

# DIAGNOSTIC TROUBLE CODE CHART

## NOTICE:

**When removing the part, turn the ignition switch OFF.**

## HINT:

- Using SST 09843-18020, connect the terminals Tc and E<sub>1</sub> of check connector and remove the short pin.
- If any abnormality is not found when inspecting parts, inspect the ECU.
- If a malfunction code is displayed during the DTC check, check the circuit listed that code. For details of each code, turn to the page referred to under the "See page" for respective "DTC No." in the DTC chart.

| DTC No.<br>(See Page) | Detection Item  | Trouble Area  |
|-----------------------|---|---|
| C0278 / 11*1<br>( ★ ) | Open or short circuit in ABS solenoid relay circuit                             | <ul style="list-style-type: none"> <li>• ABS solenoid relay</li> <li>• ABS solenoid relay circuit</li> </ul>  |
| C0279 / 12*1<br>( ★ ) | B+ short circuit in ABS solenoid relay circuit                                  |   |
| C0226 / 21*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SFR circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SFR or SFRH circuit</li> </ul>  |
| C0236 / 22*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SFL circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SFL or SFLH circuit</li> </ul>  |
| C0246 / 23*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SRR circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SRR or SRRH circuit</li> </ul>  |
| C0256 / 24*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SRL circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SRL or SRLH circuit</li> </ul>  |
| C1225 / 25*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SA1 circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SA1 circuit</li> </ul>  |
| C1226 / 26*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SA2 circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SA2 circuit</li> </ul>  |
| C1227 / 27*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (SA3 circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• SA3 circuit</li> </ul>  |
| C1228 / 28*1<br>( ★ ) | Open or short circuit in hydraulic brake booster solenoid circuit (STR circuit) | <ul style="list-style-type: none"> <li>• Hydraulic brake booster</li> <li>• STR circuit</li> </ul>  |
| C0200 / 31*1<br>( ★ ) | 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>• Each speed sensor circuit</li> <li>• Sensor rotor</li> </ul> |
| C0205 / 32*1<br>( ★ ) | Left front wheel speed sensor signal malfunction                                |   |
| C0210 / 33*1<br>( ★ ) | Right rear wheel speed sensor signal malfunction                                |   |
| C0215 / 34*1<br>( ★ ) | Left rear wheel speed sensor signal malfunction                                 |   |
| C1241 / 41<br>( ★ )   | Low battery voltage or abnormally high battery voltage                          | <ul style="list-style-type: none"> <li>• Battery</li> <li>• IC regulator</li> <li>• Power source circuit</li> </ul>   |
| C1242 / 42*1<br>( ★ ) | Open circuit in IG2 circuit   | <ul style="list-style-type: none"> <li>• Battery</li> <li>• IC regulator</li> <li>• Power source circuit</li> </ul>   |
| C1243 / 43*1<br>( ★ ) | Malfunction in deceleration sensor (constant output)                            | <ul style="list-style-type: none"> <li>• Deceleration sensor</li> <li>• Wire harness for deceleration sensor system</li> </ul>  |
| C1244 / 44*1<br>( ★ ) | Open or short circuit in deceleration sensor circuit                            | <ul style="list-style-type: none"> <li>• Deceleration sensor</li> <li>• Deceleration sensor circuit</li> </ul>  |

|                          |   |  |
|--------------------------|---|--|
| C1245 / 45*1<br>( ★ )    | Malfunction in deceleration sensor                        | <ul style="list-style-type: none"> <li>Deceleration sensor</li> <li>Wire harness for deceleration sensor system</li> </ul>   |
| C1246 / 46*1<br>(DI-349) | Malfunction in master cylinder pressure sensor            | <ul style="list-style-type: none"> <li>Master cylinder pressure sensor</li> <li>Master cylinder pressure sensor circuit</li> </ul>   |
| C1249 / 49*1<br>( ★ )    | Open circuit in stop light switch circuit                 | Stop light switch circuit  |
| C1251 / 51*2<br>( ★ )    | Pump motor is locked<br>Open circuit in pump motor ground | Hydraulic brake booster pump motor   |
| C1252 / 52*2<br>( ★ )    | Hydraulic brake booster pump motor malfunction            | <ul style="list-style-type: none"> <li>Hydraulic brake booster pump motor</li> <li>Hydraulic brake booster pump motor circuit</li> <li>Pressure switch (PH or PL)</li> </ul> |
| C1253 / 53*2<br>( ★ )    | Hydraulic brake booster pump motor relay malfunction      | <ul style="list-style-type: none"> <li>ABS or TRC motor relay</li> <li>ABS or TRC motor relay circuit</li> <li>Hydraulic brake booster pump motor circuit</li> </ul>         |
| C1254 / 54*2<br>( ★ )    | Pressure switch malfunction                               | <ul style="list-style-type: none"> <li>Pressure switch (PH or PL)</li> <li>Pressure switch circuit</li> </ul>  |
| C1256 / 56*2<br>( ★ )    | Accumulator low pressure malfunction                      | <ul style="list-style-type: none"> <li>Accumulator</li> <li>Pressure switch (PH or PL)</li> <li>Hydraulic brake booster pump motor</li> </ul>                                |
| C1257 / 57*2<br>( ★ )    | Power supply drive circuit malfunction                    | <ul style="list-style-type: none"> <li>Battery</li> <li>Power Source circuit</li> <li>ABS &amp; TRC &amp; VSC ECU</li> </ul>   |
| Always ON<br>( ★ )       | Malfunction in ABS & TRC & VSC ECU                        | <ul style="list-style-type: none"> <li>Battery</li> <li>IC regulator</li> <li>Power source circuit</li> <li>ABS &amp; TRC &amp; VSC ECU</li> </ul>                           |

★: Refer GS300 Repair Manual Pub. No. RM588E.

\*1: As the DTC cannot be erased by replacing parts alone, clear DTC (See Pub. No. RM588E on page DI-210).

\*2: Using the following table, troubled parts can be specified. When replacing parts, clear DTCs.

| DTC                            |                      | C1242/42 |        | C1251/51 |        | C1252/52 |        | C1253/53 |        | C1254/54 |        | C1256/56 |        | C1257/57 |        |
|--------------------------------|----------------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
| BRAKE warning light and buzzer |                      | Light    | Buzzer | Light    | Buzzer | Light    | Buzzer | Light    | Buzzer | Light    | Buzzer | Light    | Buzzer | Light    | Buzzer |
| Pressure switch                | PH                   |          |        |          |        | ○        | ○      |          |        | ○        |        | ○        | ○      |          |        |
|                                | PL                   |          |        |          |        | ○        | ○      |          |        | ○        |        | ○        | ○      |          |        |
| Pump motor circuit             | Pump motor           |          |        | ○        | ○      | ○        | ○      |          |        |          |        | ○        | ○      |          |        |
|                                | MTT wire harness     |          |        |          |        | ○        | ○      | ○        |        |          |        |          |        |          |        |
|                                | MT+ wire harness     |          |        | ○        |        |          |        |          |        |          |        |          |        |          |        |
|                                | MT- wire harness     |          |        | ○        |        |          |        |          |        |          |        |          |        |          |        |
| Accumulator malfunction        |                      |          |        |          |        |          |        |          |        |          |        | ○        | ○      |          |        |
| Motor relay circuit            | MR1 open circuit     |          |        |          |        |          |        | ○        |        |          |        |          |        |          |        |
|                                | MR2 open circuit     |          |        |          |        |          |        | ○        |        |          |        |          |        |          |        |
|                                | MR1 welded contact   |          |        |          |        | ○        | ○      | ○        |        |          |        |          |        |          |        |
|                                | MR2 welded contact   |          |        |          |        | ○        | ○      | ○        |        |          |        |          |        |          |        |
| Hydraulic brake booster        | Pressure leaks       |          |        |          |        | ○        | ○      |          |        |          |        | ○        | ○      |          |        |
| Power source*                  | IG2 open circuit     | ○        |        |          |        |          |        |          |        |          |        |          |        |          |        |
| ECU                            | Power supply circuit |          |        |          |        |          |        |          |        |          |        |          |        | ○        |        |

\*: When IG1 circuit is open, ABS warning light and BRAKE warning light come on.