



Aviation Maintenance Curriculum

Fluid Lines and Fittings Course Syllabus

Summary: Upon completion of this course, the student will understand the common materials, applications, preparations, installations and repairs of rigid and flexible fluid lines used in various pressurized fluid systems. Students will learn the proper material and fitting selection as well as preparation methods for fabrication and repair of rigid fluid lines. Learners will also gain an understanding of the various aspects of proper rigid and flexible hose assembly installation.

Course Number: FAA-PART-147-FLF101

FAA Mechanic Airman Certification Standard Reference: Fluid Lines and Fittings (AM.I.D)

Topics Covered:

1. Materials used for rigid and flexible fluid lines
2. Proper fittings for material types and applications
3. Procedures for fabricating rigid and flexible fluid lines
4. Installation and inspection criteria
5. Human factors involved with fabrication, installation, and inspections of fluid lines

Activities:

- A. Inspections for proper installation of lines
- B. Fabrication of rigid fluid lines and fittings
- C. Fabrication of flexible fluid lines and fittings

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