

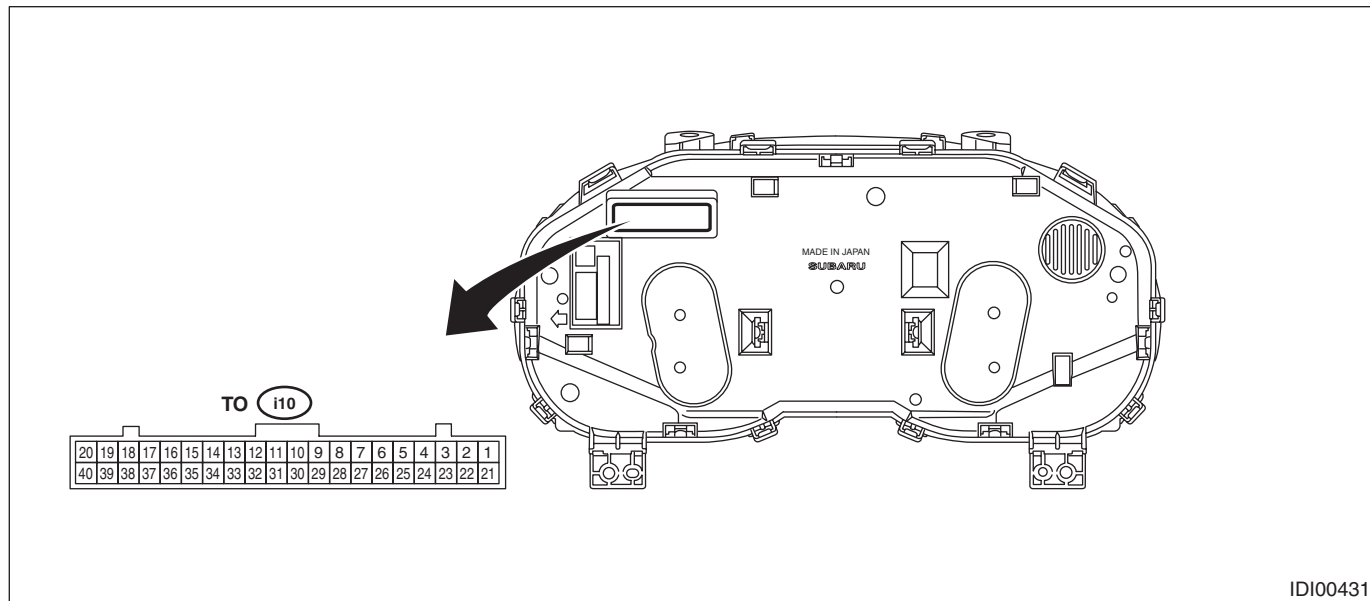
# Control Module I/O Signal

INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS)

## 5. Control Module I/O Signal

### A: ELECTRICAL SPECIFICATION

- Combination meter



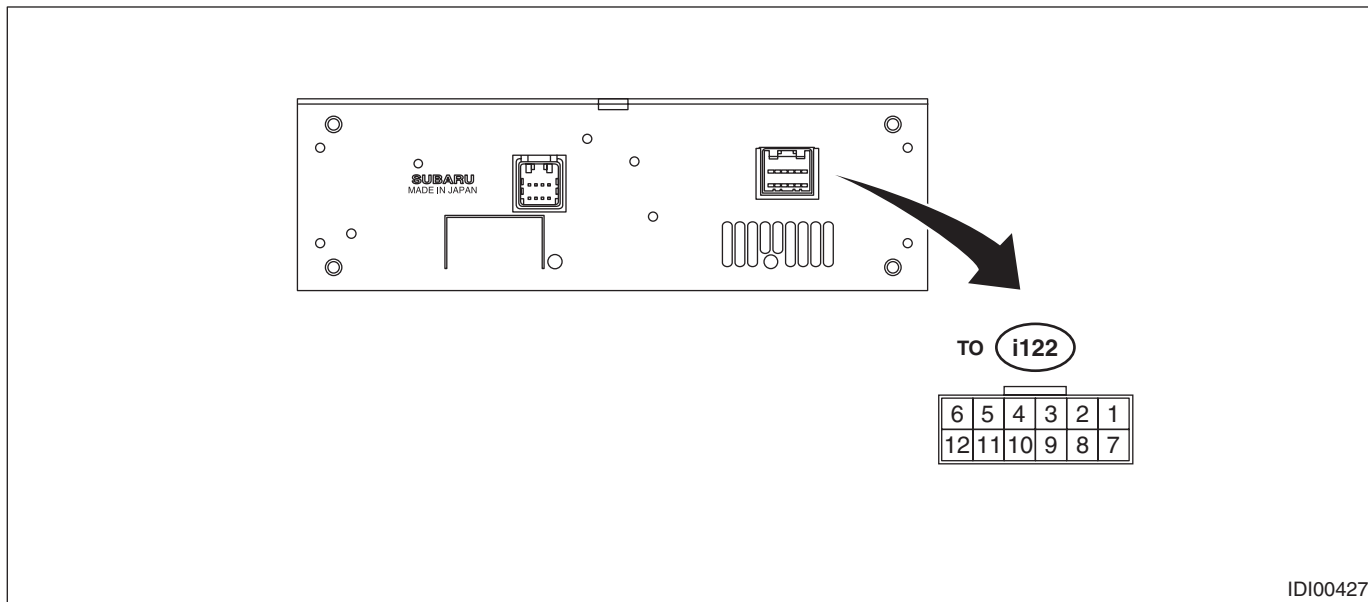
IDI00431

Terminal No.	Item	Measuring condition	Standard
1 ↔ Chassis ground	Voltage	Security/immobilizer indicator light off → on	0 V → 10 — 14 V
2 ↔ Chassis ground	Voltage	Charge warning light off → on	0 V → 10 — 14 V
3 ↔ Chassis ground	Voltage	Oil pressure warning light off → on	0 V → 10 — 14 V
4 ↔ Chassis ground	Voltage	RH turn indicator off → on	0 V → 10 — 14 V
6 ↔ Chassis ground	Voltage	LH turn indicator off → on	0 V → 10 — 14 V
8 ↔ Chassis ground	Voltage	Auto headlight beam leveler warning light off → on	0 V → 10 — 14 V
15 ↔ Chassis ground	Resistance	Driver's seat belt switch ON	Less than 1 Ω
16 ↔ Chassis ground	Resistance	Passenger's seat belt switch ON	Less than 1 Ω
20 ↔ Chassis ground	Voltage	IG OFF → ON	0 V → 10 — 14 V
21 ↔ Chassis ground	—	Washer fluid level sensor	—
23 ↔ Chassis ground	—	Brake fluid level switch	—
25 ↔ 37	Resistance	Fuel level sensor	10 — 600 Ω
27 ↔ 36	Resistance	Ambient sensor	1 — 35 kΩ
28 (UART) ↔ Chassis ground	—	Cannot be measured	—
32 (CAN-) ↔ Chassis ground	—	Cannot be measured	—
33 (CAN+) ↔ Chassis ground	—	Cannot be measured	—
34 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
35 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
36 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
37 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
38 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
39 ↔ Chassis ground	Resistance	Always	Less than 1 Ω
40 ↔ Chassis ground	Voltage	Always	10 — 14 V

# Control Module I/O Signal

INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS)

- MFD



Terminal No.	Item	Measuring condition	Standard
1(+B) ↔ Chassis ground	Voltage	Always	10 — 14 V
2 (GND) ↔ chassis ground	Resistance	Always	Less than 1 Ω
3 (IGN) ↔ Chassis ground	Voltage	IG OFF → ON	0 V → 10 — 14 V
4 (STR-) ↔ Chassis ground	—	Cannot be measured (steering switch communication line)	—
5 (CAN-) ↔ Chassis ground	—	Cannot be measured (CAN communication line)	—
6 (CAN+) ↔ Chassis ground	—	Cannot be measured (CAN communication line)	—
9 (UART) ↔ Chassis ground	—	Cannot be measured (meter communication line)	—
10 ↔ Chassis ground	Voltage	Passenger's airbag ON indicator (when illuminating)	Less than 1 V
11 ↔ Chassis ground	Voltage	Passenger's airbag OFF indicator (when illuminating)	Less than 1 V
12 (STR+) ↔ Chassis ground	—	Cannot be measured (steering switch communication line)	—