11.List of Diagnostics Trouble Code (DTC)

A: LIST

1. WITHOUT SUBARU SELECT MONITOR

DTC No.	Contents of diagnosis		Index No.
11	Start code • DTC is shown after start code. • Only 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-40, DTC 21 — ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
23		Front ABS sensor LH	<Ref. to ABS-40, DTC 23 — ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
25		Rear ABS sensor RH	<Ref. to ABS-40, DTC 25 — ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
27		Rear ABS sensor LH	<Ref. to ABS-41, DTC 27 — ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
22	Abnormal ABS sensor (Abnormal ABS sensor signal)	Front ABS sensor RH	<Ref. to ABS-45, DTC 22 — ABNORMAL ABS SENSOR (ABNORMAL ABS SENSOR SIGNAL) (FRONT RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
24		Front ABS sensor LH	<Ref. to ABS-45, DTC 24 — ABNORMAL ABS SENSOR (ABNORMAL ABS SENSOR SIGNAL) (FRONT LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
26		Rear ABS sensor RH	<Ref. to ABS-45, DTC 26 — ABNORMAL ABS SENSOR (ABNORMAL ABS SENSOR SIGNAL) (REAR RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
28		Rear ABS sensor LH	<Ref. to ABS-46, DTC 28 — ABNORMAL ABS SENSOR (ABNORMAL ABS SENSOR SIGNAL) (REAR LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
29		Any one of four	<Ref. to ABS-50, DTC 29 — ABNORMAL ABS SENSOR (ABNORMAL ABS SENSOR SIGNAL) (ANY ONE OF FOUR) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>

LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

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-54, DTC 31 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
32		Front outlet valve RH	<Ref. to ABS-58, DTC 32 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
33		Front inlet valve LH	<Ref. to ABS-54, DTC 33 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
34		Front outlet valve LH	<Ref. to ABS-58, DTC 34 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
35		Rear inlet valve RH	<Ref. to ABS-54, DTC 35 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
36		Rear outlet valve RH	<Ref. to ABS-58, DTC 36 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
37		Rear inlet valve LH	<Ref. to ABS-55, DTC 37 — ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
38		Rear outlet valve LH	<Ref. to ABS-59, DTC 38 — ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH) —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
41	Abnormal ABS control module		<Ref. to ABS-62, DTC 41 — ABNORMAL ABS CONTROL MODULE —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
42	Source voltage is abnormal.		<Ref. to ABS-64, DTC 42 — SOURCE VOLTAGE IS ABNORMAL. —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
44	A combination of AT control abnormal		<Ref. to ABS-67, DTC 44 — A COMBINATION OF AT CONTROL ABNORMAL —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
51	Abnormal valve relay		<Ref. to ABS-69, DTC 51 — ABNORMAL VALVE RELAY —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
52	Abnormal motor and/or motor relay		<Ref. to ABS-72, DTC 52 — ABNORMAL MOTOR AND/OR MOTOR RELAY —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
54	Abnormal stop light switch		<Ref. to ABS-75, DTC 54 — ABNORMAL STOP LIGHT SWITCH —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>
56	Abnormal G sensor output voltage		<Ref. to ABS-77, DTC 56 — ABNORMAL G SENSOR OUTPUT VOLTAGE —, Diagnostics Procedure without Diagnostic Trouble Code (DTC).>

2. WITH SUBARU SELECT MONITOR

DTC No.	Sub code No.	Display screen	Contents of diagnosis	Index No.
—	—	Communication for initializing impossible	Select monitor communication failure	<Ref. to ABS-80, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
—	—	No trouble code	Although no trouble code appears on the select monitor display, the ABS warning light remains on.	<Ref. to ABS-83, NO TROUBLE CODE, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
21	4A02	Open or short circuit in Front ABS sensor RH circuit	Open or short circuit in Front ABS sensor RH circuit	<Ref. to ABS-86, DTC 21 — OPEN OR SHORT CIRCUIT IN FRONT RIGHT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
22	48C5, 4945 48E5, 4845 4905, 4885	Front ABS sensor RH abnormal signal	Front ABS sensor RH abnormal signal	<Ref. to ABS-92, DTC 22 — FRONT RIGHT ABNORMAL ABS SENSOR SIGNAL —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
23	4202	Open or short circuit in Front ABS sensor LH circuit	Open or short circuit in Front ABS sensor LH circuit	<Ref. to ABS-86, DTC 23 — OPEN OR SHORT CIRCUIT IN FRONT LEFT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
24	40C5, 4145 40E5, 4045 4105, 4085	Front ABS sensor LH abnormal signal	Front ABS sensor LH abnormal signal	<Ref. to ABS-92, DTC 24 — FRONT LEFT ABNORMAL ABS SENSOR SIGNAL —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
25	4602	Open or short circuit in Rear ABS sensor RH circuit	Open or short circuit in Rear ABS sensor RH circuit	<Ref. to ABS-86, DTC 25 — OPEN OR SHORT CIRCUIT IN REAR RIGHT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
26	44C5, 4545 44E5, 4445 4505, 4485	Rear ABS sensor RH abnormal signal	Rear ABS sensor RH abnormal signal	<Ref. to ABS-92, DTC 26 — REAR RIGHT ABNORMAL ABS SENSOR SIGNAL —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
27	4E02	Open or short circuit in Rear ABS sensor LH circuit	Open or short circuit in Rear ABS sensor LH circuit	<Ref. to ABS-87, DTC 27 — OPEN OR SHORT CIRCUIT IN REAR LEFT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
28	4CC5, 4D45 4CE5, 4C45 4D05, 4C85	Rear ABS sensor LH abnormal signal	Rear ABS sensor LH abnormal signal	<Ref. to ABS-93, DTC 28 — REAR LEFT ABNORMAL ABS SENSOR SIGNAL —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
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-98, DTC 29 — ABNORMAL ABS SENSOR SIGNAL ON ANY ONE OF FOUR SENSOR —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
31	3200	Front inlet valve RH malfunction	Front inlet valve RH malfunction	<Ref. to ABS-102, DTC 31 — FRONT RIGHT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
32	3600	Front outlet valve RH malfunction	Front outlet valve RH malfunction	<Ref. to ABS-106, DTC 32 — FRONT RIGHT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
33	2200	Front inlet valve LH malfunction	Front inlet valve LH malfunction	<Ref. to ABS-102, DTC 33 — FRONT LEFT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
34	2600	Front outlet valve LH malfunction	Front outlet valve LH malfunction	<Ref. to ABS-106, DTC 34 — FRONT LEFT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
35	2A00	Rear inlet valve RH malfunction	Rear inlet valve RH malfunction	<Ref. to ABS-102, DTC 35 — REAR RIGHT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>

DTC No.	Sub code No.	Display screen	Contents of diagnosis	Index No.
36	2E00	Rear outlet valve RH malfunction	Rear outlet valve RH malfunction	<Ref. to ABS-106, DTC 36 — REAR RIGHT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
37	3A00	Rear inlet valve LH malfunction	Rear inlet valve LH malfunction	<Ref. to ABS-103, DTC 37 — REAR LEFT INLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
38	3E00	Rear outlet valve LH malfunction	Rear outlet valve LH malfunction	<Ref. to ABS-107, DTC 38 — REAR LEFT OUTLET VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
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-110, DTC 41 — ABS CONTROL MODULE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
42	5A00	Power supply voltage too low	Power supply voltage too low	<Ref. to ABS-112, DTC 42 — POWER SUPPLY VOLTAGE TOO LOW —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
42	5A80	Power supply voltage too high	Power supply voltage too high	<Ref. to ABS-115, DTC 42 — POWER SUPPLY VOLTAGE TOO HIGH —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
44	1600	ABS-AT control (Non Controlled)	ABS-AT control (Non Controlled)	<Ref. to ABS-118, DTC 44 — ABS-AT CONTROL (NON CONTROLLED) —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
44	1500	ABS-AT control (Controlled)	ABS-AT control (Controlled)	<Ref. to ABS-120, DTC 44 — ABS-AT CONTROL (CONTROLLED) —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
51	0C80 0EA0	Valve relay malfunction	Valve relay malfunction	<Ref. to ABS-122, DTC 51 — VALVE RELAY MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
51	0C40	Valve relay ON failure	Valve relay ON failure	<Ref. to ABS-125, DTC 51 — VALVE RELAY ON FAILURE —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
52	10A1	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<Ref. to ABS-127, DTC 52 — OPEN CIRCUIT IN MOTOR RELAY CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
52	10E1	Motor relay ON failure	Motor relay ON failure	<Ref. to ABS-129, DTC 52 — MOTOR RELAY ON FAILURE —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
52	10C1	Motor malfunction	Motor malfunction	<Ref. to ABS-131, DTC 52 — MOTOR MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
54	5600	Stop light switch signal circuit malfunction	Stop light switch signal circuit malfunction	<Ref. to ABS-134, DTC 54 — STOP LIGHT SWITCH SIGNAL CIRCUIT MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>

DTC No.	Sub code No.	Display screen	Contents of diagnosis	Index No.
56	7600	Open or short circuit in G sensor circuit	Open or short circuit in G sensor circuit	<Ref. to ABS-136, DTC 56 — OPEN OR SHORT CIRCUIT IN G SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
	7580	Battery short in G sensor circuit	Battery short in G sensor circuit	<Ref. to ABS-139, DTC 56 — BATTERY SHORT IN G SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
	7540	Abnormal G sensor high μ output	Abnormal G sensor high μ output	<Ref. to ABS-143, DTC 56 — ABNORMAL G SENSOR HIGH μ OUTPUT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>
	7500	Detection of G sensor stick	Detection of G sensor stick	<Ref. to ABS-146, DTC 56 — DETECTION OF G SENSOR STICK —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>

NOTE:
High μ means high friction coefficient against road surface.