

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 269 Powerplant Curriculum, Subject Item 24-25

Part 147, Appendix D, Part 2, Subject G – Engine Fuel Systems

Subject: Engine Fuel Systems

Item 24. Repair engine fuel system components. (Level 2)

*T – 2.0 Hrs / L – 3.5 Hrs*

Item 25. Inspect, check, service, troubleshoot, and repair engine fuel systems. (Level 3)

*T – 4.0 Hrs / L – 7.5 Hrs*

Classroom time: 6.0 hours

Lab or shop time: 11 hours

Test time: 1.0 hours

Total Time: 18 hours

Teaching Level 2, 3

**Project 1**

Item 24 – 3.5 Hrs

Item 25 – 3.5 Hrs

**Project 2**

Item 25 – 4.0 Hrs

**Theory Test**

0.1Hrs

**Practical Test**

0.9 Hrs

Prerequisite(s)

- (1) All General curriculum subjects (Part 147 Appendix B)
- (2) Powerplant Theory and Maintenance (Part 147 Appendix D, I)

Course Interruptions: All interruptions or changes in course sequence will be in accordance with the Order of Instruction policy, located in Cape Cod Community College's Operations Manual, page 51.

Item 24 & 25:

Student Performance Goal(s)

Given: 14 CFR, Federal Aviation Regulations for Aviation Maintenance Technicians (Current Edition), Aviation Maintenance Technician Handbook – Powerplant, Volume 1 (FAA-H-8083-32) Chapter 2; Piper Colt (PA 22), Piper Colt Service and Parts Manuals, Lycoming Direct Drive Overhaul Manual; Piper Comanche 250 (PA-24), Piper Comanche 250 (PA-24) Service Manual, Piper Comanche 250 (PA-24) Parts Catalog, Lycoming O-540 Engine Service Manual; Cessna 402C, Cessna 402C Service Manual and Parts Manual, Continental TSIO-520 Engine Service Manual; AeroTrain AE-30-320 O-320 Operational Training Aid, AeroTrain AE-30-320 Operation Manual, O-320 Illustrated Parts Manual; AeroTrain AS-11 Fuel System Trainer, AeroTrain AS-11 Fuel System Trainer Operation/Training Manual.

Performance: The student will perform the inspection, checking, servicing, and repair of the assigned engine or training aid's engine fuel system and components. The student will also perform troubleshooting on the Aircraft Fuel System Trainer.

Standard: All actions will be performed as per the manufacturer's information and the student must also pass the Theory and Practical Tests with at least a 70% grade.

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