HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS

0108V–03

GENERAL INFORMATION

There are many ECU controlled systems used in TOYOTA DYNA. In general, ECU controlled system are considered to be very intricate and require a high level of technical knowledge and expert skill to troubleshoot. The fact is, however, that if you proceed by inspecting the circuits one by one, troubleshooting of these systems is not complex. If you have adequate understanding of the system and basic knowledge of electricity, the problem can be accurately diagnosed and fixed. This manual is designed based on the above principle to help service technicians perform accurate and effective troubleshooting, and is compiled for the following major ECU controlled systems:

The troubleshooting procedures are described on the following pages.

System	Page
1. ECD System (15B–FTE)	05–1
2. ECD System (S05C–TB)	05–98
3. ABS & BA System	05–192
4. Easy & Smooth Start System and Brake Lock System	05–267
5. Supplemental Restraint System	05–309
6. Audio System	05–373

FOR USING HAND–HELD TESTER

NOTICE:

Be sure to the 24V VIM, because the hand–held tester will be destroyed if you do not use the 24 VIM.

- Before using the tester, 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 ignition switch and tester turned ON, there is a problem on the vehicle side or tester side.
  (1) If the communication is normal when the tester is connected to another vehicle, inspect the diagnosis data link line (Bus⊕line) or ECU power circuit of the vehicle.
  (2) If the communication is still impossible when the tester is connected to another vehicle, the problem is probably in the tester itself, so perform the Self Test procedures outlined in the Tester Operator's Manual.