

HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS

GENERAL INFORMATION

IN01T-19

A large number of ECU controlled systems are used in the TOYOTA TUNDRA. In general, ECU controlled systems are considered to be a very intricate, requiring a high level of technical knowledge to troubleshoot. However, following the problem checking procedures of the ECU controlled system's circuits carefully is not complex. If you have an adequate understanding of the system and a basic knowledge of electricity, accurate diagnosis and necessary repair can be performed.

This manual emphasizes the above standpoint to help service technicians perform accurate and effective troubleshooting. Detailed information on major ECU controlled systems in this vehicle are outlined below:

System	Page
1. Engine 1GR-FE	DI-1
2. Engine 2UZ-FE	DI-420
3. Automatic Transmission A750E for 1GR-FE	DI-943
4. Automatic Transmission A750E/A750F for 2UZ-FE	DI-1108
5. Tire Pressure Warning System	DI-1280
6. Anti-Lock Brake System	DI-1383
7. ABS with EBD & BA & TRAC & VSC System	DI-1456
8. Can Communication System	DI-1693
9. Supplemental Restraint System	DI-1810
10. TOYOTA Vehicle Intrusion Protection System	DI-2297
11. Cruise Control System	DI-2341
12. Sliding Roof System	DI-2376
13. Body Control System	DI-2391
14. Driver Door Control System	DI-2453
15. Passenger Door Control System	DI-2475
16. Multiplex Communication System	DI-2495
17. Audio System	DI-2519
18. Rear Seat Audio System	DI-2633
19. Rear Seat Entertainment System	DI-2669
20. Navigation System	DI-2753

FOR USING OBD II SCAN TOOL OR HAND-HELD TESTER

- Before using the tester, read its user manual thoroughly.
- Connect the cable of the tester to DLC3, turn the ignition switch ON and operate the tester. If the tester cannot communicate with the ECU controlled system, 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 circuit of the vehicle.
 - (2) If communication is still not possible when the tester is connected to another vehicle, the problem lies in the tester. Perform the Self Test procedures outlined in the Tester Operator's Manual.