

DESIGN AND OPERATING CHARACTERISTICS OF A  
PETROL INJECTION SYSTEM

BY

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Project Report

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## SUMMARY

The object of this project was to design and describe the operating characteristics at a petrol injection system.

The whole work is divided into two parts. The first part referred to the single point injection system and the second part to the multi-point injection system.

The first part was divided into two chapters. The first chapter deals with general description and system schematic. The second chapter deals with components description. The various parts of the system are described.

The second part was divided into seven chapters. The first chapter deals with engine's fuel supply. Chapter two refers to air intake system. The third chapter deals with adaptation at different operating conditions. The chapter four describes additional functions of the system. Chapter five refers to Electronic Control Unit, chapter six deals with lambda - closed loop control circuit and finally chapter seven refers to troubleshooting of injection system.

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