

# Diagnostics with Phenomenon

## CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

### 18. Diagnostics with Phenomenon

#### A: INSPECTION

Symptoms	Problem 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>• Electronic parking brake 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>• 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>