

## DIAGNOSTIC TROUBLE CODE CHART

### HINT:

- Using SST 09843–18020, connect the terminals Tc and E1, and remove the short pin.
- If any abnormality is not found when inspect each inspection parts, inspect the ECU.

If a malfunction code is displayed during the DTC check, check the circuit listed for that code. For details of each code, turn to the page referred to under the "See page" for the respective "DTC No." in the DTC chart.

DTC No. (See Page)	Detection Item	Trouble Area
11 (DI-419)	Open or short in ABS solenoid relay circuit	<ul style="list-style-type: none"> <li>• ABS solenoid relay</li> <li>• Open or short in ABS solenoid relay circuit</li> </ul>
12 (DI-419)	B+ short in ABS solenoid relay circuit	<ul style="list-style-type: none"> <li>• ABS solenoid relay</li> <li>• B+ short in ABS solenoid relay circuit</li> </ul>
13 (DI-424)	Open or short in ABS motor relay circuit	<ul style="list-style-type: none"> <li>• ABS motor relay</li> <li>• Open or short in ABS motor relay circuit</li> </ul>
14 (DI-424)	B+ short in ABS motor relay circuit	<ul style="list-style-type: none"> <li>• ABS motor relay</li> <li>• B+ short in ABS motor relay circuit</li> </ul>
21 (DI-430)	Open or short in ABS (& TRAC) actuator solenoid circuit (SFRR or SFRH circuit)	<ul style="list-style-type: none"> <li>• ABS (&amp; TRAC) actuator</li> <li>• Open or short in SFRR or SFRH circuit</li> </ul>
22 (DI-430)	Open or short in ABS (& TRAC) actuator solenoid circuit (SFLR or SFLH circuit)	<ul style="list-style-type: none"> <li>• ABS (&amp; TRAC) actuator</li> <li>• Open or short in SFLR or SFLH</li> </ul>
23 (DI-430)	Open or short in ABS (& TRAC) actuator solenoid circuit (SRR (SRRR) or SRH (SRRH) circuit)	<ul style="list-style-type: none"> <li>• ABS (&amp; TRAC) actuator</li> <li>• Open or short in SRR (SRRR) or SRH (SRRH)</li> </ul>
24*1 (DI-430)	Open or short in ABS & TRAC actuator solenoid circuit (SRLR or SRLH circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRAC actuator</li> <li>• Open or short in SRLR or SRLH</li> </ul>
25*1 (DI-433)	Open or short in ABS & TRAC actuator solenoid circuit (SMC circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRAC actuator</li> <li>• Open or short in SMC circuit</li> </ul>
26*1 (DI-433)	Open or short in ABS & TRAC actuator solenoid circuit (SPC circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRAC actuator</li> <li>• Open or short in SPC circuit</li> </ul>
27*1 (DI-433)	Open or short in ABS & TRAC actuator solenoid circuit (SRC circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRAC actuator</li> <li>• Open or short in SRC circuit</li> </ul>
31*2 (DI-436)	Right front wheel speed sensor signal malfunction	<ul style="list-style-type: none"> <li>• Right front, left front, right rear and left rear speed sensor</li> <li>• Open or short in each speed sensor circuit</li> <li>• Sensor rotor</li> </ul>
32*2 (DI-436)	Left front wheel speed sensor signal malfunction	
33*2 (DI-436)	Right rear wheel speed sensor signal malfunction	
34*2 (DI-436)	Left rear wheel speed sensor signal malfunction	
41 (DI-441)	Low battery positive voltage	<ul style="list-style-type: none"> <li>• Battery</li> <li>• IC regulator</li> <li>• Open or short in power source circuit</li> </ul>
49 (DI-444)	Open circuit in stop light switch circuit	<ul style="list-style-type: none"> <li>• Open in stop light switch circuit</li> </ul>
51*2 (DI-447)	ABS pump motor is locked Open in pump motor ground	<ul style="list-style-type: none"> <li>• ABS pump motor</li> </ul>
Always ON (DI-448)	Malfunction in ABS (& TRAC) ECU Abnormally high battery positive voltage	<ul style="list-style-type: none"> <li>• Refer to flow chart (See page BR-66)</li> </ul>

○: Only vehicles with TRAC

\*: As the DTC cannot be erased by replacing parts alone, do either of the following operations.

- Clear DTC (See page [DI-408](#)).
- At the vehicle speed of 20 km/h (12 mph), drive the vehicle for 30 sec. or more.