

### 19. Diagnostics with Phenomenon

#### A: INSPECTION

Symptoms	Faulty parts
Engine stalls when driving in "D" or "R" range, or selecting "N" → "D", "N" → "R".	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• Engine control system</li> </ul>
While driving in "D" range, vibration occurs immediately before the stop or engine stalls.	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• Torque converter</li> </ul>
Vehicle cannot shift while driving in "D" range.	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• TCM</li> <li>• Shift mechanism</li> <li>• Power supply system</li> </ul>
Excessive shock when selecting "N" → "D", and "N" → "R".	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• TCM</li> <li>• F&amp;R clutch pack</li> <li>• ATF deterioration or lack</li> </ul>
Excessive shock at standing start in "D" range.	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• TCM</li> <li>• F&amp;R clutch pack</li> <li>• ATF deterioration or lack</li> </ul>
Engine speed increases abruptly during driving in "D" or "R" range.	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• Secondary pressure sensor</li> <li>• F&amp;R clutch pack</li> <li>• ATF deterioration or lack</li> </ul>
Vehicle can not start when depressing the accelerator pedal in "D" or "R" range, or acceleration is very poor. (without abrupt engine increase)	<ul style="list-style-type: none"> <li>• Control valve</li> <li>• F&amp;R clutch pack</li> <li>• Shift mechanism</li> <li>• Parking mechanism</li> <li>• Engine control system</li> <li>• Power supply system</li> </ul>
Shift indicator in combination meter displays the position which differs from select lever position.	<ul style="list-style-type: none"> <li>• Inhibitor switch</li> <li>• Select cable related</li> <li>• Combination meter</li> </ul>
Manual mode enters even though the select lever and paddle shift switch is not operated.	<ul style="list-style-type: none"> <li>• Manual mode switch</li> <li>• Paddle shift switch</li> <li>• Select lever</li> <li>• TCM</li> </ul>
Engine speed increases abruptly in "D" or "R" range, vehicle can not start.	<ul style="list-style-type: none"> <li>• F&amp;R clutch pack</li> <li>• Select cable related</li> </ul>
Manual mode can not be set	<ul style="list-style-type: none"> <li>• Select lever</li> <li>• TCM</li> </ul>

# Diagnostics with Phenomenon

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

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GENERAL DESCRIPTION (CVT)

*GD(CVT)*

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