

HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS

GENERAL INFORMATION

IN04S-45

A large number of ECU controlled systems are used in the LEXUS IS300. 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	DI-1
2. Automatic Transmission	DI-335
3. ABS with EBD & BA & TRAC System	DI-435
4. ABS with EBD & BA & TRAC & VSC System	DI-505
5. Supplemental Restraint System	DI-605
6. Theft Deterrent System	DI-776
7. Cruise Control System	DI-818
8. Engine Immobiliser System	DI-849
9. Combination Meter System	DI-870
10.Body Control System	DI-893
11.Multiplex Communication System	DI-949
12.LEXUS Navigation System	DI-979
13.Air Conditioning System	DI-1009

FOR USING OBDII SCAN TOOL OR HAND-HELD TESTER

- Before using the scan tool or tester, the scan tool's instruction book or tester's operator manual should be read thoroughly.
- If the scan tool or tester cannot communicate with ECU controlled systems when you have connected the cable of the scan tool or tester to DLC3, turned the ignition switch ON and operated the scan tool, there is a problem on the vehicle side or tool side.
 - (1) If communication is normal when the tool 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 tool is connected to another vehicle, the problem is probably in the tool itself, so perform the Self Test procedures outlined in the Tester Operator's Manual.