

## LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

### ABS (DIAGNOSTICS)

## 11. List of Diagnostics Trouble Code (DTC)

### A: LIST

#### 1. WITHOUT SUBARU SELECT MONITOR

| DTC No. | Contents of diagnosis   |                          | Index No.   |
|---------|---|--------------------------|---|
| 11      | Start code<br>• DTC is shown after start code.<br>• Only start code is shown in normal condition. |                          | —   |
| 21      | Abnormal ABS sensor<br>(Open circuit or input voltage too high)                                   | Front right ABS sensor   | <Ref. to ABS-38, DTC 21 ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT RH), Diagnostics Chart with Diagnosis Connector.> |
| 23      |   | Front left ABS sensor    | <Ref. to ABS-38, DTC 23 ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (FRONT LH), Diagnostics Chart with Diagnosis Connector.> |
| 25      |   | Rear right ABS sensor    | <Ref. to ABS-38, DTC 25 ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR RH), Diagnostics Chart with Diagnosis Connector.>  |
| 27      |   | Rear left ABS sensor     | <Ref. to ABS-40, DTC 27 ABNORMAL ABS SENSOR (OPEN CIRCUIT OR INPUT VOLTAGE TOO HIGH) (REAR LH), Diagnostics Chart with Diagnosis Connector.>  |
| 22      | Abnormal ABS sensor<br>(Abnormal ABS sensor signal)   | Front right ABS sensor   | <Ref. to ABS-44, DTC 22 ABNORMAL ABS SENSOR (FRONT RH), Diagnostics Chart with Diagnosis Connector.>  |
| 24      |   | Front left ABS sensor    | <Ref. to ABS-44, DTC 24 ABNORMAL ABS SENSOR (FRONT LH), Diagnostics Chart with Diagnosis Connector.>  |
| 26      |   | Rear right ABS sensor    | <Ref. to ABS-44, DTC 26 ABNORMAL ABS SENSOR (REAR RH), Diagnostics Chart with Diagnosis Connector.>   |
| 28      |   | Rear left ABS sensor     | <Ref. to ABS-46, DTC 28 ABNORMAL ABS SENSOR (REAR LH), Diagnostics Chart with Diagnosis Connector.>   |
| 29      |   | Any one of four          | <Ref. to ABS-50, DTC 29 ABNORMAL ABS SENSOR SIGNAL (ANY ONE OF FOUR), Diagnostics Chart with Diagnosis Connector.>                            |
| 31      | Abnormal solenoid valve circuit(s) in ABS control module and hydraulic unit                       | Front right inlet valve  | <Ref. to ABS-53, DTC 31 ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH), Diagnostics Chart with Diagnosis Connector.>        |
| 32      |   | Front right outlet valve | <Ref. to ABS-56, DTC 32 ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT RH), Diagnostics Chart with Diagnosis Connector.>       |
| 33      |   | Front left inlet valve   | <Ref. to ABS-53, DTC 33 ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH), Diagnostics Chart with Diagnosis Connector.>        |
| 34      |   | Front left outlet valve  | <Ref. to ABS-56, DTC 34 ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (FRONT LH), Diagnostics Chart with Diagnosis Connector.>       |
| 35      |   | Rear right inlet valve   | <Ref. to ABS-53, DTC 35 ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH), Diagnostics Chart with Diagnosis Connector.>         |
| 36      |   | Rear right outlet valve  | <Ref. to ABS-56, DTC 36 ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR RH), Diagnostics Chart with Diagnosis Connector.>        |
| 37      |   | Rear left inlet valve    | <Ref. to ABS-54, DTC 37 ABNORMAL INLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH), Diagnostics Chart with Diagnosis Connector.>         |
| 38      |   | Rear left outlet valve   | <Ref. to ABS-58, DTC 38 ABNORMAL OUTLET SOLENOID VALVE CIRCUIT(S) IN ABSCM&H/U (REAR LH), Diagnostics Chart with Diagnosis Connector.>        |

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**LIST OF DIAGNOSTICS TROUBLE CODE (DTC)**

ABS (DIAGNOSTICS)

| DTC No. | Contents of diagnosis                | Index No.  |
|---------|--------------------------------------|--|
| 41      | Abnormal ABS control module          | <Ref. to ABS-60, DTC 41 ABNORMAL ABS CONTROL MODULE, Diagnostics Chart with Diagnosis Connector.>          |
| 42      | Source voltage is abnormal.          | <Ref. to ABS-62, DTC 42 SOURCE VOLTAGE IS ABNORMAL., Diagnostics Chart with Diagnosis Connector.>          |
| 44      | A combination of AT control abnormal | <Ref. to ABS-64, DTC 44 A COMBINATION OF AT CONTROL ABNORMAL, Diagnostics Chart with Diagnosis Connector.> |
| 51      | Abnormal valve relay                 | <Ref. to ABS-68, DTC 51 ABNORMAL VALVE RELAY, Diagnostics Chart with Diagnosis Connector.>                 |
| 52      | Abnormal motor and/or motor relay    | <Ref. to ABS-70, DTC 52 ABNORMAL MOTOR AND/OR MOTOR RELAY, Diagnostics Chart with Diagnosis Connector.>    |
| 54      | Abnormal stop light switch           | <Ref. to ABS-72, DTC 54 ABNORMAL STOP LIGHT SWITCH, Diagnostics Chart with Diagnosis Connector.>           |
| 56      | Abnormal G sensor output voltage     | <Ref. to ABS-74, DTC 56 ABNORMAL G SENSOR OUTPUT VOLTAGE, Diagnostics Chart with Diagnosis Connector.>     |

**2. WITH SUBARU SELECT MONITOR**

| DTC No. | Display screen  | Contents of diagnosis  | Index No.   |
|---------|---|--|---|
| —       | Communication for initializing impossible               | Select monitor communication failure   | <Ref. to ABS-78, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Chart with Subaru Select Monitor.>                      |
| —       | No trouble code   | Although no diagnostic trouble code appears on the select monitor display, the ABS warning light remains on. | <Ref. to ABS-82, NO TROUBLE CODE, Diagnostics Chart with Subaru Select Monitor.>  |
| 21      | Open or short circuit in front right ABS sensor circuit | Open or short circuit in front right ABS sensor circuit  | <Ref. to ABS-85, DTC 21 OPEN OR SHORT CIRCUIT IN FRONT RIGHT ABS SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.> |
| 22      | Front right ABS sensor abnormal signal                  | Front right ABS sensor abnormal signal   | <Ref. to ABS-91, DTC 22 FRONT RIGHT ABNORMAL ABS SENSOR SIGNAL, Diagnostics Chart with Subaru Select Monitor.>                  |
| 23      | Open or short circuit in front left ABS sensor circuit  | Open or short circuit in front left ABS sensor circuit   | <Ref. to ABS-85, DTC 23 OPEN OR SHORT CIRCUIT IN FRONT LEFT ABS SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>  |
| 24      | Front left ABS sensor abnormal signal                   | Front left ABS sensor abnormal signal  | <Ref. to ABS-91, DTC 24 FRONT LEFT ABNORMAL ABS SENSOR SIGNAL, Diagnostics Chart with Subaru Select Monitor.>                   |
| 25      | Open or short circuit in rear right ABS sensor circuit  | Open or short circuit in rear right ABS sensor circuit   | <Ref. to ABS-85, DTC 25 OPEN OR SHORT CIRCUIT IN REAR RIGHT ABS SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>  |
| 26      | Rear right ABS sensor abnormal signal                   | Rear right ABS sensor abnormal signal  | <Ref. to ABS-91, DTC 26 REAR RIGHT ABNORMAL ABS SENSOR SIGNAL, Diagnostics Chart with Subaru Select Monitor.>                   |
| 27      | Open or short circuit in rear left ABS sensor circuit   | Open or short circuit in rear left ABS sensor circuit  | <Ref. to ABS-86, DTC 27 OPEN OR SHORT CIRCUIT IN REAR LEFT ABS SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>   |
| 28      | Rear left ABS sensor abnormal signal                    | Rear left ABS sensor abnormal signal   | <Ref. to ABS-92, DTC 28 REAR LEFT ABNORMAL ABS SENSOR SIGNAL, Diagnostics Chart with Subaru Select Monitor.>                    |
| 29      | 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 Chart with Subaru Select Monitor.>    |
| 31      | Front right inlet valve malfunction                     | Front right inlet valve malfunction  | <Ref. to ABS-101, DTC 31 FRONT RIGHT INLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>                    |
| 32      | Front right outlet valve malfunction                    | Front right outlet valve malfunction   | <Ref. to ABS-104, DTC 32 FRONT RIGHT OUTLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>                   |

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## LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

### ABS (DIAGNOSTICS)

| DTC No. | Display screen                               | Contents of diagnosis                                     | Index No.   |
|---------|--|---|---|
| 33      | Front left inlet valve malfunction           | Front left inlet valve malfunction                        | <Ref. to ABS-101, DTC 33 FRONT LEFT INLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>           |
| 34      | Front left outlet valve malfunction          | Front left outlet valve malfunction                       | <Ref. to ABS-104, DTC 34 FRONT LEFT OUTLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>          |
| 35      | Rear right inlet valve malfunction           | Rear right inlet valve malfunction                        | <Ref. to ABS-101, DTC 35 REAR RIGHT INLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>           |
| 36      | Rear right outlet valve malfunction          | Rear right outlet valve malfunction                       | <Ref. to ABS-104, DTC 36 REAR RIGHT OUTLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>          |
| 37      | Rear left inlet valve malfunction            | Rear left inlet valve malfunction                         | <Ref. to ABS-102, DTC 37 REAR LEFT INLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>            |
| 38      | Rear left outlet valve malfunction           | Rear left outlet valve malfunction                        | <Ref. to ABS-106, DTC 38 REAR LEFT OUTLET VALVE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>           |
| 41      | ABS control module malfunction               | ABS control module and hydraulic control unit malfunction | <Ref. to ABS-108, DTC 41 ABS CONTROL MODULE MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>               |
| 42      | Power supply voltage too low                 | Power supply voltage too low                              | <Ref. to ABS-110, DTC 42 POWER SUPPLY VOLTAGE TOO LOW, Diagnostics Chart with Subaru Select Monitor.>                 |
| 42      | Power supply voltage too high                | Power supply voltage too high                             | <Ref. to ABS-112, DTC 42 POWER SUPPLY VOLTAGE TOO HIGH, Diagnostics Chart with Subaru Select Monitor.>                |
| 44      | ABS-AT control (Non Controlled)              | ABS-AT control (Non Controlled)                           | <Ref. to ABS-114, DTC 44 ABS-AT CONTROL (NON CONTROLLED), Diagnostics Chart with Subaru Select Monitor.>              |
| 44      | ABS-AT control (Controlled)                  | ABS-AT control (Controlled)                               | <Ref. to ABS-116, DTC 44 ABS-AT CONTROL (CONTROLLED), Diagnostics Chart with Subaru Select Monitor.>                  |
| 51      | Valve relay malfunction                      | Valve relay malfunction                                   | <Ref. to ABS-118, DTC 51 VALVE RELAY MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>                      |
| 51      | Valve relay ON failure                       | Valve relay ON failure                                    | <Ref. to ABS-120, DTC 51 VALVE RELAY ON FAILURE, Diagnostics Chart with Subaru Select Monitor.>                       |
| 52      | Open circuit in motor relay circuit          | Open circuit in motor relay circuit                       | <Ref. to ABS-122, DTC 52 OPEN CIRCUIT IN MOTOR RELAY CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>          |
| 52      | Motor relay ON failure                       | Motor relay ON failure                                    | <Ref. to ABS-124, DTC 52 MOTOR RELAY ON FAILURE, Diagnostics Chart with Subaru Select Monitor.>                       |
| 52      | Motor malfunction                            | Motor malfunction   | <Ref. to ABS-126, DTC 52 MOTOR MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.>                            |
| 54      | Stop light switch signal circuit malfunction | Stop light switch signal circuit malfunction              | <Ref. to ABS-128, DTC 54 STOP LIGHT SWITCH SIGNAL CIRCUIT MALFUNCTION, Diagnostics Chart with Subaru Select Monitor.> |
| 56      | Open or short circuit in G sensor circuit    | Open or short circuit in G sensor circuit                 | <Ref. to ABS-130, DTC 56 OPEN OR SHORT CIRCUIT IN G SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>    |
| 56      | Battery short in G sensor circuit            | Battery short in G sensor circuit                         | <Ref. to ABS-134, DTC 56 BATTERY SHORT IN G SENSOR CIRCUIT, Diagnostics Chart with Subaru Select Monitor.>            |
| 56      | Abnormal G sensor high $\mu$ output          | Abnormal G sensor high $\mu$ output                       | <Ref. to ABS-138, DTC 56 ABNORMAL G SENSOR HIGH $\mu$ OUTPUT, Diagnostics Chart with Subaru Select Monitor.>          |
| 56      | Detection of G sensor stick                  | Detection of G sensor stick                               | <Ref. to ABS-142, DTC 56 DETECTION OF G SENSOR STICK, Diagnostics Chart with Subaru Select Monitor.>                  |

# LIST OF DIAGNOSTICS TROUBLE CODE (DTC)

ABS (DIAGNOSTICS)

MEMO:

ABS-27

Vehicle-id:  
SIE-id::A>List

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