

10.General Diagnostic Table

A: INSPECTION

Symptoms	Possible cause	Corrective action
AT select lever	Starter does not run.	Adjust the select cable and inhibitor switch, or inspect the circuit.
	Back-up light does not illuminate.	Adjust the select cable and inhibitor switch, or inspect the circuit.
	AT shift lock system does not operate normally.	Adjust the select cable and inhibitor switch, or inspect the circuit.
	Manual mode can not be set.	Inspect the mode switch and select lever, or inspect the circuit.
	Up-shift is not engaged at manual mode.	Check the shift-up switch and circuit.
	Down-shift is not engaged at manual mode.	Check the shift-down switch and circuit.
MT gear shift lever (6MT)	Cannot shift into reverse.	Adjust the MT gear select cable.
	Shifted to 6th though it shifted to reverse.	Adjust or replace the MT gear select cable.
	Can shift into reverse when the slider is not pulled up.	Adjust or replace the MT gear select cable.
	Slider cannot be pulled up or sticks in the pulled-up position.	• Check the shift link system of the transmission. • Replace the MT gear shift lever.

General Diagnostic Table

CONTROL SYSTEMS

CONTINUOUSLY VARIABLE TRANSMISSION

CVT

	Page
1. General Description	3
2. CVTF	36
3. Differential Gear Oil	40
4. AWD ON/OFF Switching Mode	44
5. Road Test	45
6. Stall Test	46
7. Time Lag Test	47
8. Secondary Pressure (Line Pressure) Test	48
9. Transfer Clutch Pressure Test	51
10. Automatic Transmission Assembly	57
11. Transmission Mounting System	87
12. Extension Case Oil Seal	90
13. Differential Side Retainer Oil Seal	92
14. Inhibitor Switch	96
15. Turbine Speed Sensor	103
16. Secondary Speed Sensor	105
17. Primary Speed Sensor	107
18. Secondary Pressure Sensor	110
19. Oil Pan and Strainer	112
20. Control Valve Body	116
21. Transmission Harness	129
22. Transmission Control Module (TCM)	142
23. CVTF Cooler Pipe and Hose	144
24. Air Breather Hose	154
25. Drive Plate	157
26. Torque Converter Assembly	159
27. Preparation for Overhaul	161
28. Extension Case	163
29. Transfer Clutch	167
30. Transfer Driven Gear	181
31. Parking Pawl	184
32. Reduction Driven Gear	186
33. Transmission Control Device	194
34. Transmission Case	200
35. CVTF Filter	211
36. Reduction Drive Gear	212
37. Primary Pulley and Secondary Pulley	217
38. Variator Chain	237
39. Reverse Brake Assembly	238
40. Forward Clutch Assembly	253
41. Drive Pinion Shaft Assembly	272
42. Front Differential Assembly	301
43. Oil Pump Chain	319

CONTINUOUSLY VARIABLE TRANSMISSION

44.	Oil Pump	328
45.	Converter Case	331
46.	Diagnostics with Phenomenon	334