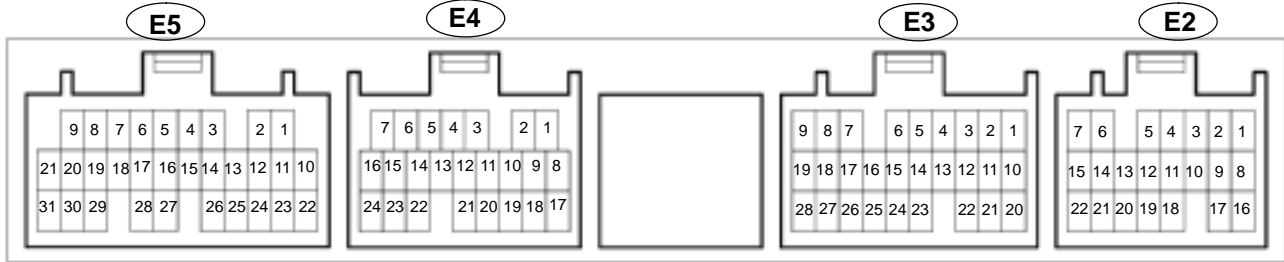


# TERMINALS OF ECM

## ECM Terminals



A10774

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E2-1) – E1 (E4-17)	B-Y – BR	Always	9 – 14
IGSW (E2-8) – E1 (E4-17)	B-R – BR	IG switch ON	9 – 14
+B (E2-16) – E1 (E4-17)	B – BR		
VC (E4-2) – E2 (E4-18)	L-R – BR	IG switch ON	4.5 – 5.5
VTA (E4-23) – E2 (E4-18)	B-W – BR	IG switch ON, Accelerator pedal fully closed	0.3 – 1.0
		IG switch ON, Accelerator pedal fully open	3.2 – 4.8
THA (E4-22) – E2 (E4-18)	Y-B – BR	Idling, Intake air temp. 20°C (68°F)	0.5 – 3.4
THW (E4-14) – E2 (E4-18)	R-L – BR	Idling, Water temp. 80°C (176°F)	0.2 – 1.0
STA (E3-11) – E1 (E4-17)	B – BR	Shift position in neutral, Ignition SW START	6.0 or more
#10 (E5-1) – E01 (E5-21)	B-W – W-R	Idling	Pulse generation (See page DI-63)
#20 (E5-2) – E01 (E5-21)	B – W-B		
#30 (E5-3) – E01 (E5-21)	L – W-B		
#40 (E5-4) – E01 (E5-21)	W – W-B		
IGT1 (E5-10) – E1 (E4-17)	B – BR	Idling	Pulse generation (See page DI-109)
IGT2 (E5-11) – E1 (E4-17)	L – BR		
IGT3 (E5-12) – E1 (E4-17)	L-W – BR		
IGT4 (E5-13) – E1 (E4-17)	L – BR		
IGF (E5-25) – E1 (E4-17)	B-Y – BR	IG switch ON	4.5 – 5.5
		Idling	Pulse generation (See page DI-109)
G2 (E4-15) – NE- (E4-24)	W – B	Idling	Pulse generation (See page DI-71)
NE+ (E4-16) – NE- (E4-24)	W – B		
MREL (E3-21) – E1 (E4-17)	GR – BR	IG switch ON	9 – 14
FC (E2-3) – E1 (E4-17)	G-R – BR	IG switch ON	9 – 14
STP (E3-6) – E1 (E4-17)	G – BR	Brake pedal is depressed	9 – 14
		Brake pedal is released	Below 1.5
OX1A (E4-12) – E1 (E4-17)	B – BR	Maintain engine speed at 2,500 rpm for 90 sec. after warming up	Pulse generation (See page DI-42)
OX2A (E4-21) – E1 (E4-17)	B – BR	Maintain engine speed at 2,500 rpm for 90 sec. after warming up	Pulse generation (See page DI-42)
OX1B (E4-9) – E1 (E4-17)	B – BR	Maintain engine speed at 2,500 rpm for 3 min. after warming up	Pulse generation (See page DI-42)
HT1A (E4-3) – E01 (E4-6)	B-Y – BR	Idling	Below 3.0
HT1B (E4-8) – E01 (E4-6)	L-B – BR		
HT2A (E4-5) – E01 (E4-6)	B-W – BR		
KNK1 (E5-27) – E1 (E4-17)	W – BR	IG switch ON	9 – 14
		Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-68)

TC (E3-5) – E1 (E4-17)	P-L – BR	IG switch ON	9 – 14
W (E2-15) – E01 (E4-6)	Y-R – BR	Idling	9 – 14
		IG switch ON	Below 3.0
OCV+ (E5-24) – OCV– (E5-23)	R – W	IG switch ON	Pulse generation (See page <a href="#">DI-117</a> )
EVP1 (E4-4) – E01 (E4-6)	W – BR	IG switch ON	9 – 14
RSO (E5-18) – E1 (E4-17)	G – BR	IG switch ON	9 – 14
TBP (E3-23) – E01 (E4-6)	L-W – BR	IG switch ON	3.0 – 3.6
PTNK (E2-4) – E2 (E4-18)	G-B – BR	IG switch ON	3.0 – 3.6
SPD (E3-22) – E1 (E4-17)	V-W – BR	IG switch ON	9 – 14
PRE (E3-18) – E1 (E4-17)	W-L – BR	Refrigerant pressure is between 196 kPa and 1340 kPa	9 – 14
		Refrigerant pressure is less than 196 kPa, more than 1340 kPa	–
ACMG (E2-12) – E01 (E4-6)	L – BR	Idling, Magnetic clutch is ON	below 1.0
		Idling, Magnetic clutch is OFF	9 – 14
LCK1 (E3-28) – E1 (E4-17)	W-R – BR	Idling, A/C switch is ON	9 – 14
		Idling, A/C switch is OFF	–