

## Diagnostics with Phenomenon

### CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

## 18. Diagnostics with Phenomenon

### A: INSPECTION

Symptoms	Faulty parts
The vehicle can not move unless the engine is started after ignition switch was turned off, 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, the vibration occurs immediately before the stopping. Or the vehicle can not move unless the engine is started after ignition switch was turned off.	<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> <li>HPCM</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>Output 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>Output clutch pack</li> <li>Shift mechanism</li> <li>Parking mechanism</li> <li>Engine control system</li> <li>Power supply system</li> <li>HPCM</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> <li>HPCM</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>Output 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> <li>HPCM</li> </ul>

GENERAL DESCRIPTION (CVT)

*GD(CVT)(HEV)*

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