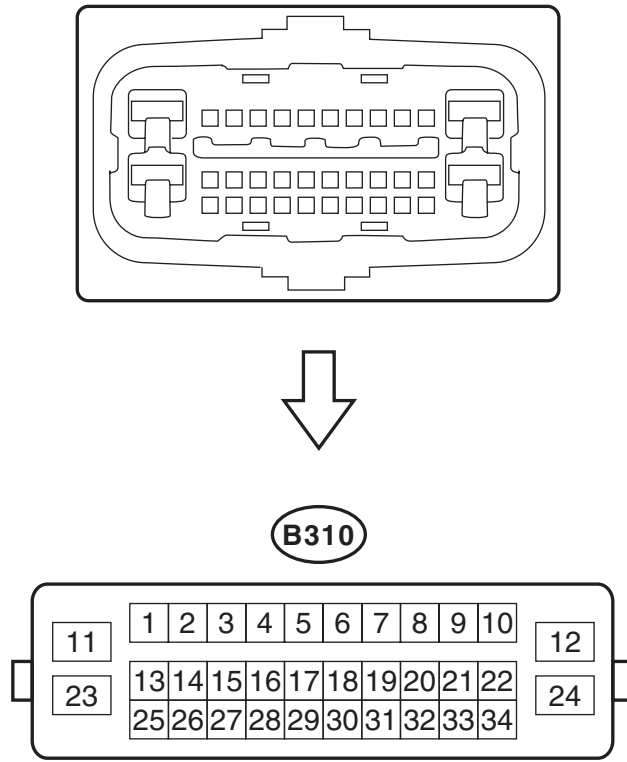


Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



VDC00613

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

NOTE:

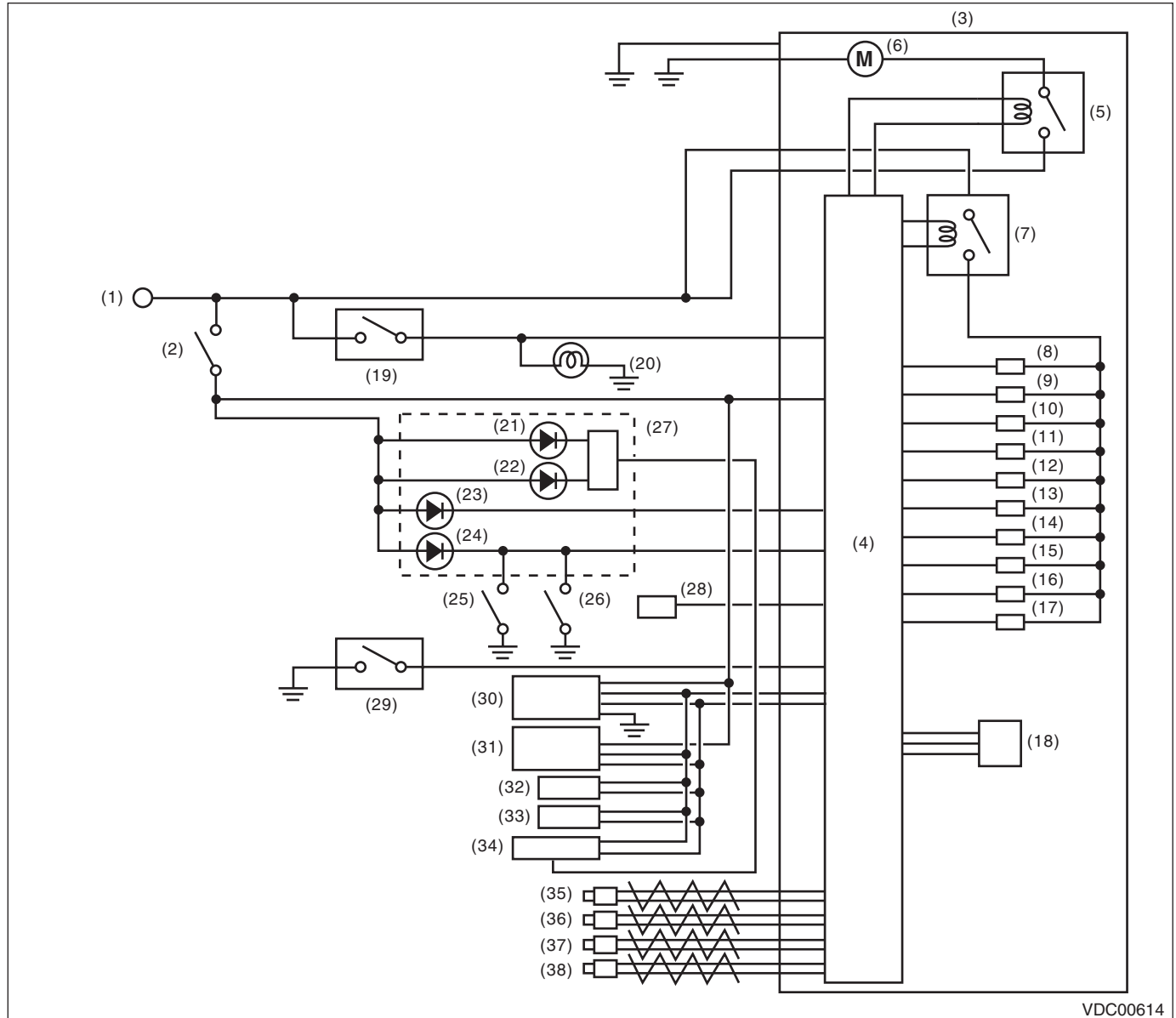
- Terminal numbers in VDCCM&H/U connector are shown in the figure.
- When the connector is removed from VDCCM&H/U, the ABS warning light, EBD warning light, VDC warning light & TCS OFF indicator light illuminate.

Content			Terminal No. (+) — (–)	Input/Output signal
				Measured value and measuring conditions
Power supply			34 — 11	10 — 15 V when the ignition switch is ON.
ABS wheel speed sensor	Front LH wheel	Power supply	18 — 11	8 — 15 V
		Signal	17	5 — 17 mA: Rectangle waveform
	Front RH wheel	Power supply	6 — 11	8 — 15 V
		Signal	5	5 — 17 mA: Rectangle waveform
	Rear LH wheel	Power supply	4 — 11	8 — 15 V
		Signal	3	5 — 17 mA: Rectangle waveform
	Rear RH wheel	Power supply	16 — 11	8 — 15 V
		Signal	15	5 — 17 mA: Rectangle waveform
Yaw rate & G sensor			25 — 13	Serial communication
Steering angle sensor				
CAN communication line (+)			25	Serial communication
CAN communication line (–)			13	Serial communication
Valve relay power supply			12 — 11	Normally 10 — 15V
Motor power supply			24 — 23	10 — 15 V when motor is ON
ABS warning light			8 — 11	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)			7 — 11	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			1 — 11	1.5 V or less when the stop light is OFF; otherwise, 10 — 15 V when the stop light is ON.
Subaru Select Monitor			19 — 11	0 ↔ 12 V pulse (in communication)
Vehicle speed output signal			10	Models without vehicle speed sensitive windshield wipers: 0 ↔ 5 V pulse Models with vehicle speed sensitive windshield wipers: 0 ↔ 12 V pulse
TCS OFF switch			30 — 11	0.5 Ω or less when the OFF switch is ON; 1 MΩ or more when the switch is OFF.
Ground			11	—

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

B: WIRING DIAGRAM



VDC00614

- | | | |
|---|--|--|
| (1) Battery | (15) Rear outlet solenoid valve RH | (25) Parking brake switch |
| (2) Ignition switch | (16) Linear valve 1 | (26) Brake fluid level switch |
| (3) VDC control module and hydraulic control unit (VDCCM&H/U) | (17) Linear valve 2 | (27) Combination meter |
| (4) VDC control module | (18) Pressure sensor | (28) Data link connector |
| (5) Motor relay | (19) Stop light and brake switch | (29) TCS OFF switch |
| (6) Motor | (20) Stop light | (30) Steering angle sensor |
| (7) Valve relay | (21) VDC indicator light (C4 model)
TCS OFF indicator light (except for C4 model) | (31) Yaw rate & G sensor |
| (8) Front inlet solenoid valve LH | (22) VDC warning light & TCS OFF indicator light (C4 model)
VDC warning light & VDC indicator light (except for C4 model) | (32) Transmission control module (TCM) |
| (9) Front outlet solenoid valve LH | (23) ABS warning light | (33) Engine control module (ECM) |
| (10) Front inlet solenoid valve RH | (24) Brake warning light | (34) Body integrated unit |
| (11) Front outlet solenoid valve RH | | (35) Front ABS wheel speed sensor LH |
| (12) Rear inlet solenoid valve LH | | (36) Front ABS wheel speed sensor RH |
| (13) Rear outlet solenoid valve LH | | (37) Rear ABS wheel speed sensor LH |
| (14) Rear inlet solenoid valve RH | | (38) Rear ABS wheel speed sensor RH |