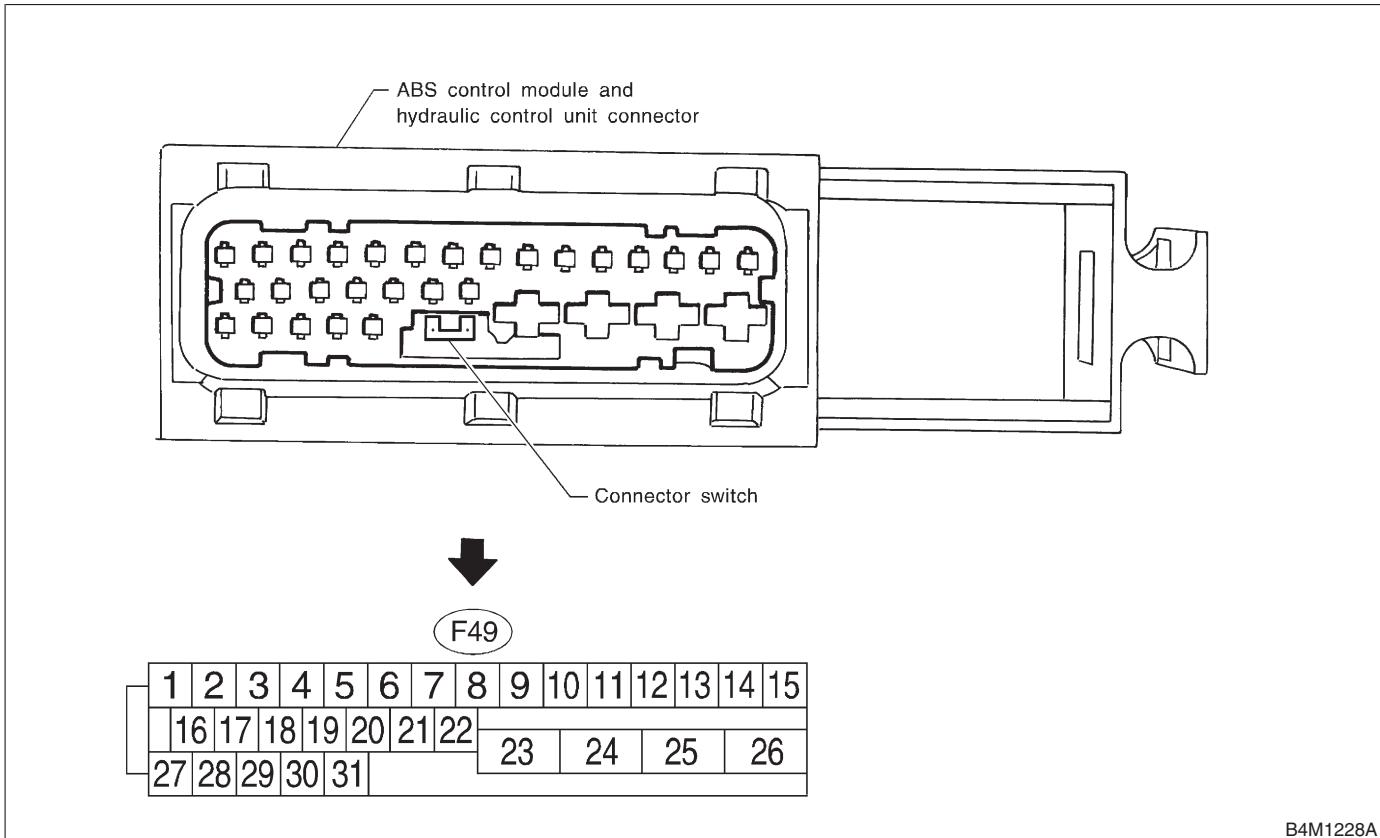


## 5. Control Module I/O Signal S006524

### 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

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*1	24—23	10 — 15 V when ignition switch is ON.		
Motor relay power supply*1	25—23	10 — 15 V when ignition switch is ON.		
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)	3—23	Less than 1.5 V when the ABS control does not oper- ate still and more than 5.5 V when ABS operates.		
ABS operation signal monitor*2 (AT model only)	31—23	Less than 1.5 V when the ABS control does not oper- ate still and more than 5.5 V when ABS operates.		
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	—		

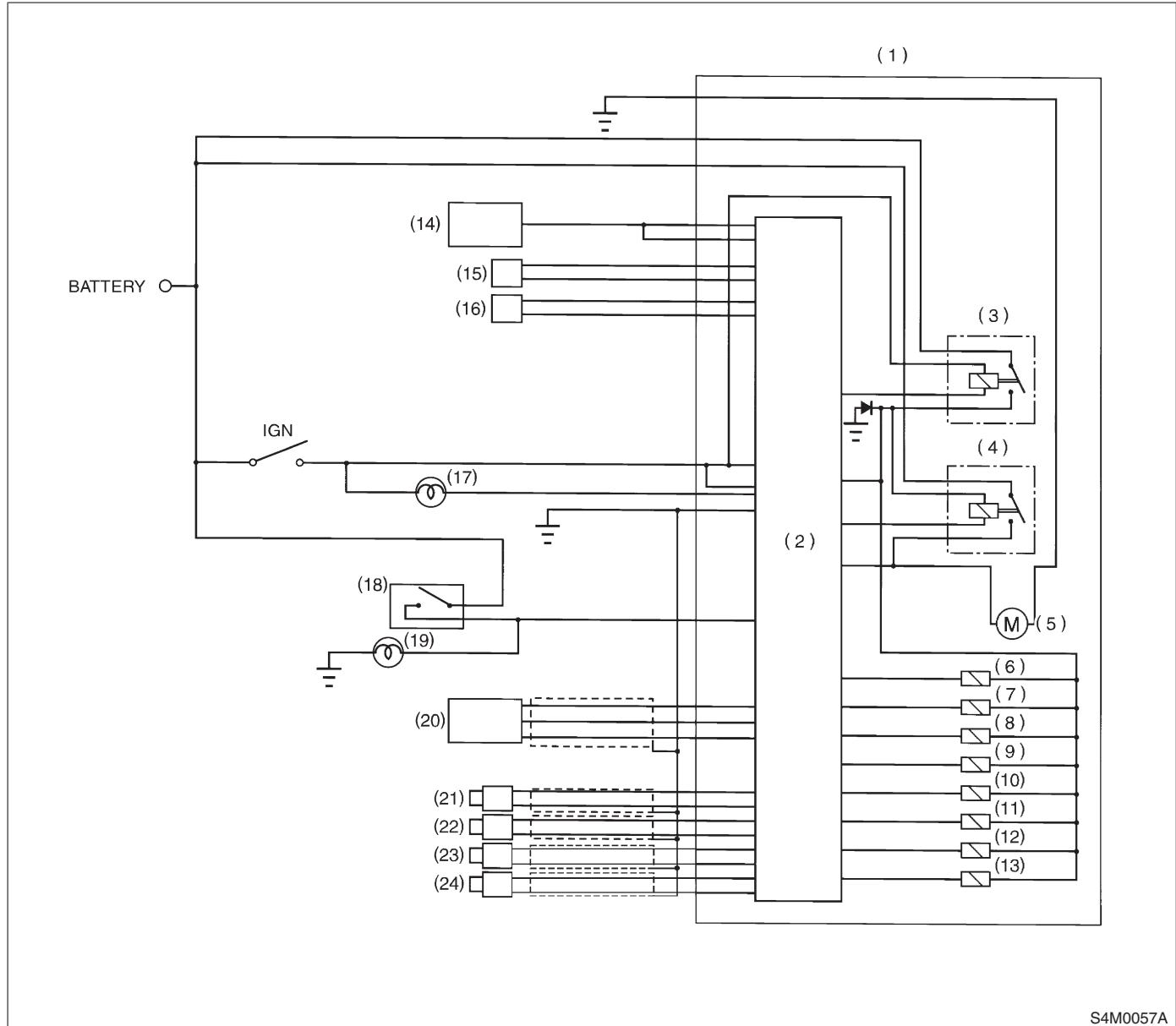
\*1: Measure the I/O signal voltage after removing the connector from the ABSCM&H/U terminal.

\*2: Measure the I/O signal voltage at connector (F2) or (F55).

# CONTROL MODULE I/O SIGNAL

ABS

## B: SCHEMATIC S006524A21



S4M0057A

(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) Automatic 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