

Publications and Training Solutions

Course Syllabus: 523-0808756

COURSE TITLE: Pro Line II – Magnetic Compass System (MCS-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 Magnetic Compass System (MCS-65).

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

1. Identify equipment controls and indicators, and equipment handling procedures for the MCS-65.
2. Determine the normal and abnormal operation for the MCS-65.
3. Identify related Electronic Horizontal Situation Indicator (EHSI) annunciations.
4. Determine when MCS-65 requires alignment and how to troubleshoot the MCS-65.

COURSE LENGTH: 1 Hour

REFERENCES:

- | | |
|--|-------------|
| 1. MCS-65 Magnetic Compass System Instruction Book | 523-0771835 |
| 2. Compass Swing (AHS-85/MCS-65) System – DVD | 523-0816338 |

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COURSE OUTLINE

0. Welcome & Introductions

- A. Objectives

1. Equipment Controls, Indicators, and Handling

- A. Introduction
- B. Controls and Indicators
- C. Equipment Handling

2. Operation

- A. Introduction
- B. Normal Operation
- C. EHSI Annunciations

3. Alignment and Troubleshooting

- A. Introduction
- B. Alignment
- C. Troubleshooting

4. Summary

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EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Control Compensation Unit	CCU-65	622-6135-001 / 002 / 003 / 004 / 005 / 011 / 012 / 013 /014 / 015
Digital Gyro with Supporting Electronics	DGS-65	622-6136-001 / 002
Magnetic Flux Detector	FDU-70	622-5812-001 / 002 / 003 / 004 / 005 /006
Remote Compensation Panel	RCP-65	622-6174-001