

## 36. Diagnostics with Phenomenon

### A: INSPECTION

Symptoms	Faulty parts
Engine does not start when the select lever is in “N” and “P” range.	<ul style="list-style-type: none"> <li>• Select cable</li> <li>• Inhibitor switch</li> <li>• TCM</li> </ul>
Engine starts when the select lever is in a range other than “N” or “P” range.	<ul style="list-style-type: none"> <li>• Select cable</li> <li>• Inhibitor switch</li> <li>• TCM</li> </ul>
The vehicle is not switched to parting mode when the select lever is in “P” range.	<ul style="list-style-type: none"> <li>• Inhibitor switch</li> <li>• Select cable</li> <li>• Parking mechanism</li> </ul>
Parking mode is not canceled even if the select lever is shifted from “P” range to another range.	<ul style="list-style-type: none"> <li>• Inhibitor switch</li> <li>• Select cable</li> <li>• Parking mechanism</li> </ul>
Excessive shock when the select lever is shifted from “N” range to “D” range or from “N” range to “R” range.	<ul style="list-style-type: none"> <li>• ATF</li> <li>• Turbine speed sensor</li> <li>• Line pressure solenoid</li> <li>• Line pressure circuit</li> </ul>
Engine stalls when the select lever is shifted from “N” range to “D” range or from “N” range to “R” range.	<ul style="list-style-type: none"> <li>• ATF</li> <li>• Turbine speed sensor</li> <li>• Line pressure circuit</li> <li>• Lock-up solenoid</li> <li>• Lock-up pressure circuit</li> <li>• Engine speed signal</li> <li>• TCM</li> </ul>
Excessive shift shock while driving with the select lever in “D” range.	<ul style="list-style-type: none"> <li>• ATF</li> <li>• Vehicle speed sensor</li> <li>• Turbine speed sensor</li> <li>• Line pressure circuit</li> <li>• Engine speed signal</li> <li>• TCM</li> </ul>
Excessive shock at lock-up or lock-up does not occur when the select lever is in “D” range.	<ul style="list-style-type: none"> <li>• Vehicle speed sensor</li> <li>• Turbine speed sensor</li> <li>• Line pressure circuit</li> <li>• Lock-up solenoid</li> <li>• Lock-up pressure circuit</li> <li>• Engine speed signal</li> <li>• TCM</li> </ul>
Cannot drive in all ranges.	<ul style="list-style-type: none"> <li>• ATF</li> <li>• Select cable</li> <li>• Inhibitor switch</li> <li>• Line pressure solenoid</li> <li>• Line pressure circuit</li> <li>• Engine speed signal</li> <li>• TCM</li> <li>• Gear and clutch</li> </ul>
The vehicle can run when the select lever is in “P” and “N” range.	<ul style="list-style-type: none"> <li>• Inhibitor switch</li> <li>• Select cable</li> </ul>
Excessively poor acceleration when the select lever is in “D” range.	<ul style="list-style-type: none"> <li>• ATF</li> <li>• Line pressure solenoid</li> <li>• Line pressure circuit</li> <li>• Vehicle speed sensor</li> <li>• Engine speed signal</li> <li>• TCM</li> <li>• Gear and clutch</li> </ul>

## Diagnostics with Phenomenon

AUTOMATIC TRANSMISSION

Symptoms	Faulty parts
Noise emitted from transmission	<ul style="list-style-type: none"><li>• ATF</li><li>• Gear, clutch and bearing</li><li>• Control valve</li></ul>



# AUTOMATIC TRANSMISSION (DIAGNOSTICS)

## *5AT(diag)*

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	Page
1. Basic Diagnostic Procedure .....	2
2. Check List for Interview .....	4
3. General Description .....	5
4. Electrical Component Location .....	7
5. Transmission Control Module (TCM) I/O Signal .....	12
6. Subaru Select Monitor .....	16
7. Read Diagnostic Trouble Code (DTC) .....	19
8. Inspection Mode .....	20
9. Clear Memory Mode .....	21
10. Learning Control .....	22
11. AT OIL TEMP Warning Light Display .....	24
12. AWD Warning Light Display .....	27
13. Diagnostic Procedure for Subaru Select Monitor Communication .....	29
14. List of Diagnostic Trouble Code (DTC) .....	32
15. Diagnostic Procedure with Diagnostic Trouble Code (DTC) .....	35
16. Diagnostic Procedure without Diagnostic Trouble Code (DTC) .....	101
17. General Diagnostic Table .....	106