



AUTOMOTIVE ELECTRONIC CONTROL UNIT (ECU)

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OCTOBER 2002



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ACKNOWLEDGEMENT

When we considered whom and how many to thank for their help in this project, we decided that the person primarily responsible for the launching of this project deserves special thanks.

Alhamdulillah, first we like to say thanks to Allah, The Al-Mighty for giving us the change to finish this project.

Special thank to MR. MUHAMMAD HUSSAIN BIN ISMAIL, our advisor beyond this project. He has been encouraging and guiding us as well as a good listener through this project. All contents of our final project are been inspected and corrected by him.

Special thanks go to our academic advisor and head programmer, PROFESOR MADYA ZAMRI BIN ABDUL RAHMAN for his encouragement and support for this project.

We also like to thank Mr. Lim Ah Guan (the owner of RCT Garage) and all the members for the cooperation that been given to us to do some inspection and research in order to complete our final project.

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CHAPTER I

INTRODUCTION

1.1 SCOPE OF PROJECT

Nowadays, fully integrated electronic control systems are state-of-the-art, standard equipment on most cars. Current systems use an Electronic Control Unit (ECU). The ECU is electronic devices able to draw the conditions of exercise of the engine and to modify the functioning of the interested organs; they govern all the vital function of the engine, from the fuel injector in the cylinder to the correct phase of spark in the combustion chamber and the other.

The reason was the ECU has brought more engine functions under electronic control with best performance, fuel economy and emission control. It's absolutely needed by automotive vehicles. The basic parts of an ECU are the inputs, the control unit (decision-maker), and the outputs. The inputs devices are sensors, the output are the actuators. The decision maker or control unit is microprocessor.

While the human knowledge gets better, our automotive technologies also gain more profit from the big thinker. Lots of aftermarket products of automotive can solve the driver needs for their desire of pleasure driving. Nevertheless, behind the supreme