

HIGHER TECHNICAL INSTITUTE
MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF TEACHING AIDS FOR
PETROL INJECTION SYSTEMS

PANAYIOTIS A. KESTA

M/ 764

JUNE 1996

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

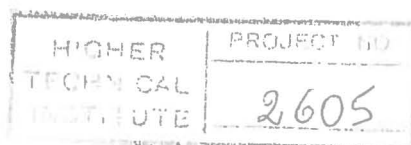
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To My Parents

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Project Number: M/764

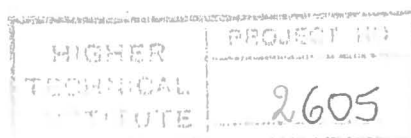
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Project report submitted to the Department of Mechanical Engineering of the Higher Technical Institute in partial fulfillment of the requirements for the award of the Diploma of the Technician Engineer in Mechanical Engineering of the Higher Technical Institute Nicosia - Cyprus.

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SUMMARY

DVELOPMENT OF TEACHING AIDS FOR PETROL INJECTION SYSTEMS

BY: PANAYIOTIS A. KESTA

The objectives of this project was to describe and present typical petrol injection systems, to prepare visual aids of petrol injection systems and to construct learning manuals of the system.

For this work petrol injection systems of popular makes had used.

The whole work is divided into three parts. The first part referred to the descriptions of the systems, the second part to the trouble-shooting and the third part to the construction of learning manuals of petrol injection systems.

The first part is divided into four units. The first unit deals with the continuous systems, the second unit deals with deals with the intermittent fuel injection systems (with air flow sensor) and L-Jetronic, LH-Jetronic, Motronic are described. The third unit deals with the Intermittent fuel injection systems (with manifold pressure sensor) and Honda PGM-FI and Lucas P-Digital are described. The forth unit deals with the single point fuel injection systems and Mono-Jetronic is described.

The Second Part deals with the types of problems that any systems may have and how to face this faults.

The third part refers to the construction of learning manual of petrol injection system.