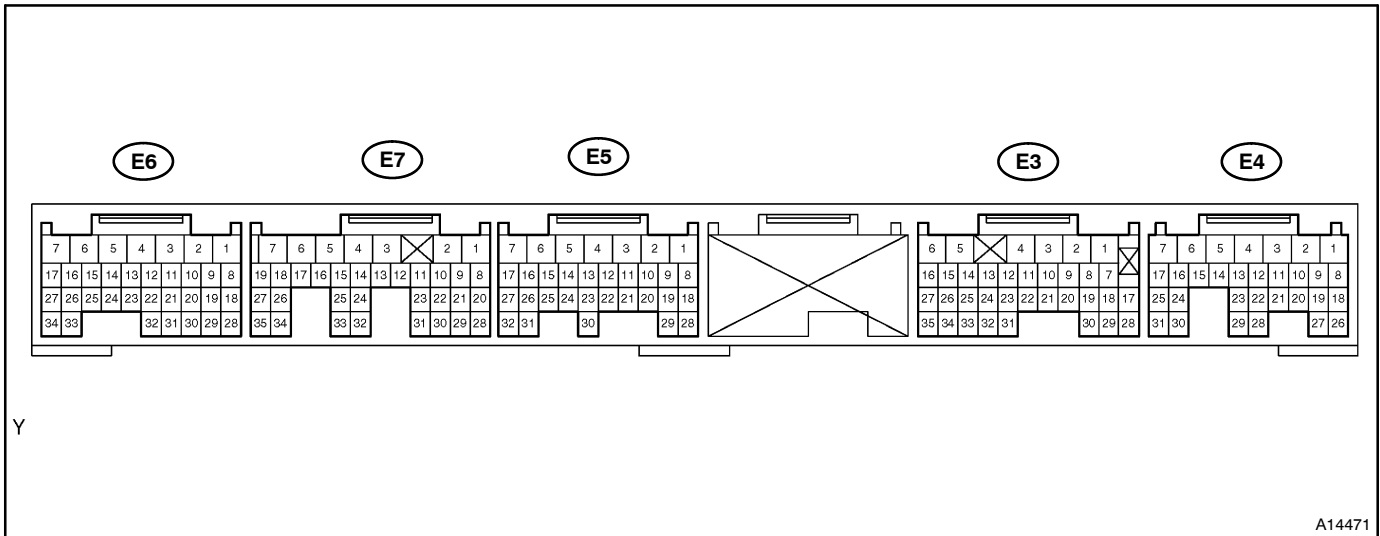


TERMINALS OF ECU



Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E4-4) - E1 (E7-7)	B-R ↔ BR	Always	9 - 14
+BM (E4-7) - E1 (E7-7)	Y-B ↔ BR		
IGSW (E4-17) - E1 (E7-7)	B-O ↔ BR	IG switch ON	9 - 14
+B (E4-6) - E1 (E7-7)	B-W ↔ BR		
+B1 (E4-5) - E1 (E7-7)	B-W ↔ BR		
VC (E6-23) - ETA (E6-22)	L-R ↔ BR	IG switch ON	4.5 - 5.5
VTA (E6-25) - ETA (E6-22)	Y ↔ BR	IG switch ON, Accelerator pedal fully closed	0.4 - 1.0
		IG switch ON, Accelerator pedal fully open	3.2 - 4.8
VTA2 (E6-24) - ETA (E6-22)	L-B ↔ BR	IG switch ON, Accelerator pedal fully closed	2.0 - 2.9
		IG switch ON, Accelerator pedal fully open	4.6 - 5.1
VPA (E3-33) - EPA (E3-34)	R-Y ↔ BR-W (LHD), LG-R (RHD)	IG switch ON, Accelerator pedal fully closed	0.3 - 0.9
		IG switch ON, Accelerator pedal fully open	3.2 - 4.8
VPA2 (E3-32) - EPA (E3-34)	R-B ↔ BR-Y	IG switch ON, Accelerator pedal fully closed	1.8 - 2.7
		IG switch ON, Accelerator pedal fully open	4.7 - 5.1
VG (E5-27) - EVG (E5-26)	L-Y ↔ G-W	Idling, P or N position, A/C switch OFF	0.5 - 3.0
VCPA (E3-35) - EPA (E3-34)	L-R ↔ BR-Y	IG switch ON	4.5 - 5.5
VPTK (E3-27) - EPTK (E3-26)	O ↔ LG-R	IG switch ON	4.5 - 5.5
THA (E5-32) - ETHA (E5-31)	P-L ↔ BR	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E5-24) - ETHW (E5-25)	R-L ↔ BR	Idling, water temp. 80°C (176°F)	0.2 - 1.0
STA (E4-12) - E1 (E7-7)	L-O ↔ BR	Shift lever position P or N position, ignition switch START	6.0 or more
#1 (E6-15) - E01 (E5-2)	L ↔ W-B	IG switch ON	9 - 14
#2 (E5-17) - E01 (E5-2)	W ↔ W-B		
#3 (E6-14) - E01 (E5-2)	G-Y ↔ W-B		
#4 (E5-16) - E01 (E5-2)	G ↔ W-B		
#5 (E6-13) - E01 (E5-2)	G ↔ W-B		
#6 (E5-15) - E01 (E5-2)	BR ↔ W-B		
#7 (E6-12) - E01 (E5-2)	BR ↔ W-B		
#8 (E5-14) - E01 (E5-2)	Y-B ↔ W-B		

DIAGNOSTICS - ENGINE

IGT1 (E6-17) - E1 (E7-7) IGT2 (E5-18) - E1 (E7-7) IGT3 (E6-18) - E1 (E7-7) IGT4 (E5-18) - E1 (E7-7) IGT5 (E6-27) - E1 (E7-7) IGT6 (E5-11) - E1 (E7-7) IGT7 (E6-26) - E1 (E7-7) IGT8 (E5-10) - E1 (E7-7)	G-W ↔ BR L-R ↔ BR L-Y ↔ BR LG ↔ BR R ↔ BR R-L ↔ BR P-L ↔ BR B-W ↔ BR	Idling	Pulse generation (See page DI-118)
IF1L (E5-6) - E1 (E7-7) IF2L (E5-4) - E1 (E7-7) IF1R (E5-7) - E1 (E7-7) IF2R (E5-5) - E1 (E7-7)	LG ↔ BR G-B ↔ BR G ↔ BR L-B ↔ BR	IG switch ON Idling	4.5 - 5.5 Pulse generation (See page DI-118)
G2 (E6-29) - G2 - (E6-28) NE+ (E6-31) - NE- (E6-32)	L ↔ Y B ↔ W	Idling	Pulse generation (See page DI-84)
MREL (E4-19) - E1 (E7-7)	P-B ↔ BR	IG switch ON	9 - 14
FPR (E4-18) - E01 (E5-2)	Y ↔ BR	IG switch ON	0 - 3.0
FC (E4-18) - E01 (E5-2)	G-B ↔ BR	IG switch ON	9 - 14
STP (E3-4) - E1 (E7-7)	G-O ↔ BR	Brake pedal is depressed	7.5 - 14
		Brake pedal is released	Below 1.5
PRG (E6-11) - E01 (E5-2)	G-B ↔ BR	IG switch ON	9 - 14
OXL1 (E7-28)* - E1 (E7-7) OXL2 (E3-28)* - E1 (E7-7) OXR1 (E5-28)* - E1 (E7-7) OXR2 (E3-17)* - E1 (E7-7)	B ↔ BR B ↔ BR W ↔ BR W ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (See page DI-89)
HTL (E7-9)* - E03 (E7-4) HTL2 (E3-7)* - E03 (E7-4) HTR (E5-30)* - E03 (E7-4) HTR2 (E3-8)* - E03 (E7-4)	L-Y ↔ BR B-W ↔ BR G-Y ↔ BR GR ↔ BR	Idling	Below 3.0
		IG switch ON	9 - 14
KNKL (E7-1) - E1 (E7-7)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-79)
KNKR (E7-2) - E1 (E7-7)	W ↔ BR		
TC (E3-3) - E1 (E7-7)	P-B ↔ BR	IG switch ON	9 - 14
W (E3-2) - E1 (E7-7)	Y-R ↔ BR	Idling	9 - 14
		IG switch ON	Below 3.0
ACMG (E4-16) - E1 (E7-7)	W ↔ BR	A/C switch ON (At Idling)	Below 3.0
		A/C switch OFF	9 - 14
ENG+ (E3-19) - ENG- (E3-30) TRC+ (E3-18) - TRC- (E3-29)	P ↔ V R ↔ G	Idling	Pulse generation
VVL+ (E6-18) - VVL- (E6-19)	R ↔ G	Idling	Pulse generation (See page DI-125)
VVR+ (E5-19) - VVR- (E5-18)	Y ↔ L		
OCV+ (E6-6) - OCV- (E6-5) OCR+ (E5-9) - OCR- (E5-8)	L-Y ↔ G-W L-W ↔ L-B	IG switch ON	Pulse generation (See page DI-129)
		IG switch ON	9 - 14
ACIS (E5-21) - E01 (E5-2)	L-W ↔ W-B	IG switch ON	9 - 14
		Engine speed between 2,500 rpm and 4,000 rpm	Below 3.0
M+ (E6-3) - ME01 (E5-3) M- (E6-2) - ME01 (E5-3)	B ↔ BR W ↔ BR	Idling	Pulse generation (See page DI-107)

SIL (E4-26) - E1 (E7-7)	W-G ↔ BR	During transmission	Pulse generation
SP2+ (E7-23) - SP2- (E7-22)	G ↔ R	Vehicle is driving	Pulse generation (See page DI-95)

*: LHD Unleaded Gasoline Type, RHD Europe