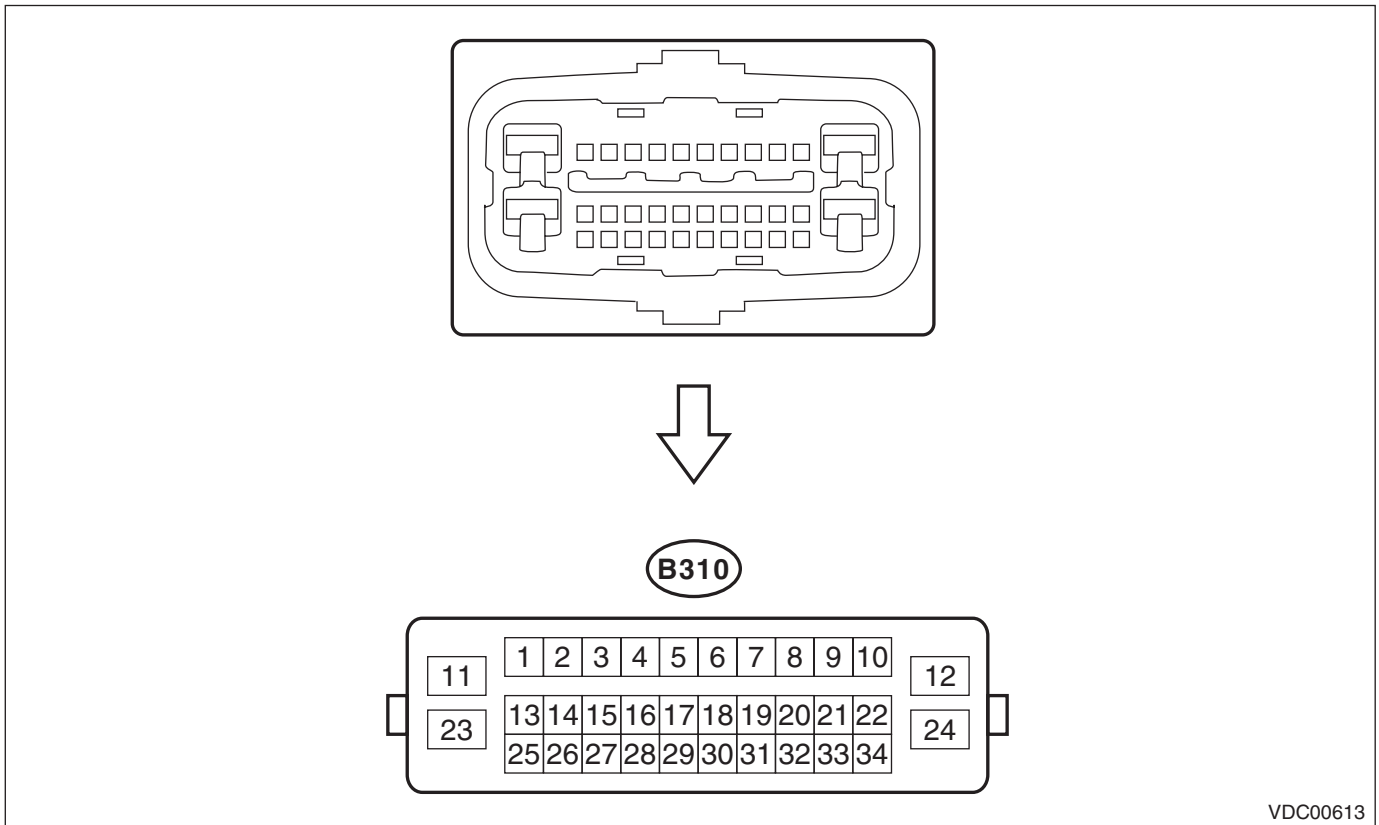


Control Module I/O Signal

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 and TCS OFF indicator light illuminate.

Control Module I/O Signal

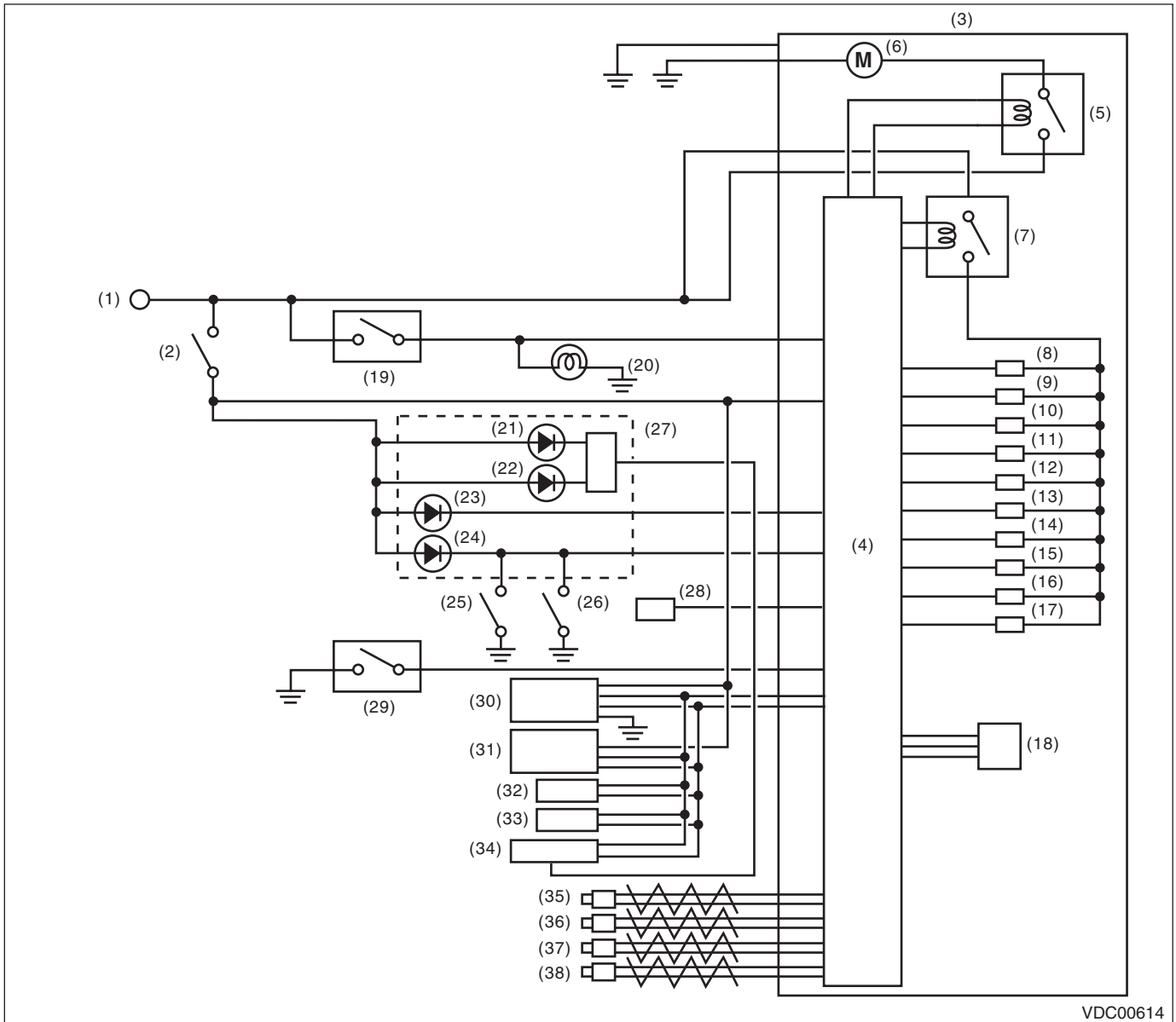
VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

Contents			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 & lateral 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	10 — 15 V always.
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 for 1.5 seconds and less than 1.5 V after 1.5 seconds passed.
Brake warning light (EBD warning light)			7 — 11	After turning the ignition switch to ON, 10 — 15 V for 1.5 seconds and less than 1.5 V after 1.5 seconds passed.
Stop light switch			1 — 11	Less than 1.5 V 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	Model without vehicle speed dependent wiper: 0 ↔ 5 V pulse Model without vehicle speed dependent wiper: 0 ↔ 12 V pulse
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	(15) Rear outlet solenoid valve RH	(28) Data link connector
(2) Ignition switch	(16) Linear valve 1	(29) TCS OFF switch
(3) VDC control module & hydraulic control unit (VDCCM&H/U)	(17) Linear valve 2	(30) Steering angle sensor
(4) VDC control module	(18) Pressure sensor	(31) Yaw rate & G sensor
(5) Motor relay	(19) Stop light switch	(32) Transmission control module (TCM)
(6) Motor	(20) Stop light	(33) Engine control module (ECM)
(7) Valve relay	(21) VDC indicator light	(34) Body integrated unit
(8) Front inlet solenoid valve LH	(22) VDC warning light and TCS OFF indicator light	(35) Front ABS wheel speed sensor LH
(9) Front outlet solenoid valve LH	(23) ABS warning light	(36) Front ABS wheel speed sensor RH
(10) Front inlet solenoid valve RH	(24) Brake warning light	(37) Rear ABS wheel speed sensor LH
(11) Front outlet solenoid valve RH	(25) Parking brake switch	(38) Rear ABS wheel speed sensor RH
(12) Rear inlet solenoid valve LH	(26) Brake fluid level switch	
(13) Rear outlet solenoid valve LH	(27) Combination meter	
(14) Rear inlet solenoid valve RH		