

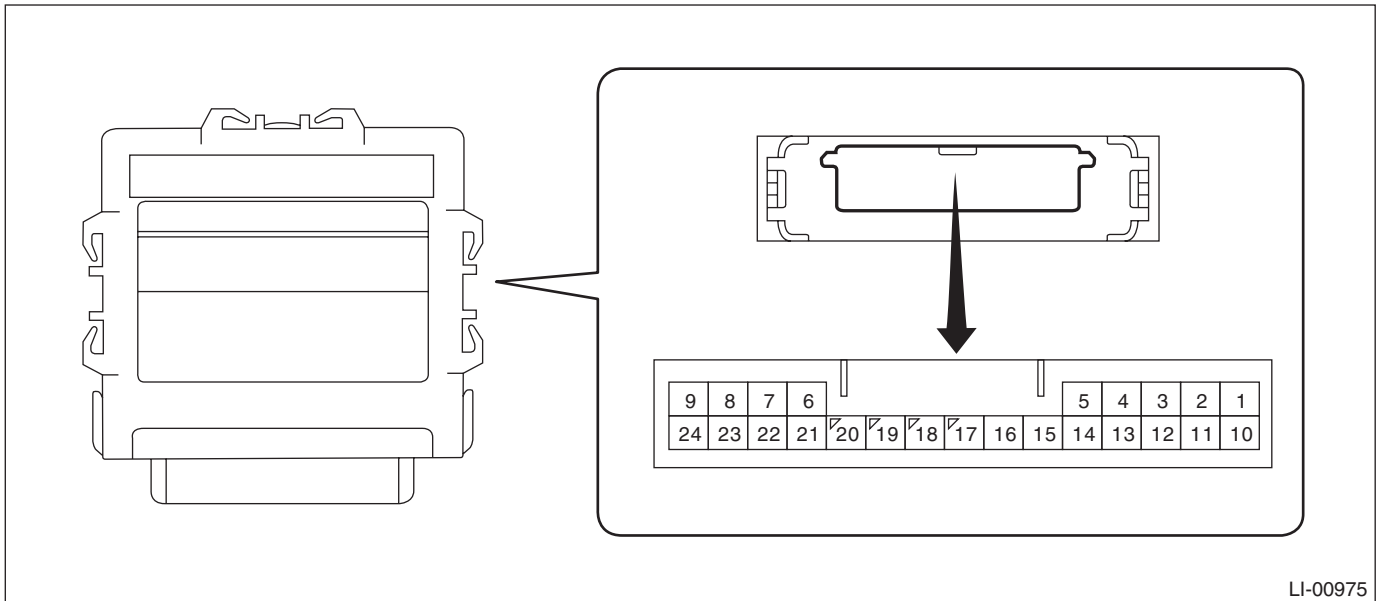
# Control Module I/O Signal

## AUTO HEADLIGHT BEAM LEVELER SYSTEM (DIAGNOSTICS)

### 5. Control Module I/O Signal

#### A: ELECTRICAL SPECIFICATION

##### 1. AUTO HEADLIGHT BEAM LEVELER CM



Description	Terminal No.	Measuring condition	Standard
IG power supply	1 ↔ Chassis ground	Ignition switch ON	8 — 16 V
GND	2 ↔ Chassis ground	Always	Less than 1 Ω
Rear height sensor GND	3 ↔ Chassis ground	Always	Less than 1 Ω
Indicator output	6 ↔ Chassis ground	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
Leveling actuator power supply	10 ↔ Chassis ground	Ignition switch ON	10 — 16 V
Leveling actuator GND	11 ↔ Chassis ground	Always	Less than 1 Ω
Rear height sensor power supply	12 ↔ 3	Ignition switch ON	4.75 — 5.25 V
Leveling actuator signal	17 ↔ Chassis ground	Headlight off → on Headlight on, no vehicle height change → change and hold vehicle height for 3 seconds or more	Less than 1 V → 1.0 — 14.4 V (for 17 seconds)
Rear sensor signal	19 ↔ Chassis ground	IG ON (with no passenger, no load and vehicle stopped)	Approx. 2.5 V (changes according to vehicle condition)
CAN-H	23	Cannot be measured (CAN communication line)	—
CAN-L	24	Cannot be measured (CAN communication line)	—

#### B: WIRING DIAGRAM

Refer to “Headlight Beam Leveler System” in the wiring diagram. <Ref. to WI(w/o HEV)-136, WIRING DIAGRAM, Headlight Beam Leveler System.> <Ref. to WI(HEV)-134, WIRING DIAGRAM, Headlight Beam Leveler System.>