

General Diagnostic Table

CONTROL SYSTEMS

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.
	Will not change to manual mode or L mode.	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	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. • Adjust or replace the MT gear select cable.

CONTINUOUSLY VARIABLE TRANSMISSION

CVT(TR580)

	Page
1. General Description	3
2. CVTF	35
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	79
12. Extension Case Oil Seal	83
13. Differential Side Retainer Oil Seal	85
14. Inhibitor Switch	90
15. Turbine Speed Sensor	98
16. Secondary Speed Sensor	100
17. Primary Speed Sensor	102
18. Secondary Pressure Sensor	105
19. Oil Pan and Strainer	107
20. Control Valve Body	111
21. Transmission Harness	125
22. X MODE Switch	137
23. Transmission Control Module (TCM)	143
24. CVTF Cooler (With Warmer Function)	145
25. Air Breather Hose	155
26. Drive Plate	158
27. Torque Converter Assembly	161
28. Preparation for Overhaul	163
29. Extension Case	165
30. Transfer Clutch	169
31. Transfer Driven Gear	184
32. Parking Pawl	187
33. Reduction Driven Gear	189
34. Transmission Control Device	197
35. Transmission Case	203
36. CVTF Filter	215
37. Reduction Drive Gear	216
38. Primary Pulley and Secondary Pulley	221
39. Variator Chain	241
40. Reverse Brake Assembly	242
41. Forward Clutch Assembly	257
42. Drive Pinion Shaft Assembly	277
43. Front Differential Assembly	306

CONTINUOUSLY VARIABLE TRANSMISSION

44.	Oil Pump Chain	325
45.	Oil Pump	334
46.	Converter Case	337
47.	Diagnostics with Phenomenon	340