

Design of software to support inspection, diagnosis, and repair of the Toyota Fortuner TGN51 KUN60 body electrical system.

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Abstract: In the context of the rapidly developing automotive industry, maintaining the performance of vehicle electrical systems is extremely important. This topic focuses on designing software to support lookup, inspection, diagnosis, and repair of the body electrical system for the Toyota Fortuner model TGN51 KUN60. The main objective is to develop a system that helps technicians quickly identify and resolve issues related to the electrical system. The research method includes analyzing the vehicle's electronic structure, designing a user-friendly interface, and conducting practical tests on the vehicle model. It is expected that this software will bring many benefits in improving work efficiency and reducing repair time for technicians.

Keywords: Support software, Diagnostic testing, Automotive electrical system, Toyota Fortuner, Repair techniques