

Publications and Training Solutions

Course Syllabus: 523-0816146

COURSE TITLE: Falcon Cabin Management System (FCMS)
Dealer Training

PREREQUISITES:

Students should have a basic knowledge of aircraft avionics systems, familiarity with avionics system testing and troubleshooting, ability to read diagrams, and proficiency with speaking and reading simplified English. Students should be familiar with MS Windows® based Operating Systems (XP) and DOS commands.

PURPOSE:

This course provides training to allow students to define the Falcon Cabin Management System (FCMS), identify components and functionality, and perform procedures related to the system's functional operations.

OBJECTIVES: Upon completing this course, the student should be able to:

1. Define FCMS.
2. Identify FCMS components and their functionality.
3. Set the Multi-Drop Secondary Bus (MDSB) address.
4. Troubleshoot the system.
5. Install the DiagClient software.
6. Perform a conformance and Digital Interface Box (DIB) check.
7. Force a download.

COURSE LENGTH: 4 Hours

REFERENCES:

1. Falcon Cabin Management System (FCMS) Tool Suite Software
Installation and Operation Manual 523-0817620
2. Applicable Service Bulletins (SB) and Service Information Letters (SIL)

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COURSE OUTLINE

0. Welcome & Introductions

- A. Course Navigation
- B. Course Objectives
- C. Assessment

1. Components

- A. FCMS Definition
- B. Cabin Control
- C. Entertainment
- D. Components
 - i. Communication Devices
 - ii. Cabin Management System (CMS) Controllers
 - iii. Source Devices
 - iv. Switch Panels
 - v. Monitors
- E. Component Locations

2. Functionality

- A. Component Interconnectivity
 - i. EDIB
 - ii. DDIB
 - iii. Line Replaceable Unit (LRU)
 - iv. Signals
 - v. MDSB
 - vi. 1394b Firewire
 - vii. Video Operations

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3. MDSB Address

- A. On A Type Switch Panel
- B. On Touch Screen Controller

4. Troubleshooting

- A. BB BIT
- B. LRU BIT
- C. System Configuration
- D. System Reset

5. DiagClient Installation Procedures

- A. Access Setup Wizard
- B. DiagClient Setup
- C. Update Files

6. Conformance and DIB Check

- A. Software Conformance Check
- B. DIB Status Diagnostic Check

7. Force Download

- A. Versioning
- B. DIB Update
- C. File Locations
- D. Force Download

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EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
3.8 Inch Display	LCD Display	2515-1-1
Airplay Dual Disc CD/DVD/MP3 Player	CD/DVD/MP3 Player	866-0027-001
Digital Media Server	DMS	925000-100
External Viewing Camera	CAM-11	100-1051-02
Quad Cam Color	CAM-11	866-0037-001
Switch Panel	A Type Switch Panel	2501-1-174 /-207 /-208 / -212 /-216 /-217 /-233 / -234 /-235
Switch Panel	A Type Switch Panel	2501-4-023
3.8 Color Display Switch Panel	DSP	2518-1-1
XM Radio 2 Channel Receiver	XM RCVR	XMR200-01