

DESIGN FEATURES FOR THE AUXILIARY

POWER UNIT OF AN AIRLINER

Project Report Submitted by

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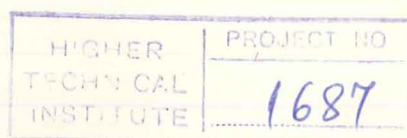
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ABSTRACT

The work that follows, is a detailed description and features of the construction and operation of the various parts and systems of the advanced technology auxiliary power unit, one of the most important power units used on the aircraft.

The report deals with the design features of APU's employed in many types of transport aircraft, but mainly the work is concentrated with one of the most popular auxiliary power units, that of the Airbus 310 airliner.

Signalized Features of the APU

C O N T E N T S

CHAPTER 1:	Basic Operation
CHAPTER 2:	Power Section
2.1	: Power Section Compressor
2.2	: Combustion Section
2.3	: Turbine Section
CHAPTER 3:	Load Compressor
CHAPTER 4:	Gearbox
CHAPTER 5:	Miscellaneous Features of the APU
CHAPTER 6:	Fuel System
CHAPTER 7:	Lubrication System
CHAPTER 8:	Pneumatic System