

Publications and Training Solutions

Course Syllabus: 523-0808751

COURSE TITLE: Pro Line II – Air Data System (ADS-85)
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 training to operate and perform flight line maintenance for the Air Data System (ADS-85).

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

1. Confirm normal system operation of the ADS-85.
2. Identify self-tests and functional tests for the components of the ADS-85.

COURSE LENGTH: 45 Minutes

REFERENCES:

1. Collins ADS-80()/82()/85() Air Data System Pilot's Guide 523-0768038

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COURSE OUTLINE

0. Welcome & Introductions

A. Objectives

1. Normal Operation

A. Introduction

B. System Operations

2. Diagnostics and Troubleshooting

A. Introduction

B. Diagnostic Self-Test

C. Troubleshooting

3. Summary

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Air Data Computer	ADC-85	622-8051-001 / 002 / 003 / 004 / 005
Air Data Computer	ADC-85A	822-0370-113 / 123 / 139 / 146 / 147 / 148 / 404 / 408 / 425 / 426 / 432 / 451 / 460 / 461 / 462 / 472 / 479 / 492 / 499 / 507 / 519 / 526 / 528 / 531 / 532 / 628 / 632
Air Data Computer	ADC-85L	822-1724-455 / 458
Barometric Altimeter	ALI-80	622-2292-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008
Barometric Altimeter	ALI-80A	622-3975-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008

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EQUIPMENT	NOMENCLATURE	PART NUMBER
		/ 011 / 014 / 015 / 201 / 213
Barometric Altimeter	ALI-80L	622-6238-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008
Airspeed Indicator	ASI-80D	622-5352-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 009 / 010 / 011 / 012 / 013 / 014 / 015 / 016 / 017 / 018 / 024 / 034 / 044 / 054
Airspeed Indicator	ASI-80F	622-6728-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 009 / 010 / 011 / 012 / 013 / 014 / 015 / 016 / 017 / 018 / 213
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
Vertical Speed Indicator	VSI-80	622-1910-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008
Vertical Speed Indicator	VSI-80A	622-4782-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 201 / 203

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EQUIPMENT	NOMENCLATURE	PART NUMBER
Temp – True Airspeed Indicator	TAI-80A	622-2294-001 / 002 / 003 / 004 / 011 / 012 / 013 /014
Temp – True Airspeed Indicator	TAI-80B	622-3234-001 / 002 / 003 / 004 / 011 / 012 / 013 /014 / 202