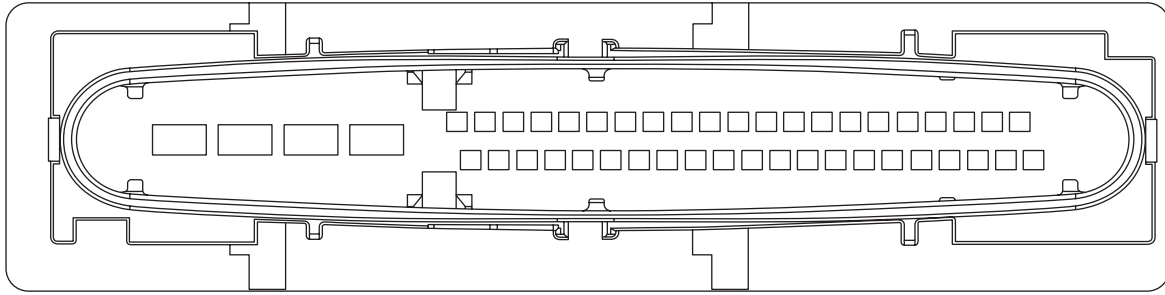


Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

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 the VDCCM&H/U, the brake warning light (EBD warning light), ABS warning light, VDC warning light, VDC OFF indicator light, and the hill start assist warning light illuminate.

Control Module I/O Signal

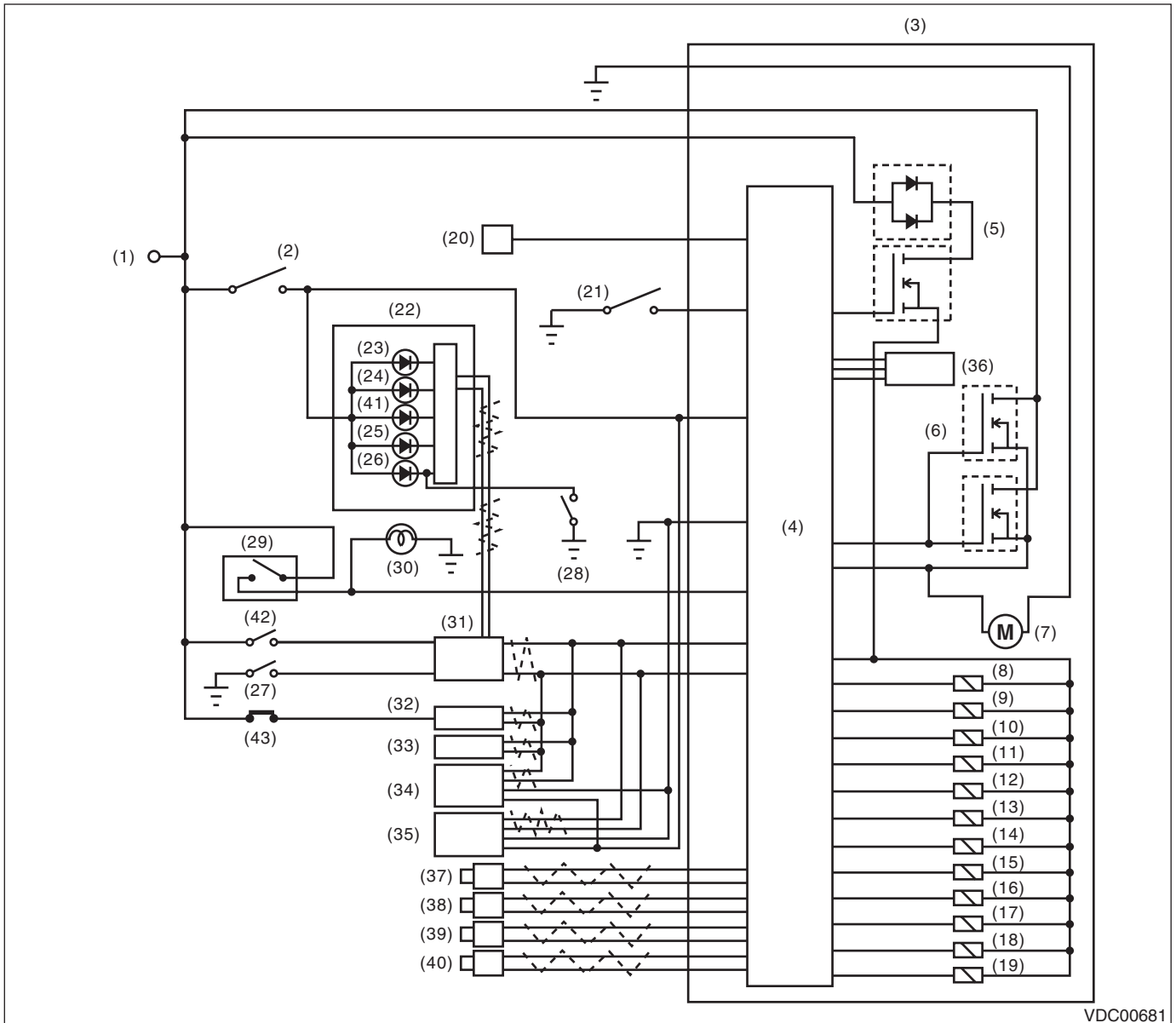
VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

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.
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 ↔ 5 V pulse
VDC OFF switch			31 — 22	0.5 Ω or less when the OFF switch is ON; otherwise 1 MΩ or more when it is OFF.
Ground			25	—

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

B: WIRING DIAGRAM



VDC00681

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

(1) Battery	(16) Primary cut solenoid valve	(31) Body integrated unit
(2) Ignition switch	(17) Primary suction solenoid valve	(32) Engine control module (ECM)
(3) VDC control module and hydraulic control unit (VDCCM&H/U)	(18) Secondary cut solenoid valve	(33) Transmission control module (TCM)
(4) VDC control module	(19) Secondary suction solenoid valve	(34) Steering angle sensor
(5) Valve relay	(20) Data link connector	(35) Yaw rate & G sensor
(6) Motor relay	(21) VDC OFF switch	(36) Pressure sensor
(7) Motor	(22) Combination meter	(37) Front ABS wheel speed sensor LH
(8) Front inlet solenoid valve LH	(23) VDC indicator light	(38) Front ABS wheel speed sensor RH
(9) Front outlet solenoid valve LH	(24) VDC warning light & VDC OFF indicator light	(39) Rear ABS wheel speed sensor LH
(10) Front inlet solenoid valve RH	(25) ABS warning light	(40) Rear ABS wheel speed sensor RH
(11) Front outlet solenoid valve RH	(26) Brake warning light (EBD warning light)	(41) Hill start assist warning light (MT model only)
(12) Rear inlet solenoid valve LH	(27) Parking brake switch	(42) Back-up light switch (MT model only)
(13) Rear outlet solenoid valve LH	(28) Brake fluid level switch	(43) Clutch switch (MT model only)
(14) Rear inlet solenoid valve RH	(29) Stop light and brake switch	
(15) Rear outlet solenoid valve RH	(30) Stop light	