

# ***Falcon 900EX Aircraft Systems***

## **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 900EX 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 10 days  
Monday thru Friday (80 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

80 hours of training will result in a Falcon 900EX Aircraft Systems Maintenance Initial Course Completion Certificate and Summary Sheet.

## Course Outline/Schedule

The Falcon 900EX Aircraft Systems Maintenance Initial outline is shown below. Class times will be from 8:00am to 5:00pm with an hour for lunch Monday thru Friday. Please make your travel arrangements to correspond with these times.

DAY 1 = 8 hrs	DAY 2 = 8 hrs	DAY 3 = 8 hrs	DAY 4 = 8 hrs	DAY 5 = 8 hrs
<b>Electrical (ATA 24)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Lighting (ATA 33)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> </ul> <b>Indicating-Recording Systems (ATA 31)</b> <ul style="list-style-type: none"> <li>○ Warning Panel</li> <li>○ Audio Warning System</li> <li>○ Take Off Warning</li> <li>○ Clock</li> </ul>	<b>Bleed Air (ATA 36)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>Air Conditioning / Pressurization (ATA 21)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Ice and Rain Protection (ATA 30)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>Hydraulics (ATA 29)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Landing Gear (ATA 32)</b> <ul style="list-style-type: none"> <li>○ Ext/Retraction</li> <li>○ Steering</li> <li>○ Brakes</li> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <p style="color: blue; font-weight: bold;">WEEKLY TEST (50 questions)</p>
DAY 6 = 8 hrs	DAY 7 = 8 hrs	DAY 8 = 8 hrs	DAY 9 = 8 hrs	DAY 10 = 8 hrs
<b>Flight Controls (ATA 27)</b> <ul style="list-style-type: none"> <li>○ Artificial Feel Units</li> <li>○ Aileron Arthur Q</li> <li>○ Trim Controls</li> <li>○ Elevator Arthur Q</li> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Fuel System (ATA 28)</b> <ul style="list-style-type: none"> <li>○ Storage Tanks</li> <li>○ Pressurization</li> <li>○ Transfer System</li> <li>○ Quantity Indication</li> <li>○ Refueling/Defueling</li> <li>○ Draining</li> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>Central Maint. Sys. (ATA 45)</b> <ul style="list-style-type: none"> <li>○ General</li> <li>○ Maint. Panel</li> <li>○ Maint. Computer</li> </ul>	<b>Water-Waste (ATA 38)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> </ul> <b>Oxygen (ATA 35)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>Fire Protection (ATA 26)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Thrust Reverser (ATA 78)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>APU (ATA 49)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul>	<b>Starting and Ignition (ATA 80)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <b>Powerplant (ATA 71-77, 79)</b> <ul style="list-style-type: none"> <li>○ Components</li> <li>○ Operation</li> <li>○ Monitoring</li> <li>○ Troubleshooting</li> <li>○ Latest Developments</li> </ul> <p style="color: blue; font-weight: bold;">WEEKLY TEST (50 questions)</p>