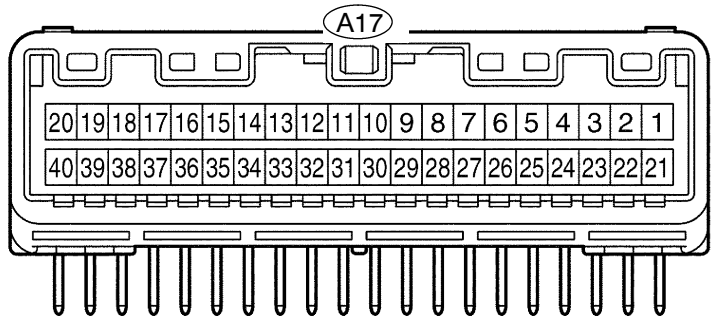
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TERMINALS OF ECU

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



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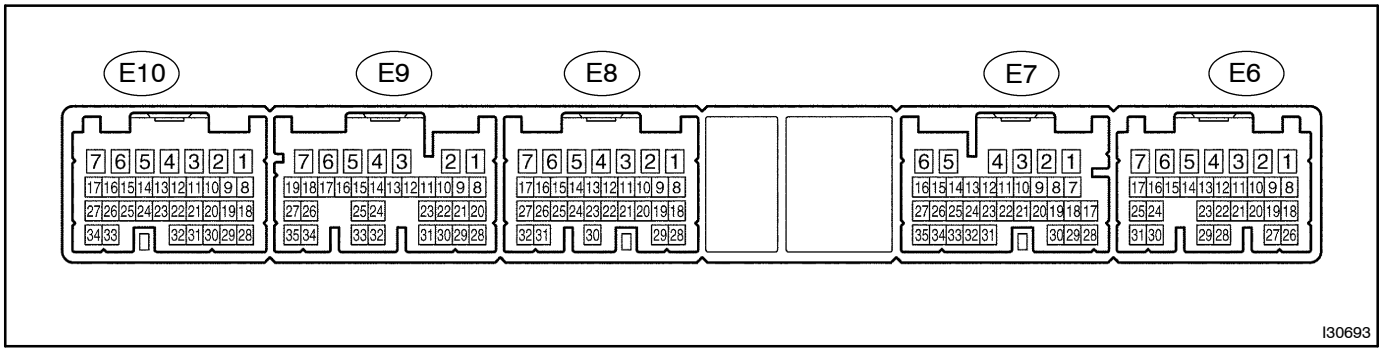
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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
GND ⇔ Body ground (A17–1 ⇔ Body ground)	W–B ⇔ Body ground	Always	Continuity
SG–1 ⇔ Body ground (A17–2 ⇔ Body ground)	LG–B ⇔ Body ground	Always	Continuity
SG–3 ⇔ Body ground (A17–3 ⇔ Body 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