

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	Front inlet valve RH	<Ref. to ABS-53, DTC 31 — ABNORMAL FRONT INLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
32		Front outlet valve RH	<Ref. to ABS-57, DTC 32 — ABNORMAL FRONT OUTLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
33		Front inlet valve LH	<Ref. to ABS-53, DTC 33 — ABNORMAL FRONT INLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
34		Front outlet valve LH	<Ref. to ABS-57, DTC 34 — ABNORMAL FRONT OUTLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
35		Rear inlet valve RH	<Ref. to ABS-53, DTC 35 — ABNORMAL REAR INLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
36		Rear outlet valve RH	<Ref. to ABS-57, DTC 36 — ABNORMAL REAR OUTLET SOLENOID VALVE RH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
37		Rear inlet valve LH	<Ref. to ABS-54, DTC 37 — ABNORMAL REAR INLET SOLENOID VALVE LH CIRCUIT IN ABSCM & H/U —, Diagnosis Chart with Diagnosis connector.>
38		Rear outlet valve LH	<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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ABS (DIAGNOSTICS)

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 INITIAL-IZING 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.>