

Publications and Training Solutions

Course Syllabus: 523-0808753

COURSE TITLE: Pro Line II – Comm/Nav Pulse System (CNPS)
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 Comm/Nav Pulse System (CNPS).

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

1. Identify and communicate normal operations in relation to the aircraft's position.
2. Identify diagnostic tests on the navigation subsystem and troubleshooting procedures for the communications subsystem of an aircraft's Comm/Nav system.

COURSE LENGTH: 50 Minutes

REFERENCES:

- | | |
|--|-------------|
| 1. Collins Pro Line II Pilot's Guide | 523-0773070 |
| 2. Collins Avionics Pro Line II Comm/Nav/Pulse Systems Flight-Line Maintenance Troubleshooting Flow Charts | 523-0775841 |
| 3. Pro Line II Comm/Nav/Pulse System Installation Manual | 523-0772719 |

Publications and Training Solutions Course Syllabus: 523-0808753

COURSE OUTLINE

0. Welcome & Introductions

- A. Objectives

1. Normal Operation

- A. Introduction
- B. Radio Navigation Operations
- C. Confirm Identification Operations
- D. Confirm Normal Communications

2. Diagnostics Codes and Troubleshooting

- A. Introduction
- B. Navigation Diagnostic Tests
- C. Communication Test

3. Summary

Publications and Training Solutions

Course Syllabus: 523-0808753

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Radio Altitude Indicator	ALI-55	622-2937-001 / 002 / 003 / 004 / 005 / 008 / 009
COM Control Unit	CTL-22	622-6520-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008
NAV Control Unit	CTL-32	622-6521-009 / 010 / 011 / 012
ADF Control Unit	CTL-62	622-6522-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 009 / 010 / 011 / 012 / 013 / 014 / 015 / 016
ATC Control Unit	CTL-92	622-6523-001 / 002 / 003 / 004 / 005 / 006 / 007 / 008 / 201 / 202 / 203 / 204 / 205 / 206 / 207 / 208 / 305 / 306 / 307 / 308
DME Indicator	IND-42A	622-6524-001 / 002 / 003 / 004
Radio Magnetic Indicator	RMI-36	622-2506-001 / 002 / 003 / 004 / 005 / 006 / 007 / 009 / 010 / 011 / 012 / 013 / 014 / 101 / 102 / 103 / 104 / 105 / 106 / 107 / 108 / 109 / 110 / 111