

Name of Assessed Person:

Registration:

**UNIT MEAMEC0074: Reassemble Aircraft Piston Engines**

<b>1. Prepare to assemble piston engine</b>	a. Crankcase assesmbly	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Cylinder assembly	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. External lubrication system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Propeller governor <i>(may be omitted if not applicable to enterprise)</i>	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 build requirements by part and serial numbers.
- 1.2 Gather correct engine sub-assemblies and components for engine assembly and confirm their serviceability state and modification status in accordance with the relevant maintenance documentation and quality procedures.
- 1.3 Obtain required hardware and plumbing and confirm as approved items.

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**UNIT MEAMEC0074: Reassemble Aircraft Piston Engines**

<b>1. Cont'd</b> <b>Prepare to assemble piston engine</b>	e. Fuel system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Ignition system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Exhaust system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Turbocharger and waste gate <i>(may be omitted if not applicable to enterprise)</i>	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 build requirements by part and serial numbers.
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<b>2. Reassemble piston engine</b>	a. Crankcase assesmbly	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Cylinder assembly	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. External lubrication system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Propeller governor <i>(may be omitted if not applicable to enterprise)</i>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 2.1 Prepare piston engine sub-assemblies and components for reassembly in accordance with maintenance manual and enterprise procedures.
- 2.2 Assemble and adjust components in accordance with the maintenance manual and/or enterprise procedures, and seek required supervisory guidance for complex adjustments.
- 2.3 Assemble engine and adjust components and linkages in accordance with maintenance data requirements while observing relevant work health and safety (WHS) procedures, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE).
- 2.4 Prepare reassembled engine for testing.
- 2.5 Complete required documentation in accordance with standard enterprise procedures.

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**UNIT MEAMEC0074: Reassemble Aircraft Piston Engines**

<b>2. Cont'd</b> <b>Reassemble piston engine</b>	e. Fuel system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Ignition system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Exhaust system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Turbocharger and waste gate <i>(may be omitted if not applicable to enterprise)</i>	No. of Entries	1	2	3
		Tail / Job No.			
LAME Sign.					
Date					
Simulated		Yes No	Yes No	Yes No	

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- 2.4 Prepare reassembled engine for testing.
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**Certification of Underpinning Knowledge and Skills to Reassemble 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) to h). that are applicable to the enterprise. ***(Groups d and h) may be omitted where they are not Applicable to the Enterprise.*** 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).

<b>UNIT MEAMEC0074: Reassemble Aircraft Piston Engines</b>	
Evidence has been confirmed of the attainment of the following pre-requisite units of competency (as they are related to attainment of the elements of competency specified in this unit).	
<b>107, 154, 155, 156, 157, 158</b>	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.	
<b>OR</b>	
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: \_\_\_\_\_  
 Approved by: Technical Training Manager 01/12/2023 R: 3 Page: 5 of 6

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**Registration:**

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