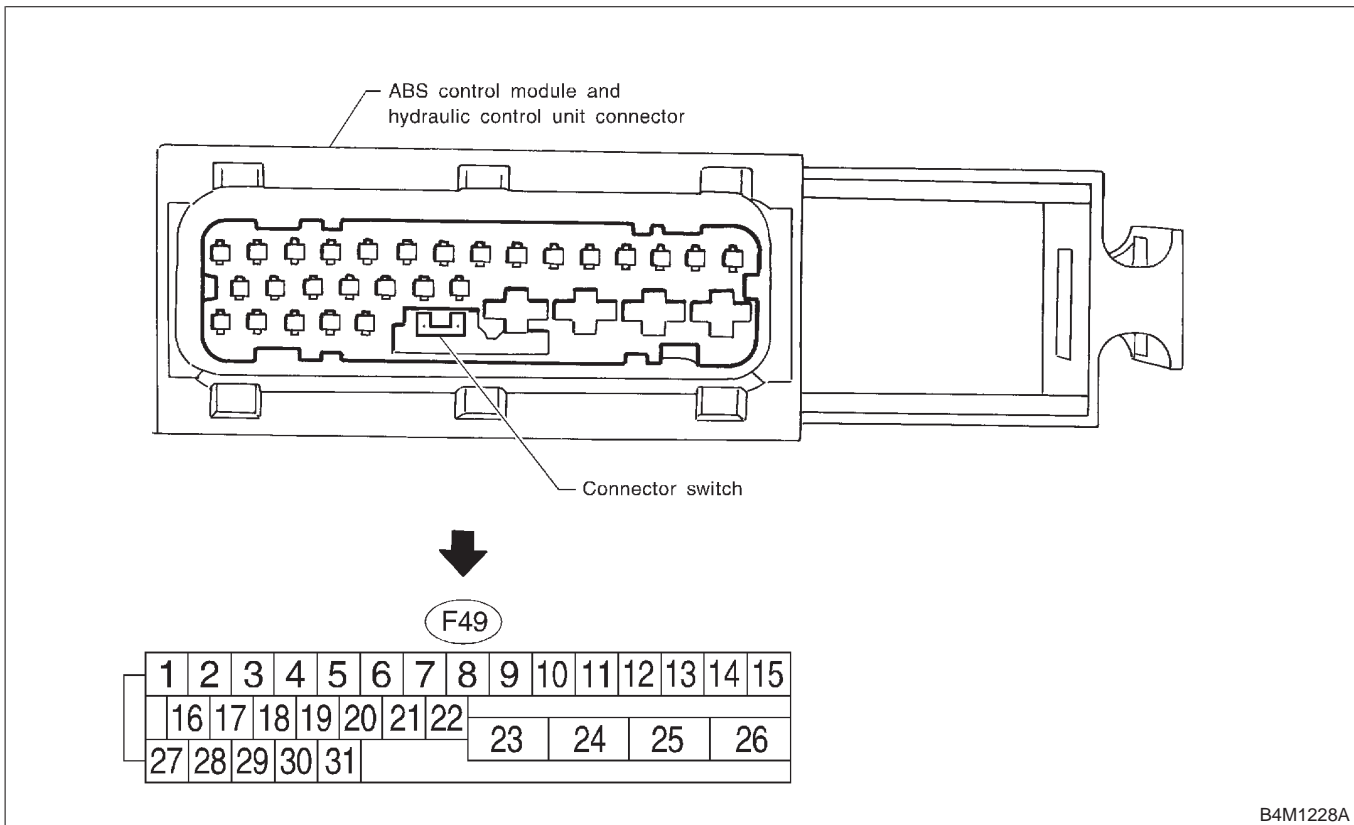


5. Control Module I/O Signal S006524

A: ELECTRICAL SPECIFICATION

S006524A08



NOTE:

- The terminal numbers in the ABS control module and hydraulic control unit connector are as shown in the figure.
- When the connector is removed from the ABSCM&H/U, the connector switch closes the circuit between terminal No. 21 and No. 23. The ABS warning light illuminates.

CONTROL MODULE I/O SIGNAL

ABS (DIAGNOSTICS)

Contents		Terminal No. (+)-()	Input/Output signal
			Measured value and measuring conditions
ABS sensor*2 (Wheel speed sensor)	Front left wheel	9—10	0.12 — 1 V (When it is 20 Hz.)
	Front right wheel	11—12	
	Rear left wheel	7—8	
	Rear right wheel	14—15	
Valve relay power supply		24—23	10 — 15 V
Motor relay power supply		25—23	10 — 15 V
G sensor*2 (AWD model only)	power supply	30—28	4.75 — 5.25 V
	ground	28	—
	output	6—28	2.3±0.2 V when vehicle is in horizontal position.
Stop light switch*1		2—23	Less than 1.5 V when the stop light is OFF and, 10 — 15 V when the stop light is ON.
ABS warning light*2		21—23	Less than 1.5 V during 1.5 seconds when ignition switch is ON, and 10 — 15 V after 1.5 seconds.
AT ABS signal*2 (AT model only)		31—23	Less than 1.5 V when the ABS control still operates and more than 5.5 V when ABS does not operate.
ABS operation signal monitor*2		3—23	Less than 1.5 V when the ABS control still operates and more than 5.5 V when ABS does not operate.
Select monitor*2	Data is received.	20—23	Less than 1.5 V when no data is received.
	Data is sent.	5—23	4.75 — 5.25 V when no data is sent.
ABS diagnosis connector*2	Terminal No. 3	29—23	10 — 15 V when ignition switch is ON.
	Terminal No. 6	4—23	10 — 15 V when ignition switch is ON.
Power supply*1		1—23	10 — 15 V when ignition switch is ON.
Grounding line		23	—
Grounding line		26	—

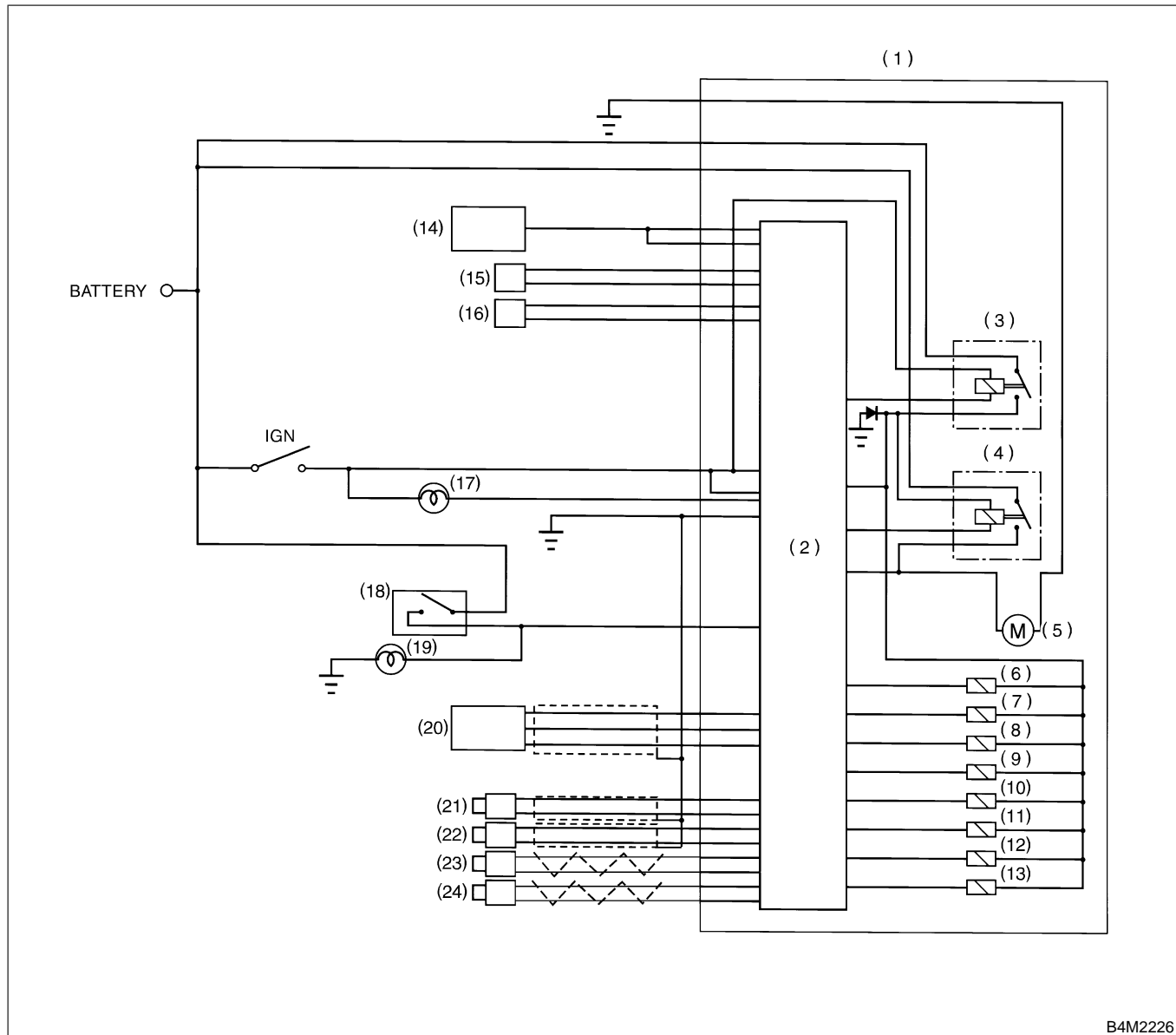
*1: Measure the I/O signal voltage after removing the connector from the ABSCM&H/U terminal.

*2: Measure the I/O signal voltage at connector (B62) or (F55).

CONTROL MODULE I/O SIGNAL

ABS (DIAGNOSTICS)

B: SCHEMATIC S006524A21



B4M2226

- | | | |
|---|---------------------------------------|-----------------------------|
| (1) ABS control module and hydraulic control unit (ABSCM&H/U) | (9) Front right outlet solenoid valve | (17) ABS warning light |
| (2) ABS control module area | (10) Rear left inlet solenoid valve | (18) Stop light switch |
| (3) Valve relay | (11) Rear left outlet solenoid valve | (19) Stop light |
| (4) Motor relay | (12) Rear right inlet solenoid valve | (20) G sensor |
| (5) Motor | (13) Rear right outlet solenoid valve | (21) Front left ABS sensor |
| (6) Front left inlet solenoid valve | (14) Transmission control module | (22) Front right ABS sensor |
| (7) Front left outlet solenoid valve | (15) Diagnosis connector | (23) Rear left ABS sensor |
| (8) Front right inlet solenoid valve | (16) Data link connector | (24) Rear right ABS sensor |