

LIST OF DIAGNOSTIC TROUBLE CODES (DTC)

ABS (DIAGNOSTICS)

11. List of Diagnostic Trouble Codes (DTC)

A: LIST

1. WITHOUT SUBARU SELECT MONITOR

DTC No.	Contents of diagnosis		Index No.
11	Start code <ul style="list-style-type: none"> • DTC is shown after start code. • Only the start code is shown in normal condition. 		—
21	Abnormal ABS sensor (open circuit or input voltage too high)	Front ABS sensor RH	<Ref. to ABS-39, DTC 21 — ABNORMAL FRONT ABS SENSOR RH (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) —, Diagnosis Chart with Diagnosis connector.>
23		Front ABS sensor LH	<Ref. to ABS-39, DTC 23 — ABNORMAL FRONT ABS SENSOR LH (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) —, Diagnosis Chart with Diagnosis connector.>
25		Rear ABS sensor RH	<Ref. to ABS-39, DTC 25 — ABNORMAL REAR ABS SENSOR RH (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) —, Diagnosis Chart with Diagnosis connector.>
27		Rear ABS sensor LH	<Ref. to ABS-40, DTC 27 — ABNORMAL REAR ABS SENSOR LH (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) —, Diagnosis Chart with Diagnosis connector.>
22	Abnormal ABS sensor (Abnormal ABS sensor signal)	Front ABS sensor RH	<Ref. to ABS-45, DTC 22 — FAULTY FRONT ABS SENSOR RH (ABNORMAL ABS SENSOR SIGNAL) —, Diagnosis Chart with Diagnosis connector.>
24		Front ABS sensor LH	<Ref. to ABS-45, DTC 24 — FAULTY FRONT ABS SENSOR LH (ABNORMAL ABS SENSOR SIGNAL) —, Diagnosis Chart with Diagnosis connector.>
26		Rear ABS sensor RH	<Ref. to ABS-45, DTC 26 — FAULTY REAR ABS SENSOR RH (ABNORMAL ABS SENSOR SIGNAL) —, Diagnosis Chart with Diagnosis connector.>
28		Rear ABS sensor LH	<Ref. to ABS-46, DTC 28 — FAULTY REAR ABS SENSOR LH (ABNORMAL ABS SENSOR SIGNAL) —, Diagnosis Chart with Diagnosis connector.>
29		Any one of four	<Ref. to ABS-50, DTC 29 — ABS SENSOR FAILURE (ABNORMAL ABS SENSOR SIGNAL) (ANY ONE OF FOUR) —, Diagnosis Chart with Diagnosis connector.>

LIST OF DIAGNOSTIC TROUBLE CODES (DTC)

ABS (DIAGNOSTICS)

DTC No.	Contents of diagnosis	Index No.
31	Abnormal solenoid valve circuit(s) in ABS control module and hydraulic unit	<Ref. to ABS-53, DTC 31 — ABNORMAL FRONT INLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
32		<Ref. to ABS-57, DTC 32 — ABNORMAL FRONT OUTLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
33		<Ref. to ABS-53, DTC 33 — ABNORMAL FRONT INLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
34		<Ref. to ABS-57, DTC 34 — ABNORMAL FRONT OUTLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
35		<Ref. to ABS-53, DTC 35 — ABNORMAL REAR INLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
36		<Ref. to ABS-57, DTC 36 — ABNORMAL REAR OUTLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
37		<Ref. to ABS-54, DTC 37 — ABNORMAL REAR INLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
38		<Ref. to ABS-58, DTC 38 — ABNORMAL REAR OUTLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
41	ABS control module malfunction	<Ref. to ABS-62, DTC 41 — ABS CONTROL MODULE MALFUNCTION —, Diagnosis Chart with Diagnosis connector.>
42	Abnormal power source voltage	<Ref. to ABS-64, DTC 42 — POWER SOURCE VOLTAGE IS ABNORMAL —, Diagnosis Chart with Diagnosis connector.>
44	AT control combination is abnormal	<Ref. to ABS-68, DTC 44 — AT CONTROL COMBINATION IS ABNORMAL —, Diagnosis Chart with Diagnosis connector.>
51	Valve relay malfunction	<Ref. to ABS-72, DTC 51 — VALVE RELAY MALFUNCTION —, Diagnosis Chart with Diagnosis connector.>
52	Motor and/or motor relay malfunction	<Ref. to ABS-76, DTC 52 — MOTOR AND/OR MOTOR RELAY MALFUNCTION —, Diagnosis Chart with Diagnosis connector.>
54	Stop light switch malfunction	<Ref. to ABS-80, DTC 54 — STOP LIGHT SWITCH MALFUNCTION —, Diagnosis Chart with Diagnosis connector.>
56	Abnormal G sensor output voltage	<Ref. to ABS-82, DTC 56 — ABNORMAL G SENSOR OUTPUT VOLTAGE —, Diagnosis Chart with Diagnosis connector.>

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2. WITH SUBARU SELECT MONITOR

DTC No.	Sub code No.	Display screen	Contents of diagnosis	Index No.
—	—	Communication for initializing impossible	Subaru Select Monitor communication failure	<Ref. to ABS-86, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Chart with Subaru Select Monitor.>
—	—	No trouble code	Although no diagnostic trouble code appears on the Subaru Select Monitor display, the ABS warning light remains on.	<Ref. to ABS-91, NO TROUBLE CODE, Diagnostic Chart with Subaru Select Monitor.>
21	4A02	Open or short circuit in front right ABS sensor circuit	Open or short circuit in front ABS sensor RH circuit	<Ref. to ABS-95, DTC 21 — OPEN OR SHORT CIRCUIT IN FRONT ABS SENSOR RH CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
22	48C5, 4945 48E5, 4845 4905, 4885	Front right ABS sensor abnormal signal	Front ABS sensor RH abnormal signal	<Ref. to ABS-101, DTC 22 — FRONT ABS SENSOR RH SIGNAL ABNORMAL —, Diagnostic Chart with Subaru Select Monitor.>
23	4202	Open or short circuit in front left ABS sensor circuit	Open or short circuit in front ABS sensor LH circuit	<Ref. to ABS-95, DTC 23 — OPEN OR SHORT CIRCUIT IN FRONT ABS SENSOR LH CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
24	40C5, 4145 40E5, 4045 4105, 4085	Front left ABS sensor abnormal signal	Front ABS sensor LH abnormal signal	<Ref. to ABS-101, DTC 24 — FRONT ABS SENSOR LH SIGNAL ABNORMAL —, Diagnostic Chart with Subaru Select Monitor.>
25	4602	Open or short circuit in rear right ABS sensor circuit	Open or short circuit in rear ABS sensor RH circuit	<Ref. to ABS-95, DTC 25 — OPEN OR SHORT CIRCUIT IN REAR ABS SENSOR RH CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
26	44C5, 4545 44E5, 4445 4505, 4485	Rear right ABS sensor abnormal signal	Rear ABS sensor RH abnormal signal	<Ref. to ABS-101, DTC 26 — REAR ABS SENSOR RH SIGNAL ABNORMAL —, Diagnostic Chart with Subaru Select Monitor.>
27	4E02	Open or short circuit in rear left ABS sensor circuit	Open or short circuit in rear ABS sensor LH circuit	<Ref. to ABS-96, DTC 27 — OPEN OR SHORT CIRCUIT IN REAR ABS SENSOR LH CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
28	4CC5, 4D45 4CE5, 4C45 4D05, 4C85	Rear left ABS sensor abnormal signal	Rear ABS sensor LH abnormal signal	<Ref. to ABS-102, DTC 28 — REAR ABS SENSOR LH SIGNAL ABNORMAL —, Diagnostic Chart with Subaru Select Monitor.>
29	5080 50C0	Abnormal ABS sensor signal on any one of four sensor	Abnormal ABS sensor signal on any one of four	<Ref. to ABS-108, DTC 29 — ABS SENSOR FAILURE (ABNORMAL ABS SENSOR SIGNAL) (ANY ONE OF FOUR) —, Diagnostic Chart with Subaru Select Monitor.>
31	3200	Front right inlet valve malfunction	Front inlet valve RH malfunction	<Ref. to ABS-111, DTC 31 — FRONT INLET VALVE RH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
32	3600	Front right outlet valve malfunction	Front outlet valve RH malfunction	<Ref. to ABS-115, DTC 32 — FRONT OUTLET VALVE RH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
33	2200	Front left inlet valve malfunction	Front inlet valve LH malfunction	<Ref. to ABS-111, DTC 33 — FRONT INLET VALVE LH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
34	2600	Front left outlet valve malfunction	Front outlet valve LH malfunction	<Ref. to ABS-115, DTC 34 — FRONT OUTLET VALVE LH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
35	2A00	Rear right inlet valve malfunction	Rear inlet valve RH malfunction	<Ref. to ABS-111, DTC 35 — REAR INLET VALVE RH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
36	2E00	Rear right outlet valve malfunction	Rear outlet valve RH malfunction	<Ref. to ABS-115, DTC 36 — REAR OUTLET VALVE RH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>

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37	3A00	Rear left inlet valve malfunction	Rear inlet valve LH malfunction	<Ref. to ABS-112, DTC 37 — REAR INLET VALVE LH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
38	3E00	Rear left outlet valve malfunction	Rear outlet valve LH malfunction	<Ref. to ABS-116, DTC 38 — REAR OUTLET VALVE LH MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
41	02A0, 0040, 0020 02C0, 00E0, 0340 0140, 0160, 0280 0460, 0260, 0060 0080, 0300	ABS control module malfunction	ABS control module and hydraulic control unit malfunction	<Ref. to ABS-120, DTC 41 — ABS CONTROL MODULE MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
42	5A00	Power supply voltage too low	Power supply voltage too low	<Ref. to ABS-122, DTC 42 — POWER SUPPLY VOLTAGE TOO LOW —, Diagnostic Chart with Subaru Select Monitor.>
42	5A80	Power supply voltage too high	Power supply voltage too high	<Ref. to ABS-124, DTC 42 — POWER SUPPLY VOLTAGE TOO HIGH —, Diagnostic Chart with Subaru Select Monitor.>
44	1600	ABS-AT control (Non Controlled)	ABS-AT control (non Controlled)	<Ref. to ABS-128, DTC 44 — ABS-AT CONTROL (NON CONTROLLED) —, Diagnostic Chart with Subaru Select Monitor.>
44	1500	ABS-AT control (Controlled)	ABS-AT control (controlled)	<Ref. to ABS-130, DTC 44 — ABS-AT CONTROL (CONTROLLED) —, Diagnostic Chart with Subaru Select Monitor.>
51	0C80 0EA0	Valve relay malfunction	Valve relay malfunction	<Ref. to ABS-132, DTC 51 — VALVE RELAY MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
51	0C40	Valve relay ON failure	Valve relay ON failure	<Ref. to ABS-136, DTC 51 — VALVE RELAY MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
52	10A1	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<Ref. to ABS-138, DTC 52 — OPEN CIRCUIT IN MOTOR RELAY CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
52	10E1	Motor relay ON failure	Motor relay ON failure	<Ref. to ABS-140, DTC 52 — MOTOR RELAY ABNORMAL —, Diagnostic Chart with Subaru Select Monitor.>
52	10C1	Motor malfunction	Motor malfunction	<Ref. to ABS-142, DTC 52 — MOTOR MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
54	5600	Stop light switch signal circuit malfunction	Stop light switch signal circuit malfunction	<Ref. to ABS-144, DTC 54 — STOP LIGHT SWITCH SIGNAL CIRCUIT MALFUNCTION —, Diagnostic Chart with Subaru Select Monitor.>
56	7600	Open or short circuit in G sensor circuit	Open or short circuit in G sensor circuit	<Ref. to ABS-146, DTC 56 — OPEN OR SHORT CIRCUIT IN G SENSOR CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
56	7580	Battery short in G sensor circuit	Short circuit to battery in G sensor circuit	<Ref. to ABS-150, DTC 56 — SHORT CIRCUIT TO BATTERY IN G SENSOR CIRCUIT —, Diagnostic Chart with Subaru Select Monitor.>
56	7540	Abnormal G sensor high μ output	Abnormal G sensor high μ output	<Ref. to ABS-156, DTC 56 — ABNORMAL G SENSOR HIGH μ OUTPUT —, Diagnostic Chart with Subaru Select Monitor.>
56	7500	Detection of G sensor stick	Detection of sticky G sensor	<Ref. to ABS-160, DTC 56 — DETECTION OF STICKING G SENSOR —, Diagnostic Chart with Subaru Select Monitor.>