

Name of Assessed Person:

Registration:

UNIT MEAMEC0071: Disassemble Aircraft Piston Engines

1. Determine Requirements	a. The engine assembly and components that comprise a QEC unit. Engine types include all cylinder arrangements and fuel types (aviation gasoline, two-stroke, or diesel)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 1.1 Interpret and match engine defect reports (removal tags) or customer orders by part and serial numbers.
- 1.2 Inspect piston engine in accordance with maintenance publications to establish serviceability state and confirm defects, when required.
- 1.3 Determine and record piston engine build status and quick engine change (QEC) components in accordance with standard enterprise procedures.
- 1.4 Establish modification status and engine operating hours from the engine logbook to assist in determining the repair or overhaul requirements for the engine.
- 1.5 Identify and document the extent of overhaul or repair in accordance with standard enterprise procedures.

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2. Disassemble piston engine	a. The engine assembly and components that comprise a QEC unit. Engine types include all cylinder arrangements and fuel types (aviation gasoline, two-stroke or diesel)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 When required, remove QEC components from the engine, determine maintenance requirements raise necessary documentation, and package with the components.
- 2.2 Label removed QEC components not requiring maintenance and stored for reinstallation.
- 2.3 Install engine in work stand and clean engine.
- 2.4 Disassemble engine in accordance with maintenance publication and/or enterprise procedures while observing all relevant work health and safety (WHS) procedures, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE)
- 2.5 Clean, tag, and inspect removed components for serviceability in accordance with enterprise procedures.
- 2.6 Dispose of components that are not to be reinstalled in accordance with enterprise procedures and initiate action to obtain replacement components.
- 2.7 Process components to be re-fitted for detailed inspection, repair, or overhaul and/or modification, when required.

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Certification of Underpinning Knowledge and Skills to Disassemble Aircraft Piston Engines

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of this unit of competency are being achieved under routine supervision on each type of system and on at least one (1) item of each group listed in the assessment conditions a). This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

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Evidence has been confirmed of the attainment of the following pre-requisite units of competency (as they are related to the attainment of the elements of competency specified in this unit).	
107, 154, 155, 156, 157, 158	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organization.	
OR	
Assessment has been conducted to determine that the underpinning knowledge and skills have been achieved in accordance with the Competency Unit.	

Certification of Unit Completion

I certify that I have reviewed the certification of the elements for this competency unit and that all of the competency unit requirements have been met.

Signed: _____ **Assessor No.** _____ **MTO:** _____ **Date:** _____

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