



Australian Government

Assessment Requirements for MEAMEC0074 Reassemble aircraft piston engines

Release: 1

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Modification History

Release 1. Application changed. Performance Criteria changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA395 Reassemble aircraft piston engines.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to reassemble the following piston engine subassemblies on at least one engine type maintained by the enterprise:

- crankcase assembly
- cylinder assemblies
- external lubrication system components
- propeller governor (where applicable to the enterprise)
- fuel system components
- ignition system components
- exhaust system components
- turbocharger and waste gate (where applicable to the enterprise).
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- how to obtain relevant material safety data sheets (MSDSs)
- the use of applicable items of personal protective equipment (PPE) for reassembling aircraft piston engines
- enterprise procedures, including work health and safety (WHS) and quality, for reassembling aircraft piston engines
- aircraft piston engine fault diagnosis techniques
- aircraft piston engine system and component operation
- aircraft piston engine reassembly and component adjustment requirements.
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Assessment Conditions

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in reassembling aircraft piston engines. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:

- workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to reassembling aircraft piston engines
- tools and equipment specified in maintenance documentation.
- general-purpose tools and test equipment found in most routine situations.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>