

ATB AIRCRAFT MAINTENANCE

EASA AMT TRAINING

Fully compliant textbooks for the international B1 (Aircraft Mechanic) and B2 (Avionics Technician) licenses with approvals in over 30 countries.



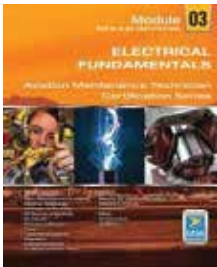
EASA PART 66 MODULE 01 - MATHEMATICS

Module 1 covers arithmetic, algebra, and geometry as they apply to aircraft maintenance. This module contains instruction in basic mathematics as required for the aviation maintenance technician as prescribed for the EASA Part 66 B1 and B2 license as well as the FAA A&P mechanic.
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PHYSICS

Module 2 covers matter, mechanics, fluid dynamics, thermodynamics, optics, and wave motion as they apply to aircraft maintenance. This book is fully compliant to EASA Part 66 standards for the B1 aircraft maintenance license and is developed as appropriate for use within a typical 2 year 2400 hour Part 66/147 program.
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ELECTRICAL FUNDAMENTALS

This book covers basic electrical systems and concepts for the aviation maintenance technician. From basic theory to AC and DC generators and motors, each topic is explained in step by step detail. You will learn by understanding concepts, not just rote memorization and you will learn how and why each skill is useful in the day-day tasks of the aircraft technician in an aviation maintenance environment.
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ELECTRONIC FUNDAMENTALS

Module 4 covers semiconductors, transistors, integrated circuits, circuit. This book is fully compliant to EASA Part 66 standards for B1 aircraft maintenance requirements, and is developed as appropriate for use within a typical 2 year 2400 hour Part 147 program.
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B2 edition book ...P/N 13-23206
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DIGITAL SYSTEMS

Module 5 covers databasses, logic circuits, computer structure, microprocessors, multiplexing, fiber optics, the electromagnetic environment, digital systems, etc. Today's aircraft increasingly rely on digital technology and complex electronic systems, not just for instrumentation, navigation, and communications, but today even for flight controls, system monitoring, maintenance planning, and more and more. Fiber optics and fly-by-wire is no longer the exception, but the rule. It is no longer limited to military, but now

the basis of private and commercial aircraft both large and small. This module presents the B1 / B2 or A&P mechanical technician with what he or she needs to know for both a general understanding of these systems and the ability to work around them in an efficient and safe manner.
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B1 edition e-book.....P/N 13-23222
B2 edition book.....P/N 13-23208
B2 edition e-book.....P/N 13-23207



MATERIALS & HARDWARE

Module 6 covers metals, composites, wood, fabric corrosion, aircraft fasteners, transmissions, bearings, cable systems, and electrical connectors, etc. Aircraft Materials and Hardware covers the type of materials commonly used in aircraft and aerospace applications from ferrous and non-ferrous metals and testing procedures; composite fabrics and resins; the identification and uses of various AN and MS hardware, and electrical wiring and connecting devices. You will learn by understanding concepts, not just rote memorization and you will learn how and why each type of material and connector is useful in the day-day tasks of the aircraft technician in an aviation maintenance environment.
B1 edition e-book.....P/N 13-21782-1



MAINTENANCE PRACTICES

Module 7 covers shop practices, tools, test equipment, drawings, wiring practices, riveting, welding, weight & balance, aircraft handling, maintenance procedures, inspection techniques and more. This book is fully compliant as EASA Part 66 module 7 for the B1 license and has been given approvals by numerous EASA based civil aviation authorities.
B1 edition book ...P/N 13-16201
B1 edition e-book P/N 13-22420
B2 edition e-book P/N 13-23224



AERODYNAMICS

Module 8 covers aerodynamics, flight theory, aircraft stability and dynamics, etc. as they apply to aircraft maintenance. This book is fully compliant as EASA Part 66 module 8 for the B1 and B2 license and has been given approvals by numerous EASA based civil aviation authorities.
B1 edition e-book P/N 13-23237



HUMAN FACTORS

Module 9 covers human factors as they relate to the aircraft maintenance environment including physiology, psychology, communication, team building, safety, etc. Also included in this manual is a detailed description of the the MEDA model (Maintenance Error Decision Aid) developed by The Boeing Company. Included is its philosophy and process, how to develop and implement the program, along with sample MEDA forms and advice on how to complete it while getting the most of the program.

This book is fully compliant as EASA Part 66 module 9 for the B1 and B2 license and has been given approvals by numerous EASA based civil aviation authorities.
book.....P/N 13-15922
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PROFESSIONAL PURSUIT

A set of 400 popular style flashcards with A&P categories of General, Airframe, Powerplant, and Avionics, based on the knowledge required for the FAA A&P exams. Have fun while learning and testing yourself, fellow students, co-workers, and even your boss. Excellent practice for the FAA oral exams.

EASA students will also find these an excellent resource for your Cat-A, B1 and B2 studies. The General category will relate to modules 1, 2, 3, 6, 7, and 8. The Airframe category will relate to module 6, 7, and 11. Powerplant to modules 15, 16, and 17. Avionics to modules 4, 5, 13, and 14.....P/N 13-23202