HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS

GENERAL INFORMATION

Allarge mumber of ECU controlled systems are used in the LAND CRUISER. In general, the ECU controlled system[is[considered[to]be[a[very[intricate[system[iequiring[a[high[level[of]tlechnical[knowledge[and[expert skilltottroubleshoot.[However,thefact[isthat[ift]ouproceedtothspect[theterouitst]heteroubleshooting[offthese[systems[is]hot[complex.]]f[you[have[adequate]understanding[offthe[system[and[a[basic[knowledgefoffelectricity, accurate diagnosis and mecessary flepair can be formed to flocate and fix the forblem. This manual is designed through phasis of the above standpoint of help service technicians perform accurate and effective froubleshooting, and is compiled for the following imajor ECU controlled systems: The troubleshooting procedure and how to make use of it are described on the following pages.

System	Page
1. Navigation System	DI-1
2. Air Conditioning System	DI-11 <u>0</u>

FOR USING HAND-HELD TESTER

- Before using the tester, the tester's operator manual should be read thoroughly.
- If the tester cannot communicate with ECU controlled systems when you have connected the cable of the tester to DLC3, turned the ignition switch ON and operated the tester, there is a problem on the vehicle side or tester side.
 - If 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.
 - If communication is still not possible when the tester is connected to another vehicle, the problem (2)is probably in the tester itself, so perform the Self Test procedures outline in the Tester Operator's Manual.