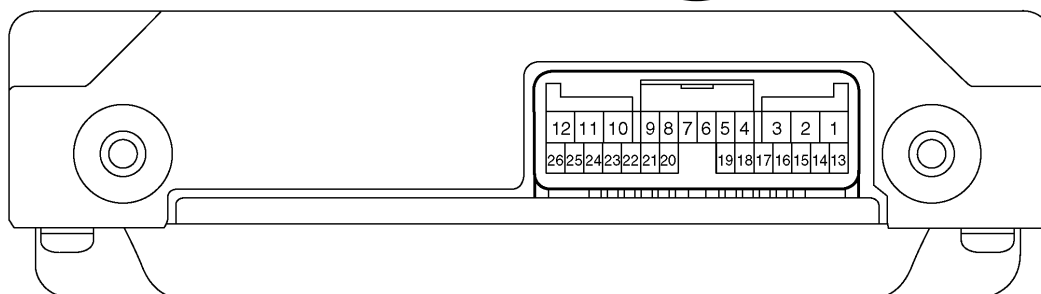


TERMINALS OF ECU

Vehicle Rear:

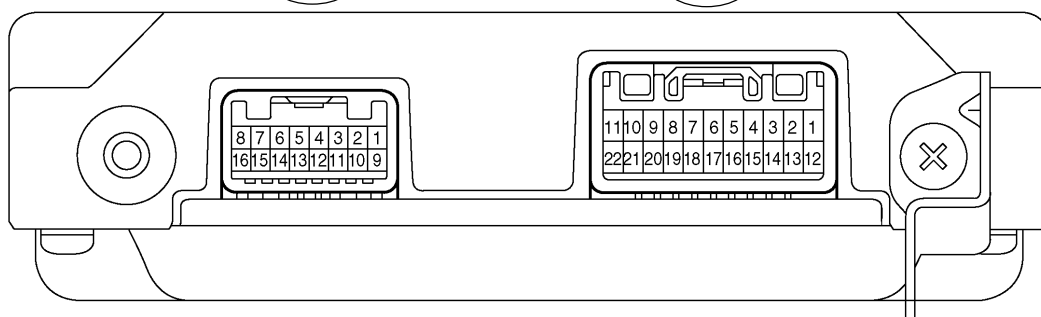
B11



Vehicle Front:

B13

B12



Y

A90442

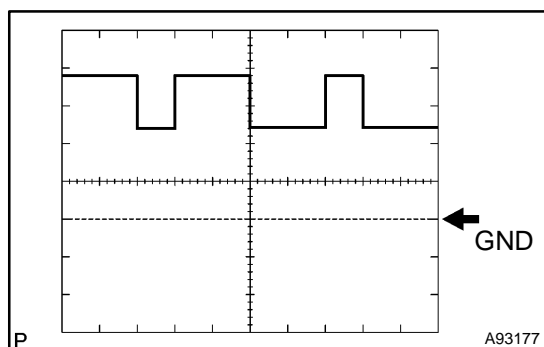
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
AM (B11 - 1) - GND (B11 - 12)	G - W-B	Auxiliary battery (for measuring the battery voltage and for the battery ECU memory)	Always	9 to 14
IGCT (B11 - 2) - GND (B11 - 12)	L - W-B	Control signal	Power switch ON (READY)	9 to 14
VM (B11 - 9) - GND (B11 - 12)	V - W-B	Battery blower motor monitoring signal	Battery blower motor mode 1 actuation (at low speed)	10 to 14
VM (B11 - 9) - GND (B11 - 12)	V - W-B	Battery blower motor monitoring signal	Battery blower motor mode 6 actuation (at high speed)	2 to 6
FCTL1 (B11 - 10) - GND (B11 - 12)	BR - W-B	Battery blower relay No. 1	Battery blower motor actuation	Below 1
IG2 (B11 - 13) - GND (B11 - 12)	O - W-B	IG signal	Power switch ON (IG)	9 to 14
CANH (B11 - 18) - GND (B11 - 12)	B - W-B	HIGH-level CAN bus line	Power switch ON (IG)	Pulse generation See waveform 1
CANL (B11 - 19) - GND (B11 - 12)	W - W-B	LOW-level CAN bus line	Power switch ON (IG)	Pulse generation See waveform 2
SI (B11 - 24) - GND (B11 - 12)	Y - W-B	Battery blower motor actuation signal	Battery blower motor modes 1 to 6 actuation	Pulse generation See waveform 3
TB1 (B13 - 1) - GB1 (B13 - 2)	W - W	HV battery temperature sensor 1	HV battery temperature: -40 to 90°C (-40 to 194°F)	4.8 to 1.0
TB2 (B13 - 3) - GB2 (B13 - 4)	B - B	HV battery temperature sensor 2	HV battery temperature: -40 to 90°C (-40 to 194°F)	4.8 to 1.0

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
TB3 (B13 - 5) - GB3 (B13 - 6)	L - L	HV battery temperature sensor 3	HV battery temperature: -40 to 90°C (-40 to 194°F)	4.8 to 1.0
TC1 (B13 - 9) - GC1 (B13 - 10)	G - G	Intake air temperature sensor	Intake air temperature: -40 to 90°C (-40 to 194°F)	4.8 to 1.0
VIB (B13 - 15) - GIB (B13 - 14)	—	Power source of battery current sensor (a specific voltage)	Power switch ON (IG)	4.5 to 5.5
IB (B13 - 16) - GIB (B13 - 14)	—	Battery current sensor	Power switch ON (READY)	0.5 to 4.5
GND (B11 - 12) - Body ground	W-B - Body ground	Ground	Always (resistance check)	Below 6 Ω

1. Oscilloscope waveforms

HINT:

The following waveforms are provided for informational purposes. Noise and fluttering waveforms have been omitted.

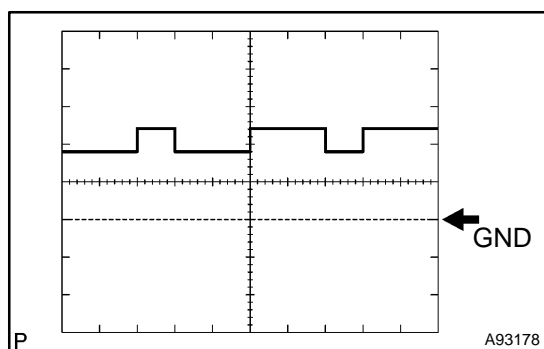


(a) Waveform 1 (HIGH-level CAN bus line)

Item	Contents
Terminal	CANH - GND
Equipment Setting	1 V/Division, 2 μ s/Division
Condition	Power switch ON (IG)

HINT:

The waveform varies depending on the contents of the communication.

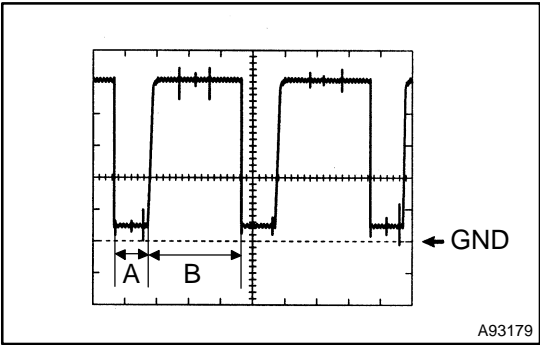


(b) Waveform 2 (LOW-level CAN bus line)

Item	Contents
Terminal	CANH - GND
Equipment Setting	1 V/Division, 2 μ s/Division
Condition	Power switch ON (IG)

HINT:

The waveform varies depending on the contents of the communication.



(c) Waveform 3 (battery blower motor actuation signal)

Item	Contents
Terminal	SI - GND
Equipment Setting	1 V/Division, 50 μ s/Division
Condition	During vehicle stop

HINT:
Amplitude A and B in the diagram vary by mode.

Mode	A	B
1	44.4 μ s	155.6 μ s
2	44.4 μ s	155.6 μ s
3	51.6 μ s	148.4 μ s
4	59.0 μ s	141.0 μ s
5	59.0 μ s	141.0 μ s
6	146.4 μ s	53.6 μ s