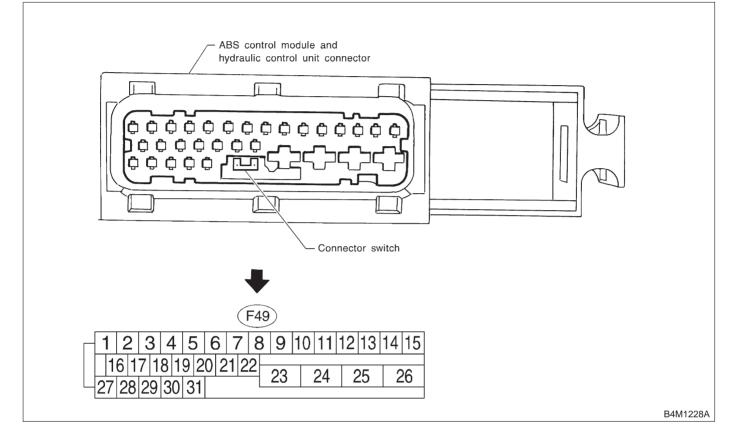
5. Control Module I/O Signal

A: I/O SIGNAL VOLTAGE



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.

Contents		Terminal No.	Input/Output signal
		(+) ()	Measured value and measuring conditions
ABS sensor*2 (Wheel speed sensor)	Front left wheel	9 — 10	
	Front right wheel	11 — 12	0.12 — 1 V
	Rear left wheel	7 — 8	(When it is 20 Hz.)
	Rear right wheel	14 — 15	
Valve relay power	supply	24 — 23	10 — 15 V when ignition switch is ON.
Motor relay powe	r supply	25 — 23	10 — 15 V when ignition switch is ON.
G sensor*2	power supply	30 — 28	4.75 — 5.25 V
(AWD model	ground	28	—
only)	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 does not operate still and more than 5.5 V when ABS operates.
ABS operation signal monitor*2		3 — 23	Less than 1.5 V when the ABS control does not operate 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 (F1).

B: I/O SIGNAL DIAGRAM

Battery Front right ABS sensor Front left ABS sensor Rear right ABS sensor Rear left ABS sensor Rear left ABS sensor G sensor G sensor ABS warning light	Ignition key switch	
Select monitor	Battery Front right ABS sensor Front left ABS sensor Rear right ABS sensor Rear left ABS sensor Stop light Stop light witch G sensor (AWD only) ABS warning light	control module and hydraulic control
	Diagnosis	
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