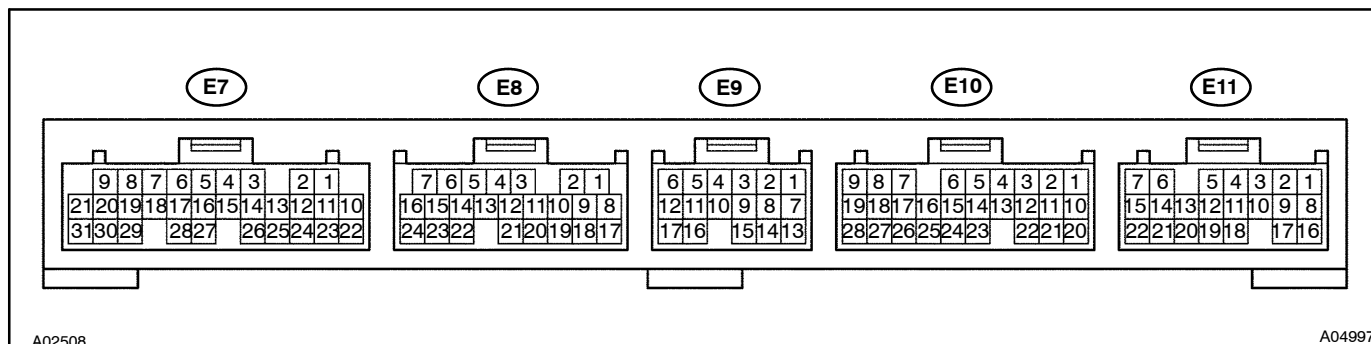


TERMINALS OF ECU



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) OXL1 (E8-12)*3 - E1 (E8-17) OXL2 (E10-18)*1 - E1 (E8-17) OXL2 (E10-16)*3 - E1 (E8-17) OXR1 (E8-11)*1 - E1 (E8-17) OXR1 (E8-11)*3 - E1 (E8-17) OXR2 (E10-27)*1 - 1 (E8-17) OXR2 (E10-15)*3 - 1 (E8-17)	B ↔ BR B ↔ BR B ↔ BR B ↔ BR W ↔ BR W ↔ BR W ↔ BR W ↔ BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (★)

DIAGNOSTICS - ENGINE

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 Idling	9 - 14 Pulse generation (★)
KNKL (E7-18) - E1 (E8-17) KNKR (E7-17) - E1 (E8-17)	B ↔ BR W ↔ BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (★)
G2 (E7-10)*3 - G- (E7-24)*3 G2 (E7-10)*4 - NE- (E7-22)*4 NE+ (E7-23) - NE- (E7-22)	R ↔ G L ↔ G	Idling	Pulse generation (★)
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 Idling	4.5 - 5.5 Pulse generation (★)
STP (E11-15)*3 - E1 (E8-17) STP (E10-6)*4 - E1 (E8-17)	G-W ↔ BR	Brake pedal is depressed Brake pedal is released	7.5 - 14 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) NSW (E10-20)*4, *5 - E1 (E8-17)	B-W ↔ BR	IG switch ON Other shift position in "P", "N" position IG switch ON Shift position in "P", "N" position	9 - 14 0 - 3.0
W (E10-23)*3 - E1 (E8-17) W (E11-6)*4 - E1 (E8-17)	W ↔ BR	Idling IG switch ON	9 - 14 Below 3.0

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
ACT (E11-22)*3 – E1 (E8-17)	L-B ↔ BR	A/C switch OFF	Below 3.0
ACT (E10-13)*4 – E1 (E8-17)		A/C switch ON at idling	9 – 14
AC1 (E11-21)*3 – E1 (E8-17)	W-G ↔ BR	A/C switch ON at idling	Below 3.0
A/C (E10-25)*4 – E1 (E8-17)		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)	R-B ↔ BR	At the time of inserting the key	Below 1.5
KSW (E11-20)*4 – E1 (E8-17)		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