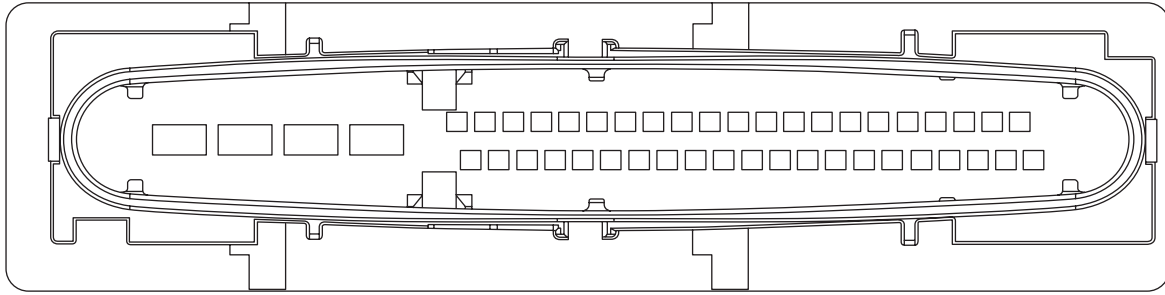


5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



B310

22	23	24	25	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
				26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46

VDC00457

NOTE:

- Terminal numbers in VDCCM&H/U connector are shown in the figure.
- When the connector is removed from VDCCM&H/U, the ABS warning light, VDC warning light and VDC OFF indicator light illuminate.

Control Module I/O Signal

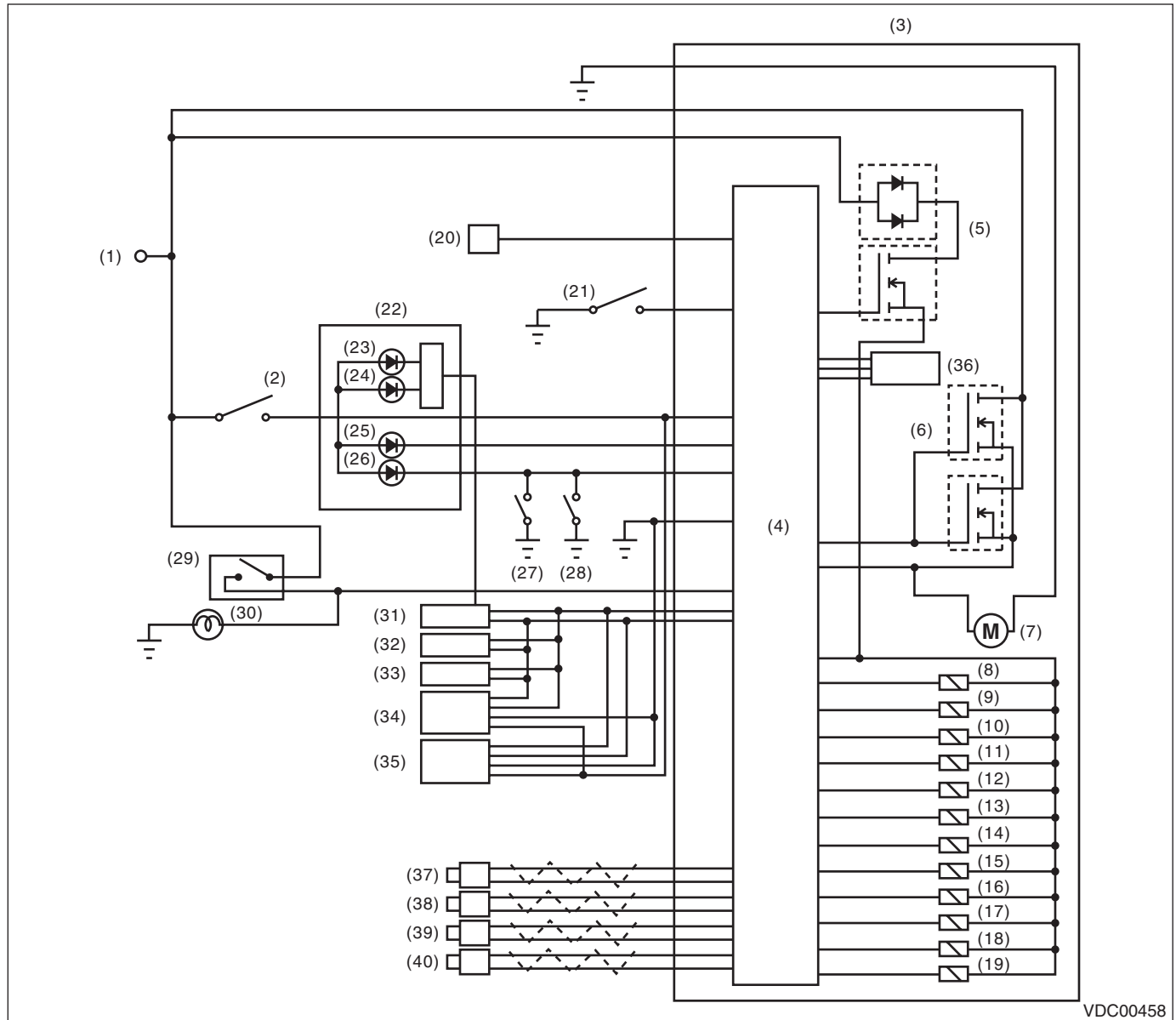
VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

Content			Terminal No. (+) — (–)	Input/Output signal
				Measured value and measuring conditions
Power supply			28 — 25	10 — 15 V when the ignition switch is ON.
ABS wheel speed sensor	Front LH wheel	Power supply	26 — 25	4.5 — 16.5 V
		Signal	1	5.9 — 16.8 mA: Rectangle waveform
	Front RH wheel	Power supply	5 — 25	4.5 — 16.5 V
		Signal	6	5.9 — 16.8 mA: Rectangle waveform
	Rear LH wheel	Power supply	2 — 25	4.5 — 16.5 V
		Signal	27	5.9 — 16.8 mA: Rectangle waveform
	Rear RH wheel	Power supply	3 — 25	4.5 — 16.5 V
		Signal	4	5.9 — 16.8 mA: Rectangle waveform
CAN communication line (+)			35	2.5 — 1.5 V pulse signal
CAN communication line (–)			10	3.5 — 2.5 V pulse signal
Valve relay power supply			24 — 25	10 — 15 V when the ignition switch is ON.
Motor relay power supply			23 — 22	10 — 15 V when the ignition switch is ON.
ABS warning light			32 — 25	After turning the ignition switch to ON, 10 — 15 V during 1.5 seconds, and 1.5 V or less after 1.5 seconds passed.
Brake warning light (EBD warning light)			8 — 25	After turning the ignition switch to ON, 10 — 15 V during 1.5 seconds, and 1.5 V or less after 1.5 seconds passed.
Stop light switch			30 — 25	1.5 V or less when the stop light is OFF; otherwise, 10 — 15 V when the stop light is ON.
Subaru Select Monitor			7 — 25	0 ↔ 12 V pulse (in communication)
Vehicle speed output signal			33	0 ↔ 12 V pulse
Ground			25	—

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

B: WIRING DIAGRAM



VDC00458

- | | | |
|---|--|--|
| (1) Battery | (15) Rear outlet solenoid valve RH | (29) Stop light switch |
| (2) Ignition switch | (16) Primary cut solenoid valve | (30) Stop light |
| (3) VDC control module and hydraulic control unit (VDCCM&H/U) | (17) Primary suction solenoid valve | (31) Body integrated unit |
| (4) VDC control module | (18) Secondary cut solenoid valve | (32) Engine control module (ECM) |
| (5) Valve relay | (19) Secondary suction solenoid valve | (33) Transmission control module (TCM) |
| (6) Motor relay | (20) Data link connector | (34) Steering angle sensor |
| (7) Motor | (21) VDC OFF switch | (35) Yaw rate & lateral G sensor |
| (8) Front inlet solenoid valve LH | (22) Combination meter | (36) Pressure sensor |
| (9) Front outlet solenoid valve LH | (23) VDC indicator light | (37) Front ABS wheel speed sensor LH |
| (10) Front inlet solenoid valve RH | (24) VDC warning light and VDC OFF indicator light | (38) Front ABS wheel speed sensor RH |
| (11) Front outlet solenoid valve RH | (25) ABS warning light | (39) Rear ABS wheel speed sensor LH |
| (12) Rear inlet solenoid valve LH | (26) Brake warning light | (40) Rear ABS wheel speed sensor RH |
| (13) Rear outlet solenoid valve LH | (27) Parking brake switch | |
| (14) Rear inlet solenoid valve RH | (28) Brake fluid level switch | |