


STANDARD VALUE OF ECU TERMINALS

(※: A = E9, B = E10)

 Symbols (Terminals No.)	STD Voltage (V)	Condition
BATT (A33) – E1 (B69)	10 ~ 14	Always
IGSW (A1) + B (A31) – E1 (B69) + B1 (A32)	10 ~ 14	IG switch ON
VC (B41)–E2 (B65)	4.0 ~ 6.0	IG switch ON
IDL1 (B64) – E2 (B65) IDL2 (B63)	Below 1.0	IG switch ON Main or sub throttle valve fully closed.
	10 ~ 14	IG switch ON Main or sub throttle valve fully open.
VTA1 (B43) – E2 (B65) VTA2 (B42)	0.1 ~ 1.0	IG switch ON Throttle valve fully closed.
	3.0 ~ 6.0	IG switch ON Throttle valve fully open.
KS (B66) – E1 (B69)	Pulse generation (0 and 4 ~ 6)	Idling
THA (B45) – E2 (B65)	1.0 ~ 3.0	Idling, Intake air temp. 20°C (68°F).
THW (B44) – E2 (B65)	0.1 ~ 1.0	Idling, Water temp. 80°C (176°F).
STA (B77) – E1 (B69)	6.0 or more	Cranking
#10 (B20), #20 (B19) – E01 (B80) #30 (B18), #40 (B17)	10 ~ 14	IG switch ON
	Pulse generation	Idling
IGT1 (B57), IGT2 (B56) – E1 (B69)	Pulse generation (0 and 4 ~ 6)	Idling
IGF1 (B58), IGF2 (B59) – E1 (B69)	Below 1.0	IG switch ON
	Pulse generation (0 and 4 ~ 6)	Idling
G1 (B26), G2 (B25) – G1 \ominus (B6)	Pulse generation (–1.0 ~ +1.0 or higher)	Idling
NE (B27) – NE \ominus (B7)	Pulse generation (–0.8 ~ +0.8 or higher)	Idling
MREL (A24) – E1 (B69)	10 ~ 14	IG switch ON
FPC (A22) – E1 (B69)	4.2 ~ 6.0	Cranking, Sudden racing (6,000 rpm)
	Pulse generation (0 and 4 ~ 6)	Idling
DI (A21) – E1 (B69)	7.5 or more	Idling
FPU (B73) – E1 (B69)	10 ~ 14	IG switch ON
	Below 2.0	Restarting high temp.
PAG (B74) – E1 (B69)	10 ~ 14	Idling

STANDARD VALUE OF ECU TERMINALS (Cont'd)

(※ : A = (E9), B = (E10))

Symbols (Terminals No.)	STD Voltage (V)	Condition
ISC1 (B35), ISC2 (B34) ISC3 (B33), ISC4 (B32) – E1 (B69)	10 ~ 14	IG switch ON
VF1 (B29), VF2 (B28) – E1 (B69)	1.0 ~ 4.0	Maintain engine speed at 2,500 rpm for two minutes after warming up then return to idling.
OXL1 (B48), OXR1 (B47) – E1 (B69)	Pulse generation (0 ~ 1.0)	Maintain engine speed at 2,500 rpm for two minutes after warming up.
HTL1 (B71), HTR1 (B72) HTL2 (B52), HTR2 (B53) – E01 (B80)	Below 2.0	Idling
	10 ~ 14	IG switch ON
EGR1 (B39), EGR2 (B38) EGR3 (B37), EGR4 (B36) – E1 (B69)*	10 ~ 14	IG switch ON
EGR (B39) – E1 (B69)	10 ~ 14	IG switch ON
KNK1 (B50), KNK2 (B49) – E1 (B69)	Pulse generation (Frequency : 6.6 KHz)	Idling
NSW (B76) – E1 (B69)	10 ~ 14	IG switch ON Other shift position in "P", "N" ranges.
	Below 1.0	IG switch ON Shift position in "P", "N" ranges.
SPD (A2)–E1 (B69)	Pulse generation (0 and 10 ~ 14)	IG switch ON Rotate driving wheel slowly.
TE1 (A20) – E1 (B69)	10 ~ 14	IG switch ON
TE2 (A19) – E1 (B69)	10 ~ 14	IG switch ON
W (A6)–E1 (B69)	10 ~ 14	Idling
	Below 2.0	IG switch ON
AD (A11) – E1 (B69)	10 ~ 14	Idling
ODI (A12) – E1 (B69)	4.0 ~ 6.0	IG switch ON
A/C (A34) – E1 (B69)	Below 2.0	A/C switch ON (At idling)
	10 ~ 14	A/C switch OFF
ACMG (A23)–E1 (B69)	Below 2.0	A/C switch ON (At idling)
	10 ~ 14	A/C switch OFF
TR (A37) – E1 (B69)	10 ~ 14	IG switch ON
VTO1 (A40) VTO2 (A39) – E2 (B65)	Below 1.0	IG switch ON Main or sub throttle valve fully closed.
	3.0 ~ 5.5	IG switch ON Main or sub throttle valve fully open.
NEO (A38) – E1 (B69)	4.0 ~ 6.0	IG switch ON

* Only for USA specification vehicles.