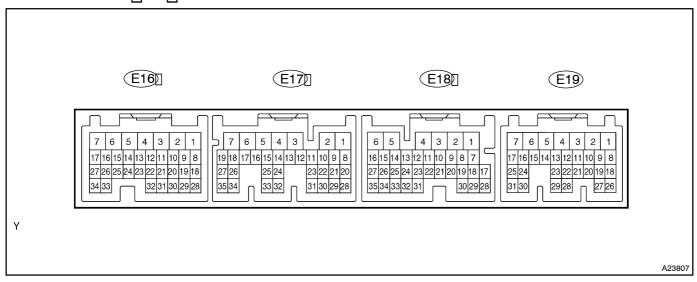
DIDY4-01

TERMINALS OF ECU



HINT:

Each regine ECU reminal's standard voltage is shown in the relable below.

In[the[table,[firstf]ollow[the[information[under]]Condition".[Look[under]]Symbols[Terminal[No.)"[for[the[terminals]]olbe[inspected.]The[standard[voltage[between[the[terminals]]s]shown[under]]STD[voltage".

Use[the[illustration[above]]as[at]]eference[for[the]]engine[ECU[terminals].

Symbols[Terminals[No.)	Wiring Color	Condition	STD[]Voltage
BATT[[E19-6] -[E1[[E16-1]]	B-R -[BR	Always	9 to 14 V
+B[[E19-1]]-[E1[[E16-1]]	B−Y −[B R	Ignition[switch[DN	9 to 14 V
VC[[E16-18]) -[E2[[E16-28]	L-R -[BR	Ignition[switch[ON	4.5[] o[5 .5[] V
VCC[[E18-33) - [E2C[[E18-34]	L-R -[BR-W	Ignition[switch[ON	4.5[] o[5 .5[] V
VA[[E18=27] -[E2C[[E18=34]	R=Y -[BR=W	Accelerator[pedal[]ully[closed	0.3[] o[0.8[] V
		Accelerator[pedal[]ully[ppened	2.9[] o[] 4.9[] V
VASCE18=35) - E2C(E18=34)	P=L -BR=W	Accelerator[pedal[]ully[closed	0.3[] o[0.8[] V
		Accelerator[pedal[]ully[ppened	2.9[] o[] 4.9[] V
IDL[[E19-15]) -[E1[[E16-1]]	LG=B -[BR	Accelerator[pedal[]ully[closed	9 to 14 V
		Accelerator[pedal[]ully[ppened	0 to <u>3</u> V
	P=L -[BR	Apply[yacuum[40[kPa[]300[mmHg, 11[36]n.Hg)	1.0[] o 1.8[] V
PIM[[E17=25) -[E2[[E16=28)		Apply[yacuum 135[kPa[[1,000[]mmHg,[39.4[]n.Hg)	2.3[1]o[3 .2[1]V
THOP[[E17=5] -[E1[[E16-1]]	GR -[BR	Engine[warmed[up,[dling	9 to 14 V
		After[]gnition[]switch[]ON,[]once[]within[]\$[]sec.	0 to <u>3</u> V
THAF* ¹ (E16-31) - (E2 (E16-28)	Y-B -[BR	Ignition[switch[DN	0.2[] o[3 .8[] V
THA[[E16-20] -[E2[[E16-28]	W-G-[BR	Idling,@airintake@emp.@°CM32°F)@o80°C(176°F)	0.5[to[3.4[V
THW[[E16-19]) -[E2[[E16-28]	G−B −[BR	Idling,[engine[coolant[emp.60°C](140°F)[to 120°C][248°F]	0.2[] o 1.0[] V
THF[[E16-29) -[E2[[E16-28)	G−R −[BR	Ignition[switch[ON[[at]engine[cold]	0.5[] o[3 .4[] V
VG* ¹ [(E17–24) –(EVG* ¹ (E17–32)	L-Y -[G-W	Idling,[A/C[switch[DFF	0.2[] o[] 4.9[] V
STA (E17-9) - E1 (E16-1)	B-R - BR	Cranking	6.0 V or more
TDC+ (E16-11) - TDC- (E16-10)	B – W	Idling	Pulse generation (See[page[DI-59)
NE+ (E16-27) - NE- (E16-34)	L – G	Idling	Pulse generation (See[page[DI-56)

SP1[[E18-30] -[£1[[E16-1]]	V -[BR	Ignition[\$witch[DN] Rotate[driving[wheel[\$lowly]	Pulse@eneration
VNT* ^{1口} E17-4) -Œ01[[E16-7)		Ignition[switch[DN	9 to 14 V
	B -[]W-B	Idling	Pulse generation (See page DI-96)
		Ignition switch ON	9 to 14 V
TCV (E16-5) - E01 (E16-7)	R-Y - W-B	Idling	Pulse generation (SeepageDI-67)
SPVD (E17-7) - E1 (E16-1)	L-Y - BR	Idling	Pulse generation (SeepageDI-82)
SPVF (E17-6) - E1 (E16-1)	L-R - BR	Idling	Pulse generation (SeepageDI-82)
		Ignition switch ON	9 to 14 V
EGR (E16 – 4) – E01 (E16–7)	R-G - W-B	Engine warmed up, idling	Pulse generation (SeepageDI-128)
DA (E40 0)	W-R - W-B	VSV for atmospheric pressure leaning OFF	9 to 14 V
PA (E16-2) - E01 (E16-7)		VSV for atmospheric pressure leaning ON	0 to 3 V
MREL (E19-8) - E01 (E16-7)	B-W - W-B	Ignition switch ON	9 to 14 V
IGSW (E19-9) - E1 (E16-1)	B-R - BR	Ignition switch ON	9 to 14 V
		A/C switch ON (at idling)	0 to 1.5 V
AC1 (E18-15) - E1 (E16-1)	W-G – BR	A/C switch OFF	9 to 14 V
		Ignition switch ON	9 to 14 V
ACT (E18-4) - E1 (E16-1)	L-B - BR	At A/C cut controlled (Driving below 30 km/h (18.6 mph), accelerator pedal fully opened for 5 sec.)	0 to 3 V
	GR – BR	Accelerator pedal fully closed	9 to 14 V
PDL (E18–16) – E1 (E16–1)		Accelerator pedal fully opened	0 to 3 V
TAC (E19-5) - E1 (E16-1)	B – BR	Idling	Pulse generation
TC (E19-11) - E1 (E16-1)	P-B - BR	Ignition switch ON	9 to 14 V
	W – BR	Check engine warning light lights up	0 to 3 V
W (E19-12) - E1 (E16-1)		Warning light other than check engine warning light lights up	9 to 14 V
DATA (E16-26) - E1 (E16-1)	LG – BR	For 0.5 sec. after ignition switch ON	Pulse generation (See page DI-11 2)
CLK (E16-33) - E1 (E16-1)	L – BR	For 0.5 sec. after ignition switch ON	Pulse generation (See[page[DI-11]])
THWO (E18-14) - E1 (E16-1)	Y-B - BR	Ignition switch ON	Pulse generation (SeepageDI-141)
LU+A (E16-15) - E1 (E16-1)	G-R - BR	Ignition switch ON	Pulse generation (SeepageDI-91)
LU-A (E16-14) - E1 (E16-1)	G-W - BR	Ignition switch ON	Pulse generation (SeepageDI-91)
LU+B (E16-13) - E1 (E16-1)	V – BR	Ignition switch ON	Pulse generation (See[page[DI-91)
LU-B (E16-12) - E1 (E16-1)	G – BR	Ignition switch ON	Pulse generation (SeepageDI-91)
EGRC (E16-21) - E1 (E16-1)	R – BR	Ignition switch ON Maintain engine speed at 1,500 rpm after warming up	0 to 3 V 9 to 14 V
VCH*2 (E18-3) - E1 (E16-1)	Y-R - BR	Heater blower switch ON	9 to 14 V
		Heater blower switch OFF	0 to 3 V

DIAGNOSTICS - ENGINE

SVR (E16-23) - E1 (E16-1)	L-W - BR	Ignition switch ON	9 to 14 V
SCV*1 (E16-9) - E1 (E16-1)	Y – BR	Ignition switch ON	9 to 14 V
NSW (E17-8) - E1 (E16-1)	B-W - BR	Ignition switch ON, shift lever P or N position	0 to 3 V
		Ignition switch ON, shift lever not in P or N position	9 to 14 V
IREL (E18-1) - E1 (E16-1)	G-Y - BR	Ignition switch ON (engine coolant temperature is 10°C (50°F) or more)	9 to 14 V
		Intake heater ON	0 to 3 V
STP (E18-19) - E1 (E16-1)	G-W - BR	Ignition switch ON, brake pedal depressed	7.5 to 14 V
		Ignition switch ON, brake pedal released	0 to 1.5 V
ST1- (E18-12) - E1 (E16-1)	R-G - BR	Ignition switch ON, brake pedal released	7.5 to 14 V
		Ignition switch ON, brake pedal depressed	0 to 1.5 V
VCT (E19-4) - E1 (E16-1)	L-B - BR	Heater blower switch ON	0 to 3 V
		Heater blower switch OFF	9 to 14 V
HSW*2 (E18-32) - E1 (E16-1)	B-L - BR	Push on power heater switch	0 to 3 V
		Push off power heater switch	9 to 14 V
FSW (E19-28) - E1 (E16-1)	R-L - BR	With shift lever in first position	9 to 14 V
		With shift lever not in first position	0 to 3 V
PS (E17-10) - E1 (E16-1)	P – BR	Idling, turn steering wheel	0 to 3 V
		Ignition switch ON	9 to14 V
SIL (E19-18) - E1 (E16-1)	V-W - BR	Connect intelligent tester II to DLC3	Pulse generation
IMI (E19-23) - E1 (E16-1)	L-B - BR	Idling	Pulse generation
IMO (E19-29) - E1 (E16-1)	L-R - BR	A few sec. after engine staring	Pulse generation

HINT:

*1: Only for Europe

*2: M/T