

# DIAGNOSTIC TROUBLE CODE CHART

## HINT:

If a malfunction code is displayed during the DTC check, check the circuit indicated by the DTC. For details of each code, turn to the page for the respective DTC No. in the DTC chart.

## DTC chart of VGRS system:

DTC No. (See Page)	Detection Item	Trouble Area
C1511/11 (DI-371)	Steering angle sensor malfunction	<ul style="list-style-type: none"> <li>Steering angle sensor</li> <li>Steering angle sensor circuit</li> <li>VGRS ECU</li> <li>Skid control ECU</li> </ul>
C1515/15 (DI-380)	VGRS actuator neutral position is not initialized	<ul style="list-style-type: none"> <li>VGRS actuator</li> <li>VGRS ECU</li> </ul>
C1516/16 (DI-381)	VGRS actuator neutral position incomplete	<ul style="list-style-type: none"> <li>VGRS actuator</li> <li>VGRS ECU</li> </ul>
C1521/21 (DI-383)	VGRS actuator malfunction	<ul style="list-style-type: none"> <li>VGRS actuator</li> <li>VGRS ECU</li> </ul>
C1522/22 (DI-385)		
C1527/27 (DI-387)		
C1528/28 (DI-387)		
C1531/31 (DI-390)	VGRS ECU malfunction	<ul style="list-style-type: none"> <li>VGRS ECU</li> </ul>
C1532/32 (DI-391)		
C1533/33 (DI-392)		
C1541/41 (DI-394)	Vehicle skid control system malfunction	<ul style="list-style-type: none"> <li>VSC system</li> <li>VGRS ECU</li> <li>Skid control ECU</li> </ul>
C1549/49 (DI-397)	Vehicle skid control system communication malfunction	<ul style="list-style-type: none"> <li>Wire harness and connector</li> <li>VGRS ECU</li> <li>Skid control ECU</li> </ul>
C1551/51 (DI-401)	IG power source voltage malfunction	<ul style="list-style-type: none"> <li>ECU-IG fuse</li> <li>IG circuit</li> <li>Charging system</li> <li>VGRS ECU</li> </ul>
C1552/52 (DI-403)	DC motor power source voltage	<ul style="list-style-type: none"> <li>VGRS fuse</li> <li>Power source circuit</li> <li>VGRS ECU</li> </ul>
C1554/54 (DI-405)	Power source relay failure	<ul style="list-style-type: none"> <li>VGRS fuse</li> <li>VGRS ECU</li> </ul>
C1555/55 (DI-407)	Predriver malfunction	<ul style="list-style-type: none"> <li>Power source circuit</li> <li>VGRS ECU</li> </ul>
C1561/61 (DI-409)	Lock mechanism malfunction	<ul style="list-style-type: none"> <li>VGRS actuator</li> <li>VGRS ECU</li> </ul>
C1567/67 (DI-411)	Lock mechanism insertion malfunction	<ul style="list-style-type: none"> <li>VGRS actuator</li> <li>VGRS ECU</li> </ul>

## DIAGNOSTICS – VARIABLE GEAR RATIO STEERING

C1568/68 (DI-413)	Lock holder deviation detection	• VGRS actuator
C1569/69 (DI-415)	Lock mechanism release incomplete	• VGRS actuator