

## Publications and Training Solutions

### Course Syllabus: 523-0808752

**COURSE TITLE:** Pro Line II – Autopilot System (APS-65) and Flight Guidance System (FGS-65)  
Flight Line Maintenance (Level I)

**PREREQUISITES:**

Students should have a basic knowledge of aircraft avionics systems and a working command of the English language. Students should be familiar with MS Windows® based Operating Systems.

**PURPOSE:**

This course provides line maintenance personnel with the training to operate and perform flight line maintenance for the Pro Line II Autopilot System (APS-65) and Flight Guidance System (FGS-65).

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

1. Identify flight director modes.
2. Identify the APS/FGS Ground and Airborne Self-Tests, Flight Control Panel (FCP-65) Mode Selection, and Autopilot.
3. Recognize diagnostic codes and troubleshooting procedures.

**COURSE LENGTH:** 1 Hour 30 Minutes

**REFERENCES:**

- |   |             |
|---|-------------|
| 1. APS-65A/G Diagnostic's Guide         | 523-0777118 |
| 2. APS-65()/FGS-65() Diagnostic's Guide | 523-0774287 |

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### **COURSE OUTLINE**

#### **0. Welcome & Introductions**

- A. Objectives

#### **1. Flight Director Modes**

- A. Introduction
- B. Flight Director Modes

#### **2. Normal Operation**

- A. Introduction
- B. Ground and Airborne Self-Tests
- C. Mode Selection Test
- D. Autopilot Operations Test

#### **3. Diagnostics Codes and Troubleshooting**

- A. Introduction
- B. Diagnostic Codes
- C. System Troubleshooting

#### **4. Summary**

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**EQUIPMENT TYPE:**

<b>EQUIPMENT</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
Autopilot Computer	APC-65	622-5796-001 / 002 / 004 / 006 / 007 / 008 / 009 / 010 / 011 / 012 / 013 / 014 / 016 / 033 / 107 / 108 / 109 / 110 / 113 / 209 / 249 / 309 / 409
Autopilot Panel	APP-65A	622-6684-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 009 / 010 / 106
Navigation Control Unit	CTL-32	622-6521-009 / 010 / 011 / 012
Display Select Panel	DSP-85M	822-0967-201
Flight Control Panel	FCP-65	622-5798-007 / 008 / 010 / 011 / 013 / 014 / 025
Flight Guidance Computer	FGC-65	622-5952-001 / 020 / 120
Preselector/Alerter	PRE-80A	622-2923-001 / 002 / 003 / 004 / 005 / 006 / 011 / 012 / 013 / 014 / 015 / 016 / 021 / 022 / 023 / 024 / 025 / 026 / 031 / 032 / 033 / 034 / 035 / 036
Preselector/Alerter	PRE-80C	622-9462-001 / 002 / 003 / 004 / 005 / 006 / 011 / 012 / 013 / 014 / 015 / 016 / 021 / 022 / 023 / 024 / 025 / 026 / 031 / 032 / 033 / 034 / 035 / 036