# 11. List of Diagnostic Trouble Code (DTC) 5006525

**A: LIST** 5006525A12

### 1. WITHOUT SUBARU SELECT MONITOR S006525A1201

DTC No.	Contents of diagnosis		Index No.
11	Start code  Trouble code 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 right ABS sensor	<ref. (front="" (open="" 21="" abnormal="" abs="" abs-36,="" chart="" circuit="" connector.="" diagnosis="" diagnostics="" dtc="" high)="" input="" or="" rh),="" sensor="" to="" too="" voltage="" with=""></ref.>
23		Front left ABS sensor	<ref. (front="" (open="" 23="" abnormal="" abs="" abs-36,="" chart="" circuit="" connector.="" diagnosis="" diagnostics="" dtc="" high)="" input="" lh),="" or="" sensor="" to="" too="" voltage="" with=""></ref.>
25		Rear right ABS sensor	<ref. (open="" (rear="" 25="" abnormal="" abs="" abs-36,="" chart="" circuit="" connector.="" diagnosis="" diagnostics="" dtc="" high)="" input="" or="" rh),="" sensor="" to="" too="" voltage="" with=""></ref.>
27		Rear left ABS sensor	<ref. (open="" (rear="" 27="" abnormal="" abs="" abs-36,="" chart="" circuit="" connector.="" diagnosis="" diagnostics="" dtc="" high)="" input="" lh),="" or="" sensor="" to="" too="" voltage="" with=""></ref.>
22		Front right ABS sensor	<ref. (front="" 22="" abnormal="" abs="" abs-42,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" rh),="" sensor="" to="" with=""></ref.>
24	Abnormal ABS sensor (Abnormal ABS sensor signal)	Front left ABS sensor	<ref. (front="" 24="" abnormal="" abs="" abs-42,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" lh),="" sensor="" to="" with=""></ref.>
26		Rear right ABS sensor	<ref. (rear="" 26="" abnormal="" abs="" abs-42,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" rh),="" sensor="" to="" with=""></ref.>
28		Rear left ABS sensor	<ref. (rear="" 28="" abnormal="" abs="" abs-42,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" lh),="" sensor="" to="" with=""></ref.>
29		Any one of four	<ref. (any="" 29="" abnormal="" abs="" abs-48,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" four),="" of="" one="" sensor="" signal="" to="" with=""></ref.>
31	Abnormal solenoid valve circuit(s) in ABS control module and hydraulic unit	Front right inlet valve	<ref. (front="" 31="" abnormal="" abs-52,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" inlet="" rh),="" solenoid="" to="" u="" valve="" with=""></ref.>
32		Front right outlet valve	<ref. (front="" 32="" abnormal="" abs-56,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" outlet="" rh),="" solenoid="" to="" u="" valve="" with=""></ref.>
33		Front left inlet valve	<ref. (front="" 33="" abnormal="" abs-52,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" inlet="" lh),="" solenoid="" to="" u="" valve="" with=""></ref.>
34		Front left outlet valve	<ref. (front="" 34="" abnormal="" abs-56,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" lh),="" outlet="" solenoid="" to="" u="" valve="" with=""></ref.>
35		Rear right inlet valve	<ref. (rear="" 35="" abnormal="" abs-52,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" inlet="" rh),="" solenoid="" to="" u="" valve="" with=""></ref.>
36		Rear right outlet valve	<ref. (rear="" 36="" abnormal="" abs-56,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" outlet="" rh),="" solenoid="" to="" u="" valve="" with=""></ref.>
37		Rear left inlet valve	<ref. (rear="" 37="" abnormal="" abs-52,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" inlet="" lh),="" solenoid="" to="" u="" valve="" with=""></ref.>
38		Rear left outlet valve	<ref. (rear="" 38="" abnormal="" abs-56,="" abscm&h="" chart="" circuit(s)="" connector.="" diagnosis="" diagnostics="" dtc="" in="" lh),="" outlet="" solenoid="" to="" u="" valve="" with=""></ref.>
41	Abnormal ABS control module		<ref. 41="" abnormal="" abs="" abs-60,="" chart="" connector.="" control="" diagnosis="" diagnostics="" dtc="" module,="" to="" with=""></ref.>

## LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

### ABS (Diagnostics)

DTC No.	Contents of diagnosis	Index No.
42	Source voltage is abnormal.	<ref. 42="" abnormal.,="" abs-62,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" is="" source="" to="" voltage="" with=""></ref.>
44	A combination of AT control abnormal	<ref. 44="" a="" abs-64,="" at="" combination="" control<br="" dtc="" of="" to="">ABNORMAL, Diagnostics Chart with Diagnosis Connector.&gt;</ref.>
51	Abnormal valve relay	<ref. 51="" abnormal="" abs-66,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" relay,="" to="" valve="" with=""></ref.>
52	Abnormal motor and/or motor relay	<ref. 52="" abnormal="" abs-68,="" and="" dtc="" motor="" or<br="" to="">MOTOR RELAY, Diagnostics Chart with Diagnosis Connector.&gt;</ref.>
54	Abnormal stop light switch	<ref. 54="" abnormal="" abs-72,="" chart="" connector.="" diagnosis="" diagnostics="" dtc="" light="" stop="" switch,="" to="" with=""></ref.>
56	Abnormal G sensor output voltage	<ref. 56="" abnormal="" abs-74,="" dtc="" g="" output<br="" sensor="" to="">VOLTAGE, Diagnostics Chart with Diagnosis Connector.&gt;</ref.>

#### 2. WITH SUBARU SELECT MONITOR S006525A1202

DTC No.	Display screen	Contents of diagnosis	Index No.
_	Communication for initializing impossible	Select monitor commu- nication failure	<ref. abs-80,="" chart="" communication="" diagnostics="" for="" impossible,="" initializing="" monitor.="" select="" subaru="" to="" with=""></ref.>
_	No trouble code	Although no trouble code appears on the select monitor display, the ABS warning light remains on.	<ref. abs-84,="" chart="" code,="" diagnostics="" monitor.="" no="" select="" subaru="" to="" trouble="" with=""></ref.>
21	Open or short circuit in front right ABS sensor circuit	Open or short circuit in front right ABS sensor circuit	<ref. 21="" abs="" abs-88,="" chart="" circuit="" circuit,="" diagnostics="" dtc="" front="" in="" monitor.="" open="" or="" right="" select="" sensor="" short="" subaru="" to="" with=""></ref.>
22	Front right ABS sensor abnormal signal	Front right ABS sensor abnormal signal	<ref. 22="" abnormal="" abs="" abs-94,="" chart="" diagnostics="" dtc="" front="" monitor.="" right="" select="" sensor="" signal,="" subaru="" to="" with=""></ref.>
23	Open or short circuit in front left ABS sensor circuit	Open or short circuit in front left ABS sensor circuit	<ref. 23="" abs="" abs-88,="" chart="" circuit="" circuit,="" diagnostics="" dtc="" front="" in="" left="" monitor.="" open="" or="" select="" sensor="" short="" subaru="" to="" with=""></ref.>
24	Front left ABS sensor abnormal signal	Front left ABS sensor abnormal signal	<ref. 24="" abnormal="" abs="" abs-94,="" chart="" diagnostics="" dtc="" front="" left="" monitor.="" select="" sensor="" signal,="" subaru="" to="" with=""></ref.>
25	Open or short circuit in rear right ABS sensor circuit	Open or short circuit in rear right ABS sensor circuit	<ref. 25="" abs="" abs-88,="" chart="" circuit="" circuit,="" diagnostics="" dtc="" in="" monitor.="" open="" or="" rear="" right="" select="" sensor="" short="" subaru="" to="" with=""></ref.>
26	Rear right ABS sensor abnormal signal	Rear right ABS sensor abnormal signal	<ref. 26="" abnormal="" abs="" abs-94,="" chart="" diagnostics="" dtc="" monitor.="" rear="" right="" select="" sensor="" signal,="" subaru="" to="" with=""></ref.>
27	Open or short circuit in rear left ABS sensor circuit	Open or short circuit in rear left ABS sensor circuit	<ref. 27="" abs="" abs-88,="" chart="" circuit="" circuit,="" diagnostics="" dtc="" in="" left="" monitor.="" open="" or="" rear="" select="" sensor="" short="" subaru="" to="" with=""></ref.>
28	Rear left ABS sensor abnormal signal	Rear left ABS sensor abnormal signal	<ref. 28="" abnormal="" abs="" abs-94,="" dtc="" left="" rear="" sen-<br="" to="">SOR SIGNAL, Diagnostics Chart with Subaru Select Monitor.&gt;</ref.>
29	Abnormal ABS sensor signal on any one of four sensor	Abnormal ABS sensor signal on any one of four	<ref. 29="" abnormal="" abs="" abs-100,="" any="" chart="" diagnostics="" dtc="" four="" monitor.="" of="" on="" one="" select="" sensor="" sensors,="" signal="" subaru="" to="" with=""></ref.>
31	Front right inlet valve malfunction	Front right inlet valve malfunction	<ref. 31="" abs-104,="" chart="" diagnostics="" dtc="" front="" inlet="" malfunction,="" monitor.="" right="" select="" subaru="" to="" valve="" with=""></ref.>
32	Front right outlet valve malfunction	Front right outlet valve malfunction	<ref. 32="" abs-108,="" chart="" diagnostics="" dtc="" front="" malfunction,="" monitor.="" outlet="" right="" select="" subaru="" to="" valve="" with=""></ref.>
33	Front left inlet valve malfunction	Front left inlet valve malfunction	<ref. 33="" abs-104,="" chart="" diagnostics="" dtc="" front="" inlet="" left="" malfunction,="" monitor.="" select="" subaru="" to="" valve="" with=""></ref.>

DTC No.	Display screen	Contents of diagnosis	Index No.
34	Front left outlet valve malfunction	Front left outlet valve malfunction	<ref. 34="" abs-108,="" chart="" diagnostics="" dtc="" front="" left="" malfunction,="" monitor.="" outlet="" select="" subaru="" to="" valve="" with=""></ref.>
35	Rear right inlet valve malfunction	Rear right inlet valve malfunction	<ref. 35="" abs-104,="" dtc="" inlet="" rear="" right="" to="" valve<br="">MALFUNCTION, Diagnostics Chart with Subaru Select Moni- tor.&gt;</ref.>
36	Rear right outlet valve malfunction	Rear right outlet valve malfunction	<ref. 36="" abs-108,="" chart="" diagnostics="" dtc="" malfunction,="" monitor.="" outlet="" rear="" right="" select="" subaru="" to="" valve="" with=""></ref.>
37	Rear left inlet valve mal- function	Rear left inlet valve mal- function	<ref. 37="" abs-104,="" chart="" diagnostics="" dtc="" inlet="" left="" malfunction,="" monitor.="" rear="" select="" subaru="" to="" valve="" with=""></ref.>
38	Rear left outlet valve malfunction	Rear left outlet valve malfunction	<ref. 38="" abs-108,="" dtc="" left="" outlet="" rear="" to="" valve<br="">MALFUNCTION, Diagnostics Chart with Subaru Select Moni- tor.&gt;</ref.>
41	ABS control module malfunction	ABS control module and hydraulic control unit malfunction	<ref. 41="" abs="" abs-112,="" control="" dtc="" module<br="" to="">MALFUNCTION, Diagnostics Chart with Subaru Select Moni- tor.&gt;</ref.>
42	Power supply voltage too low	Power supply voltage too low	<ref. 42="" abs-114,="" chart="" diagnostics="" dtc="" low,="" monitor.="" power="" select="" subaru="" supply="" to="" too="" voltage="" with=""></ref.>
42	Power supply voltage too high	Power supply voltage too high	<ref. 42="" abs-116,="" chart="" diagnostics="" dtc="" high,="" monitor.="" power="" select="" subaru="" supply="" to="" too="" voltage="" with=""></ref.>
44	ABS-AT control (Non Controlled)	ABS-AT control (Non Controlled)	<ref. (non="" 44="" abs-118,="" abs-at="" chart="" control="" controlled),="" diagnostics="" dtc="" monitor.="" select="" subaru="" to="" with=""></ref.>
44	ABS-AT control (Controlled)	ABS-AT control (Controlled)	<ref. (controlled),="" 44="" abs-120,="" abs-at="" chart="" control="" diagnostics="" dtc="" monitor.="" select="" subaru="" to="" with=""></ref.>
51	Valve relay malfunction	Valve relay malfunction	<ref. 51="" abs-122,="" chart="" diagnostics="" dtc="" malfunction,="" monitor.="" relay="" select="" subaru="" to="" valve="" with=""></ref.>
51	Valve relay ON failure	Valve relay ON failure	<ref. 51="" abs-124,="" chart="" diagnostics="" dtc="" failure,="" monitor.="" on="" relay="" select="" subaru="" to="" valve="" with=""></ref.>
52	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<ref. 52="" abs-126,="" chart="" circuit="" circuit,="" diagnostics="" dtc="" in="" monitor.="" motor="" open="" relay="" select="" subaru="" to="" with=""></ref.>
52	Motor relay ON failure	Motor relay ON failure	<ref. 52="" abs-130,="" chart="" diagnostics="" dtc="" failure,="" monitor.="" motor="" on="" relay="" select="" subaru="" to="" with=""></ref.>
52	Motor malfunction	Motor malfunction	<ref. 52="" abs-134,="" chart="" diagnostics="" dtc="" malfunction,="" monitor.="" motor="" select="" subaru="" to="" with=""></ref.>
54	Stop light switch signal circuit malfunction	Stop light switch signal circuit malfunction	<ref. 54="" abs-138,="" dtc="" light="" signal<br="" stop="" switch="" to="">CIRCUIT MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.&gt;</ref.>
56	Open or short circuit in G sensor circuit	Open or short circuit in G sensor circuit	<ref. 56="" abs-140,="" circuit="" dtc="" g<br="" in="" open="" or="" short="" to="">SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.&gt;</ref.>
56	Battery short in G sensor circuit	Battery short in G sen- sor circuit	<ref. 56="" abs-144,="" battery="" dtc="" g="" in="" sensor<br="" short="" to="">CIRCUIT, Diagnostics Chart with Subaru Select Monitor.&gt;</ref.>
56	Abnormal G sensor high $\mu$ output	Abnormal G sensor high $\mu$ output	<ref. 56="" abnormal="" abs-148,="" chart="" diagnostics="" dtc="" g="" high="" monitor.="" output,="" select="" sensor="" subaru="" to="" with="" μ=""></ref.>
56	Detection of G sensor stick	Detection of G sensor stick	<ref. 56="" abs-152,="" chart="" detection="" diagnostics="" dtc="" g="" monitor.="" of="" select="" sensor="" stick,="" subaru="" to="" with=""></ref.>

NOTE: High  $\mu$  means high friction coefficient against road surface.