

Cape Cod Community College AMTS

Practical Project Guide for AMT 123 General Curriculum, Subject Item 33

Part 147, Appendix B, Subject L Mechanic Privileges and Limitations

Item 33. Exercise mechanic privileges within the limitations prescribed by part 65 of this chapter. (Level 3)

**Project 1**

Purpose: Teach student the scope and limitations of the Mechanic certificate.

References:

- (1) FAR Part 65, 43

Equipment and Tools Needed:

- (1) College computer work station
- (2) Access to FAA.GOV
- (3) Access to a technical publications library

Procedure:

**Complete following procedure on project 1**

**Project 1**      Item 33. Exercise mechanic privileges within the limitations prescribed by Part 65 of this chapter. (Level 3)

- (1) Provide answers to the following scenarios using FAR Parts 43 and 65. Justify your answers:

a. Scenario 1:

- i.      You are a mechanic with an Airframe and Powerplant certificated rating, you are tasked by your employer to install a Lycoming O-540-C4B5 engine onto a Piper Comanche PA-24-250 aircraft. Can you do this and sign it off as airworthy?

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b. Scenario 2:

- i. You are a mechanic with an Airframe and Powerplant certificated rating. You are 20 years of age and you wish to increase your certification level to include an Inspection Authorization (IA). Can you become an IA certificated?

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(2) Indicate with a “YES” or “NO” if an Airframe and Power Certificated Mechanic is authorized to **PERFORM** and **APPROVE FOR RETURN-TO-SERVICE** the following:

	<b>PERFORM</b>	<b>APPROVE</b>
1. A major repair on the aircraft powerplant		
2. A major repair on the aircraft airframe		
3. A major repair on the aircraft propeller		
4. A minor repair on the aircraft airframe		
5. A major alteration on the aircraft airframe		
6. A major alteration on the aircraft powerplant		
7. A 100-hour inspection on the aircraft		
8. A minor repair on the aircraft instruments		
9. An annual inspection		
10. A major repair that you have not made at least under supervision		

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