

## List of Diagnostic Trouble Code (DTC)

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

### 12. List of Diagnostic Trouble Code (DTC)

#### A: LIST

DTC	Detail code No.	Display	Content of diagnosis	Reference target
—		Communication for initialization impossible	Subaru Select Monitor communication failure	<Ref. to VDC(diag)-32, COMMUNICATION FOR INITIALIZING IS IMPOSSIBLE (SUBARU SELECT MONITOR COMMUNICATION MALFUNCTION), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
—		No DTC	Even when the DTC is not displayed on the Subaru Select Monitor display, the ABS warning light, VDC warning light/VDC OFF indicator light and VDC operation indicator light do not come on.	<Ref. to VDC(diag)-35, ABS WARNING LIGHT, VDC WARNING LIGHT/VDC OFF INDICATOR LIGHT, BRAKE WARNING LIGHT (EBD WARNING LIGHT) OR VDC INDICATOR LIGHT DOES NOT COME ON, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
—		No DTC	Even when the DTC is not displayed on the Subaru Select Monitor display, the ABS warning light, VDC warning light/VDC OFF indicator light and brake warning light (EBD warning light) do not come on.	<Ref. to VDC(diag)-38, ABS WARNING LIGHT, VDC WARNING LIGHT/VDC OFF INDICATOR LIGHT, BRAKE WARNING LIGHT (EBD WARNING LIGHT) DOES NOT GO OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
—		No DTC	Even when the DTC is not displayed on the Subaru Select Monitor display, the VDC indicator light does not extinguish.	<Ref. to VDC(diag)-41, VDC INDICATOR LIGHT DOES NOT GO OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
21	6A0XH	Front Right ABS Sensor Circuit Open or Shorted Battery	Open or Short Circuit in Front ABS Wheel Speed Sensor RH Circuit	<Ref. to VDC(diag)-42, DTC 21 FRONT RIGHT ABS SENSOR CIRCUIT OPEN OR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
22	68CXH 68EXH 690XH 694XH	Front Right ABS Wheel Sensor Signal Malfunction	Front ABS wheel speed sensor RH signal error	<Ref. to VDC(diag)-47, DTC 22 FRONT RIGHT ABS SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
23	620XH	Front Left ABS Sensor Circuit Open or Shorted Battery	Open or Short Circuit in Front ABS Wheel Speed Sensor LH Circuit	<Ref. to VDC(diag)-42, DTC 23 FRONT LEFT ABS SENSOR CIRCUIT OPEN OR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
24	60CXH 60EXH 610XH 614XH	Front Left ABS Wheel Speed Sensor Signal Malfunction	Front ABS wheel speed sensor LH signal error	<Ref. to VDC(diag)-47, DTC 24 FRONT LEFT ABS SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
25	660XH	Open/High Input of Rear ABS Wheel Speed Sensor RH	Open or Short Circuit in Rear ABS Wheel Speed Sensor RH Circuit	<Ref. to VDC(diag)-42, DTC 25 REAR RIGHT ABS SENSOR CIRCUIT OPEN OR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
26	64CXH 64EXH 650XH 654XH	Rear Right ABS Wheel Speed Sensor Signal Malfunction	Rear ABS wheel speed sensor RH signal error	<Ref. to VDC(diag)-47, DTC 26 REAR RIGHT ABS SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
27	6E0XH	Open/High Input of Rear ABS Wheel Speed Sensor LH	Open or Short Circuit in Rear ABS Wheel Speed Sensor LH Circuit	<Ref. to VDC(diag)-43, DTC 27 REAR LEFT ABS SENSOR CIRCUIT OPEN OR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
28	6CCXH 6CEXH 6D0XH 6D4XH	Rear Left ABS Wheel Speed Sensor Signal Malfunction	Rear ABS wheel speed sensor LH signal error	<Ref. to VDC(diag)-48, DTC 28 REAR LEFT ABS SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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29	604XH 606XH 608XH 644XH 646XH 648XH 684XH 686XH 688XH 6C4XH 6C6XH 6C8XH 702XH 704XH 720XH 70CXH	Any One of Four ABS Sensors Signal	One sensor signal error of any of the four ABS wheel speed sensors	<Ref. to VDC(diag)-53, DTC 29 ANY OF WHEEL SENSORS SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
31	320XH	FR hold valve malfunction	Front inlet solenoid valve RH malfunction	<Ref. to VDC(diag)-56, DTC 31 FRONT SOLENOID RIGHT INLET VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
32	360XH	FR pressure reducing valve malfunction	Front outlet solenoid valve RH malfunction	<Ref. to VDC(diag)-62, DTC 32 FRONT RIGHT OUTLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
33	220XH	FL hold valve malfunction	Front inlet solenoid valve LH malfunction	<Ref. to VDC(diag)-56, DTC 33 FRONT LEFT INLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
34	260XH	FL pressure reducing valve malfunction	Front outlet solenoid valve LH malfunction	<Ref. to VDC(diag)-62, DTC 34 FRONT LEFT OUTLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
35	2A0XH	RR hold valve malfunction	Rear inlet solenoid valve RH malfunction	<Ref. to VDC(diag)-56, DTC 35 REAR RIGHT INLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
36	2E0XH	RR pressure reducing valve malfunction	Rear outlet solenoid valve RH malfunction	<Ref. to VDC(diag)-62, DTC 36 REAR RIGHT OUTLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
37	3A0XH	RL hold valve malfunction	Rear inlet solenoid valve LH malfunction	<Ref. to VDC(diag)-56, DTC 37 REAR LEFT INLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
38	3E0XH	RL pressure reducing valve malfunction	Rear outlet solenoid valve LH malfunction	<Ref. to VDC(diag)-62, DTC 38 REAR LEFT OUTLET SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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41	000XH 002XH 004XH 006XH 014XH 016XH 018XH 024XH 026XH 028XH 02CXH 02EXH 030XH 03AXH 03EXH 034XH 036XH 038XH 9D4XH 9E0XH	ECM	VDCCM malfunction	<Ref. to VDC(diag)-68, DTC 41 ECM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
42	7CEXH 7D0XH	Low power supply voltage	Power supply voltage malfunction	<Ref. to VDC(diag)-70, DTC 42 POWER VOLTAGE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
44	9A0XH	AT communication	TCM communication line malfunction	<Ref. to VDC(diag)-72, DTC 44 TCM COMMUNICATION CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
45	970XH	Different control module specification	Incorrect VDCCM	<Ref. to VDC(diag)-74, DTC 45 INCORRECT VDC CONTROL MODULE SPECIFICATIONS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
45	972XH	AT ECM	TCM error specifications	<Ref. to VDC(diag)-74, DTC 45 TCM MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
46	9CEXH	5 V power supply	5 V power supply voltage error	<Ref. to VDC(diag)-75, DTC 46 ABNORMAL VOLTAGE OF 5V POWER SUPPLY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
47	788XH 78CXH 7A0XH 7A4XH	Improper CAN communication	Defective CAN communication line	<Ref. to VDC(diag)-78, DTC 47 IMPROPER CAN COMMUNICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
51	048XH	Valve relay OFF malfunction	Defective valve relay	<Ref. to VDC(diag)-81, DTC 51 VALVE RELAY OFF MALFUNCTION/ VALVE RELAY TEST MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	064XH	Valve relay ON malfunction		<Ref. to VDC(diag)-87, DTC 51 MOTOR AND MOTOR RELAY ON FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	06AXH	Valve relay test malfunction		<Ref. to VDC(diag)-81, DTC 51 VALVE RELAY OFF MALFUNCTION/ VALVE RELAY TEST MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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52	5A0XH	Motor/Motor relay OFF malfunction	Defective motor and motor relay OFF	<Ref. to VDC(diag)-91, DTC 52 MOTOR/MOTOR RELAY OFF MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	58EXH	Motor/Motor relay ON malfunction	Defective motor and motor relay ON	<Ref. to VDC(diag)-94, DTC 52 MOTOR/MOTOR RELAY ON MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	58CXH	Motor	Defective motor	<Ref. to VDC(diag)-98, DTC 52 MOTOR MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
57	820XH	EGI ECM signal	ECM communication failure	<Ref. to VDC(diag)-101, DTC 57 ECM COMMUNICATION CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
61	4A0XH	VDC switching valve 1 (S)	Secondary cut valve malfunction	<Ref. to VDC(diag)-56, DTC 61 SECONDARY CUT SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
62	4E0XH	VDC switching valve 1 (P)	Primary cut valve malfunction	<Ref. to VDC(diag)-57, DTC 62 PRIMARY CUT SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
63	520XH	VDC switching valve 2 (S)	Secondary suction valve malfunction	<Ref. to VDC(diag)-62, DTC 63 SECONDARY SUCTION SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
64	560XH	VDC switching valve 2 (P)	Primary suction valve malfunction	<Ref. to VDC(diag)-63, DTC 64 PRIMARY SUCTION SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
71	148XH	Steering angle sensor offset is too big	The steering angle sensor offset is too large.	<Ref. to VDC(diag)-103, DTC 71 STEERING ANGLE SENSOR OFFSET IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	14AXH	Change range of steering angle sensor is too big	The steering angle sensor change range is too large.	<Ref. to VDC(diag)-105, DTC 71 CHANGE RANGE OF STEERING ANGLE SENSOR IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	142XH 144XH 146XH 158XH 15AXH 15CXH 15EXH	Steering angle sensor output	Defective steering angle sensor	<Ref. to VDC(diag)-107, DTC 71 STEERING ANGLE SENSOR MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	14CXH 14EXH 150XH 152XH 160XH	No signal from steering angle sensor	Signals from the steering angle sensor are not sent.	<Ref. to VDC(diag)-109, DTC 71 STEERING ANGLE SENSOR COMMUNICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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72	180XH 182XH 184XH 186XH 188XH 18BXH 18EXH 190XH 192XH 194XH 196XH 198XH 19AXH	Yaw rate sensor output	Yaw rate sensor output error	<Ref. to VDC(diag)-111, DTC 72 ABNORMAL YAW RATE SENSOR OUTPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1A0XH	Yaw rate sensor power/output	Voltage input to the yaw rate sensor exceeds specifications.	<Ref. to VDC(diag)-113, DTC 72 VOLTAGE INPUTTED TO YAW RATE SENSOR EXCEEDS SPECIFICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	19CXH	Yaw rate sensor reference	Yaw rate sensor reference voltage malfunction	<Ref. to VDC(diag)-115, DTC 72 ABNORMAL YAW RATE SENSOR REFERENCE VOLTAGE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	18CXH	Excessive variation amount of yaw rate sensor output	The yaw rate sensor signal change range is too large.	<Ref. to VDC(diag)-117, DTC 72 CHANGE RANGE OF YAW RATE SENSOR SIGNAL IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1C8XH 1CAXH	Excessive amount of lateral G sensor output offset	The lateral G sensor offset is too large.	<Ref. to VDC(diag)-119, DTC 73 LATERAL G SENSOR OFFSET IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1C0XH 1C6XH 1D8XH	Lateral G sensor output	Lateral G sensor output malfunction	<Ref. to VDC(diag)-119, DTC 73 ABNORMAL LATERAL G SENSOR OUTPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1CCXH	Excessive variation amount of lateral G sensor output	The lateral G sensor change range is too large.	<Ref. to VDC(diag)-119, DTC 73 CHANGE RANGE OF LATERAL G SENSOR SIGNAL IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1D2XH	Excessive lateral G sensor output	Excessive Lateral G Sensor Signal	<Ref. to VDC(diag)-120, DTC 73 EXCESSIVE LATERAL G SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	1E0XH	Lateral G sensor power/output	Voltage input to the lateral G sensor exceeds specifications.	<Ref. to VDC(diag)-122, DTC 73 VOLTAGE INPUTTED TO LATERAL G SENSOR EXCEEDS SPECIFICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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74	120XH	Primary pressure sensor power/output	Voltage input to the primary pressure sensor exceeds specifications.	<Ref. to VDC(diag)-125, DTC 74 VOLTAGE INPUTTED TO PRESSURE SENSOR 1 EXCEEDS SPECIFICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	122XH	Secondary pressure sensor power/output	Voltage input to the secondary pressure sensor exceeds specifications.	<Ref. to VDC(diag)-128, DTC 74 VOLTAGE INPUTTED TO PRESSURE SENSOR 2 EXCEEDS SPECIFICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	110XH	Primary pressure sensor offset is too big	The primary pressure sensor offset is too big.	<Ref. to VDC(diag)-130, DTC 74 PRESSURE SENSOR 1 OFFSET IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	112XH	Secondary pressure sensor offset is too big	The secondary pressure sensor offset is too big.	<Ref. to VDC(diag)-131, DTC 74 PRESSURE SENSOR 2 OFFSET IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	10AXH	Differential pressure of pressure sensor is too big	The differential pressure of the pressure sensor is too big.	<Ref. to VDC(diag)-133, DTC 74 DIFFERENTIAL PRESSURE OF PRESSURE SENSOR IS TOO BIG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

If either of the following multiple of DTC are in the memory, check the part that corresponds to the first DTC. If a problem is not detected, check the portions that correspond to the other DTC in the order that the codes appear.

Combination of DTC	Problem portions	Reference target
46 5 V power supply voltage error 74 Voltage input to the pressure sensor exceeds specifications.	(B310) — No. 77 lead circuit is shorted to the ground or battery.	<Ref. to VDC(diag)-75, DTC 46 ABNORMAL VOLTAGE OF 5V POWER SUPPLY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
44 TCM communication circuit 71 Signals from the steering angle sensor are not sent.	(B310) — No. 83 or 81 lead circuits are open.	<Ref. to VDC(diag)-109, DTC 71 STEERING ANGLE SENSOR COMMUNICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
51 Valve relay 71 Signals from the steering angle sensor are not sent.	(B310) — No. 27 lead circuit is open.	<Ref. to VDC(diag)-109, DTC 71 STEERING ANGLE SENSOR COMMUNICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
71 Signals from the steering angle sensor are not sent. 51 Valve relay 44 TCM communication circuit	(B310) — No. 27 lead circuit is open.	<Ref. to VDC(diag)-109, DTC 71 STEERING ANGLE SENSOR COMMUNICATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
73 Voltage input to the lateral G sensor exceeds specifications. 72 Voltage input to the yaw rate sensor exceeds specifications.	(B310) — No. 50 lead circuit is open.	<Ref. to VDC(diag)-120, DTC 73 EXCESSIVE LATERAL G SENSOR SIGNAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>