

HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS

010SU-01

GENERAL INFORMATION

A large number of ECU controlled systems are used in the AVENSIS VERSO/PICNIC. In general, ECU controlled systems are considered to be very intricate, requiring a high level of technical knowledge to troubleshoot. However, most problem checking procedures only involve inspecting the ECU controlled system's circuits one by one. An adequate understanding of the system and a basic knowledge of electricity is enough to perform effective troubleshooting, accurate diagnoses and necessary repairs. Detailed information and troubleshooting procedures on major ECU controlled systems in this vehicle are outlined below:

System	Page
1. SFI System (1AZ-FE)	05-2
2. SFI System (2AZ-FE)	05-252
3. ECD System (1CD-FTV)	05-430
4. ABS with EBD & BA & TRC & VSC System	05-601
5. Electronic Controlled Automatic Transaxle [ECT]	05-743
6. Air Conditioning System	05-847
7. Supplemental Restraint System	05-970
8. Audio System	05-1005
9. Navigation System	05-1070
10. Back Guide Monitor System	05-1172
11. Combination Meter	05-1223
12. Can Communication System	05-1255
13. Cruise Control System	05-1307

FOR USING HAND-HELD TESTER

- Before using the tester, the tester's instruction book or tester's operator manual should be read thoroughly.
- If the tester cannot communicate with the ECU controlled systems when you have connected the cable of the tester to the DLC3 with the power switch and tester turned ON, there is a problem on the vehicle side or tester side.
 - (1) If communication is normal when the tester is connected to another vehicle, inspect the diagnosis data link line (Bus \oplus line) or ECU power source circuit of the vehicle.
 - (2) If communication is still impossible when the tester is connected to another vehicle, the problem is probably in the tester itself. Perform the Self Test procedures outlined in the Tester Operator's Manual.