

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 215 Airframe Curriculum, Subject Item 29

Part 147, Appendix C, Part II, Subject A – Aircraft Landing Gear Systems

Subject: Aircraft Landing Gear Systems

Item 29. Inspect, check, service, and repair landing gear, retraction systems, shock struts, brakes, wheels, tires, and steering systems (Level 3)

T – 26.75 Hrs / L – 48 Hrs

Classroom time: 26.75 hours

Lab or shop time: 48 hours

Test time: 5.25 hours

Total Time: 80 hours

Teaching Level 3

Project 1A, 1B, & 1C

Theory Test 1

Practical Test 2

Item 29 – 12 Hrs

0.25 Hrs

1.5 Hrs

Project 2A & 2B

Theory Test 2

Practical Test 3

Item 29 – 12 Hrs

0.25 Hrs

1.5 Hrs

Project 3A & 3B

Theory Test 3

Item 29 – 12 Hrs

0.25 Hrs

Project 4A & 4B

Practical Test 1

Item 29 – 12 Hrs

1.5 Hrs

Prerequisite(s)

- (1) Satisfactory completion of General Curriculum Module

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 17.

Item 29:

Student Performance Goal(s)

- (1) Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 2 (FAA-H-8083-31) Chapter 13. Cessna 402C Service Manual. Piper Comanche PA 24-250 Maintenance Manual. AeroTrain AS-03 Landing Gear System Trainer. TronAir Hydraulic Cart.

Performance: The student will inspect, check, service, and repair landing gear tires, wheel brake assemblies, retraction systems, doors, shock struts, nose steering system, and shimmy dampener system.

Standard: The landing gear components need not be airworthy, but the service procedures will be followed without deviation and within return-to-service limits. The student will identify and understand the Aircraft Landing Gear Systems lessons and score a passing grade on course quiz and practical test.

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