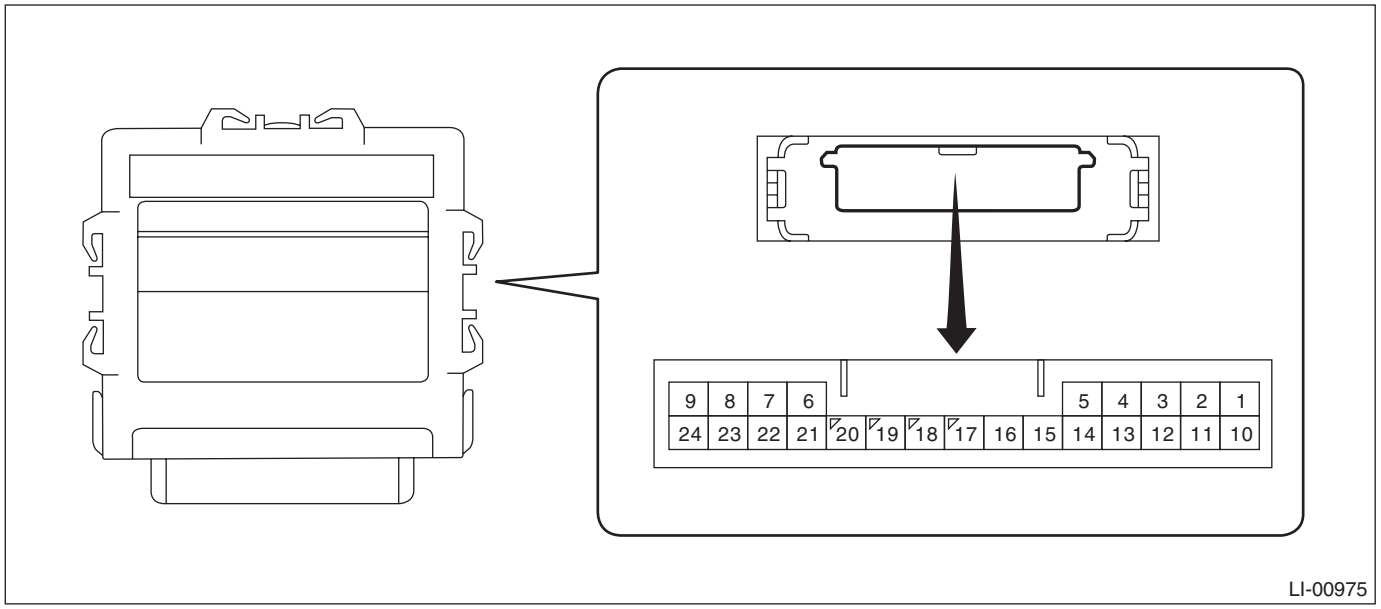
5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION

1. AUTO HEADLIGHT BEAM LEVELER CM



Contents	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
Rr vehicle height sensor GND	3 ←→ Chassis ground	Always	Less than 1 Ω
RH headlight malfunction signal	5 ←→ Chassis ground	Always	1 MΩ or more
Leveling actuator power supply	10 ←→ Chassis ground	Ignition switch ON	10 — 16 V
Leveling actuator GND	11 ←→ Chassis ground	Always	Less than 1 Ω
Rr vehicle height sensor power supply	12 ←→ 3	Ignition switch ON	4.75 — 5.25 V
LH headlight malfunction signal	16 ←→ Chassis ground	Always	1 MΩ or more
Leveling actuator signal	17 ←→ Chassis ground	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	
Rr 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-250, WIRING DIAGRAM, Headlight Beam Leveler System.>