

Control Module I/O Signal

OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION

CAUTION:

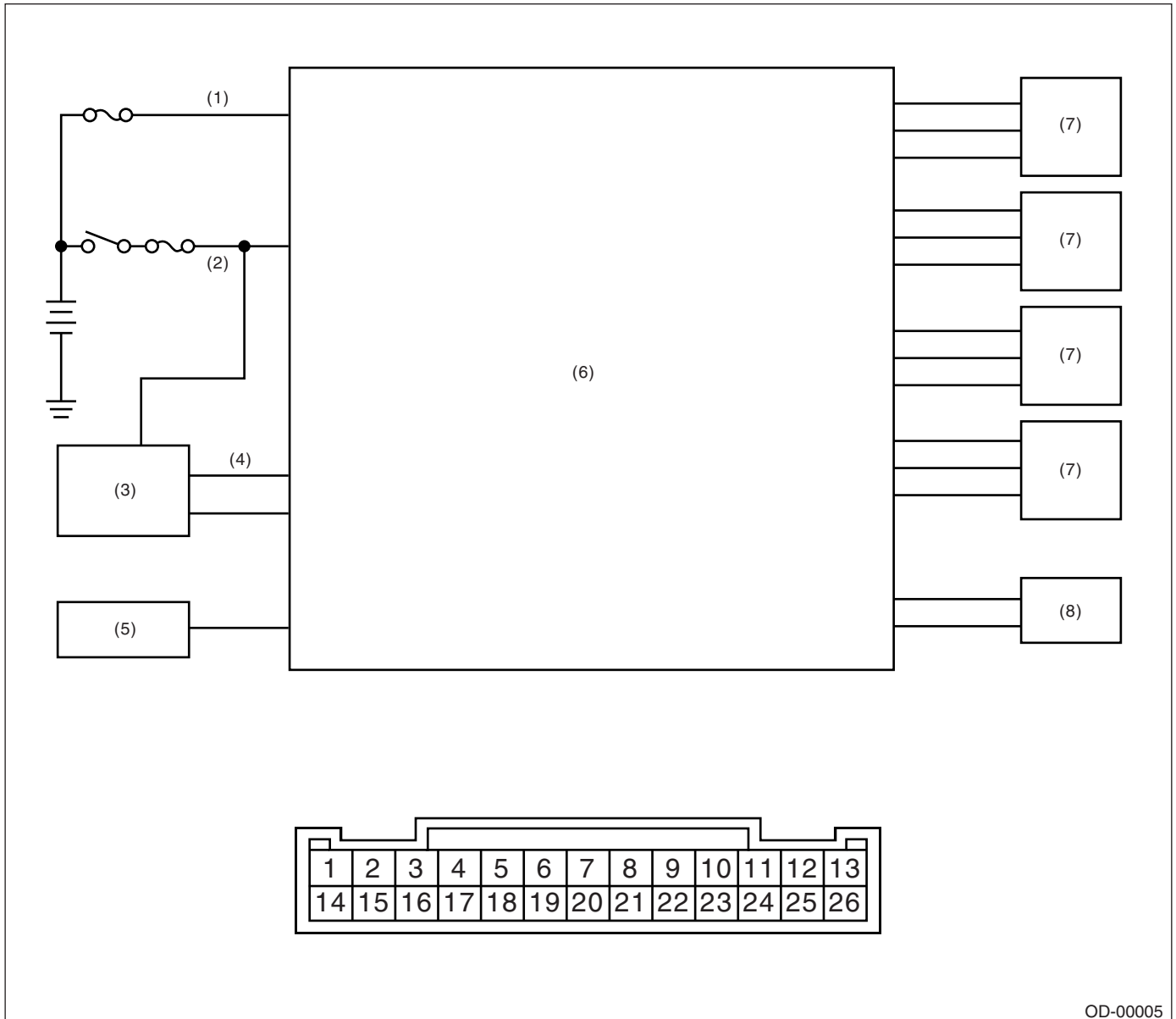
Never disassemble or disconnect the control module, load cell sensor or coupling harness, since each component of occupant detection system is assembled as seat frame assembly. (Disconnection from body harness connector, and disconnection of side airbag and buckle switch are OK.)

Terminal name		Terminal No.	Input/Output value	Remarks
Battery voltage		26	9 — 16 V	Always
Ignition – SW		12	9 — 16 V	When ignition switch ON
Airbag control module communication	(COM)	13	Open collector terminal	Communication line
Airbag control module communication	(GND)	24	0 V	Communication line
Load cell sensor 1	(Vcc)	8	5 V	Load cell sensor power supply
	(Vout)	7	0.5 — 4.5 V	Sensor output voltage
	(GND)	20	0 V	Sensor ground
Load cell sensor 2	(Vcc)	6	5 V	Load cell sensor power supply
	(Vout)	5	0.5 — 4.5 V	Sensor output voltage
	(GND)	18	0 V	Sensor ground
Load cell sensor 3	(Vcc)	4	5 V	Load cell sensor power supply
	(Vout)	3	0.5 — 4.5 V	Sensor output voltage
	(GND)	16	0 V	Sensor ground
Load cell sensor 4	(Vcc)	2	5 V	Load cell sensor power supply
	(Vout)	1	0.5 — 4.5 V	Sensor output voltage
	(GND)	14	0 V	Sensor ground
Buckle switch		9	Unbelted: 4 — 7 mA Belted: 12 — 18 mA	Buckle switch output value
Buckle switch	(GND)	22	0 V	Switch ground
Subaru Select Monitor communication		11	Serial communication	

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B: WIRING DIAGRAM



OD-00005

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|--|---------------------------------------|----------------------------|
| (1) Battery power supply | (5) Subaru Select Monitor | (7) Load cell sensor 1 — 4 |
| (2) Ignition power supply | (6) Occupant detection control module | (8) Seat belt buckle RH |
| (3) Airbag control module | | |
| (4) Airbag control module communication line | | |