

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"> • Select cable • Inhibitor switch • TCM
Engine starts when the select lever is in a range other than "N" or "P" range.	<ul style="list-style-type: none"> • Select cable • Inhibitor switch • TCM
The vehicle is not switched to parking mode when the select lever is in "P" range.	<ul style="list-style-type: none"> • Inhibitor switch • Select cable • Parking mechanism
Parking mode is not canceled even if the select lever is shifted from "P" range to another range.	<ul style="list-style-type: none"> • Inhibitor switch • Select cable • Parking mechanism
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"> • ATF • Turbine speed sensor • Line pressure solenoid • Line pressure circuit
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"> • ATF • Turbine speed sensor • Line pressure circuit • Lock-up solenoid • Lock-up pressure circuit • Engine speed signal • TCM
Excessive shift shock while driving with the select lever in "D" range.	<ul style="list-style-type: none"> • ATF • Vehicle speed sensor • Turbine speed sensor • Line pressure circuit • Engine speed signal • TCM
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"> • Vehicle speed sensor • Turbine speed sensor • Line pressure circuit • Lock-up solenoid • Lock-up pressure circuit • Engine speed signal • TCM
Cannot drive in all ranges.	<ul style="list-style-type: none"> • ATF • Select cable • Inhibitor switch • Line pressure solenoid • Line pressure circuit • Engine speed signal • TCM • Gear and clutch
The vehicle can run when the select lever is in "P" and "N" range.	<ul style="list-style-type: none"> • Inhibitor switch • Select cable
Excessively poor acceleration when the select lever is in "D" range.	<ul style="list-style-type: none"> • ATF • Line pressure solenoid • Line pressure circuit • Vehicle speed sensor • Engine speed signal • TCM • Gear and clutch
Noise emitted from transmission	<ul style="list-style-type: none"> • ATF • Gear, clutch and bearing • Control valve

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

5AT(diag)

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