TERMINALS OF ECU
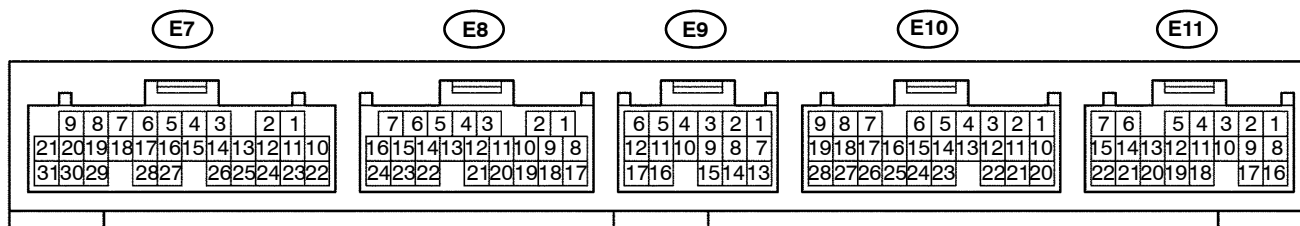
DI3OU–01

Engine ECU Terminals

A02508   A04997

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E11–1) – E1 (E8–17)	B–R ↔ BR	Always	9 ~ 14
+BM (E11–7) – E1 (E8–17)	Y–B ↔ BR		
IGSW (E 11–9) – E1 (E8–17)	B–R ↔ BR	IG switch ON	9 ~ 14
+B (E 11–16) – E1 (E8–17)	B–Y ↔ BR		
+B1 (E11–8) – E1 (E8–17)	B–Y ↔ BR		
MREL (E 11–10) – E1 (E8–17)	B–W	IG switch ON	9 ~ 14
VC (E8 –2) – E2 (E8 –18)	L–R ↔ BR–W	IG switch ON	4.5 ~ 5.5
VG (E8 –10) – EVG (E8 –19)	L–Y ↔ G–W	Idling, P or N position, A/C switch OFF	0.5 ~ 3.0
THA (E8 –22) – E2 (E8 –18)	Y–B ↔ BR–W	Idling, Intake air temp. 20 °C (68 °F)	0.5 ~ 3.4
THW (E8 –14) – E2 (E8 –18)	G–B ↔ BR–W	Idling, Water temp. 80 °C (176 °F)	0.2 ~ 1.0
VTA (E8 –13) – E2 (E8 –18)	R–Y ↔ BR–W	IG switch ON Accelerator pedal released	0.4 ~ 1.0
		IG switch ON Accelerator pedal depressed	3.2 ~ 4.8
VTA2 (E8 –20) – E2 (E8 –18)	Y–B ↔ BR–W	IG switch ON Accelerator pedal released	2.0 ~ 2.9
		IG switch ON Accelerator pedal depressed	4.7 ~ 5.1
VPA (E8 –21) – E2 (E8 –18)	R ↔ BR–W	IG switch ON Accelerator pedal released	0.3 ~ 0.9
		IG switch ON Accelerator pedal depressed	3.2 ~ 4.8
VPA2 (E8 –9) – E2 (E8 –18)	R-B ↔ BR–W	IG switch ON Accelerator pedal released	1.8 ~ 2.7
		IG switch ON Accelerator pedal depressed	4.7 ~ 5.1
OXL1 (E8–12)* – E1 (E8–17) OXL2 (E 10–18)* – E1 (E8–17) OXR1 (E8–11)* – E1 (E8–17) OXR2 (E 10–27)* – 1 (E8–17)	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–51)
HTL (E8 –4)* – E1 (E8–17) HTL2 (E10–8)* – E1 (E8–17)	R ↔ BR L ↔ BR	Idling	Below 3.0
HTR (E8 –3)* – E1 (E8–17) HTR2 (E 10–7)* – E1 (E8–17)	Y ↔ BR R–B ↔ BR	IG switch ON	9 ~ 14

*: Only for Europe

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
#1 (E8–5) – E01 (E7–21) #2 (E8–6) – E01 (E7–21) #3 (E7–1) – E01 (E7–21)	Y ⇔ W–B B ⇔ W–B L ⇔ W–B	IG switch ON	9 ~ 14
#4 (E7 –2) – E01 (E7–21) #5 (E7 –3) – E01 (E7–21) #6 (E7 –4) – E01 (E7–21) #7 (E7 –5) – E01 (E7–21) #8 (E7 –6) – E01 (E7–21)	R ⇔ W–B G ⇔ W–B R–L ⇔ W–B W ⇔ W–B B–W ⇔ W–B	Idling	Pulse generation (See page DI–120)
KNKL (E7 –18) – E1 (E8–17)	B ⇔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI–67)
KNKR (E7 –17) – E1 (E8–17)	W ⇔ BR		
G2 (E7 –10) – NE– (E7–22)	R ⇔ G	Idling	Pulse generation (See page DI–72)
NE+ (E7 –23) – NE– (E7–22)	L ⇔ G		
PRG (E8 –7) – E1 (E8–17)	L–B ⇔ BR	IG switch ON	9 ~ 14
SPD (E 10–15) – E1 (E8–17)	V ⇔ BR	IG switch ON Rotate driving wheel slowly	Pulse generation (See page DI–77)
CL+ (E7 –29) – CL– (E7–24)	G ⇔ L	Idling	Pulse generation (See page DI–88)
M+ (E7 –8) – E1 (E8–17) M– (E7–7) – E1 (E8–17)	R ⇔ BR W ⇔ BR	Idling	Pulse generation (See page DI–85)
DI (E 11–4)*1 – E1 (E8–17)	G–W ⇔ BR	IG switch ON	9 ~ 14
FPC (E 11–5)*1 – E1 (E8–17)	G–R ⇔ BR	IG switch ON	0 ~ 3.0
FPR (E 11–4)*2 – E1 (E8–17)	G–W ⇔ BR	IG switch ON	0 ~ 3.0
FC (E 11–5)*2 – E1 (E8–17)	B–W ⇔ BR	IG switch ON	9 ~ 14
IGT1 (E7–11) – E1 (E8–17) IGT2 (E7 –12) – E1 (E8–17) IGT3 (E7 –13) – E1 (E8–17) IGT4 (E7 –14) – E1 (E8–17) IGT5 (E7 –15) – E1 (E8–17) IGT6 (E7 –16) – E1 (E8–17) IGT7 (E7 –25) – E1 (E8–17) IGT8 (E7 –26) – E1 (E8–17)	B ⇔ BR R ⇔ BR L ⇔ BR G ⇔ BR Y ⇔ BR B–Y ⇔ BR B–L ⇔ BR L–B ⇔ BR	Idling	Pulse generation (See page DI–103)
IGF1 (E7–27) – E1 (E8–17) IGF2 (E7 –28) – E1 (E8–17)	B–W ⇔ BR B–R ⇔ BR	IG switch ON	4.5 ~ 5.5
		Idling	Pulse generation (See page DI–103)
STP (E 10–6) – E1 (E8–17)	G–W ⇔ BR	Brake pedal is depressed	7.5 ~ 14
		Brake pedal is released	Below 1.5
STA (E 10–17) – E1 (E8–17)	B–R *3 ⇔ BR B–W *4 ⇔ BR	Shift lever position P or N position, ignition switch START	6.0 or more
NSW (E 10–20)*3 – E1 (E8–17)	B–W ⇔ BR	IG switch ON Other shift position in ”P” ,”N” position	9 ~ 14
		IG switch ON Shift position in ”P” ,”N” position	0 ~ 3.0
W (E11–6) – E1 (E8–17)	W ⇔ BR	Idling	9 ~ 14
		IG switch ON	Below 3.0

*1: Only for Europe

*2: Except Europe

*3: Except M/T (LHD)

*4: Only for M/T(LHD)

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
ACT (E⁻10–13) – E1 (E8–17)	L–B ↔ BR	A/C switch OFF	Below 3.0
		A/C switch ON at idling	9 ~ 14
A/C (E⁻10–25) – E1 (E8–17)	W–G ↔ BR	A/C switch ON at idling	Below 3.0
		A/C switch OFF	7.5 ~ 14
ST1– (E11–19) – E1 (E8–17)	R–G ↔ BR	IG switch ON, Brake pedal is depressed	Below 1.5
		IG switch ON, Brake pedal is released	7.5 ~ 14
SIL (E 11–11) – E1 (E8–17)	V–W ↔ BR	During transmission	Pulse generation
ELS (E⁻10–12) – E1 (E8–17)	G–W ↔ BR	Taillight switch ON, Defogger switch ON	7.5 ~ 14
		Taillight switch OFF, Defogger switch OFF	0 ~ 1.5
TACH (E 10–16) – E1 (E8–17)	B ↔ BR	Idling	Pulse generation
KSW (E⁻11–20) – E1 (E8–17)	R–B ↔ BR	At the time of inserting the key	Below 1.5
		In the condition without the key inserted	4 ~ 5
RXCK (E 11–13) – E1 (E8–17)	V–G ↔ BR	At the time of inserting the key	Pulse generation
CODE (E 11–12) – E1 (E8–17)	L–B ↔ BR	At the time of inserting the key	Pulse generation
TXCT (E 11–14) – E1 (E8–17)	R–Y ↔ BR	At the time of inserting the key	Pulse generation