



AIRLAB SUBANG

BASIC RECIPROCATING ENGINE

Covers the fundamental principles and operation of reciprocating engines used in aviation.

Introduction

Reciprocating engines, often referred to as piston engines, are widely used in smaller aircraft. This course provides participants with an introduction to the basic principles of reciprocating engine operation, including the components, systems, and maintenance practices associated with these engines. Participants will learn about the different types of reciprocating engines, their applications in aviation, and the key factors that influence engine performance. The course also covers basic troubleshooting and maintenance procedures to ensure engine reliability and safety.

Course Objectives

To provide participants with the knowledge and skills necessary to understand and maintain reciprocating engines in aviation.

Course Outline

- Introduction to Reciprocating Engines
- Types of Reciprocating Engines
- Engine Components and Systems
- Principles of Operation
- Maintenance Practices
- Troubleshooting Techniques
- Regulatory Requirements
- Case Studies

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+60378325136



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