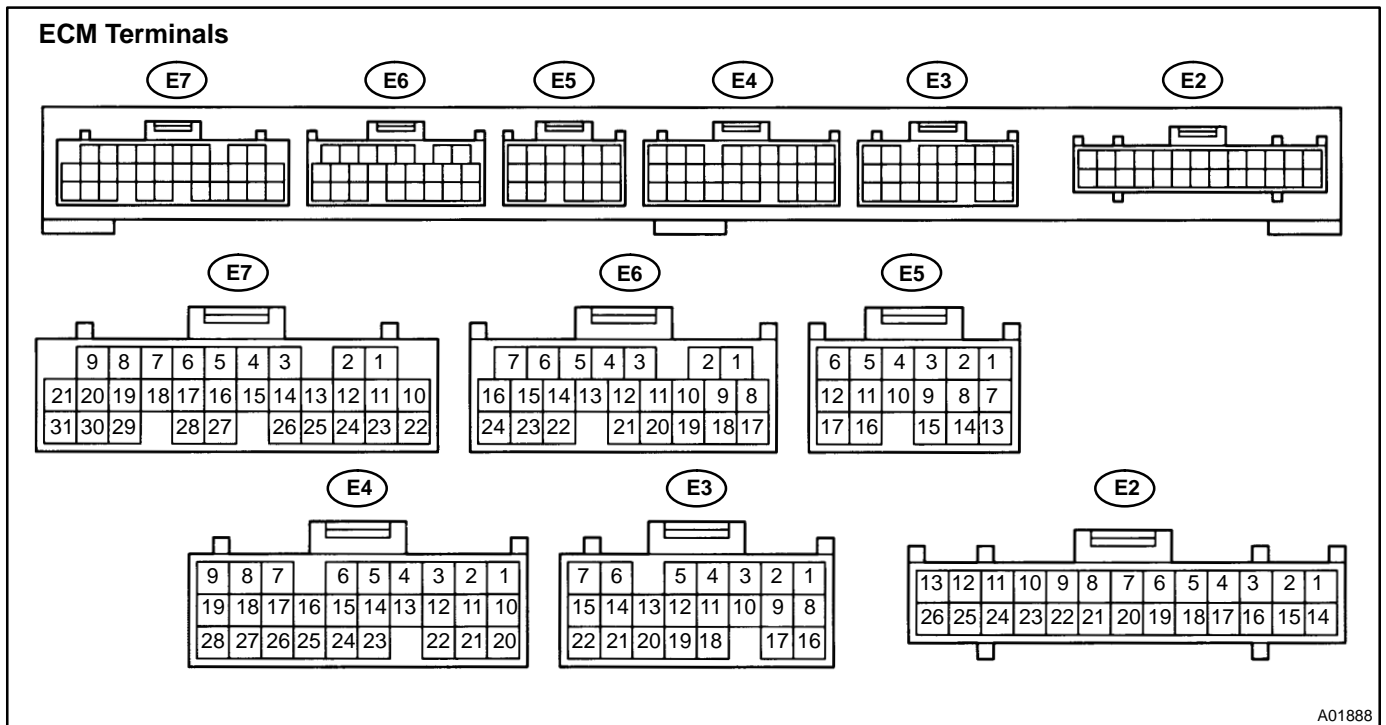


# TERMINALS OF ECM



A01888

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E3-1) – E1 (E6-17)	B-Y ↔ BR	Always	9 – 14
+BM (E3-7) – E1 (E6-17)	L-W ↔ BR		
IGSW (E3-9) – E1 (E6-17)	B-O ↔ BR	IG switch ON	9 – 14
+B (E3-16) – E1 (E6-17)	B-R ↔ BR		
+B2 (E3-8) – E1 (E6-17)	B-R ↔ BR		
VC (E6-2) – E7 (E6-18)	L-Y ↔ BR	IG switch ON	4.5 – 5.5
VTA (E6-23) – E7 (E6-18)	W-R ↔ BR	IG switch ON, Accelerator pedal released	0.4 – 1.0
		IG switch ON, Accelerator pedal depressed	3.2 – 4.8
VTA2 (E6-24) – E7 (E6-18)	G-Y ↔ BR	IG switch ON, Accelerator pedal released	2.0 – 2.9
		IG switch ON, Accelerator pedal depressed	4.6 – 5.1
VPA (E6-15) – E7 (E6-18)	P-L ↔ BR	IG switch ON, Accelerator pedal released	0.3 – 0.9
		IG switch ON, Accelerator pedal depressed	3.2 – 4.8
VPA2 (E6-16) – E7 (E6-18)	L-W ↔ BR	IG switch ON, Accelerator pedal released	1.8 – 2.7
		IG switch ON, Accelerator pedal depressed	4.7 – 5.1
VG (E6-10) – EVG (E6-19)	G-B ↔ L	Idling, P or N position, A/C switch OFF	1.1 – 1.5
THA (E6-22) – E7 (E6-18)	L-B ↔ BR	Idling, Intake air temp. 20°C (68°F)	0.5 – 3.4
THW (E6-14) – E7 (E6-18)	R ↔ BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 – 1.0
STA (E4-2) – E1 (E6-17)	B ↔ BR	Shift lever position P or N position, ignition switch START	9 – 14
#10 (E6-5) – E01 (E7-21)	R ↔ W-B	IG switch ON	9 – 14
#20 (E6-6) – E01 (E7-21)	L ↔ W-B		
#30 (E7-1) – E01 (E7-21)	G ↔ W-B	Idling	Pulse generation (See page DI-64)
#40 (E7-2) – E01 (E7-21)	R-W ↔ W-B		
#50 (E7-3) – E01 (E7-21)	L-R ↔ W-B		
#60 (E7-4) – E01 (E7-21)	B-W ↔ W-B		
IGT (E7-11) – E1 (E6-17)	GR-B ↔ BR	Idling	Pulse generation (See page DI-130)
IGT2 (E7-12) – E1 (E6-17)	B-R ↔ BR		
IGT3 (E7-13) – E1 (E6-17)	B-Y ↔ BR		

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## DIAGNOSTICS – ENGINE

IGF (E7-25) – E1 (E6-17)	B-L ↔ BR	IG switch ON	4.5 – 5.5
		Idling	Pulse generation (See page DI-130)
G2 (E7-10) – NE- (E7-22)	G ↔ L	Idling	Pulse generation (See page DI-73)
NE (E7-23) – NE- (E7-22)	B-W ↔ L		
MREL (E3-10) – E1 (E6-17)	B-O ↔ BR	IG switch ON	9 – 14
FC (E3-5) – E1 (E6-17)	G-Y ↔ BR	IG switch ON	Below 1.5
		Idling	Pulse generation (0 and 4.5 – 5.5)
FPR (E3-4) – E1 (E6-17)	G-R ↔ BR	Idling	7.0 or more
STP (E4-6) – E1 (E6-17)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
PRG (E6-7) – E01 (E7-21)	W-G ↔ W-B	IG switch ON	9 14
TBP (E2-13) – E01 (E7-21)	P ↔ W-B	IG switch ON	9 – 14
CCV (E5-12) – E01 (E2-21)	Y-G ↔ W-B	IG switch ON	9 – 14
PTNK (E4-18) – E7 (E6-18)	P-G ↔ BR	Ignition switch ON	2.9 – 3.7
		Apply vacuum 4.0 kPa (30 mmHg, 1.1 in.Hg)	Below 0.5
OXL1 (E6-12) – E7 (E6-18)	W ↔ BR	Maintain engine speed at 2,500 rpm for 90 sec. after warming up	Pulse generation (See page DI-77)
OXL2 (E4-8) – E7 (E6-18)	W ↔ BR		
OXR1 (E6-11) – E7 (E6-18)	B ↔ BR	Maintain engine speed at 2,500 rpm for 3 min. after warming up	Pulse generation (See page DI-77)
OXR2 (E2-24) – E7 (E6-18)	W ↔ BR		
HTL (E6-4) – E01 (E7-21)	LG ↔ W-B	Idling	Below 3.0
HTL2 (E2-26) – E01 (E7-21)	G-B ↔ W-B		
HTR (E6-3) – E01 (E7-21)	P ↔ W-B	IG switch ON	9 – 14
HTR2 (E2-25) – E01 (E7-21)	R-W ↔ W-B		
KNK1 (E7-28) – E1 (E6-17)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-70)
KNK2 (E7-27) – E1 (E6-17)	W ↔ BR		
TC (E4-5) – E1 (E6-17)	R-W ↔ BR	IG switch ON	9 – 14
W (E3-6) – E01 (E7-21)	R-L ↔ W-B	Idling	9 – 14
		IG switch ON	Below 3.0
ACMG (E4-13) – E01 (E7-21)	L-W ↔ W-B	A/C switch ON (at idling)	Below 3.0
		A/C switch OFF	9 – 14
OCV+ (E7-18) – OCV- (E7-17)	R-Y ↔ Y-B	IG switch ON	Pulse generation (See page DI-137)
ACIS (E7-5) – E01 (E7-21)	Y-G ↔ W-B	IG switch ON	9 – 14
		Engine speed between 2,500 and 4,000 rpm	Below 3.0
CL+ (E7-20) – CL- (E7-19)	R-W ↔ Y	Idling	Pulse generation (See page DI-120)
M+ (E7-8) – E1 (E6-17)	W ↔ BR	Idling	Pulse generation (See page DI-117)
M- (E7-7) – E1 (E6-17)	R ↔ BR		
SIL (E3-11) – E1 (E6-17)	W ↔ BR	IG switch ON	9 – 14
SP2+ (E5-5) – SP2- (E5-11)	L-Y ↔ R-L	Vehicle is driving	Pulse generation (See page DI-105)