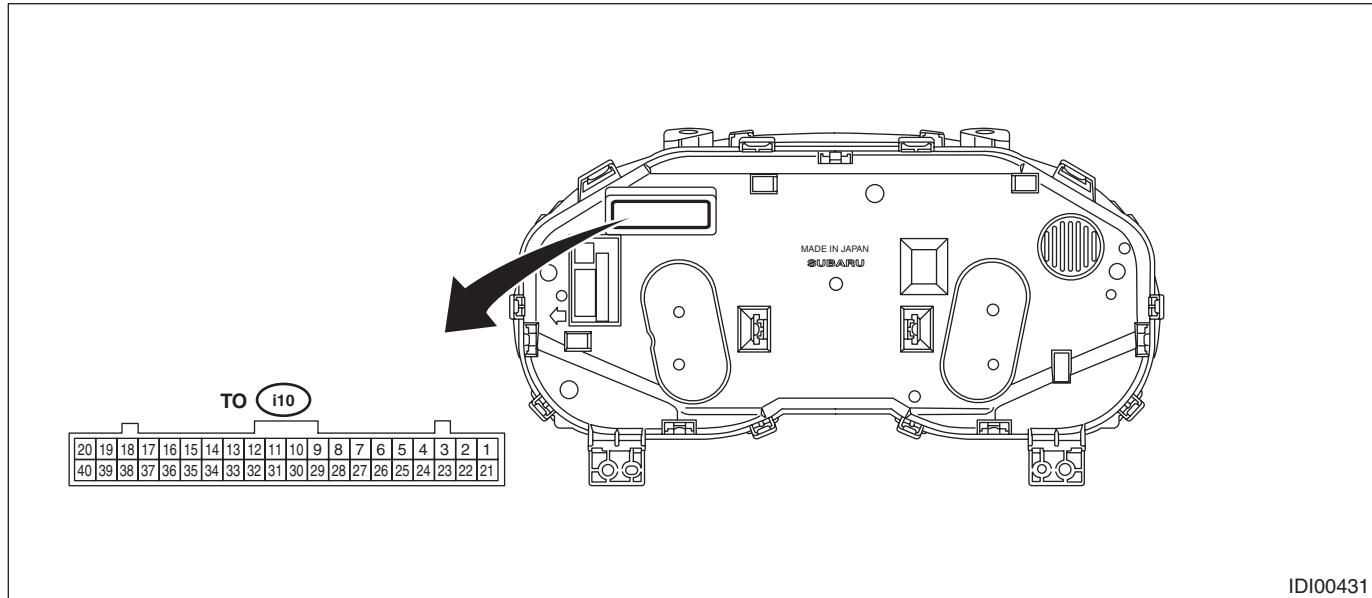


### 5. Control Module I/O Signal

#### A: ELECTRICAL SPECIFICATION

- Combination meter



Terminal No.	Content	Terminal No.	Content
1	Immobilizer/security indicator light	23	Brake fluid level switch
2	Charge warning light	25	Fuel level sensor
3	Oil pressure warning light	27	Ambient sensor
4	RH turn indicator	28	UART (MFD)
6	LH turn indicator	31	SI-DRIVE
8	Auto headlight beam leveler warning light	32	CAN communication line (-)
15	Driver's seat belt switch	33	CAN communication line (+)
16	Passenger's seat belt switch	36	Ambient sensor GND
17	Rear seat belt (left)	37	Fuel level sensor GND
18	Rear seat belt (center)	38	GND
19	Rear seat belt (right)	39	Backup ignition power supply
20	Ignition power supply	40	Battery power supply

## Control Module I/O Signal

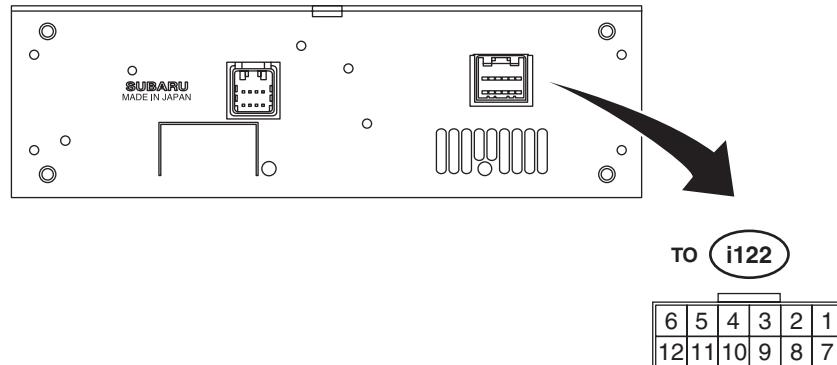
### INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS)

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	—	Airbag CM	—
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



IDI00427

Terminal No.	Content	Terminal No.	Content
1	Battery power supply	5	CAN communication line (-)
2	GND	6	CAN communication line (+)
3	Ignition power supply	9	UART (meter)
4	Steering switch communication line (-)	12	Steering switch communication line (+)

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)	—