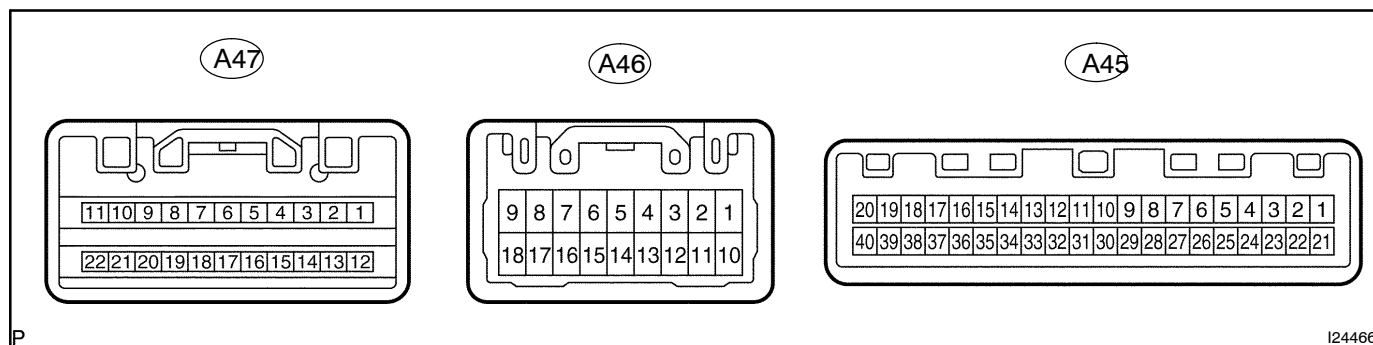


TERMINALS OF ECU

FRONT A/C AMPLIFIER



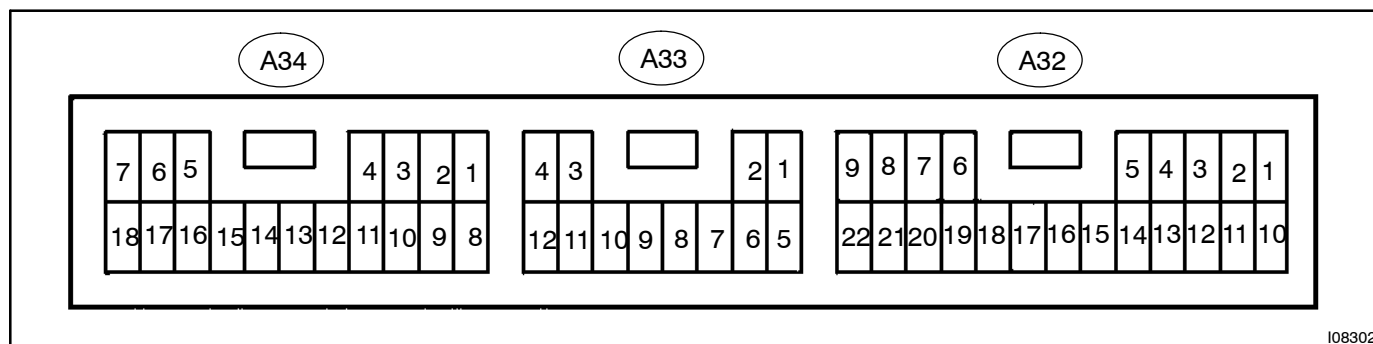
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I24466

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
AIF ↔ GND (A45-1 ↔ A47-12)	G-W ↔ W-B	IG ON. Air inlet control switch "FRESH"	Battery voltage
		IG ON. Air inlet control switch "RECIRC"	Below 1.0 V
AIR ↔ GND (A45-2 ↔ A47-12)	LG-B ↔ W-B	IG ON. Air inlet control switch "RECIRC"	Battery voltage
		IG ON. Air inlet control switch "FRESH"	Below 1.0 V
MRRHR ↔ GND (A45-6 ↔ A47-12)	R ↔ W-B	IG ON. Mirror heater switch "OFF"	Battery voltage
		IG ON. Mirror heater switch "ON"	Below 1.0 V
A/CS ↔ GND (A45-7 ↔ A47-12)	L-B ↔ W-B	Compressor does not operate	Below 1.0 V
		Compressor operate	Battery voltage
FRHR ↔ GND (A45-9 ↔ A47-12)	Y-R ↔ W-B	IG ON. Front A/C blower motor does not operate	Battery voltage
		IG ON. Front A/C blower motor operate	Below 1.0 V
RDFGR ↔ GND (A45-10 ↔ A47-12)	LG ↔ W-B	IG ON. Rear defogger switch "OFF"	Battery voltage
		IG ON. Rear defogger switch "ON"	Below 1.0 V
TEO ↔ GND (A45-11 ↔ A47-12)	P-B ↔ W-B	Compressor does not operate	Battery voltage
		Compressor operate	Below 1.0 V
DEF ↔ GND (A45-12 ↔ A47-12)	B-W ↔ W-B	IG ON. Mode control switch "Except DEF"	Battery voltage
		IG ON. Mode control switch "DEF"	Below 0.7 V
F/D ↔ GND (A45-13 ↔ A47-12)	P-L ↔ W-B	IG ON. Mode control switch "Except FOOT/DEF"	Battery voltage
		IG ON. Mode control switch "FOOT/DEF"	Below 0.7 V
FOOT ↔ GND (A45-14 ↔ A47-12)	W ↔ W-B	IG ON. Mode control switch "Except FOOT/DEF"	Battery voltage
		IG ON. Mode control switch "FOOT/DEF"	Below 0.7 V
B/L ↔ GND (A45-15 ↔ A47-12)	BR-W ↔ W-B	IG ON. Mode control switch "Except BI-LEVEL"	Battery voltage
		IG ON. Mode control switch "BI-LEVEL"	Below 0.7 V
FACE ↔ GND (A45-16 ↔ A47-12)	GR ↔ W-B	IG ON. Mode control switch "Except FACE"	Battery voltage
		IG ON. Mode control switch "FACE"	Below 0.7 V
FRAMH ↔ GND (A45-21 ↔ A47-12)	P-B ↔ W-B	IG ON. Temperature control dial "MAX. WARM"	Battery voltage
		IG ON. Temperature control dial "MAX. COOL"	Below 1.0 V
FRAMC ↔ GND (A45-22 ↔ A47-12)	P-G ↔ W-B	IG ON. Temperature control dial "MAX. COOL"	Battery voltage
		IG ON. Temperature control dial "MAX. WARM"	Below 1.0 V
FRBLW ↔ GND (A45-23 ↔ A47-12)	W-R ↔ W-B	IG ON. Front A/C blower does not operate	Battery voltage
		IG ON. Front A/C blower motor operate	Below 1.0 V
HZD ↔ GND (A45-24 ↔ A47-12)	W (*1) ↔ W-B	Hazard switch "ON"	Continuity
DEFC ↔ GND (A45-27 ↔ A47-12)	R-L(*1) ↔ W-B	Diff. lock switch "ON"	Continuity

ANTU ↔ GND (A45-28 ↔ A47-12)	L-Y (*1) ↔ W-B	Push in antenna up switch	Continuity
ANTD ↔ GND (A45-29 ↔ A47-12)	L-W (*1) ↔ W-B	Push in antenna down switch	Continuity
RRMGV ↔ GND (A45-40 ↔ A47-12)	LG-R ↔ W-B	IG ON. Rear cooler switch "OFF"	Battery voltage
		IG ON. Rear cooler switch "ON"	Below 1.0 V
FRTP ↔ FRSG (A46-5 ↔ A46-18)	B-Y ↔ Y-G	IG ON. Temperature control dial "MAX. COOL"	Approx. 4.0 V
		IG ON. Temperature control dial "MAX. WARM"	Approx. 1.0 V
TAM ↔ FRSG (A46-7 ↔ A46-18)	L-Y ↔ Y-G	IG ON. Ambient temperature at 25 °C (77 °F)	1.35 – 1.75 V
TS ↔ FRSG (A46-8 ↔ A46-18)	B-Y ↔ Y-G	IG ON. Sensor subjected electric light	0.8 – 4.3V
		IG ON. Sensor covered by a cloth	Below 0.8 V
FRS5 ↔ FRSG (A46-9 ↔ A46-18)	G-R ↔ Y-G	Trun ignition switch "ON"	5.0 V
		Trun ignition switch "OFF"	No voltage
TPI ↔ FRSG (A46-14 ↔ A46-18)	L-R ↔ Y-G	IG ON. Air inlet control switch "FRESH"	Approx. 1.0 V
		IG ON. Air inlet control switch "RECIRC"	Approx. 4.0 V
FRTE ↔ FRSG (A46-16 ↔ A46-18)	GR-B ↔ Y-G	IG ON. Evaporator temperature at 15 °C (59 °F)	1.4 – 1.8 V
FRTR ↔ FRSG (A46-17 ↔ A46-18)	B ↔ Y-G	IG ON. Cabin temperature at 25 °C (77 °F)	1.8 – 2.2 V
FRSG ↔ Body ground (A46-18 ↔ Body ground)	Y-G ↔ Body ground	Always	Continuity
ALED ↔ GND (A47-4 ↔ A47-12)	G-B ↔ W-B	Compressor operate	Below 1.0 V
		Compressor does not operate	No voltage
TW ↔ GND (A47-5 ↔ A47-12)	Y-B ↔ W-B	IG ON.	Pluse
SPD ↔ GND (A47-6 ↔ A47-12)	V ↔ W-B	Turn propeller shaft slowly	Pluse
PSW ↔ GND (A47-8 ↔ A47-12)	L-W ↔ W-B	A/C refrigerant pressure: less than 0.19 MPa (2.0 kgf/cm ²) or more than 3.14 MPa (32 Kgf/cm ²)	From 10 – 14 V to below 1.0 V
ILL+ ↔ GND (A47-10 ↔ A47-12)	G ↔ W-B	IG ON. Light control switch "TAIL"	Battery voltage
		IG ON. Light control switch "OFF"	No voltage
+B ↔ GND (A47-11 ↔ A47-12)	L-W ↔ W-B	Always	Battery voltage
GND ↔ Body ground (A47-12 ↔ Body ground)	W-B ↔ Body ground	Always	Continuity
VER5 ↔ GND (A47-14 ↔ A47-12)	W-B ↔ W-B	Always	Continuity
VER4 ↔ GND (A47-15 ↔ A47-12)	W-B ↔ W-B	Always	Continuity
VER2 ↔ GND (A47-17 ↔ A47-12)	W-B ↔ W-B	Always	Continuity
VER1 ↔ Body ground (A47-18 ↔ Body ground)	W-B ↔ Body ground	Always	Continuity
ILL- ↔ GND (A47-19 ↔ A47-12)	W-G ↔ W-B	IG ON. Light control switch "TAIL"	Below 1.0 V
		IG ON. Light control switch "OFF"	No voltage
IG ↔ GND (A47-22 ↔ A47-12)	R-L ↔ W-B	IG ON. Light control switch "ON"	Battery voltage
		IG ON. Light control switch "OFF"	No voltage

*1: w/o Navigation System
REAR A/C AMPLIFIER



I08302

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
+B ↔ GND (A32-1 ↔ A32-22)	L-W ↔ W-B	Always	Battery voltage
IG1 ↔ GND (A32-2 ↔ A32-22)	B-W ↔ W-B	IG ON.	Battery voltage
VMRC ↔ GND (A32-3 ↔ A32-22)	W-L ↔ W-B	Rr FACE mode. Rr blower switch: Lo → ME → HI	7.2 → 4.2 → 0.5 V
BLWRC ↔ GND (A32-4 ↔ A32-22)	R ↔ W-B	Rr FACE mode. Fr blower switch: OFF → Lo	Below 1.0 V → 1.5 – 3.0 V
S51 ↔ SG1 (A32-5 ↔ A32-9)	R-Y ↔ Y-G	IG ON.	4.5 – 5.5 V
TPR ↔ SG1 (A32-6 ↔ A32-9)	GR-R ↔ Y-G	Rr temp. control switch: Max. COOL → Max. HOT	4.0 – 1.0 V
TER ↔ SG1 (A32-7 ↔ A32-9)	Y ↔ Y-G	Rr evaporator temp.: 0 °C (32 °F)	2.0 – 2.4 V
		Rr evaporator temp.: 15 °C (59 °F)	2.0 – 2.4 V
TINR ↔ SG1 (A32-8 ↔ A32-9)	GR-G ↔ Y-G	Rr inlet air temp.: 25 °C (77 °F)	1.5 – 1.9 V
		Rr inlet air temp.: 40 °C (104 °F)	1.2 – 1.6 V
SG1 ↔ GND (A32-9 ↔ A32-22)	Y-G ↔ W-B	Always	Continuity
MCR ↔ GND (A32-11 ↔ A32-22)	W-L ↔ W-B	Rr temp. control switch: Max. HOT → Max. COOL	Below 1.0V → Battery voltage for 16 sec.
MHR ↔ GND (A32-12 ↔ A32-22)	Y ↔ W-B	Rr temp. control switch: Max. COOL → Max. HOT	Below 1.0V → Battery voltage for 16 sec.
HRRC ↔ GND (A32-13 ↔ A32-22)	R-Y ↔ W-B	Rr FACE mode. Rr blower control switch: OFF → LO	Battery voltage → Below 1.0 V
HRRH ↔ GND (A32-14 ↔ A32-22)	L-B ↔ W-B	Rr FOOT mode. Rr blower control switch: OFF → LO	Battery voltage → Below 1.0 V
VMRH ↔ GND (A32-15 ↔ A32-22)	R-W ↔ W-B	Rr FOOT mode. Rr blower control switch: LO → ME → HI	7.2 → 4.2 → 0.5 V
BLWRH ↔ GND (A32-16 ↔ A32-22)	R-G ↔ W-B	Rr FOOT mode. Rr blower control switch: OFF → LO	Below 1.0 V → 1.5 – 3.0 V
CID ↔ GND (A32-18 ↔ A32-22)	B ↔ W-B	IG ON.	Pulse
CSD ↔ GND (A32-19 ↔ A32-22)	R ↔ W-B	IG ON.	Pulse

CLK ↔ GND (A32-20 ↔ A32-22)	G ↔ W-B	IG ON.	Pulse
GND ↔ Body ground (A32-22 ↔ Body ground)	W-B ↔ Body ground	Always	Continuity
IG2 ↔ RG (A33-1 ↔ A34-8)	L-R ↔ G-W	IG ON.	10 – 14 V
S52 ↔ SG2 (A33-4 ↔ A33-12)	Y-R ↔ G-Y	IG ON.	4.5 – 5.5 V
ILL+2 ↔ RG (A33-5 ↔ A34-8)	G ↔ W-B	IG ON. Light switch OFF → TAIL	0 → Below 1.0 V
TRR ↔ SG2 (A33-7 ↔ A33-12)	B ↔ G-Y	IG ON. Rr room temp.: 25 °C (77 °F)	1.8 – 2.2 V
		IG ON. Rr room temp.: 40 °C (104 °F)	1.2 – 1.6 V
TSETR ↔ SG2 (A33-8 ↔ A33-12)	L-O ↔ G-Y	Rr temp. control switch: Max. COOL → Max. HOT	5.0 → 0 V
SG2 ↔ SG1 (A33-12 ↔ A32-9)	G-Y ↔ Y-G	Always	Continuity
AUTO-S ↔ RG (A34-1 ↔ A34-8)	W-G ↔ G-W	Rr A/C control panel AUTO switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
OFF-S ↔ RG (A34-2 ↔ A34-8)	Y-B ↔ G-W	Rr A/C control panel OFF switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
LO-S ↔ RG (A34-3 ↔ A34-8)	GR ↔ G-W	Rr A/C control panel LO switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
ME-S ↔ RG (A34-4 ↔ A34-8)	L-Y ↔ G-W	Rr A/C control panel ME switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
AUTO-I ↔ GND (A34-5 ↔ A32-22)	L-R ↔ W-B	Rr A/C control panel switch: except AUTO → AUTO	Battery voltage → Below 1.0 V
LO-I ↔ GND (A34-6 ↔ A32-22)	L-W ↔ W-B	Rr A/C control panel switch: except LO → LO	Battery voltage → Below 1.0 V
ME-I ↔ GND (A34-7 ↔ A32-22)	L ↔ W-B	Rr A/C control panel switch: except ME → ME	Battery voltage → Below 1.0 V
RG ↔ GND (A34-8 ↔ A32-22)	G-W ↔ W-B	Always	Continuity
HI-S ↔ GND (A34-9 ↔ A32-22)	GR-R ↔ W-B	Rr A/C control panel HI switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
FACE-S ↔ GND (A34-10 ↔ A32-22)	R-L ↔ W-B	Rr A/C control panel FACE switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
B/L-S ↔ GND (A34-11 ↔ A32-22)	R-Y ↔ W-B	Rr A/C control panel B/L switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
FOOT-S ↔ GND (A34-12 ↔ A32-22)	R-G ↔ W-B	Rr A/C control panel FOOT switch: OFF → ON	Battery voltage → Below 1.0 V during pushed switch
FACE-I ↔ GND (A34-15 ↔ A32-22)	G ↔ W-B	Rr A/C control panel switch: except FACE → FACE	Battery voltage → Below 1.0 V
B/L-I ↔ GND (A34-16 ↔ A32-22)	W-G ↔ W-B	Rr A/C control panel switch: except B/L → B/L	Battery voltage → Below 1.0 V

DIAGNOSTICS - AIR CONDITIONING SYSTEM

FOOT-I ↔ GND (A34-17 ↔ A32-22)	W-R ↔ W-B	Rr A/C control panel switch: except FOOT → FOOT	Battery voltage → Below 1.0 V
HI-I ↔ GND (A34-18 ↔ A32-22)	L ↔ W-B	Rr A/C control panel switch: except HI → HI	Battery voltage → Below 1.0 V