

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 255 Powerplant Curriculum, Subject Item 8

Part 147, Appendix D, Part 1- Subject C – Engine Inspection

Subject: Engine Inspection

Item 8. Perform powerplant conformity and air worthiness inspections. (Level 3)

*T – 4.75 Hrs / L – 14.0 Hrs*

Classroom time: 2.75 hours

Lab or shop time: 10 hours

Test time: 1.25 hours

Total Time: 14 hours

Teaching Level 3

**Project 1**

Item 8 – 4.0 Hrs

**Theory Test**

0.25 Hrs

**Project 2**

Item 8 – 10.0 Hrs

**Practical Test 1**

1.0 Hrs

Prerequisite(s)

(1) All General curriculum subjects (Part 147 Appendix B)

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 8:

Student Performance Goal(s)

Given: Piper Comanche and Maintenance Manual, Piper Colt and Maintenance Manual, and Cessna 402C and Maintenance Manual (1979-1985); appropriate tooling & supplies; internet access

Performance: The student be assigned one of the Pipers or one engine of the 402C, will perform a Conformity Inspection and a 100-Hour Inspection on the engine, and will complete the appropriate paperwork.

Standard: The inspections will be performed as per FAA requirements and the manufacturer's checklists and the student must pass the Theory and Practical Tests with at least a 70% grade.

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