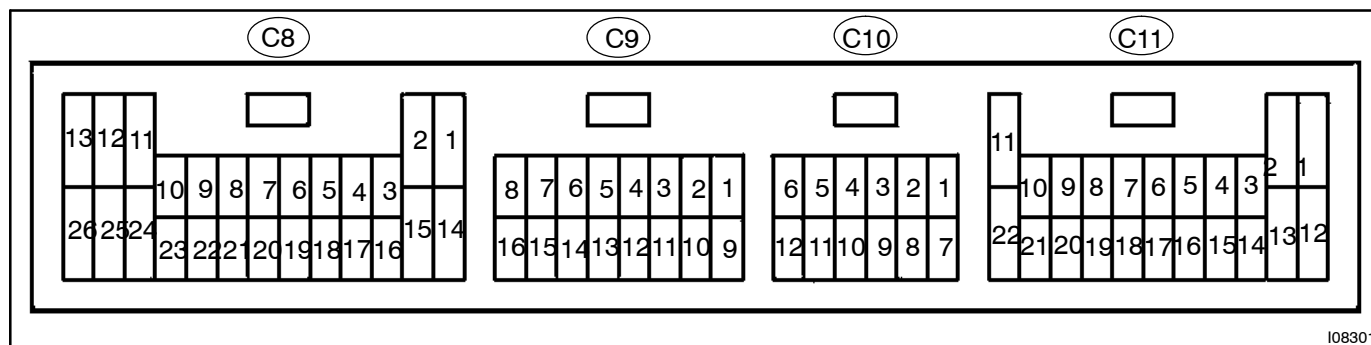


TERMINALS OF ECU

1. A/C AMPLIFIER

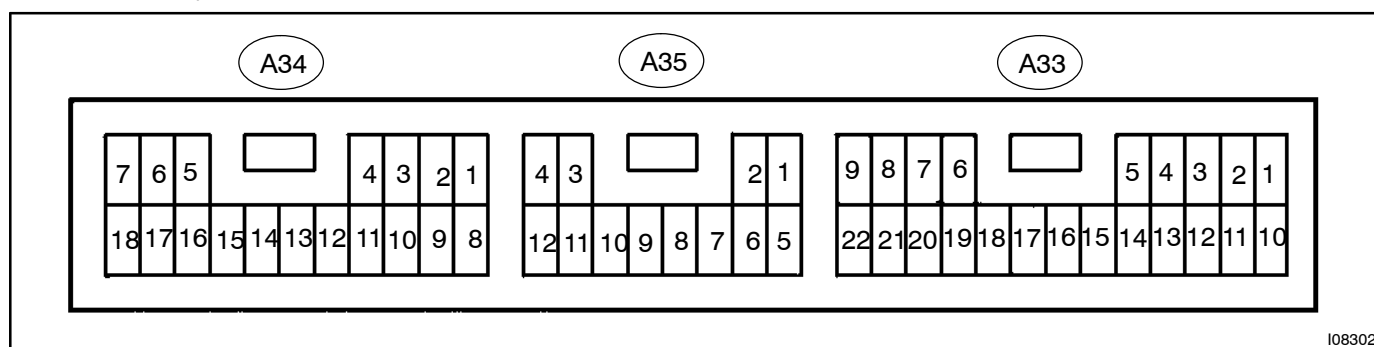


I08301

| Symbols (Terminals No.) | Wiring Color | Condition | STD Voltage (V) |
|---------------------------------|--------------|--|----------------------------------|
| IG ↔ GND (C11-1 ↔ C11-22) | R-L ↔ W-B | IG switch OFF → ON | 10 – 14 V |
| ACC ↔ GND (C11-2 ↔ C11-22) | GR ↔ W-B | Turn ignition switch ACC | 10 – 14 V |
| AIF ↔ GND (C11-6 ↔ C11-22) | G-W ↔ W-B | IG ON. Push FRS switch | Below 1.0 V |
| | | IG ON. Push REC switch | 10 – 14 V |
| AIR ↔ GND (C11-7 ↔ C11-22) | LG-B ↔ W-B | IG ON. Push FRS switch | 10 – 14 V |
| | | IG ON. Push REC switch | Below 1.0 V |
| FrAMC ↔ GND (C11-8 ↔ C11-22) | P-G ↔ W-B | IG ON. Set temp. : Max. Cool | 10 – 14 V |
| | | IG ON. Set temp. : Max. Hot | Below 1.0 V |
| FrAMH ↔ GND (C11-9 ↔ C11-22) | P-B ↔ W-B | IG ON. Set temp. : Max. Cool | Below 1.0 V |
| | | IG ON. Push REC switch | 10 – 14 V |
| +B ↔ GND (C11-12 ↔ C11-22) | L-W ↔ W-B | Always | 10 – 14 V |
| FrS5 ↔ FrSG (C10-1 ↔ C10-12) | G-R ↔ Y-G | IG ON | 4.5 – 5.5 V |
| FrTR ↔ FrSG (C10-2 ↔ C10-12) | B ↔ Y-G | IG ON. Cabin temp. : 25 °C (77 °F) | 1.8 – 2.2 V |
| | | IG ON. Cabin temp. : 40 °C (104 °F) | 1.2 – 1.6 V |
| TAM ↔ FrSG (C10-3 ↔ C10-12) | L-Y ↔ Y-G | IG ON. Ambient temp. : 25 °C (77 °F) | 1.3 – 1.8 V |
| | | IG ON. Ambient temp. : 40 °C (104 °F) | 0.8 – 1.3 V |
| FrTE ↔ FrSG (C10-4 ↔ C10-12) | GR-B ↔ Y-G | IG ON. Evaporator temp. : 0 °C (32 °F) | 2.0 – 2.4 V |
| | | IG ON. Evaporator temp. : 15 °C (59 °F) | 1.4 – 1.8 V |
| TS ↔ FrSG (C10-6 ↔ C10-12) | 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 |
| FrTP ↔ FrSG (C10-8 ↔ C10-12) | B-Y ↔ Y-G | IG ON. Set temp. : Max. Cool | 3.5 – 4.5 V |
| | | IG ON. Set temp. : Max. Hot | 0.5 – 1.5 V |
| TPI ↔ FrSG (C10-9 ↔ C10-12) | L-R ↔ Y-G | IG ON. Push REC switch | 3.5 – 4.5 V |
| | | IG ON. Push FRS switch | 0.5 – 1.5 V |
| FACE ↔ GND (C9-3 ↔ C11-22) | GR ↔ W-B | Mode control switch except FACE → FACE | From 10 – 14 V to below 1.0 V |
| B/L ↔ GND (C9-4 ↔ C11-22) | BR-W ↔ W-B | Mode control switch except BI-LEVEL → BI-LEVEL | From 10 – 14 V to below 1.0 V |
| FOOT ↔ GND (C9-5 ↔ C11-22) | W ↔ W-B | Mode control switch except FOOT → FOOT | From 10 – 14 V to below 1.0 V |

| Symbols (Terminals No.) | Wiring Color | Condition | STD Voltage (V) |
|---------------------------------|--------------|--|----------------------------------|
| F/D ↔ GND (C9-10 ↔ C11-22) | P-L ↔ W-B | Mode control switch except FOOT/DEF → FOOT/DEF | From 10 – 14 V to below 1.0 V |
| DEF ↔ GND (C9-11 ↔ C11-22) | B-W ↔ W-B | Mode control switch except DEF → DEF | From 10 – 14 V to below 1.0 V |
| FrBLW ↔ GND (C9-12 ↔ C11-22) | W-R ↔ W-B | Blower fan OFF → ON | From 10 – 14 V to below 1.0 V |
| FrHR ↔ GND (C9-13 ↔ C11-22) | Y-R ↔ W-B | Blower fan OFF → ON | From 10 – 14 V to below 1.0 V |
| MGC ↔ GND (C9-14 ↔ C11-22) | L ↔ W-B | A/C compressor OFF → ON | From 10 – 14 V to below 1.0 V |
| LOCK ↔ FrSG (C8-7 ↔ C10-12) | W-L ↔ Y-G | A/C compressor ON | Pulse |
| TW ↔ GND (C8-9 ↔ C11-22) | Y-B ↔ W-B | IG ON. Engine coolant temp. : 25 °C (77 °F) | 1.8 – 2.2 V |
| | | IG ON. Engine Coolant temp. : 40 °C (104 °F) | 1.2 – 1.6 V |
| PSW ↔ GND (C8-10 ↔ C11-22) | 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 |
| IGN ↔ GND (C8-13 ↔ C11-22) | B ↔ W-B | Engine idling | Pulse |
| SPD ↔ GND (C8-22 ↔ C11-22) | V ↔ W-B | Turn propeller shaft slowly | Pulse |
| ACT ↔ GND (C8-23 ↔ C11-22) | L-B ↔ W-B | A/C compressor OFF → ON | From 10 – 14 V to below 1.0 V |

2. REAR A/C AMPLIFIER



I08302

| Symbols (Terminals No.) | Wiring Color | Condition | STD Voltage (V) |
|---------------------------------|--------------|---|------------------------------|
| +B ↔ GND (A33-1 ↔ A33-22) | B ↔ W-B | Constant | 10 – 14 V |
| IG1 ↔ GND (A33-2 ↔ A33-22) | R-L ↔ W-B | IG ON. | 10 – 14 V |
| VMrc ↔ GND (A33-3 ↔ A33-22) | W-L ↔ W-B | Rr FACE mode. Rr blower switch: Lo → ME → HI | 7.2 → 4.2 → 0.5 V |
| BLWrc ↔ GND (A33-4 ↔ A33-22) | R ↔ W-B | Rr FACE mode. Fr blower switch: OFF → Lo | Below 1.0 V → 1.5 – 3.0 V |
| S51 ↔ SG1 (A33-5 ↔ A33-9) | R-Y ↔ Y-G | IG ON. | 4.5 – 5.5 V |
| TPr ↔ SG1 (A33-6 ↔ A33-9) | GR-R ↔ Y-G | Rr temp. control switch: Max. COOL → Max. HOT | 4.0 – 1.0 V |
| TEr ↔ SG1 (A33-7 ↔ A33-9) | 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 |

DIAGNOSTICS – AIR CONDITIONING SYSTEM

| | | | |
|---|------------|--|--|
| TInr ↔ SG1 (A33-8 ↔ A33-9) | 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 (A33-9 ↔ A33-22) | Y-G ↔ W-B | Constant | Continuity |
| MCr ↔ GND (A33-11 ↔ A33-22) | W-L ↔ W-B | Rr temp. control switch: Max. HOT → Max. COOL | Below 1.0V → 10 – 14 V for 16 sec. |
| MHr ↔ GND (A33-12 ↔ A33-22) | Y ↔ W-B | Rr temp. control switch: Max. COOL → Max. HOT | Below 1.0V → 10 – 14 V for 16 sec. |
| HRrc ↔ GND (A33-13 ↔ A33-22) | R-Y ↔ W-B | Rr FACE mode. Rr blower control switch: OFF → LO | 10 – 14 V → Below 1.0 V |
| HRrh ↔ GND (A33-14 ↔ A33-22) | L-B ↔ W-B | Rr FOOT mode. Rr blower control switch: OFF → LO | 10 – 14 V → Below 1.0 V |
| VMrh ↔ GND (A33-15 ↔ A33-22) | R-W ↔ W-B | Rr FOOT mode. Rr blower control switch: LO → ME → HI | 7.2 → 4.2 → 0.5 V |
| BLWrh ↔ GND (A33-16 ↔ A33-22) | R-G ↔ W-B | Rr FOOT mode. Rr blower control switch: OFF → LO | Below 1.0 V → 1.5 – 3.0 V |
| CID ↔ GND (A33-18 ↔ A33-22) | L ↔ W-B | IG ON. | Pulse |
| CSD ↔ GND (A33-19 ↔ A33-22) | R ↔ W-B | IG ON. | Pulse |
| CLK ↔ GND (A33-20 ↔ A33-22) | G ↔ W-B | IG ON. | Pulse |
| LAT ↔ GND (A33-21 ↔ A33-22) | W ↔ W-B | IG ON. | Pulse |
| GND ↔ Body ground (A33-22 ↔ Body ground) | W-B | Constant | Continuity |
| TRr ↔ SG2 (A35-7 ↔ A35-12) | 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 (A35-8 ↔ A35-12) | L-O ↔ G-Y | Rr temp. control switch: Max. COOL → Max. HOT | 5.0 → 0 V |
| SG2 ↔ SG1 (A35-12 ↔ A33-9) | G-Y ↔ Y-G | Constant | Continuity |
| AUTO-S ↔ RG (A34-1 ↔ A34-8) | W-G ↔ G-W | Rr A/C control panel AUTO switch: OFF → ON | 10 – 14 V → 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 | 10 – 14 V → 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 | 10 – 14 V → 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 | 10 – 14 V → Below 1.0 V during pushed switch |
| AUTO-I ↔ GND (A34-5 ↔ A33-22) | L-R ↔ W-B | Rr A/C control panel switch: except. AUTO → AUTO | 10 – 14 V → Below 1.0 V |
| LO-I ↔ GND (A34-6 ↔ A33-22) | L-W ↔ W-B | Rr A/C control panel switch: except. LO → LO | 10 – 14 V → Below 1.0 V |
| ME-I ↔ GND (A34-7 ↔ A33-22) | L ↔ W-B | Rr A/C control panel switch: except. ME → ME | 10 – 14 V → Below 1.0 V |

| | | | |
|------------------------------------|------------|--|--|
| RG ↔ GND (A34-8 ↔ A33-22) | G-W ↔ W-B | Constant | Continuity |
| HI-S ↔ GND (A34-9 ↔ A33-22) | GR-R ↔ W-B | Rr A/C control panel HI switch: OFF → ON | 10 – 14 V → Below 1.0 V during pushed switch |
| FACE-S ↔ GND (A34-10 ↔ A33-22) | R-L ↔ W-B | Rr A/C control panel FACE switch: OFF → ON | 10 – 14 V → Below 1.0 V during pushed switch |
| B/L-S ↔ GND (A34-11 ↔ A33-22) | R-Y ↔ W-B | Rr A/C control panel B/L switch: OFF → ON | 10 – 14 V → Below 1.0 V during pushed switch |
| FOOT-S ↔ GND (A34-12 ↔ A33-22)) | R-G ↔ W-B | Rr A/C control panel FOOT switch: OFF → ON | 10 – 14 V → Below 1.0 V during pushed switch |
| FACE-I ↔ GND (A34-15 ↔ A33-22) | G ↔ W-B | Rr A/C control panel switch: except. FACE → FACE | 10 – 14 V → Below 1.0 V |
| B/L-I ↔ GND (A34-16 ↔ A33-22) | W-G ↔ W-B | Rr A/C control panel switch: except. B/L → B/L | 10 – 14 V → Below 1.0 V |
| FOOT-I ↔ GND (A34-17 ↔ A33-22) | W-R ↔ W-B | Rr A/C control panel switch: except. FOOT → FOOT | 10 – 14 V → Below 1.0 V |
| HI-I ↔ GND (A34-18 ↔ A33-22) | L ↔ W-B | Rr A/C control panel switch: except. HI → HI | 10 – 14 V → Below 1.0 V |