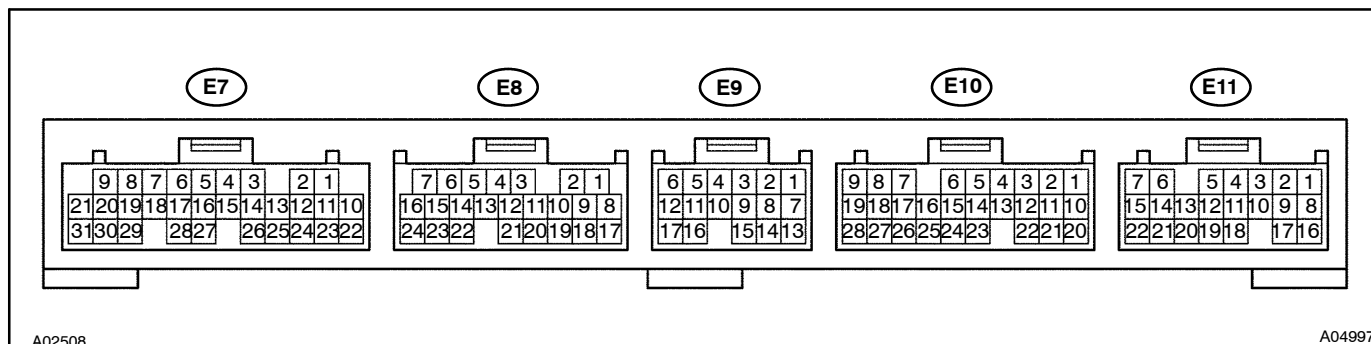# TERMINALS OF ECU

DI3OU–03

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 (E11–9) – E1 (E8–17)	B–R ↔ BR	IG switch ON	9 – 14
+B (E11–16) – E1 (E8–17)	B–Y ↔ BR		
+B1 (E11–8) – E1 (E8–17)	B–Y ↔ BR		
MREL (E11–5)*3 – E1 (E8–17) MREL (E11–10)*4 – E1 (E8–17)	B–W ↔ BR	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)*1 – E1 (E8–17)	B ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (★)
OXL1 (E8–12)*3 – E1 (E8–17)	B ↔ BR		
OXL2 (E10–18)*1 – E1 (E8–17)	B ↔ BR		
OXL2 (E10–16)*3 – E1 (E8–17)	B ↔ BR		
OXR1 (E8–11)*1 – E1 (E8–17)	W ↔ BR		
OXR1 (E8–11)*3 – E1 (E8–17)	W ↔ BR		
OXR2 (E10–27)*1 – 1 (E8–17)	W ↔ BR		
OXR2 (E10–15)*3 – 1 (E8–17)	W ↔ BR		

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
HTL (E8–4)*1 – E1 (E8–17) HTL (E8–5)*3 – E1 (E8–17) HTL2 (E8–24)*3 – E1 (E8–17) HTL2 (E10–8)*2 – E1 (E8–17) HTR (E8–3) – E1 (E8–17) HTR2 (E10–7)*2 – E1 (E8–17) HTR2 (E10–23)*3 – E1 (E8–17)	R ↔ BR R ↔ BR L ↔ BR L ↔ BR Y ↔ BR R–B ↔ BR R–B ↔ BR	IG switch ON	9 – 14
#1 (E8–5) – E01 (E7–21) #2 (E8–6) – E01 (E7–21) #3 (E7–1) – E01 (E7–21) #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)	Y ↔ W–B B ↔ W–B L ↔ W–B R ↔ W–B G ↔ W–B R–L ↔ W–B W ↔ W–B B–W ↔ W–B	IG switch ON	9 – 14
		Idling	Pulse generation (★)
KNKL (E7–18) – E1 (E8–17)	B ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (★)
KNKR (E7–17) – E1 (E8–17)	W ↔ BR		
G2 (E7–10)*3 – G– (E7–24)*3 G2 (E7–10)*4 – NE– (E7–22)*4	R ↔ G	Idling	Pulse generation (★)
NE+ (E7–23) – NE– (E7–22)	L ↔ G		
PRG (E8–7) – E1 (E8–17)	L–B ↔ BR	IG switch ON	9 – 14
SPD (E10–15)*2 – E1 (E8–17) SPD (E10–5)*3 – E1 (E8–17)	V ↔ BR	IG switch ON Rotate driving wheel slowly	Pulse generation (★)
CL+ (E7–29) – CL– (E7–24)*2 CL+ (E7–29) – CL– (E7–19)*3	G ↔ L	Idling	Pulse generation (★)
M+ (E7–8) – E1 (E8–17) M– (E7–7) – E1 (E8–17)	R ↔ BR W ↔ BR	Idling	Pulse generation (★)
DI (E11–4)*1 – E1 (E8–17)	G–R ↔ BR	IG switch ON	9 – 14
FPC (E11–5)*2 – E1 (E8–17) FPC (E11–6)*3 – E1 (E8–17)	G–W ↔ BR	IG switch ON	0 – 3.0
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 (★)
IGF1 (E7–27) – E1 (E8–17) IGF2 (E7–28) – E1 (E8–17)	B–W ↔ BR	IG switch ON	4.5 – 5.5
		Idling	Pulse generation (★)
STP (E11–15)*3 – E1 (E8–17) STP (E10–6)*4 – E1 (E8–17)	G–W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
STA (E10–7)*3 – E1 (E8–17) STA (E10–17)*4 – E1 (E8–17)	B–R ↔ BR	Shift lever position P or N position, ignition switch START	6.0 or more
NSW (E11–2)*3, *5 – E1 (E8–17)	B–W ↔ BR	IG switch ON Other shift position in "P" ,"N" position	9 – 14
NSW (E10–20)*4,*5 – E1 (E8–17)		IG switch ON Shift position in "P" ,"N" position	0 – 3.0
W (E10–23)*3 – E1 (E8–17) W (E11–6)*4 – E1 (E8–17)	W ↔ BR	Idling	9 – 14
		IG switch ON	Below 3.0

2UZ–FE ENGINE SUP   (RM895E)

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
ACT (E11−22)*3 − E1 (E8−17) ACT (E10−13)*4 − E1 (E8−17)	L−B ↔ BR	A/C switch OFF	Below 3.0
		A/C switch ON at idling	9 – 14
AC1 (E11−21)*3 − E1 (E8−17) A/C (E10−25)*4 − E1 (E8−17)	W−G ↔ BR	A/C switch ON at idling	Below 3.0
		A/C switch OFF	7.5 – 14
ST1− (E11−10) − 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 (E11−17)*3 − E1 (E8−17) SIL (E11−11)*4 − E1 (E8−17)	V−W ↔ BR	During transmission	Pulse generation
ELS (E10−12) − 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 (E10−4)*3 − E1 (E8−17) TACH (E10−16)*4 − E1 (E8−17)	B ↔ BR	Idling	Pulse generation
KSW (E11−11)*3 − E1 (E8−17) KSW (E11−20)*4 − 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 (E11−13) − E1 (E8−17)	V−G ↔ BR	At the time of inserting the key	Pulse generation
CODE (E11−14)*3 − E1 (E8−17) CODE (E11−12)*4 − E1 (E8−17)	L−B ↔ BR	At the time of inserting the key	Pulse generation
TXCT (E11−12)*3 − E1 (E8−17) TXCT (E11−14)*4 − E1 (E8−17)	R−Y ↔ BR	At the time of inserting the key	Pulse generation

*1: Only for Europe, Turkey, Russia, Saudi Arabia

*2: Only for Russia, Saudi Arabia

*3: Only for Europe, Turkey

*4: Except Europe, Turkey

*5: A/T

*6: M/T

★: See Pub. No. RM630E