Falcon 50 w/ TFE731-3 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 50 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.

AccuJet Aviation Maintenance Training
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AccuJet Aviation Maintenance Training

Completion Standard

70 hours of training will result in a Falcon 50 Maintenance Initial Course Completion Certificate and Course Summary Sheet.

Course Outline/Schedule

The Falcon 50 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 5 – 20)** ○ Time Limits and Maintenance Checks ○ Dimensions and Areas ○ Lifting and Shoring ○ Leveling and Weighing ○ Towing and Taxiing ○ Parking and Mooring ○ Placards ○ Ingredients and Consumables ○ Standard Practices	**Aircraft Stuctures (ATA 51 – 57)** ○ Structures ○ Doors ○ Fuselage ○ Nacelles and Pylons ○ Stabilizers ○ Windows ○ Wings **Electrical (ATA 24)** ○ Components ○ Operation ○ Monitoring	**Electrical Con't…** ○ Troubleshooting ○ Latest Developments **Lighting (ATA 33)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting **Warnings/Indications (ATA 31)** ○ Visual Indications ○ Audio Indications ○ Take Off Warning ○ Master Warning Panel	**Bleed Air (ATA 36)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Air Conditioning / Pressurization (ATA 21)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments	**Ice and Rain Protection (ATA 30)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Water-Waste (ATA 38)** ○ Components ○ Operation **Avionics (ATA 22, 23, 34)** System overview of: ○ Communications ○ Navigation ○ Autoflight **WEEKLY TEST (50 questions)**
DAY 6 = 7 hrs	**DAY 7 = 7 hrs**	**DAY 8 = 7 hrs**	**DAY 9 = 7 hrs**	**DAY 10 = 7 hrs**
Hydraulics (ATA 29) ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Landing Gear (ATA 32)** ○ Ext/Retraction ○ Steering ○ Brakes ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments	**Flight Controls (ATA 27)** ○ Artificial Feel Units ○ Aileron Arthur Q ○ Trim Controls ○ Elevator Arthur Q ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments	**Fuel System (ATA 28)** ○ Storage Tanks ○ Pressurization ○ Transfer System ○ Quantity Indication ○ Refueling/Defueling ○ Draining ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Oxygen (ATA 35)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments	**Fire Protection (ATA 26)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Thrust Reverser (ATA 78)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Starting and Ignition (ATA 80)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments	**APU (ATA 49)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **Powerplant (ATA 71-77, 79)** ○ Components ○ Operation ○ Monitoring ○ Troubleshooting ○ Latest Developments **WEEKLY TEST (50 questions)**

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