

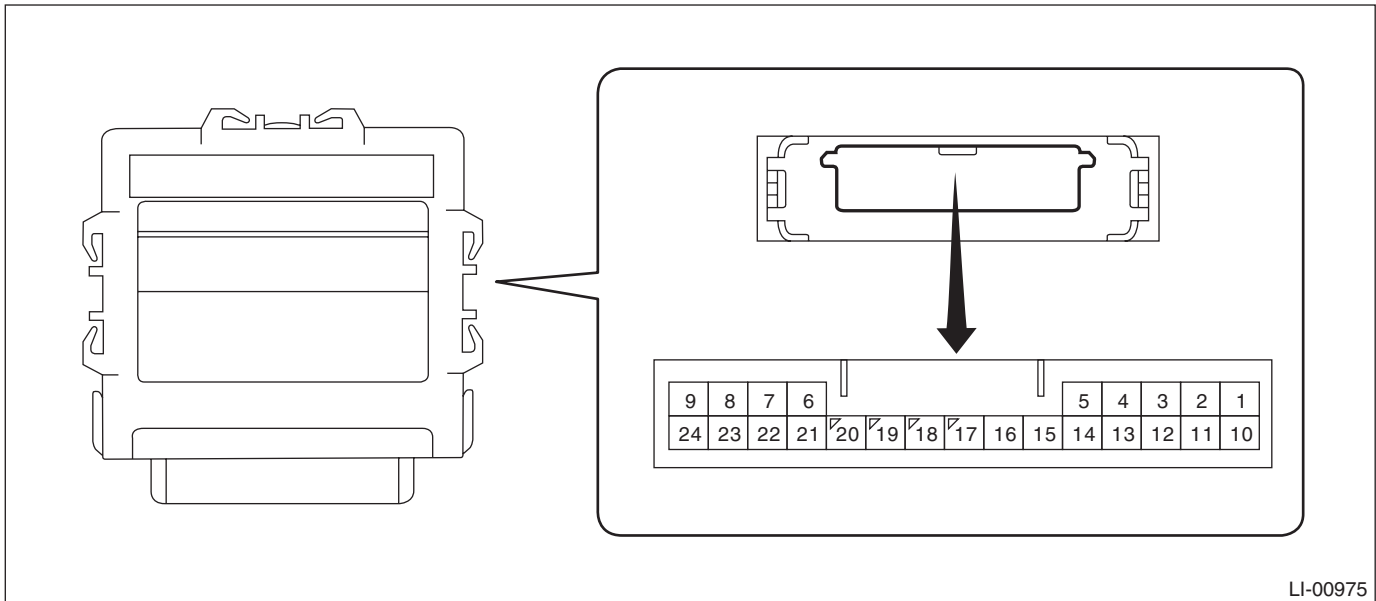
## Control Module I/O Signal

### AUTO HEADLIGHT BEAM LEVELER SYSTEM (DIAGNOSTICS)

## 5. Control Module I/O Signal

### A: ELECTRICAL SPECIFICATION

#### 1. AUTO HEADLIGHT BEAM LEVELER CM



| Terminal No. (terminal symbol) | Item       | Measuring condition   | Standard   |
|--------------------------------|------------|---|--|
| 1 (IG) ↔ Chassis ground        | Voltage    | Ignition switch ON  | 8 — 16 V   |
| 2 (E1) ↔ Chassis ground        | Resistance | Always  | Less than 1 Ω  |
| 3 (SGR) ↔ Chassis ground       | Resistance | Always  | Less than 1 Ω  |
| 6 (WNG) ↔ Chassis ground       | Voltage    | After turning the ignition switch to ON, for 3 seconds (warning light on) → after 3 seconds (warning light off) | Less than 1.35 V → 8 — 16 V                            |
| 10 (LH1) ↔ Chassis ground      | Voltage    | Ignition switch ON  | 10 — 16 V  |
| 11 (LH3) ↔ Chassis ground      | Resistance | Always  | Less than 1 Ω  |
| 12 (SBR) ↔ 3 (SGR)             | Voltage    | Ignition switch ON  | 4.75 — 5.25 V  |
| 17 (LH2) ↔ Chassis ground      | Voltage    | Headlight off → on  | Less than 1 V → 1.0 — 14.4 V (for 17 seconds)          |
|                                |            | Headlight on, no vehicle height change → change and hold vehicle height for 3 seconds or more                   |  |
| 19 (SHR) ↔ Chassis ground      | Voltage    | IG ON (with no passenger, no load and vehicle stopped)  | Approx. 2.5 V (changes according to vehicle condition) |
| 23 (CAN-H) ↔ Chassis ground    | —          | Cannot be measured (CAN communication line)   | —  |
| 24 (CAN-L) ↔ Chassis ground    | —          | Cannot be measured (CAN communication line)   | —  |

### B: WIRING DIAGRAM

Refer to “Headlight Beam Leveler System” in the wiring diagram. <Ref. to WI-260, WIRING DIAGRAM, Headlight Beam Leveler System.>