

Cape Cod Community College AMTS

Practical Project Guide for AMT 231 Airframe Curriculum, Subject Item 53

Part 147, Appendix C, Part 2, Subject 1 - Ice and Rain Control Systems.

Item 53. Inspect, check, service, troubleshoot, and repair airframe ice and rain control systems.  
(Level 2)

## **Project 1A & 1B**

Purpose: To acquaint the student with proper procedures to inspect, check, service, troubleshoot, and repair airframe ice and rain control system.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 2 (FAA-H-8083-31) Chapter 15
- (2) Cessna 402C Maintenance Manual, Chapter 34
- (3) Piper Comanche PA 24-250 Service Manual

Equipment and Tools Needed:

- (1) Cessna 402C
- (2) Piper Comanche PA 24-250
- (3) Snap-On Roll-around Toolbox
- (4) Laversab 6200 Pitot Static Test Kit
- (5) Personal Protection Equipment (PPE)

Supplies and Materials Needed:

- (1) Rags

Procedure:

**Complete following procedure on the assigned projects 1A or 1B**

- (1) Inspect pitot and static system for functionality
- (2) Service pitot and static lines by draining water in the system as necessary
- (3) Troubleshoot pitot and static system, to identify faults present in system
- (4) Remove pitot probe to allow the repair/replacement of faulty heating element
- (5) Reinstall pitot probe and conduct operational check of system

**Project 1A** Item 53. Inspect, check, service, troubleshoot, and repair airframe ice and rain control systems. (Level 2)

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 2 (FAA-H-8083-31) Chapter 15
- (2) Cessna 402C Maintenance Manual, Chapter 34

**Project 1B** Item 53. Inspect, check, service, troubleshoot, and repair airframe ice and rain control systems. (Level 2)

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 2 (FAA-H-8083-31) Chapter 15
- (2) Piper Comanche PA 24-250 Service Manual

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