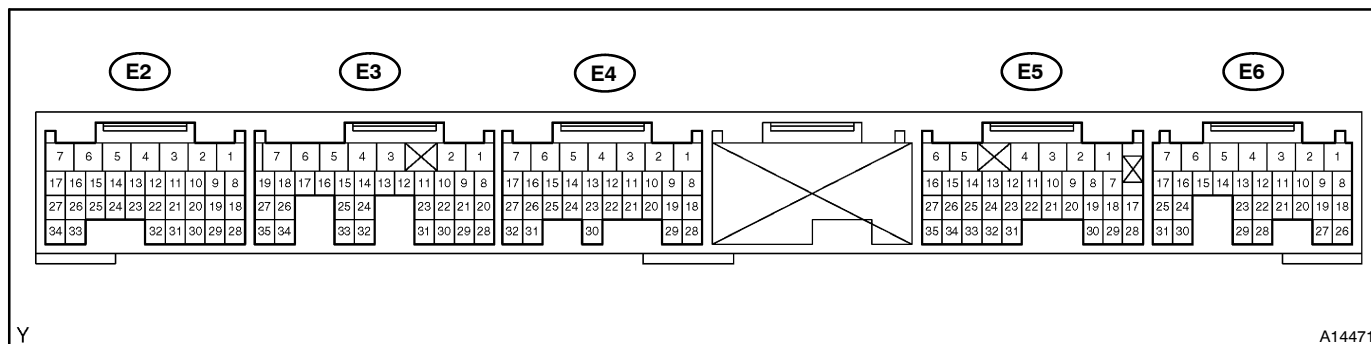


TERMINALS OF ECU



Symbols (Terminals 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		
+B1 (E6-5) - E1 (E3-7)	B-R ↔ BR		
VC (E2-23) - ETA (E2-22)	L-R ↔ BR	IG switch ON	4.5 - 5.5
VTA (E2-25) - ETA (E2-22)	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 (E2-24) - ETA (E2-22)	B ↔ BR	IG switch ON, Accelerator pedal fully closed	2.0 - 2.9
		IG switch ON, Accelerator pedal fully open	4.6 - 5.1
VCPA (E5-35) - EPA (E5-34)	B ↔ BR	IG switch ON	4.5 - 5.5
VPTK (E5-27) - EPTK (E5-26)	L-R ↔ BR	IG switch ON	4.5 - 5.5
VPA (E5-33) - EPTK (E5-26)	L ↔ BR	IG switch ON Accelerator pedal fully closed	0.3 - 0.9
		IG switch ON Accelerator pedal fully open	3.2 - 4.8
VPA2 (E5-32) - EPA (E5-34)	B ↔ BR	IG switch ON Accelerator pedal fully closed	1.8 - 2.7
		IG switch ON Accelerator pedal fully open	4.7 - 5.1
VG (E4-27) - EVG (E4-26)	L-Y ↔ G-W	Idling, P or N position, A/C switch OFF	0.5 - 3.0
THA (E4-32) - ETHA (E4-31)	P-L ↔ BR	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E4-24) - ETHW (E4-25)	R-L ↔ BR	Idling, water 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	6.0 or more
#1 (E2-15) - E01 (E4-2)	L ↔ W-B	IG switch ON	9 - 14
#2 (E4-17) - E01 (E4-2)	W ↔ W-B		
#3 (E2-14) - E01 (E4-2)	W ↔ W-B	Idling	Pulse generation (See page DI-134)
#4 (E4-16) - E01 (E4-2)	G ↔ W-B		
#5 (E2-13) - E01 (E4-2)	G ↔ W-B		
#6 (E4-15) - E01 (E4-2)	BR ↔ W-B		
#7 (E2-12) - E01 (E4-2)	BR ↔ W-B		
#8 (E4-14) - E01 (E4-2)	L ↔ W-B		

DIAGNOSTICS - ENGINE (3UZ-FE)

IGT1 (E2-17) - E1 (E3-7) IGT2 (E4-13) - E1 (E3-7) IGT3 (E2-16) - E1 (E3-7) IGT4 (E4-12) - E1 (E3-7) IGT5 (E2-27) - E1 (E3-7) IGT6 (E4-11) - E1 (E3-7) IGT7 (E2-26) - E1 (E3-7) IGT8 (E4-10) - E1 (E3-7)	G-W ↔ BR L-R ↔ BR L ↔ BR R ↔ BR G ↔ BR R-L ↔ BR P-L ↔ BR B-W ↔ BR	Idling	Pulse generation (See page DI-171)
IF1L (E4-6) - E1 (E3-7) IF2L (E4-4) - E1 (E3-7) IF1R (E4-7) - E1 (E3-7) IF2R (E4-5) - E1 (E3-7)	LG ↔ BR G-B ↔ BR G ↔ BR L-B ↔ BR	IG switch ON	4.5 - 5.5
		Idling	Pulse generation (See page DI-171)
G2 (E2-29) - G2 - (E2-28)	L ↔ Y	Idling	Pulse generation (See page DI-174)
NE+ (E2-31) - NE- (E2-32)	R ↔ G		
MREL (E6-13) - E1 (E3-7)	B-Y ↔ BR	IG switch ON	9 - 14
DI (E6-15) - E1 (E3-7)	B-R ↔ BR	IG switch ON	0 - 3.0
FPC (E6-14) - E1 (E3-7)	B-L ↔ BR	IG switch ON	9 - 14
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) - E1 (E3-7)	G-B ↔ BR	IG switch ON	9 - 14
OXL1 (E3-28) - E1 (E3-7) OXL2 (E5-28) - E1 (E3-7) OXR1 (E4-28) - E1 (E3-7) OXR2 (E5-17) - E1 (E3-7)	B ↔ BR W ↔ BR W ↔ BR R ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (See page DI-178)
HTL (E3-9) - E1 (E3-7) HTL2 (E5-7) - E1 (E3-7) HTR (E4-30) - E1 (E3-7) HTR2 (E5-8) - E1 (E3-7)	L-Y ↔ BR GR ↔ BR G-Y ↔ BR GR-B ↔ BR	Idling	Below 3.0
		IG switch ON	9 - 14
KNKL (E3-1) - E1 (E3-7)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-170)
KNKR (E3-2) - E1 (E3-7)	W ↔ BR		
TC (E5-3) - E1 (E3-7)	P-B ↔ BR	IG switch ON	9 - 14
W (E5-2) - E1 (E3-7)	GR-R ↔ BR	Idling	9 - 14
		IG switch ON	Below 3.0
ACMG (E6-16) - E1 (E3-7)	L-O ↔ BR	A/C switch ON (At Idling)	Below 3.0
		A/C switch OFF	9 - 14
ENG+ (E5-19) - ENG- (E5-30) TRC+ (E5-18) - TRC- (E5-29)	LG ↔ L P ↔ V	Idling	Pulse generation
VVL+ (E2-18) - VVL- (E2-19)	R ↔ G	Idling	Pulse generation (See page DI-178)
VVR+ (E4-19) - VVR- (E4-18)	Y ↔ L		
OCV+ (E2-6) - OCV- (E2-5)	L-Y ↔ G-W	IG switch ON	Pulse generation (See page DI-182)
OCR+ (E4-9) - OCR- (E4-8)	L-W ↔ L-B		
ACIS (E4-21) - E01 (E3-2)	L-W ↔ W-B	IG switch ON	9 - 14
		Engine speed between 2,500 rpm and 4,000 rpm	Below 3.0

M+ (E2-3) - E1 (E3-7) M- (E2-2) - E1 (E3-7)	L ↔ BR Y ↔ BR	Idling	Pulse generation (See page DI-154)
ST1- (E6-8) - E1 (E3-7)	B-L ↔ BR	IG switch ON, Brake pedal is depressed	Below 1.5
		IG switch ON, Brake pedal is released	7.5 - 14
SIL (E6-26) - E1 (E3-7)	W-G ↔ BR	During transmission	Pulse generation
SP2+ (E3-23) - SP2- (E3-22)	G ↔ R	Vehicle is driving	Pulse generation (See page DI-154)