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		Front ABS sensor RH	<ref. (dtc).="" (front="" (open="" 21="" abnormal="" abs="" abs-40,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" high)="" input="" or="" procedure="" rh)="" sensor="" to="" too="" trouble="" voltage="" without="" —="" —,=""></ref.>
23	Abnormal ABS sensor (Open circuit or input voltage too high)	Front ABS sensor LH	<ref. (dtc).="" (front="" (open="" 23="" abnormal="" abs="" abs-40,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" high)="" input="" lh)="" or="" procedure="" sensor="" to="" too="" trouble="" voltage="" without="" —="" —,=""></ref.>
25		Rear ABS sensor RH	<ref. (dtc).="" (open="" (rear="" 25="" abnormal="" abs="" abs-40,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" high)="" input="" or="" procedure="" rh)="" sensor="" to="" too="" trouble="" voltage="" without="" —="" —,=""></ref.>
27		Rear ABS sensor LH	<ref. (dtc).="" (open="" (rear="" 27="" abnormal="" abs="" abs-41,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" high)="" input="" lh)="" or="" procedure="" sensor="" to="" too="" trouble="" voltage="" without="" —="" —,=""></ref.>
22		Front ABS sensor RH	<ref. (abnormal="" (dtc).="" (front="" 22="" abnormal="" abs="" abs-45,="" code="" diagnostic="" diagnostics="" dtc="" procedure="" rh)="" sensor="" signal)="" to="" trouble="" without="" —="" —,=""></ref.>
24	Abnormal ABS sensor (Abnormal ABS sensor signal)	Front ABS sensor LH	<ref. (abnormal="" (dtc).="" (front="" 24="" abnormal="" abs="" abs-45,="" code="" diagnostic="" diagnostics="" dtc="" lh)="" procedure="" sensor="" signal)="" to="" trouble="" without="" —="" —,=""></ref.>
26		Rear ABS sensor RH	<ref. (abnormal="" (dtc).="" (rear="" 26="" abnormal="" abs="" abs-45,="" code="" diagnostic="" diagnostics="" dtc="" procedure="" rh)="" sensor="" signal)="" to="" trouble="" without="" —="" —,=""></ref.>
28		Rear ABS sensor LH	<ref. (abnormal="" (dtc).="" (rear="" 28="" abnormal="" abs="" abs-46,="" code="" diagnostic="" diagnostics="" dtc="" lh)="" procedure="" sensor="" signal)="" to="" trouble="" without="" —="" —,=""></ref.>
29		Any one of four	<ref. (abnormal="" (any="" (dtc).="" 29="" abnormal="" abs="" abs-50,="" code="" diagnostic="" diagnostics="" dtc="" four)="" of="" one="" procedure="" sensor="" signal)="" to="" trouble="" without="" —="" —,=""></ref.>

LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

ABS (DIAGNOSTICS)

DTC No.	Contents of diagnosis		Index No.	
31		Front inlet valve RH	<ref. (dtc).="" (front="" 31="" abnormal="" abs-54,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" inlet="" procedure="" rh)="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
32	Abnormal solenoid valve circuit(s) in ABS control module and hydraulic unit	Front outlet valve RH	<ref. (dtc).="" (front="" 32="" abnormal="" abs-58,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" outlet="" procedure="" rh)="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
33		Front inlet valve LH	<ref. (dtc).="" (front="" 33="" abnormal="" abs-54,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" inlet="" lh)="" procedure="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
34		Front outlet valve LH	<ref. (dtc).="" (front="" 34="" abnormal="" abs-58,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" lh)="" outlet="" procedure="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
35		Rear inlet valve RH	<ref. (dtc).="" (rear="" 35="" abnormal="" abs-54,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" inlet="" procedure="" rh)="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
36		Rear outlet valve RH	<ref. (dtc).="" (rear="" 36="" abnormal="" abs-58,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" outlet="" procedure="" rh)="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
37		Rear inlet valve LH	<ref. (dtc).="" (rear="" 37="" abnormal="" abs-55,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" inlet="" lh)="" procedure="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
38		Rear outlet valve LH	<ref. (dtc).="" (rear="" 38="" abnormal="" abs-59,="" abscm&h="" circuit(s)="" code="" diagnostic="" diagnostics="" dtc="" in="" lh)="" outlet="" procedure="" solenoid="" to="" trouble="" u="" valve="" without="" —="" —,=""></ref.>	
41	Abnormal ABS control module		<ref. (dtc).="" 41="" abnormal="" abs="" abs-62,="" code="" control="" diagnostic="" diagnostics="" dtc="" module="" procedure="" to="" trouble="" without="" —="" —,=""></ref.>	
42	Source voltage is abnormal.		<ref. (dtc).="" 42="" abnormal.="" abs-64,="" code="" diagnostic="" diagnostics="" dtc="" is="" procedure="" source="" to="" trouble="" voltage="" without="" —="" —,=""></ref.>	
44	A combination of AT control abnormal		<ref. (dtc).="" 44="" a="" abnormal="" abs-67,="" at="" code="" combination="" control="" diagnostic="" diagnostics="" dtc="" of="" procedure="" to="" trouble="" without="" —="" —,=""></ref.>	
51	Abnormal valve relay		<ref. (dtc).="" 51="" abnormal="" abs-69,="" code="" diagnostic="" diagnostics="" dtc="" procedure="" relay="" to="" trouble="" valve="" without="" —="" —,=""></ref.>	
52	Abnormal motor and/or motor relay		<ref. (dtc).="" 52="" abnormal="" abs-72,="" and="" code="" diagnostic="" diagnostics="" dtc="" motor="" or="" procedure="" relay="" to="" trouble="" without="" —="" —,=""></ref.>	
54	Abnormal stop light switch		<ref. (dtc).="" ,="" 54="" abnormal="" abs-75,="" code="" diagnostic="" diagnostics="" dtc="" light="" procedure="" stop="" switch="" to="" trouble="" without="" —=""></ref.>	
56	Abnormal G sensor output voltage		<ref. (dtc).="" 56="" abnormal="" abs-77,="" code="" diagnostic="" diagnostics="" dtc="" g="" output="" procedure="" sensor="" to="" trouble="" voltage="" without="" —="" —,=""></ref.>	

2. WITH SUBARU SELECT MONITOR

DTC				
No.	Sub code No.	Display screen	Contents of diagnosis	Index No.
_	_	Communication for initializing impossible	Select monitor com- munication failure	<ref. abs-80,="" communication="" for="" initializ-<br="" to="">ING IMPOSSIBLE, Diagnostics Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
_	_	No trouble code	Although no trouble code appears on the select monitor display, the ABS warning light remains on.	<ref. (dtc).="" abs-83,="" code="" code,="" diagnostic="" diagnostics="" no="" procedure="" to="" trouble="" with=""></ref.>
21	4A02	Open or short circuit in Front ABS sensor RH circuit	Open or short circuit in Front ABS sensor RH circuit	<ref. 21="" abs-86,="" cir-<br="" dtc="" open="" or="" short="" to="" —="">CUIT IN FRONT RIGHT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
22	48C5, 4945 48E5, 4845 4905, 4885	Front ABS sensor RH abnormal signal	Front ABS sensor RH abnormal signal	<ref. (dtc).="" 22="" abnor-mal="" abs="" abs-92,="" code="" diagnostic="" diagnostics="" dtc="" front="" procedure="" right="" sensor="" signal="" to="" trouble="" with="" —="" —,=""></ref.>
23	4202	Open or short circuit in Front ABS sensor LH circuit	Open or short circuit in Front ABS sensor LH circuit	<ref. 23="" abs-86,="" cir-<br="" dtc="" open="" or="" short="" to="" —="">CUIT IN FRONT LEFT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
24	40C5, 4145 40E5, 4045 4105, 4085	Front ABS sensor LH abnormal signal	Front ABS sensor LH abnormal signal	<ref. (dtc).="" 24="" abnormal="" abs="" abs-92,="" code="" diagnostic="" diagnostics="" dtc="" front="" left="" procedure="" sensor="" signal="" to="" trouble="" with="" —="" —,=""></ref.>
25	4602	Open or short circuit in Rear ABS sensor RH circuit	Open or short circuit in Rear ABS sensor RH circuit	<ref. 25="" abs-86,="" cir-<br="" dtc="" open="" or="" short="" to="" —="">CUIT IN REAR RIGHT ABS SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
26	44C5, 4545 44E5, 4445 4505, 4485	Rear ABS sensor RH abnormal signal	Rear ABS sensor RH abnormal signal	<ref. (dtc).="" 26="" abnormal="" abs="" abs-92,="" code="" diagnostic="" diagnostics="" dtc="" procedure="" rear="" right="" sensor="" signal="" to="" trouble="" with="" —="" —,=""></ref.>
27	4E02	Open or short circuit in Rear ABS sensor LH circuit	Open or short circuit in Rear ABS sensor LH circuit	<ref. 27="" abs-87,="" cir-<br="" dtc="" open="" or="" short="" to="" —="">CUIT IN REAR LEFT ABS SENSOR CIRCUIT —, Diag- nostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
28	4CC5, 4D45 4CE5, 4C45 4D05, 4C85	Rear ABS sensor LH abnormal signal	Rear ABS sensor LH abnormal signal	<ref. (dtc).="" 28="" abnormal="" abs="" abs-93,="" code="" diagnostic="" diagnostics="" dtc="" left="" procedure="" rear="" sensor="" signal="" to="" trouble="" with="" —="" —,=""></ref.>
29	5080 50C0	Abnormal ABS sen- sor signal on any one of four sensor	Abnormal ABS sensor signal on any one of four	<ref. 29="" abnormal="" abs="" abs-98,="" dtc="" sensor<br="" to="" —="">SIGNAL ON ANY ONE OF FOUR SENSOR —, Diag- nostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
31	3200	Front inlet valve RH malfunction	Front inlet valve RH malfunction	<ref. 31="" abs-102,="" dtc="" front="" inlet<br="" right="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
32	3600	Front outlet valve RH malfunction	Front outlet valve RH malfunction	<ref. 32="" abs-106,="" dtc="" front="" outlet<br="" right="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
33	2200	Front inlet valve LH malfunction	Front inlet valve LH malfunction	<ref. 33="" abs-102,="" dtc="" front="" inlet<br="" left="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
34	2600	Front outlet valve LH malfunction	Front outlet valve LH malfunction	<ref. 34="" abs-106,="" dtc="" front="" left="" outlet<br="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
35	2A00	Rear inlet valve RH malfunction	Rear inlet valve RH malfunction	<ref. 35="" abs-102,="" dtc="" inlet<br="" rear="" right="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>

	Т	Т		
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. 36="" abs-106,="" dtc="" outlet<br="" rear="" right="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
37	3A00	Rear inlet valve LH malfunction	Rear inlet valve LH malfunction	<ref. 37="" abs-103,="" dtc="" inlet<br="" left="" rear="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
38	3E00	Rear outlet valve LH malfunction	Rear outlet valve LH malfunction	<ref. 38="" abs-107,="" dtc="" left="" outlet<br="" rear="" to="" —="">VALVE MALFUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
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. (dtc).="" 41="" abs="" abs-110,="" code="" control="" diagnostic="" diagnostics="" dtc="" malfunction="" module="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
42	5A00	Power supply voltage too low	Power supply voltage too low	<ref. (dtc).="" 42="" abs-112,="" code="" diagnostic="" diagnostics="" dtc="" low="" power="" procedure="" supply="" to="" too="" trouble="" volt-age="" with="" —="" —,=""></ref.>
42	5A80	Power supply voltage too high	Power supply voltage too high	<ref. (dtc).="" 42="" abs-115,="" code="" diagnostic="" diagnostics="" dtc="" high="" power="" procedure="" supply="" to="" too="" trouble="" volt-age="" with="" —="" —,=""></ref.>
44	1600	ABS-AT control (Non Controlled)	ABS-AT control (Non Controlled)	<ref. (dtc).="" (non="" 44="" abs-118,="" abs-at="" code="" control="" controlled)="" diagnostic="" diagnostics="" dtc="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
	1500	ABS-AT control (Controlled)	ABS-AT control (Controlled)	<ref. (controlled)="" (dtc).="" 44="" abs-120,="" abs-at="" code="" control="" diagnostic="" diagnostics="" dtc="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
51	0C80 0EA0	Valve relay malfunc- tion	Valve relay malfunction	<ref. 51="" abs-122,="" dtc="" mal-<br="" relay="" to="" valve="" —="">FUNCTION —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
	0C40	Valve relay ON failure	Valve relay ON failure	<ref. (dtc).="" 51="" abs-125,="" code="" diagnostic="" diagnostics="" dtc="" fail-ure="" on="" procedure="" relay="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
	10A1	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<ref. (dtc).="" 52="" abs-127,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" in="" motor="" open="" procedure="" relay="" to="" trouble="" with="" —="" —,=""></ref.>
52	10E1	Motor relay ON fail- ure	Motor relay ON fail- ure	<ref. (dtc).="" 52="" abs-129,="" code="" diagnostic="" diagnostics="" dtc="" fail-ure="" motor="" on="" procedure="" relay="" to="" trouble="" with="" —="" —,=""></ref.>
	10C1	Motor malfunction	Motor malfunction	<ref. (dtc).="" 52="" abs-131,="" code="" diagnostic="" diagnostics="" dtc="" malfunction="" motor="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
54	5600	Stop light switch sig- nal circuit malfunc- tion	Stop light switch sig- nal circuit malfunction	<ref. (dtc).="" 54="" abs-134,="" circuit="" code="" diagnostic="" diagnostics="" dtc="" light="" malfunction="" procedure="" signal="" stop="" switch="" to="" trouble="" with="" —="" —,=""></ref.>

LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

ABS (DIAGNOSTICS)

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. 56="" abs-136,="" cir-<br="" dtc="" open="" or="" short="" to="" —="">CUIT IN G SENSOR CIRCUIT —, Diagnostics Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
	7580	Battery short in G sensor circuit	Battery short in G sensor circuit	<ref. 56="" abs-139,="" battery="" dtc="" g<br="" in="" short="" to="" —="">SENSOR CIRCUIT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
	7540	Abnormal G sensor high μ output	Abnormal G sensor high μ output	<ref. 56="" <math="" abnormal="" abs-143,="" dtc="" g="" high="" sensor="" to="" —="">\mu OUTPUT —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>
	7500	Detection of G sensor stick	Detection of G sensor stick	<ref. 56="" abs-146,="" detection="" dtc="" g="" of="" sen-<br="" to="" —="">SOR STICK —, Diagnostics Procedure with Diagnostic Trouble Code (DTC).></ref.>

NOTE:

High $\boldsymbol{\mu}$ means high friction coefficient against road surface.