12. List of Diagnostics Trouble Code 5006511

A: LIST S006511A12

1. WITHOUT SUBARU SELECT MONITOR S0006511A1201

Trouble code	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. 21="" abnormal="" abs="" abs-36="" code="" sen-<br="" to="" trouble="" —="">SOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT RH) —, Diagnostics Chart with Diagnosis Connector.></ref.>
23		Front left ABS sensor	<ref. 23="" abnormal="" abs="" abs-36="" code="" sen-<br="" to="" trouble="" —="">SOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT LH) —, Diagnostics Chart with Diagnosis Connector.></ref.>
25		Rear right ABS sensor	<ref. 25="" abnormal="" abs="" abs-36="" code="" sen-<br="" to="" trouble="" —="">SOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR RH) —, Diagnostics Chart with Diagnosis Connector.></ref.>
27		Rear left ABS sensor	<ref. (open="" (rear="" 27="" abnormal="" abs="" abs-36="" chart="" circuit="" code="" connector.="" diagnosis="" diagnostics="" high)="" input="" lh)="" or="" sen-sor="" to="" too="" trouble="" voltage="" with="" —="" —,=""></ref.>
22	Abnormal ABS sensor (Abnormal ABS sensor signal)	Front right ABS sensor	<ref. (front="" 22="" abnormal="" abs="" abs-42="" chart="" code="" connector.="" diagnosis="" diagnostics="" rh)="" sen-sor="" to="" trouble="" with="" —="" —,=""></ref.>
24		Front left ABS sensor	<ref. (front="" 24="" abnormal="" abs="" abs-42="" chart="" code="" connector.="" diagnosis="" diagnostics="" lh)="" sen-sor="" to="" trouble="" with="" —="" —,=""></ref.>
26		Rear right ABS sensor	<ref. 26="" abnormal="" abs="" abs-42="" code="" sen-<br="" to="" trouble="" —="">SOR (REAR RH) —, Diagnostics Chart with Diagnosis Connec- tor.></ref.>
28		Rear left ABS sensor	<ref. (rear="" 28="" abnormal="" abs="" abs-42="" chart="" code="" connector.="" diagnosis="" diagnostics="" lh)="" sen-sor="" to="" trouble="" with="" —="" —,=""></ref.>
29		Any one of four	<ref. 29="" abnormal="" abs="" abs-48="" code="" sen-<br="" to="" trouble="" —="">SOR SIGNAL (ANY ONE OF FOUR) —, Diagnostics Chart with Diagnosis Connector.></ref.>

LIST OF DIAGNOSTICS TROUBLE CODE

Trouble code	Contents of diagnosis		Index No.
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)="" code="" connector.="" diagnosis="" diagnostics="" in="" inlet="" rh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
32		Front right outlet valve	<ref. (front="" 32="" abnormal="" abs-56="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" outlet="" rh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
33		Front left inlet valve	<ref. (front="" 33="" abnormal="" abs-52="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" inlet="" lh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
34		Front left outlet valve	<ref. (front="" 34="" abnormal="" abs-56="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" lh)="" outlet="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
35		Rear right inlet valve	<ref. (rear="" 35="" abnormal="" abs-52="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" inlet="" rh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
36		Rear right outlet valve	<ref. (rear="" 36="" abnormal="" abs-56="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" outlet="" rh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
37		Rear left inlet valve	<ref. (rear="" 37="" abnormal="" abs-52="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" inlet="" lh)="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
38		Rear left outlet valve	<ref. (rear="" 38="" abnormal="" abs-56="" abscm&h="" chart="" circuit(s)="" code="" connector.="" diagnosis="" diagnostics="" in="" lh)="" outlet="" solenoid="" to="" trouble="" u="" valve="" with="" —="" —,=""></ref.>
41	Abnormal ABS control module		<ref. 41="" abnormal="" abs="" abs-60="" chart="" code="" connector.="" control="" diagnosis="" diagnostics="" module="" to="" trouble="" with="" —="" —,=""></ref.>
42	Source voltage is abnormal.		<ref. 42="" abnormal.="" abs-62="" chart="" code="" connector.="" diagnosis="" diagnostics="" is="" source="" to="" trouble="" voltage="" with="" —="" —,=""></ref.>
44	A combination of AT control abnormal		<ref. 44="" a="" abnormal="" abs-66="" at="" chart="" code="" combination="" connector.="" control="" diagnosis="" diagnostics="" of="" to="" trouble="" with="" —="" —,=""></ref.>
51	Abnormal valve relay		<ref. 51="" abnormal="" abs-70="" code="" to="" trouble="" valve<br="" —="">RELAY —, Diagnostics Chart with Diagnosis Connector.></ref.>
52	Abnormal motor and/or motor relay		<ref. 52="" abnormal="" abs-74="" and="" chart="" code="" connector.="" diagnosis="" diagnostics="" motor="" or="" relay="" to="" trouble="" with="" —="" —,=""></ref.>
54	Abnormal stop light switch		<ref. 54="" abnormal="" abs-78="" chart="" code="" connector.="" diagnosis="" diagnostics="" light="" stop="" switch="" to="" trouble="" with="" —="" —,=""></ref.>
56	Abnormal G sensor output voltage		<ref. 56="" abnormal="" abs-82="" code="" g="" sen-<br="" to="" trouble="" —="">SOR OUTPUT VOLTAGE —, Diagnostics Chart with Diagnosis Connector.></ref.>

2. WITH SUBARU SELECT MONITOR S006511A1202

Code	Display screen	Contents of diagnosis	Index No.
	Communication for initializing impossible	Select monitor communication failure	<ref. abs-88="" 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-92="" 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-96="" chart="" circuit="" code="" diagnostics="" front="" in="" monitor.="" open="" or="" right="" select="" sensor="" short="" subaru="" to="" trouble="" with="" —="" —,=""></ref.>
22	Front right ABS sensor abnormal signal	Front right ABS sensor abnormal signal	<ref. 22="" abs-102="" code="" front="" right<br="" to="" trouble="" —="">ABNORMAL ABS SENSOR SIGNAL —, Diagnostics Chart with Subaru Select Monitor.></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-96="" cir-<br="" code="" open="" or="" short="" to="" trouble="" —="">CUIT IN FRONT LEFT ABS SENSOR CIRCUIT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
24	Front left ABS sensor abnormal signal	Front left ABS sensor abnormal signal	<ref. 24="" abnor-mal="" abs="" abs-102="" chart="" code="" diagnostics="" front="" left="" monitor.="" select="" sensor="" signal="" subaru="" to="" trouble="" 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-96="" cir-<br="" code="" open="" or="" short="" to="" trouble="" —="">CUIT IN REAR RIGHT ABS SENSOR CIRCUIT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
26	Rear right ABS sensor abnormal signal	Rear right ABS sensor abnormal signal	<ref. 26="" abnor-mal="" abs="" abs-102="" chart="" code="" diagnostics="" monitor.="" rear="" right="" select="" sensor="" signal="" subaru="" to="" trouble="" 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-96="" cir-<br="" code="" open="" or="" short="" to="" trouble="" —="">CUIT IN REAR LEFT ABS SENSOR CIRCUIT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
28	Rear left ABS sensor abnormal signal	Rear left ABS sensor abnormal signal	<ref. 28="" abnor-mal="" abs="" abs-102="" chart="" code="" diagnostics="" left="" monitor.="" rear="" select="" sensor="" signal="" subaru="" to="" trouble="" with="" —="" —,=""></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-108="" code="" sen-<br="" to="" trouble="" —="">SOR SIGNAL ON ANY ONE OF FOUR SENSOR —, Diagnostics Chart with Subaru Select Monitor.></ref.>
31	Front right inlet valve malfunction	Front right inlet valve malfunction	<ref. 31="" abs-112="" chart="" code="" diagnostics="" front="" inlet="" malfunction="" monitor.="" right="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
32	Front right outlet valve malfunction	Front right outlet valve malfunction	<ref. 32="" abs-116="" code="" front="" out-<br="" right="" to="" trouble="" —="">LET VALVE MALFUNCTION —, Diagnostics Chart with Subaru Select Monitor.></ref.>
33	Front left inlet valve malfunction	Front left inlet valve mal- function	<ref. 33="" abs-112="" chart="" code="" diagnostics="" front="" inlet="" left="" malfunction="" monitor.="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
34	Front left outlet valve malfunction	Front left outlet valve malfunction	<ref. 34="" abs-116="" chart="" code="" diagnostics="" front="" left="" malfunction="" monitor.="" outlet="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
35	Rear right inlet valve malfunction	Rear right inlet valve malfunction	<ref. 35="" abs-112="" chart="" code="" diagnostics="" inlet="" malfunction="" monitor.="" rear="" right="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
36	Rear right outlet valve malfunction	Rear right outlet valve malfunction	<ref. 36="" abs-116="" chart="" code="" diagnostics="" malfunction="" monitor.="" outlet="" rear="" right="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
37	Rear left inlet valve malfunction	Rear left inlet valve mal- function	<ref. 37="" abs-112="" chart="" code="" diagnostics="" inlet="" left="" malfunction="" monitor.="" rear="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>

Code	Display screen	Contents of diagnosis	Index No.
38	Rear left outlet valve malfunction	Rear left outlet valve malfunction	<ref. 38="" abs-116="" chart="" code="" diagnostics="" left="" malfunction="" monitor.="" outlet="" rear="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
41	ABS control module malfunction	ABS control module and hydraulic control unit malfunction	<ref. 41="" abs="" abs-120="" code="" control="" mod-<br="" to="" trouble="" —="">ULE MALFUNCTION —, Diagnostics Chart with Subaru Select Monitor.></ref.>
42	Power supply voltage too low	Power supply voltage too low	<ref. 42="" abs-122="" chart="" code="" diagnostics="" low="" monitor.="" power="" select="" subaru="" supply="" to="" too="" trouble="" voltage="" with="" —="" —,=""></ref.>
42	Power supply voltage too high	Power supply voltage too high	<ref. 42="" abs-124="" chart="" code="" diagnostics="" high="" monitor.="" power="" select="" subaru="" supply="" to="" too="" trouble="" voltage="" with="" —="" —,=""></ref.>
44	ABS-AT control (Non Controlled)	ABS-AT control (Non Controlled)	<ref. 44="" abs-126="" abs-at="" code="" control<br="" to="" trouble="" —="">(NON CONTROLLED) —, Diagnostics Chart with Subaru Select Monitor.></ref.>
44	ABS-AT control (Controlled)	ABS-AT control (Controlled)	<ref. (controlled)="" 44="" abs-128="" abs-at="" chart="" code="" control="" diagnostics="" monitor.="" select="" subaru="" to="" trouble="" with="" —="" —,=""></ref.>
51	Valve relay malfunc- tion	Valve relay malfunction	<ref. 51="" abs-130="" chart="" code="" diagnostics="" mal-function="" monitor.="" relay="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
51	Valve relay ON failure	Valve relay ON failure	<ref. 51="" abs-132="" chart="" code="" diagnostics="" failure="" monitor.="" on="" relay="" select="" subaru="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
52	Open circuit in motor relay circuit	Open circuit in motor relay circuit	<ref. 52="" abs-134="" circuit="" code="" in<br="" open="" to="" trouble="" —="">MOTOR RELAY CIRCUIT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
52	Motor relay ON failure	Motor relay ON failure	<ref. 52="" abs-138="" chart="" code="" diagnostics="" failure="" monitor.="" motor="" on="" relay="" select="" subaru="" to="" trouble="" with="" —="" —,=""></ref.>
52	Motor malfunction	Motor malfunction	<ref. 52="" abs-142="" chart="" code="" diagnostics="" malfunc-tion="" monitor.="" motor="" select="" subaru="" to="" trouble="" with="" —="" —,=""></ref.>
54	Stop light switch sig- nal circuit malfunction	Stop light switch signal circuit malfunction	<ref. 54="" abs-146="" code="" light="" stop="" switch<br="" to="" trouble="" —="">SIGNAL CIRCUIT MALFUNCTION —, Diagnostics Chart with Subaru Select Monitor.></ref.>
56	Open or short circuit in G sensor circuit	Open or short circuit in G sensor circuit	<ref. 56="" abs-148="" cir-<br="" code="" open="" or="" short="" to="" trouble="" —="">CUIT IN G SENSOR CIRCUIT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
56	Battery short in G sensor circuit	Battery short in G sensor circuit	<ref. 56="" abs-152="" battery="" chart="" circuit="" code="" diagnostics="" g="" in="" monitor.="" select="" sensor="" short="" subaru="" to="" trouble="" with="" —="" —,=""></ref.>
56	Abnormal G sensor high μ output	Abnormal G sensor high μ output	<ref. 56="" abnormal="" abs-156="" code="" g="" sen-<br="" to="" trouble="" —="">SOR HIGH μ OUTPUT —, Diagnostics Chart with Subaru Select Monitor.></ref.>
56	Detection of G sensor stick	Detection of G sensor stick	<ref. 56="" abs-160="" code="" detection="" g<br="" of="" to="" trouble="" —="">SENSOR STICK —, Diagnostics Chart with Subaru Select Moni- tor.></ref.>

NOTE:

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