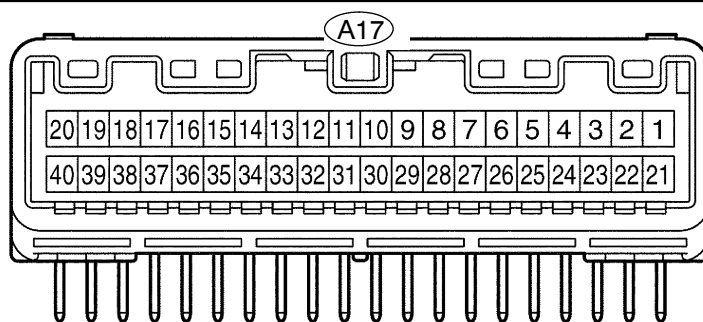


TERMINALS OF ECU

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



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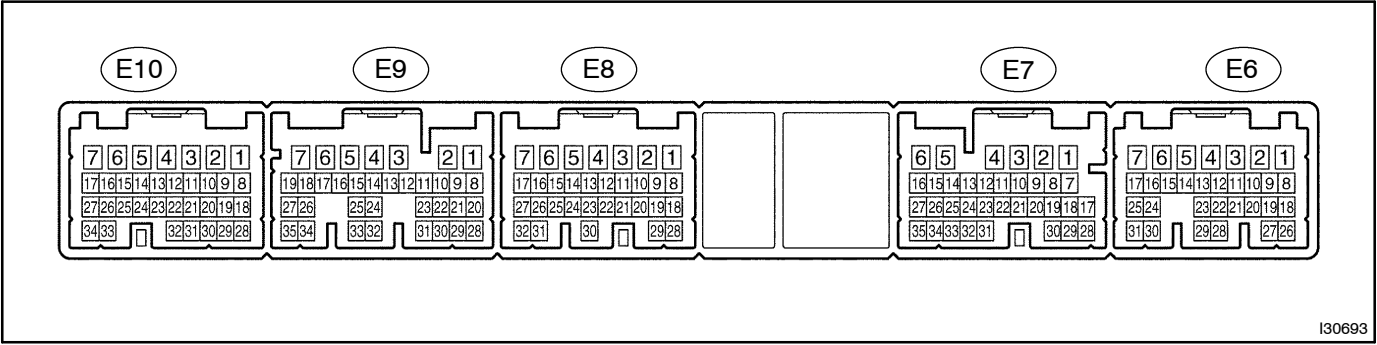
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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
GND ⇔ Body ground (A17-1 ⇔ Body ground)	W-B ⇔ Body ground	Always	Continuity
SG-1 ⇔ Body ground (A17-2 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-3 ⇔ Body ground (A17-3 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
TPO ⇔ SG-1 (A17-5 ⇔ A13-2)	B-Y ⇔ LG-B	Ignition switch: ON Set air flow setting: DEF → FACE	1.0 V → 4.0 V
TP ⇔ SG-3 (A17-6 ⇔ A13-3)	L-R ⇔ LG-B	Ignition switch: ON Set temp.: MAX. HOT → MAX. COLD	1.0 V → 4.0 V
S5-1 ⇔ GND (A17-8 ⇔ A13-1)	V ⇔ W-B	Ignition switch: LOCK → ON	0 V → 5.0 V
S5-3 ⇔ GND (A17-9 ⇔ A13-1)	V ⇔ W-B	Ignition switch: LOCK → ON	0 V → 5.0 V
AOF ⇔ GND (A17-11 ⇔ A13-1)	P ⇔ W-B	Ignition switch: ON Mode select: DEF → FACE (*1)	Below 1.0 V → 10 – 14 V
AOD ⇔ GND (A17-12 ⇔ A13-1)	O ⇔ W-B	Ignition switch: ON Set air flow setting: FACE → DEF (*1)	Below 1.0 V → 10 – 14 V
AMH ⇔ GND (A17-13 ⇔ A13-1)	B-W ⇔ W-B	Ignition switch: ON Set temp.: MAX. COLD → MAX. HOT (*1)	Below 1.0 V → 10 – 14 V
AMC ⇔ GND (A17-14 ⇔ A13-1)	LG-R ⇔ W-B	Ignition switch: ON Set temp.: MAX. HOT → MAX. COLD (*1)	Below 1.0 V → 10 – 14 V
AIR ⇔ GND (A17-15 ⇔ A13-1)	R-L ⇔ W-B	Ignition switch: ON R/F switch: FRESH → RECIRCULATION	Below 1.0 V → 10 – 14 V
AIF ⇔ GND (A17-16 ⇔ A13-1)	L ⇔ W-B	Ignition switch: ON	Pulse generation
TAM ⇔ GND (A17-17 ⇔ A13-1)	G-Y ⇔ 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
SPD ⇔ GND (A17-18 ⇔ A13-1)	V-W ⇔ W-B	Start engine and turn wheel	Pulse generation
IG+ ⇔ GND (A17-19 ⇔ A13-1)	L-B ⇔ W-B	Ignition switch: LOCK → ON	0 → 10 – 14 V
B ⇔ GND (A17-20 ⇔ A13-1)	W-R ⇔ W-B	Always	10 – 14 V
SG ⇔ Body ground (A17-21 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
SG-5 ⇔ Body ground (A17-22 ⇔ Body ground)	LG-B ⇔ Body ground	Always	Continuity
TE ⇔ SG (A17-23 ⇔ A13-21)	L-W ⇔ LG-B	Evaporator temp.: 0 °C (32 °F) → 15 °C (59 °F)	2.0 – 2.4 V → 1.4 – 1.8 V

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
TR ⇔ SG-5 (A17-24 ⇔ A13-21)	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
TS ⇔ Body ground (A17-25 ⇔ Body ground)	O ⇔ Body ground	Ignition switch: ON Solar sensor subject to electric light	0.8 – 3.3 V
PSW ⇔ GND (A17-26 ⇔ A13-1)	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)	0 → Below 1.0 V
S5 ⇔ GND (A17-28 ⇔ A13-1)	V ⇔ W-B	Ignition switch: LOCK → ON	0 → 5.0 V
RDEF ⇔ GND (A17-30 ⇔ A13-1)	Y-G ⇔ W-B	Rear defogger switch: ON → OFF	Below 1.0 V → 10 – 14 V
BLW ⇔ GND (A17-31 ⇔ A13-1)	L-O ⇔ W-B	Ignition switch: ON Blower switch: OFF → ON	5 V → Pulse generation
HR ⇔ GND (A17-32 ⇔ A13-1)	L-W ⇔ W-B	Ignition switch: ON Blower switch: OFF → ON	10 – 14 V → Below 1.0 V
LP ⇔ GND (A17-33 ⇔ A13-1)	V ⇔ W-B	During set preparation	3 – 5 V
SW1 ⇔ GND (A17-34 ⇔ A13-1)	LG-B ⇔ W-B	Hazard switch: ON → OFF	0 → Below 1.0 V
AC1 ⇔ GND (A17-36 ⇔ A13-1)	Y-B ⇔ W-B	Ignition switch: ON Magnetic clutch: OFF → ON	3.7 – 4.5 V → 1.3 – 2.6 V
TW ⇔ GND (A17-37 ⇔ A13-1)	Y-G ⇔ W-B	Ignition switch: ON	Pulse generation
A/CI ⇔ GND (A17-38 ⇔ A13-1)	B ⇔ W-B	Ignition switch: ON Magnetic clutch: OFF → ON	10 – 14 V → Below 1.0 V
A/CS ⇔ GND (A17-39 ⇔ A13-1)	P-L ⇔ W-B	Ignition switch: ON A/C switch: OFF → ON	Below 1.0 V → 10 – 14 V
ILL+ ⇔ GND (A17-40 ⇔ A13-1)	G ⇔ W-B	Turn the light control switch to TAIL position	10 – 14 V

*1: When the servomotor is in operation.

ECM



Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
PRE ⇄ 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	10 - 14 V → Below 1.0 V
THR ⇄ E1 (E7-32 ⇄ E8-1)	Y-B ⇄ BR	Engine start A/C switch: OFF → ON	10 - 14 V → Below 1.0 V
A/CI ⇄ E1 (E7-33 ⇄ E8-1)	B ⇄ BR	Engine start A/C switch: OFF → ON	10 - 14 V → Below 1.0 V
LCK1 ⇄ 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