

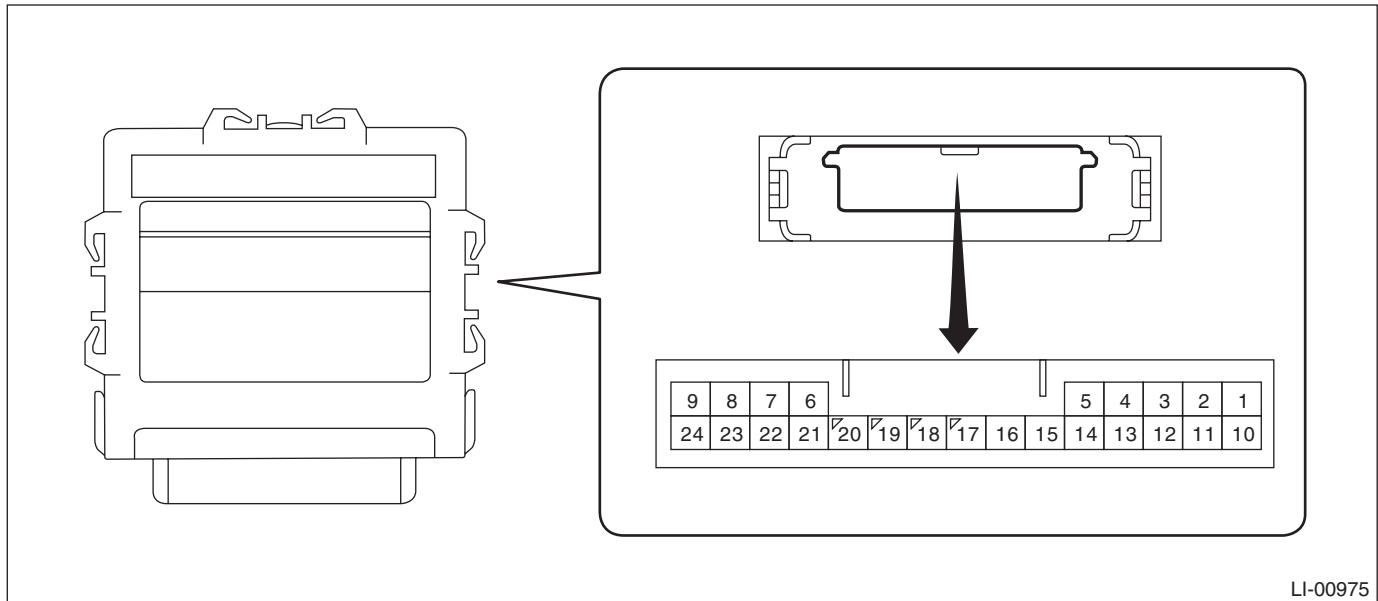
# Control Module I/O Signal

## 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-93, WIRING DIAGRAM, Headlight Beam Leveler System.>