

DESIGN FEATURES AND MAINTENANCE PROCEDURES
FOR THE V2500 ENGINE

Project Report Submitted by

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ABSTRACT

The work that follows, deals with the design features and maintenance procedures of the V2500 aircraft engine. Description of the components of a typical gas turbine engine, and variations of the engine are explained with emphasis on the thermodynamic and fluid aspects.

The report also deals with the general description including the mechanical and material aspects of the engine, and maintenance considerations applied on the Airbus 320 airliner.

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CHAPTER 1 : Principles of operation

CHAPTER 2 : Compressors

CHAPTER 3 : Combustion Chambers

CHAPTER 4 : Turbines

CHAPTER 5 : Exhaust System

CHAPTER 6 : Engine Performance

CHAPTER 7 : International Aero Engine (I.A.E) V2500

CHAPTER 8 : Maintenance