

LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

ABS (DIAGNOSTICS)

11. List of Diagnostic Trouble Code (DTC)

A: LIST

1. WITHOUT SUBARU SELECT MONITOR

DTC	Contents of diagnosis		Index No.
—	ABS warning light does not illuminate.		<Ref. to ABS-28, ABS WARNING LIGHT DOES NOT COME ON, Diagnostics Procedure without Subaru Select Monitor.>
—	ABS warning light remains on.		<Ref. to ABS-31, ABS WARNING LIGHT DOES NOT GO OFF, Diagnostics Procedure without Subaru Select Monitor.>
—	Brake warning light remains on.		<Ref. to ABS-34, BRAKE WARNING LIGHT DO NOT GO OFF, Diagnostics Procedure without Subaru Select Monitor.>
—	DTC does not illuminate.		<Ref. to ABS-36, DTC DOES NOT APPEAR, Diagnostics Procedure without Subaru Select Monitor.>
11	Start code • DTC is shown after start code. • Only start code is shown in normal condition.		—
21	Abnormal ABS wheel speed sensor (Open circuit or input voltage too high)	Front ABS wheel speed sensor RH	<Ref. to ABS-37, DTC 21 — ABNORMAL ABS WHEEL SPEED SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT RH) —, Diagnostics Procedure without Subaru Select Monitor.>
23		Front ABS wheel speed sensor LH	<Ref. to ABS-37, DTC 23 — ABNORMAL ABS WHEEL SPEED SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT LH) —, Diagnostics Procedure without Subaru Select Monitor.>
25		Rear ABS wheel speed sensor RH	<Ref. to ABS-37, DTC 25 — ABNORMAL ABS WHEEL SPEED SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR RH) —, Diagnostics Procedure without Subaru Select Monitor.>
27		Rear ABS wheel speed sensor LH	<Ref. to ABS-38, DTC 27 — ABNORMAL ABS WHEEL SPEED SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR LH) —, Diagnostics Procedure without Subaru Select Monitor.>
22	Abnormal ABS wheel speed sensor (Abnormal ABS wheel speed sensor signal)	Front ABS wheel speed sensor RH	<Ref. to ABS-42, DTC 22 — ABNORMAL ABS WHEEL SPEED SENSOR (ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL) (FRONT RH) —, Diagnostics Procedure without Subaru Select Monitor.>
24		Front ABS wheel speed sensor LH	<Ref. to ABS-42, DTC 24 — ABNORMAL ABS WHEEL SPEED SENSOR (ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL) (FRONT LH) —, Diagnostics Procedure without Subaru Select Monitor.>
26		Rear ABS wheel speed sensor RH	<Ref. to ABS-42, DTC 26 — ABNORMAL ABS WHEEL SPEED SENSOR (ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL) (REAR RH) —, Diagnostics Procedure without Subaru Select Monitor.>
28		Rear ABS wheel speed sensor LH	<Ref. to ABS-43, DTC 28 — ABNORMAL ABS WHEEL SPEED SENSOR (ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL) (REAR LH) —, Diagnostics Procedure without Subaru Select Monitor.>
29		Any one of four	<Ref. to ABS-47, DTC 29 — ABNORMAL ABS WHEEL SPEED SENSOR (ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL) (ANY ONE OF FOUR) —, Diagnostics Procedure without Subaru Select Monitor.>

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DTC	Contents of diagnosis		Index No.
31	Inlet valve, outlet valve in hydraulic control unit	Front inlet valve RH	<Ref. to ABS-51, DTC 31 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH) —, Diagnostics Procedure without Subaru Select Monitor.>
32		Front outlet valve RH	<Ref. to ABS-54, DTC 32 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH) —, Diagnostics Procedure without Subaru Select Monitor.>
33		Front inlet valve LH	<Ref. to ABS-51, DTC 33 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH) —, Diagnostics Procedure without Subaru Select Monitor.>
34		Front outlet valve LH	<Ref. to ABS-54, DTC 34 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH) —, Diagnostics Procedure without Subaru Select Monitor.>
35		Rear inlet valve RH	<Ref. to ABS-51, DTC 35 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH) —, Diagnostics Procedure without Subaru Select Monitor.>
36		Rear outlet valve RH	<Ref. to ABS-54, DTC 36 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH) —, Diagnostics Procedure without Subaru Select Monitor.>
37		Rear inlet valve LH	<Ref. to ABS-52, DTC 37 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH) —, Diagnostics Procedure without Subaru Select Monitor.>
38		Rear outlet valve LH	<Ref. to ABS-55, DTC 38 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH) —, Diagnostics Procedure without Subaru Select Monitor.>
41	Abnormal ABS control module		<Ref. to ABS-58, DTC 41 — ABNORMAL ABS CONTROL MODULE —, Diagnostics Procedure without Subaru Select Monitor.>
42	Source voltage is abnormal.		<Ref. to ABS-60, DTC 42 — SOURCE VOLTAGE IS ABNORMAL —, Diagnostics Procedure without Subaru Select Monitor.>
44	A combination of AT control abnormal		<Ref. to ABS-63, DTC 44 — A COMBINATION OF AT CONTROL ABNORMAL —, Diagnostics Procedure without Subaru Select Monitor.>
51	Abnormal valve relay		<Ref. to ABS-65, DTC 51 — ABNORMAL VALVE RELAY —, Diagnostics Procedure without Subaru Select Monitor.>
52	Abnormal motor and/or motor relay		<Ref. to ABS-68, DTC 52 — ABNORMAL MOTOR AND/OR MOTOR RELAY —, Diagnostics Procedure without Subaru Select Monitor.>
54	Abnormal stop light switch		<Ref. to ABS-71, DTC 54 — ABNORMAL STOP LIGHT SWITCH —, Diagnostics Procedure without Subaru Select Monitor.>
56	Abnormal G sensor output voltage		<Ref. to ABS-73, DTC 56 — ABNORMAL G SENSOR OUTPUT VOLTAGE —, Diagnostics Procedure without Subaru Select Monitor.>
73	Abnormal Lateral G sensor output voltage		<Ref. to ABS-76, DTC 73 — ABNORMAL LATERAL G SENSOR OUTPUT VOLTAGE —, Diagnostics Procedure without Subaru Select Monitor.>

2. WITH SUBARU SELECT MONITOR

DTC	Sub code No.	Display screen	Contents of diagnosis	Index No.
—	—	Communication for initializing impossible	Subaru Select Monitor communication failure	<Ref. to ABS-79, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Procedure with Subaru Select Monitor.>
—	—	No DTC	Although no DTC appears on the Subaru Select Monitor display, the ABS warning light remains on.	<Ref. to ABS-82, NO TROUBLE CODE, Diagnostics Procedure with Subaru Select Monitor.>

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21	4A02	Open or short circuit in Front ABS wheel speed sensor RH circuit	Open or short circuit in Front ABS wheel speed sensor RH circuit	<Ref. to ABS-85, DTC 21 — OPEN OR SHORT CIRCUIT IN FRONT RIGHT ABS WHEEL SPEED SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
22	48C5, 4945 48E5, 4845 4905, 4885	Front ABS wheel speed sensor RH abnormal signal	Front ABS wheel speed sensor RH abnormal signal	<Ref. to ABS-91, DTC 22 — FRONT RIGHT ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL —, Diagnostics Procedure with Subaru Select Monitor.>
23	4202	Open or short circuit in Front ABS wheel speed sensor LH circuit	Open or short circuit in Front ABS wheel speed sensor LH circuit	<Ref. to ABS-85, DTC 23 — OPEN OR SHORT CIRCUIT IN FRONT LEFT ABS WHEEL SPEED SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
24	40C5, 4145 40E5, 4045 4105, 4085	Front ABS wheel speed sensor LH abnormal signal	Front ABS wheel speed sensor LH abnormal signal	<Ref. to ABS-91, DTC 24 — FRONT LEFT ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL —, Diagnostics Procedure with Subaru Select Monitor.>
25	4602	Open or short circuit in Rear ABS wheel speed sensor RH circuit	Open or short circuit in Rear ABS wheel speed sensor RH circuit	<Ref. to ABS-85, DTC 25 — OPEN OR SHORT CIRCUIT IN REAR RIGHT ABS WHEEL SPEED SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
26	44C5, 4545 44E5, 4445 4505, 4485	Rear ABS wheel speed sensor RH abnormal signal	Rear ABS wheel speed sensor RH abnormal signal	<Ref. to ABS-91, DTC 26 — REAR RIGHT ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL —, Diagnostics Procedure with Subaru Select Monitor.>
27	4E02	Open or short circuit in Rear ABS wheel speed sensor LH circuit	Open or short circuit in Rear ABS wheel speed sensor LH circuit	<Ref. to ABS-86, DTC 27 — OPEN OR SHORT CIRCUIT IN REAR LEFT ABS WHEEL SPEED SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
28	4CC5, 4D45 4CE5, 4C45 4D05, 4C85	Rear ABS wheel speed sensor LH abnormal signal	Rear ABS wheel speed sensor LH abnormal signal	<Ref. to ABS-92, DTC 28 — REAR LEFT ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL —, Diagnostics Procedure with Subaru Select Monitor.>
29	5080 50C0	Abnormal ABS wheel speed sensor signal on any one of four sensor	Abnormal ABS wheel speed sensor signal on any one of four	<Ref. to ABS-97, DTC 29 — ABNORMAL ABS WHEEL SPEED SENSOR SIGNAL ON ANY ONE OF FOUR SENSOR —, Diagnostics Procedure with Subaru Select Monitor.>
31	3200	Front inlet valve RH malfunction	Front inlet valve RH malfunction	<Ref. to ABS-101, DTC 31 — FRONT RIGHT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
32	3600	Front outlet valve RH malfunction	Front outlet valve RH malfunction	<Ref. to ABS-104, DTC 32 — FRONT RIGHT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
33	2200	Front inlet valve LH malfunction	Front inlet valve LH malfunction	<Ref. to ABS-101, DTC 33 — FRONT LEFT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
34	2600	Front outlet valve LH malfunction	Front outlet valve LH malfunction	<Ref. to ABS-104, DTC 34 — FRONT LEFT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
35	2A00	Rear inlet valve RH malfunction	Rear inlet valve RH malfunction	<Ref. to ABS-101, DTC 35 — REAR RIGHT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
36	2E00	Rear outlet valve RH malfunction	Rear outlet valve RH malfunction	<Ref. to ABS-104, DTC 36 — REAR RIGHT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
37	3A00	Rear inlet valve LH malfunction	Rear inlet valve LH malfunction	<Ref. to ABS-102, DTC 37 — REAR LEFT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
38	3E00	Rear outlet valve LH malfunction	Rear outlet valve LH malfunction	<Ref. to ABS-105, DTC 38 — REAR LEFT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>

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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-108, DTC 41 — ABS CONTROL MODULE MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
42	5A00	Power supply voltage too low	Power supply voltage too low	<Ref. to ABS-110, DTC 42 — POWER SUPPLY VOLTAGE TOO LOW —, Diagnostics Procedure with Subaru Select Monitor.>
	5A80	Power supply voltage too high	Power supply voltage too high	<Ref. to ABS-113, DTC 42 — POWER SUPPLY VOLTAGE TOO HIGH —, Diagnostics Procedure with Subaru Select Monitor.>
44	1600	ABS-AT control (Non Controlled)	ABS-AT control (Non Controlled)	<Ref. to ABS-116, DTC 44 — ABS-AT CONTROL (NON CONTROLLED) —, Diagnostics Procedure with Subaru Select Monitor.>
	1500	ABS-AT control (Controlled)	ABS-AT control (Controlled)	<Ref. to ABS-118, DTC 44 — ABS-AT CONTROL (CONTROLLED) —, Diagnostics Procedure with Subaru Select Monitor.>
51	0C80 0EA0	Valve relay malfunction	Valve relay malfunction	<Ref. to ABS-120, DTC 51 — VALVE RELAY MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
	0C40	Valve relay ON failure	Valve relay ON failure	<Ref. to ABS-123, DTC 51 — VALVE RELAY ON FAILURE —, Diagnostics Procedure with Subaru Select Monitor.>
52	10A1	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<Ref. to ABS-125, DTC 52 — OPEN CIRCUIT IN MOTOR RELAY CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
	10E1	Motor relay ON failure	Motor relay ON failure	<Ref. to ABS-127, DTC 52 — MOTOR RELAY ON FAILURE —, Diagnostics Procedure with Subaru Select Monitor.>
	10C1	Motor malfunction	Motor malfunction	<Ref. to ABS-129, DTC 52 — MOTOR MALFUNCTION —, Diagnostics Procedure with Subaru Select Monitor.>
54	5600	Stop light switch signal circuit malfunction	Stop light switch signal circuit malfunction	<Ref. to ABS-131, DTC 54 — STOP LIGHT SWITCH SIGNAL CIRCUIT MALFUNCTION —, Diagnostics Procedure 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-133, DTC 56 — OPEN OR SHORT CIRCUIT IN G SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
	7580	Battery short in G sensor circuit	Battery short in G sensor circuit	<Ref. to ABS-136, DTC 56 — BATTERY SHORT IN G SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
	7540	Abnormal G sensor high μ output	Abnormal G sensor high μ output	<Ref. to ABS-140, DTC 56 — ABNORMAL G SENSOR HIGH μ OUTPUT —, Diagnostics Procedure with Subaru Select Monitor.>
	7500	Detection of G sensor stick	Detection of G sensor stick	<Ref. to ABS-143, DTC 56 — DETECTION OF G SENSOR STICK —, Diagnostics Procedure with Subaru Select Monitor.>

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73	7A00	Open or short circuit in Lateral G sensor circuit	Open or short circuit in Lateral G sensor circuit	<Ref. to ABS-146, DTC 73 — OPEN OR SHORT CIRCUIT IN LATERAL G SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
	7980	Battery short in Lateral G sensor circuit	Battery short in Lateral G sensor circuit	<Ref. to ABS-149, DTC 73 — BATTERY SHORT IN LATERAL G SENSOR CIRCUIT —, Diagnostics Procedure with Subaru Select Monitor.>
	7940	Abnormal Lateral G sensor high μ output	Abnormal Lateral G sensor high μ output	<Ref. to ABS-153, DTC 73 — ABNORMAL LATERAL G SENSOR HIGH m OUTPUT —, Diagnostics Procedure with Subaru Select Monitor.>
	7900	Detection of Lateral G sensor stick	Detection of Lateral G sensor stick	<Ref. to ABS-156, DTC 73 — DETECTION OF LATERAL G SENSOR STICK —, Diagnostics Procedure with Subaru Select Monitor.>