

CAR GEAR LOCK SYSTEM

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ABSTRACT

This report is going to introduce about the project I did which is Car Gear Lock System. It contains two main parts which are mechanical part and electrical part, in mechanical part I will show the design of the bracket and how I am going to make a bracket to install inside the car. So this gear lock is invisible (this is an internal car gear lock), from outside just can see a cylinder lock to let you put in the key. Electrical part is to design a circuit to control the gear lock function as automatic lock, so that the lock action will be done in automatic way, and also show how to make PCB step by step.

First of all, I divide my project to several sections, which is introduction of the car lock and why I redesigned it again. Secondly is to tell about the purpose of my project, and how these devices operate also introduce in two different parts. The next section is how to construct this project, in very detailed way. The data and result also will post the behind, to let you know that my theoretical calculation and experiment calculation. The picture and the illustrations also attached in the following pages. And the last section of report is the appendix, all the IC data sheet will see in this section.

All these features and modifications will be discussed in further detail in later part of this project report.