

Name of Assessed Person:

Registration:

UNIT MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit

1. Prepare to assemble piston engine QEC unit	a. Engine and engine mount frame	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Engine lubrication system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Baffles and heat shields	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Fuel system plumping and induction system components	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 QEC build requirements by part and serial numbers.
- 1.2 Gather correct QEC components for 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 MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit

1. Cont'd Prepare to assemble piston engine	e. Exhaust, turbocharger and waste gate system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Control Linkages	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Tachometer generator and wiring	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Vacuum pump, air pump and pneumatic plumbing	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 QEC build requirements by part and serial numbers.
- 1.2 Gather correct QEC components for 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 MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit

1. Cont'd Prepare to assemble piston engine	i. Hydraulic pump <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
	j. Fire warning system <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 QEC build requirements by part and serial numbers.
- 1.2 Gather correct QEC components for 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 MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit

<p>2. Assemble piston engine QEC unit</p>	a. Engine and engine mount frame	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Engine lubrication system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Baffles and heat shields	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Fuel system plumping, linkages and induction system components	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 for QEC assembly in accordance with maintenance manual and/or enterprise procedures.
- 2.2 Assemble QEC components to the engine and adjust in accordance with the maintenance manual and/or enterprise procedures while observing relevant work health and safety (WHS) procedures, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE).
- 2.3 Assemble QEC unit and adjust components and linkages in accordance with maintenance data requirements, and seek required supervisory guidance for complex testing and adjustments.
- 2.4 When required, prepare QEC unit for testing.
- 2.5 Complete required documentation in accordance with standard enterprise procedures.

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UNIT MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit

2. Cont'd Assemble piston engine QEC unit	e. Exhaust, turbocharger and waste gate system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Control Linkages	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Tachometergenerator and wiring	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Vacuum pump, air pump and pneumatic plumbing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

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		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
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		Tail / Job No.			
		LAME Sign.			
		Date			
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Certification of Underpinning Knowledge and Skills to Assemble Aircraft Piston Engine Quick Change Unit

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 j) **of the engine types maintained by the enterprise. (Groups k and j) 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).

UNIT MEAMEC0075: Assemble Aircraft Piston Engine Quick Change Unit	
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).	
107, 154, 155, 156, 157 & 158	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.	
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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