

Publications and Training Solutions

Course Syllabus: 523-0815519

COURSE TITLE: DIAG3000 Diagnostic Tool
Flight Line Maintenance (Level I)

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 line maintenance personnel with familiarization on the operation of the DIAG3000 Diagnostic Tool and an understanding of the Falcon Cabin Management System (FCMS).

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

1. Understand how to install and run the DIAG3000 tool.
2. Understand the DIAG3000 tool screens and options.
3. Understand navigation within the DIAG3000 tool.
4. Understand how to troubleshoot the DIAG3000 tool.

COURSE LENGTH: 2 Hours

REFERENCES:

1. DIAG3000 Operation Manual 523-0815299
2. DIAG3000 Supplemental Operation Manual 523-0810178
3. Applicable Service Bulletins (SB) and Service Information Letters (SIL)

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COURSE OUTLINE

0. Welcome & Introductions

1. DIAG3000 Overview

- A. Toolbar
- B. Software Overview
- C. System Requirements
- D. CMS-1 Screens
- E. CMS-2 Screens

2. Diagnostic Screens

- A. 2050
- B. 2033
- C. 2052
- D. ADB
- E. Switch Panels

3. Navigation

- A. Device List
- B. Snapshot
- C. ADB Monitor
- D. Aircraft Layout
- E. Display Address
- F. PPC Monitor
- G. DIB Management

4. Troubleshooting

- A. Device List
- B. Snapshot
- C. ADB Monitor

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- D. Aircraft Layout
- E. Display Address
- F. PPC Monitor
- G. DIB Management

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Diagnostic 3000 CD ROM	DIAG 3000	831-8196-001
Primary Port Controller	PPC	2050-1-3
Cabin Management Module	CMM	2052-1-7
IR/RF Controller	IR/RF Controller	2033-1-1
Area Distribution Box	ADB	962000-101
Encoder Digital Interface Box	EDIB	2027-1-2
Audio Video Distributor	A/V DIST	2022-1-1
Switch Panels	A Type Switch Panel	2501-123-1
Display Switch Panels	LCD Switch Panel	2516-1-1
Dual Disc CD/DVD/MP3 Player (Analog)	DVD Player	866-0027-004
Multi-Regional VCR	VCR	3404-1-1
5-Disc CD Changer	CD Changer	3201-1-1
6-Channel Audio Amplifier	Audio Amp	3600-1-1
Touchscreen Remote Control	Display Remote	2507-1-002
10.4" Touchscreen Display	LCD Display	2525-1-10400