

Falcon 10/100 w/ TFE731-2 Engines

Maintenance Initial Course (10 Day)

Course Outline and Syllabus

Objective

This program is designed to give aircraft technicians an in-depth understanding and skills necessary to maintain the Falcon 10/100 safely, efficiently and cost effectively. This course will also introduce technicians to the latest developments to the aircraft such as: AD's, Service Bulletins and Service Letters. The end result should be: safer aircraft operations, lowered maintenance costs and greater dispatch reliability.

Accreditation

AccuJet's technical training courses meets the Air Transport Association Specification 104 recommended guidelines at Level III - Line and Base Maintenance Training and also meets the FAA requirements contained in FAR 65.93(A)(4) for Inspection Authorization Renewal.

Enrollment Prerequisites

Each student should be a licensed aircraft technician, and/or currently employed by a FAA certified repair station or aircraft operator.

Classroom Size

20 students or less is preferred per class.

Course Duration

The course is a total of ten days Monday thru Friday (70 hours training completion time).

Training Location

Classes are usually held either at or near customer's facility.

Training Aids/Publications

Training manuals along with manufacturer's manuals and other vendor publications are used during the course.

Training Equipment

AccuJet's technical training courses are delivered to its clients by using state of the art multimedia presentations. Field trips to an actual aircraft are also used to enhance training when available.

Instruction Method

Instructor lead classroom discussion (lectures) along with classroom participation (questions, comments). Students are certainly encouraged to participate throughout each session. A workbook has been designed to enhance student activity throughout the course.

Completion Standard

70 hours of training will result in a Falcon 10/100 Maintenance Initial Course Completion Certificate and Course Summary Sheet.

Course Outline/Schedule

The Falcon 10/100 Maintenance Initial Course outline is shown below. Class times will be from 8:00am to 4:00pm with an hour for lunch Monday thru Friday. Please make your travel arrangements to correspond with these times.

DAY 1 = 7 hrs	DAY 2 = 7 hrs	DAY 3 = 7 hrs	DAY 4 = 7 hrs	DAY 5 = 7 hrs
Introduction Tech Manual Review Maintenance Manual Review Aircraft Overview (ATA 0 – 20) <ul style="list-style-type: none"> o Time Limits/Maintenance Checks o Dimensions and Areas o Lifting and Shoring o Leveling and Weighing o Towing and Taxiing o Parking and Mooring o Placards and Markings o Servicing o Standard Practices Airframe 	Aircraft Structures (ATA 51 – 57) <ul style="list-style-type: none"> o Structures o Doors o Fuselage o Nacelles and Pylons o Stabilizers o Windows o Wings Electrical (ATA 24) <ul style="list-style-type: none"> o Components o Operation o Monitoring 	Electrical Con't... <ul style="list-style-type: none"> o Troubleshooting o Latest Developments Lighting (ATA 33) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting Warnings/Indications (ATA 31) <ul style="list-style-type: none"> o Cockpit Panels o Visual Indications o Audio Indications o Angle of Attack o Take Off Warning 	Bleed Air (ATA 36) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments Air Conditioning / Pressurization (ATA 21) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments 	Ice and Rain Protection (ATA 30) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments Hydraulics (ATA 29) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments WEEKLY TEST (50 questions)
DAY 6 = 7 hrs	DAY 7 = 7 hrs	DAY 8 = 7 hrs	DAY 9 = 7 hrs	DAY 10 = 7 hrs
Landing Gear (ATA 32) <ul style="list-style-type: none"> o Ext/Retraction o Steering o Brakes o Components o Operation o Monitoring o Troubleshooting o Latest Developments 	Flight Controls (ATA 27) <ul style="list-style-type: none"> o Artificial Feel Units o Aileron Arthur Q o Rudder Arthur Q o Elevator Arthur Q o Trim Controls o Components o Operation o Monitoring o Troubleshooting o Latest Developments 	Fuel System (ATA 28) <ul style="list-style-type: none"> o Storage Tanks o Pressurization o Transfer System o Quantity Indication o Refueling/Defueling o Draining o Components o Operation o Monitoring o Troubleshooting o Latest Developments Oxygen (ATA 35) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments 	Fire Protection (ATA 26) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments Thrust Reversers (ATA 78) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments Starting and Ignition (ATA 80) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments 	Powerplant (ATA 71-77, 79) <ul style="list-style-type: none"> o Components o Operation o Monitoring o Troubleshooting o Latest Developments Avionics (ATA 22, 23, 34) <p>System overview of:</p> <ul style="list-style-type: none"> o Communications o Navigation o Autoflight WEEKLY TEST (50 questions)