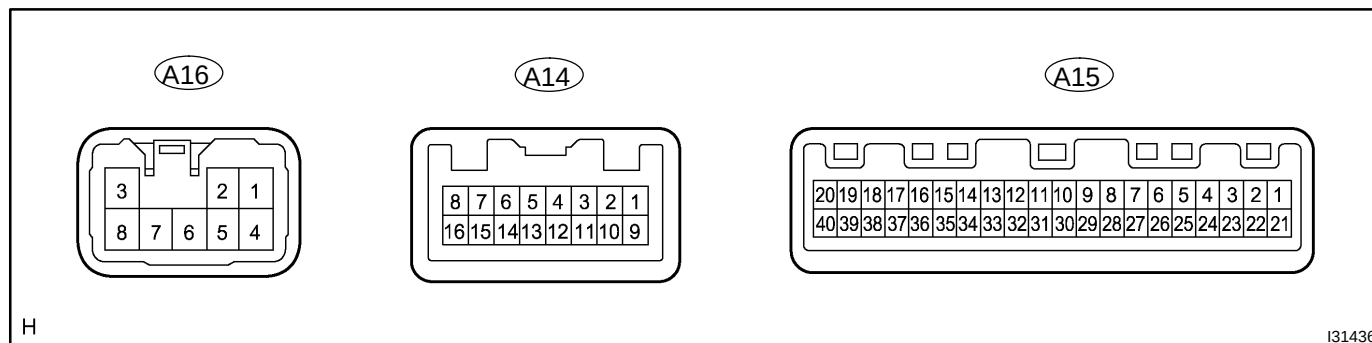


TERMINALS OF ECU

HEATER CONTROL HOUSING SUB-ASSY (A/C Amplifier)



Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
A/CS ⇔ GND (A14-2 ⇔ A15-21)	P-L ⇔ W-B	Ignition switch: ON A/C switch: OFF → ON	Below 1.0 V → 10 - 14 V
TW ⇔ GND (A14-4 ⇔ A15-21)	Y-G ⇔ W-B	Ignition switch: ON	Pulse generation
AC1 ⇔ GND (A14-6 ⇔ A15-21)	Y-B ⇔ W-B	Ignition switch: ON Magnetic clutch: OFF → ON	3.7 - 4.5 V → 1.3 - 2.6 V
A/CI ⇔ GND (A14-7 ⇔ A15-21)	B ⇔ W-B	Ignition switch: ON Magnetic clutch: OFF → ON	10 - 14 V → Below 1.0 V
LP ⇔ GND (A14-10 ⇔ A15-21)	V ⇔ W-B	During set preparation	3 - 5 V
PBEW ⇔ GND (A14-16 ⇔ A15-21)	L-Y ⇔ W-B	Seat belt warning light blinks	Below 1.0 V → 10 - 14 V
SPD ⇔ GND (A15-1 ⇔ A15-21)	V-W ⇔ W-B	Start engine and turn wheel	Pulse generation
BLW ⇔ GND (A15-2 ⇔ A15-21)	L-O ⇔ W-B	Ignition switch: ON Blower switch: ON	Pulse generation
HR ⇔ GND (A15-3 ⇔ A15-21)	L-W ⇔ W-B	Ignition switch: ON Blower switch: OFF → ON	10 - 14 V → Below 1.0 V
PSW ⇔ GND (A15-4 ⇔ A15-21)	L-B ⇔ W-B	Start engine Refrigerant pressure: Normally → Less than 196 kpa (2.0 kgf/cm ² , 28 psi) or more than 3,140 kpa (32.0 kgf/cm ² , 455 psi)	Below 1.0 V → 0
RDEF ⇔ GND (A15-5 ⇔ A15-21)	Y-G ⇔ W-B	Rear defogger switch: ON → OFF	Below 1.0 V → 10 - 14 V
TAM ⇔ SG-6 (A15-8 ⇔ A15-39)	G-R ⇔ W-B	Ignition switch: ON Ambient temp.: 25 °C (77 °F) → 40 °C (104 °F)	1.35 - 1.75 V → 0.85 - 1.25 V
TPI ⇔ SG-2 (A15-9 ⇔ A15-35)	L-R ⇔ LG-B	Ignition switch: ON R/F switch: FRESH → RECIRCULATION	1.0 V → 4.0 V
S5-1 ⇔ GND (A15-10 ⇔ A15-21)	V ⇔ W-B	Ignition switch: LOCK → ON	0 → 5.0 V
B ⇔ GND (A15-11 ⇔ A15-21)	W-R ⇔ W-B	Always	10 - 14 V
IG+ ⇔ GND (A15-12 ⇔ A15-21)	L-B ⇔ W-B	Ignition switch: LOCK → ON	0 → 10 - 14 V
AMDH ⇔ GND (A15-13 ⇔ A15-21)	B-W ⇔ W-B	Ignition switch: ON Set temp.: MAX. COOL → MAX. HOT (*1)	Below 1.0 V → 10 - 14 V
AMDC ⇔ GND (A15-14 ⇔ A15-21)	LG-R ⇔ W-B	Ignition switch: ON Set temp.: MAX. HOT → MAX. COOL (*1)	Below 1.0 V → 10 - 14 V
AMPH ⇔ GND (A15-15 ⇔ A15-21)	LG ⇔ W-B	Ignition switch: ON Set temp.: MAX. COOL → MAX. HOT (*1)	Below 1.0 V → 10 - 14 V
AMPC ⇔ GND (A15-16 ⇔ A15-21)	L-W ⇔ W-B	Ignition switch: ON Set temp.: MAX. HOT → MAX. COOL (*1)	Below 1.0 V → 10 - 14 V

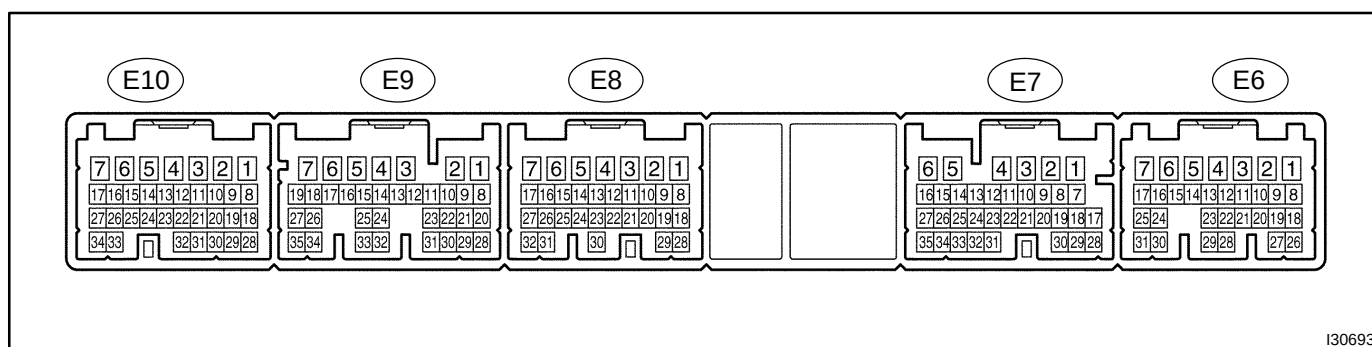
Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
AOF ⇔ GND (A15-17 ⇔ A15-21)	P ⇔ W-B	Ignition switch: ON Mode select: DEF → FACE (*1)	Below 1.0 V → 10 - 14 V
AOD ⇔ GND (A15-18 ⇔ A15-21)	O ⇔ W-B	Ignition switch: ON Set air flow setting: FACE → DEF (*1)	Below 1.0 V → 10 - 14 V
AIF ⇔ GND (A15-19 ⇔ A15-21)	L ⇔ W-B	Ignition switch: ON R/F switch: RECIRCULATION → FRESH (*1)	Below 1.0 V → 10 - 14 V
AIR ⇔ GND (A15-20 ⇔ A15-21)	R-L ⇔ W-B	Ignition switch: ON R/F switch: FRESH → RECIRCULATION (*1)	Below 1.0 V → 10 - 14 V
GND ⇔ Body ground (A15-21 ⇔ Body ground)	W-B ⇔ Body ground	Always	Continuity
TE ⇔ SG (A15-23 ⇔ A15-40)	L-W ⇔ LG-B	Evaporator temp.: 0 °C (32 °F) → 15 °C (59 °F)	2.0 - 2.4 V → 1.4 - 1.8 V
TR ⇔ SG-5 (A15-24 ⇔ A15-38)	B ⇔ LG-B	Ignition switch: ON Ambient temp.: 25 °C (77 °F) → 40 °C (104 °F)	1.8 - 2.2 V → 1.2 - 1.6 V
TSD ⇔ Body ground (A15-25 ⇔ Body ground)	V ⇔ Body ground	Ignition switch: ON Solar sensor subject to electric light	0.8 V → 3.3 V
TSP ⇔ Body ground (A15-26 ⇔ Body ground)	O ⇔ Body ground	Ignition switch: ON Solar sensor subject to electric light	0.8 V → 3.3 V
TPD ⇔ SG-3 (A15-27 ⇔ A15-36)	L-R ⇔ LG-B	Ignition switch: ON Set temp.: MAX. HOT → MAX. COOL	1.0 V → 4.0 V
TPO ⇔ SG-1 (A15-28 ⇔ A15-34)	B-Y ⇔ LG-B	Ignition switch: ON Set air flow setting :DEF → FACE	1.0 V → 4.0 V
TPP ⇔ SG-4 (A15-29 ⇔ A15-37)	B-R ⇔ L-B	Ignition switch: ON Set temp.: MAX. HOT → MAX COOL	1.0 V → 4.0 V
S5-2 ⇔ GND (A15-30 ⇔ A15-21)	V ⇔ W-B	Ignition switch: LOCK → ON	0 → 5.0 V
S5-3 ⇔ GND (A15-31 ⇔ A15-21)	V ⇔ W-B	Ignition switch: LOCK → ON	0 → 5.0 V
S5-4 ⇔ GND (A15-32 ⇔ A15-21)	G-B ⇔ W-B	Ignition switch: LOCK → ON	0 → 5.0 V
SG-1 ⇔ Body ground (A15-34 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-2 ⇔ Body ground (A15-35 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-3 ⇔ Body ground (A15-36 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-4 ⇔ Body ground (A15-37 ⇔ Body ground)	L-B ⇔ Body ground	Always	Continuity
SG-5 ⇔ Body ground (A15-38 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-6 ⇔ Body ground (A15-39 ⇔ Body ground)	B-W ⇔ Body ground	Always	Continuity
SG ⇔ Body ground (A15-40 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SHDE ⇔ Body ground (A16-1 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SHDT ⇔ SHDE (A16-2 ⇔ A16-1)	B-L ⇔ LG-B	Ignition switch: ON Temp. of seat heater sensor: 30°C (86°F) → 50°C (122°F)	2.6 - 3.0 V → 1.8 - 2.2 V
SHP+ ⇔ GND (A16-3 ⇔ A15-21)	L ⇔ W-B	Ignition switch: ON	10 - 14 V
SHPE ⇔ Body ground (A16-4 ⇔ Body ground)	B ⇔ Body ground	Always	Below 1V
SHPT ⇔ SHPE (A16-5 ⇔ A16-4)	LG ⇔ B	Ignition switch: ON Temp. of seat heater sensor: 30°C (86°F) → 50°C (122°F)	2.6 - 3.0 V → 1.8 - 2.2 V

DIAGNOSTICS - AIR CONDITIONING SYSTEM

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
SHD+ ⇔ GND (A16-6 ⇔ A15-21)	L ⇔ W-B	Ignition switch: ON	10 - 14 V
SHD- ⇔ GND (A16-7 ⇔ A15-21)	R-B ⇔ W-B	Ignition switch: ON Seat heater switch: OFF → ON	0 → 10 - 14 V
SHP- ⇔ GND (A16-8 ⇔ A15-21)	R-Y ⇔ W-B	Ignition switch: ON Seat heater switch: OFF → ON	0 → 10 - 14 V

*1: When the servomotor is it operation.

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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
HP ⇔ Body ground (E7-1 ⇔ Body ground)	BR ⇔ Body ground	Always	Continuity
ACMG ⇔ E1 (E7-3 ⇔ E8-1)	L-W ⇔ BR	Engine start A/C switch: OFF → ON	10 - 14 V → Below 1.0 V
THWO ⇔ E1 (E7-14 ⇔ E8-1)	Y-G ⇔ BR	Ignition switch: ON	Pulse generation
A/CS ⇔ E1 (E7-31 ⇔ E8-1)	P-L ⇔ BR	Engine start A/C switch: OFF → ON	Below 1.0 V → 10 - 14 V
THR ⇔ E1 (E7-32 ⇔ E8-1)	Y-B ⇔ BR	Engine start A/C switch: OFF → ON	3.7 - 4.5 V → 1.3 - 2.6 V
A/CI ⇔ E1 (E7-33 ⇔ E8-1)	B ⇔ BR	Engine start A/C switch: OFF → ON	10 - 14 V → Below 1.0 V
LCKI ⇔ E1 (E8-23 ⇔ E8-1)	W-L ⇔ BR	Engine start A/C switch: OFF → ON	Pulse generation
E1 ⇔ Body ground (E8-1 ⇔ Body ground)	BR ⇔ Body ground	Always	Continuity