

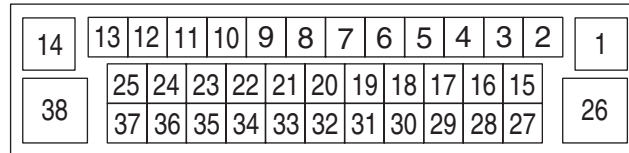
Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

5. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION

TO **B310**



VDC01159

NOTE:

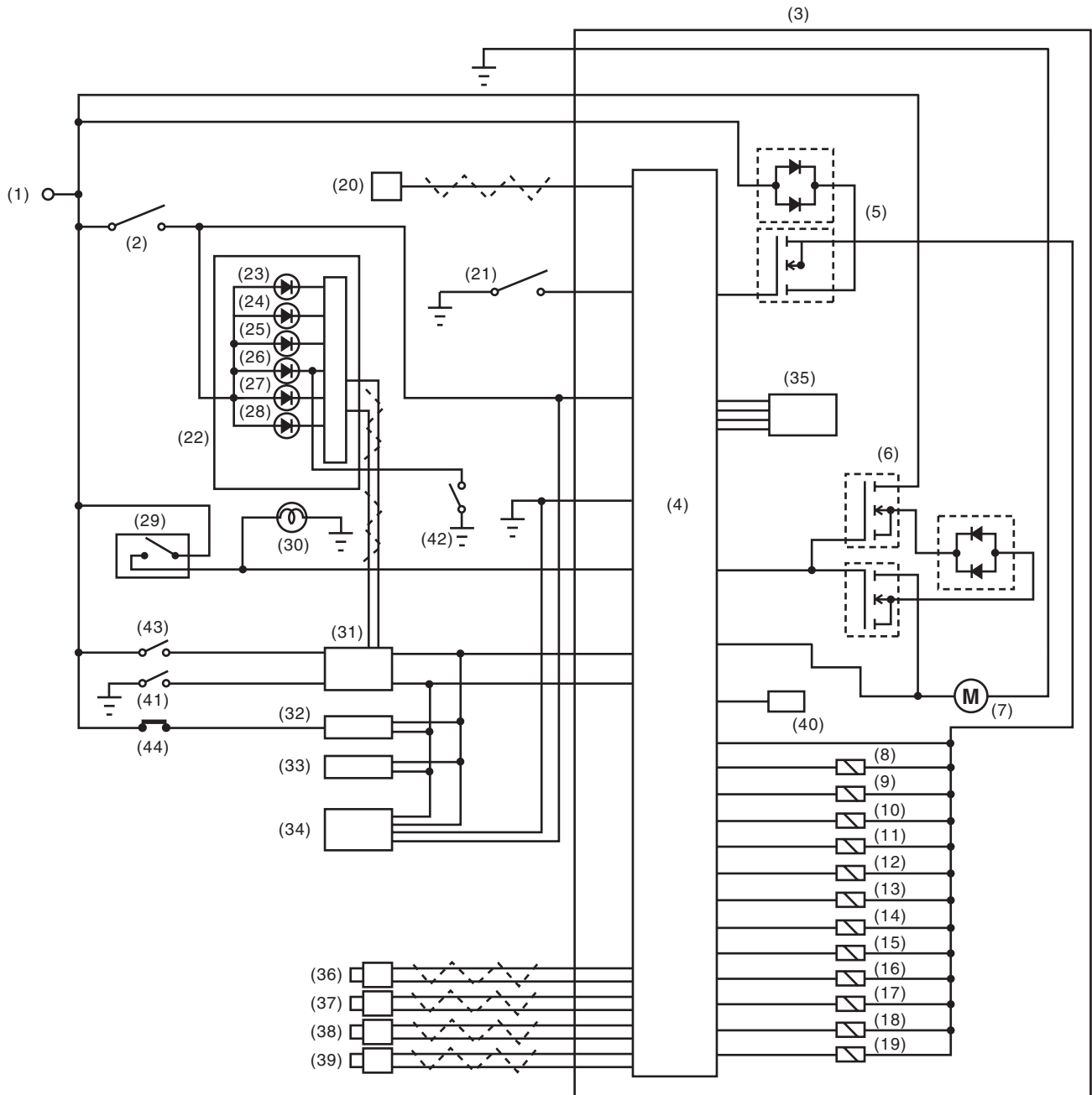
- Terminal numbers in VDCCM&H/U connector (on the control module side) are shown in the figure.
- When the connector is removed from the VDCCM&H/U, the brake warning light (EBD warning light), ABS warning light, VDC warning light & VDC indicator light, VDC OFF indicator light, and the hill start assist warning light illuminate.

Contents			Terminal No. (+) — (–)	Input/Output signal
				Measured value and measuring conditions
Power supply			31 — 38	10 — 15 V when the ignition switch is ON.
ABS wheel speed sensor	Front LH wheel	Power supply	12 — 38	0 — 18 V
		Signal	13	7 — 14 mA: Rectangle waveform
	Front RH wheel	Power supply	3 — 38	0 — 18 V
		Signal	2	7 — 14 mA: Rectangle waveform
	Rear LH wheel	Power supply	5 — 38	0 — 18 V
		Signal	6	7 — 14 mA: Rectangle waveform
	Rear RH wheel	Power supply	10 — 38	0 — 18 V
		Signal	9	7 — 14 mA: Rectangle waveform
CAN communication line (H)			36	2.75 — 4.5 V pulse signal
CAN communication line (L)			35	0.5 — 2.25 V pulse signal
Valve relay power supply			1 — 38	10 — 15 V when the ignition switch is ON.
Motor relay power supply			26 — 38	10 — 15 V when the ignition switch is ON.
Stop light switch			27 — 38	1.5 V or less when the stop light is OFF; otherwise, 10 — 15 V when the stop light is ON.
Vehicle speed output signal			30	0 ↔ 12 V pulse
VDC OFF switch			21 — 38	1 Ω or less when the OFF switch is “ON”; 1 MΩ or more when the switch is “OFF”.
Ground			38	—

Control Module I/O Signal

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

B: WIRING DIAGRAM



VDC01282

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) (CVT model) Driver's control center differential control module (DCCD) (STI model)
(4) VDC control module	(19) Secondary suction solenoid valve	(34) Steering angle sensor
(5) Valve relay	(20) Data link connector	(35) Pressure sensor
(6) Motor relay	(21) VDC OFF switch	(36) Front ABS wheel speed sensor LH
(7) Motor	(22) Combination meter	(37) Front ABS wheel speed sensor RH
(8) Front inlet solenoid valve LH	(23) VDC OFF indicator light	(38) Rear ABS wheel speed sensor LH
(9) Front outlet solenoid valve LH	(24) VDC warning light & VDC indicator light	(39) Rear ABS wheel speed sensor RH
(10) Front inlet solenoid valve RH	(25) ABS warning light	(40) Yaw rate & G sensor
(11) Front outlet solenoid valve RH	(26) Brake warning light (EBD warning light)	(41) Parking brake switch
(12) Rear inlet solenoid valve LH	(27) Hill start assist warning light	(42) Brake fluid level switch
(13) Rear outlet solenoid valve LH	(28) VDC traction mode indicator light	(43) Back-up light switch (MT model)
(14) Rear inlet solenoid valve RH	(29) Stop light switch	(44) Clutch switch (MT model)
(15) Rear outlet solenoid valve RH	(30) Stop light	