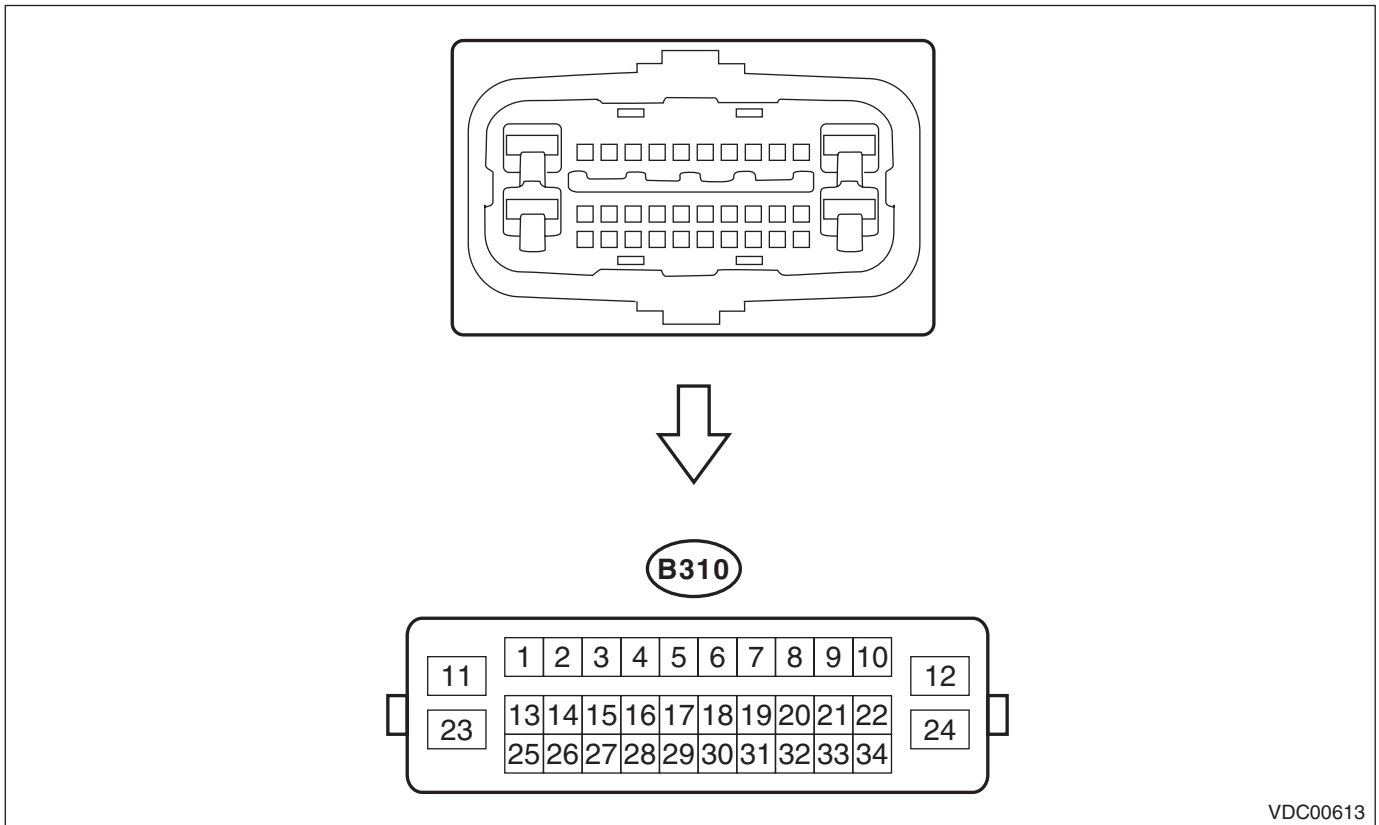


Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



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.

Control Module I/O Signal

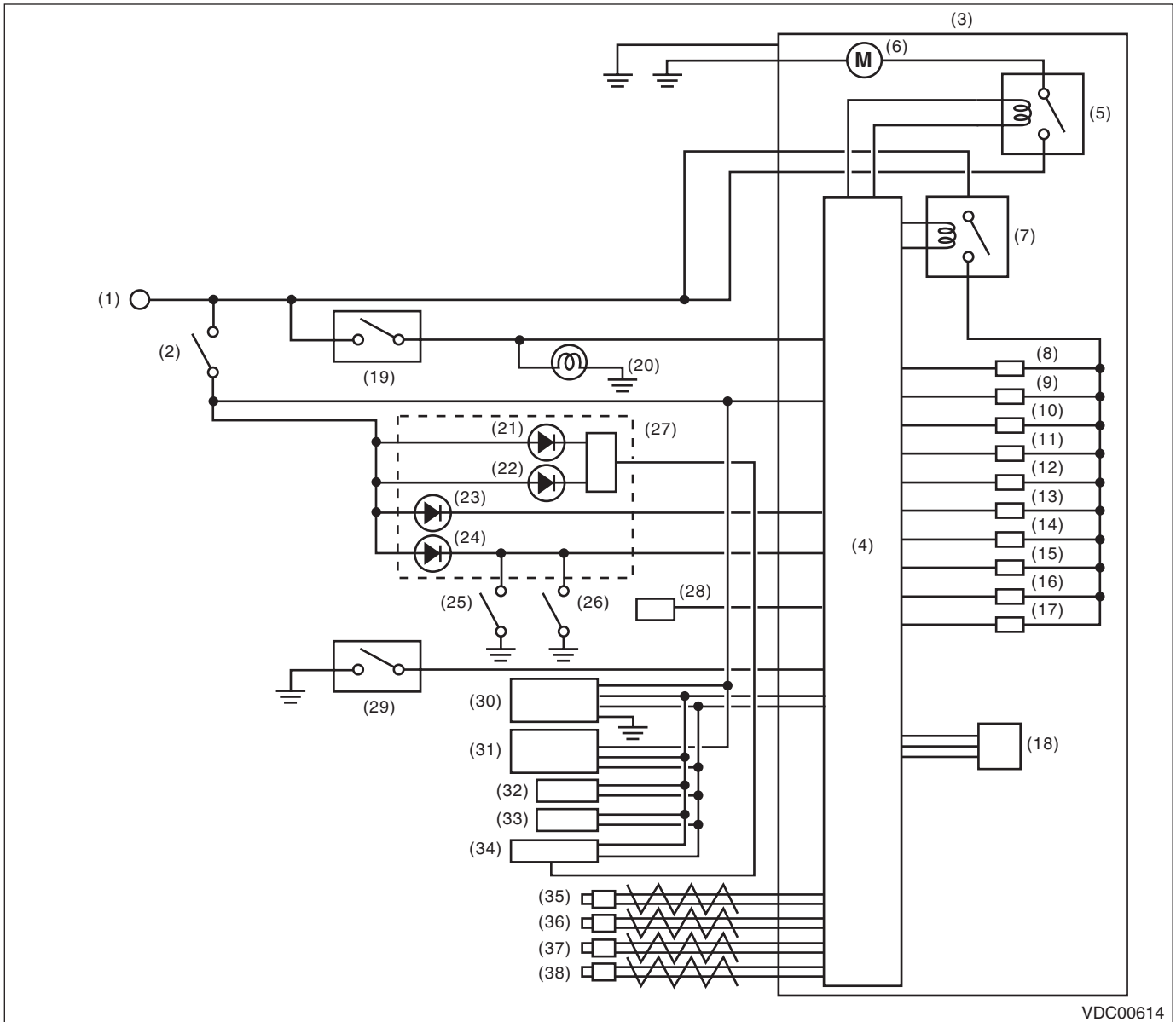
VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

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



Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

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