

1. Title	Aircraft gas turbine engine fuel control units repair and/or overhaul
2. Code	EMAMWS449A
3. Range	The repair and/or overhaul activity is usually carried out in a specialist bay or workshop.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Working principles</p> <ul style="list-style-type: none"> <li>◆ Understand the working principles for the aircraft gas turbine engine fuel control units</li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to review the maintenance documents and procedures to decide on maintenance task,e.g. confirm fault, repair, overhaul, modify.</li> <li>◆ Able to confirm the component identity with documentation.</li> <li>◆ Able to make preparation for the work area and obtain and check the resources in accordance with the procedures,e.g. publications, materials, tools, equipment, safety equipment, environmental conditions established.</li> <li>◆ Able to report and record defects found during troubleshooting in accordance with the procedures.</li> <li>◆ Able to prepare the component for repair and/or overhaul in accordance with the procedures,e.g. clean, inspect, assess economics of carrying out repair or overhaul.</li> </ul>

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|  | <ul style="list-style-type: none"><li>◆ Able to locate defects using troubleshooting techniques appropriate to the defects indications in accordance with the procedures.</li><li>◆ Able to disassemble the component in accordance with the procedures, e.g. clean, label, preserve, segregate.</li><li>◆ Able to report and record the defects found during disassembly in accordance with the procedures, e.g. inspect, use standards, specifications, precision measuring equipment.</li><li>◆ Able to determine and record the next task in accordance with the procedures, e.g. locate defects, repair, overhaul, test, adjust, complete the task.</li><li>◆ Able to determine and record the rectification action in accordance with the procedures.</li><li>◆ Able to procure the spare parts and verify their authenticity and serviceability in accordance with the procedures, e.g. identify, inspect.</li><li>◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust.</li><li>◆ Able to assemble the component in accordance with the procedures.</li><li>◆ Able to perform inspections in accordance with the procedures.</li><li>◆ Able to prepare the component for test in accordance with the procedures.</li></ul> |
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6.3 Professional approach

- ◆ Able to test and adjust the component in accordance with the procedures, e.g. troubleshoot, functionally test, calibrate, adjust, document adjustments and performance.
- ◆ Able to perform inspections after the test in accordance with the procedures.
- ◆ Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements in carrying out the task.
- ◆ Able to complete the task within the stipulated duration.
- ◆ Able to prepare the component for use, storage or transit in accordance with the procedures, e.g. locking, inhibiting, blanking, packing
- ◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment, publications.
- ◆ Able to handle the unused parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.
- ◆ Able to complete the documentation in accordance with the procedures.
- ◆ Able to leave the work area in a state which enables the next task to begin in accordance with the procedures.

7. Assessment Criteria	The integral outcome requirement of this UoC are: <ul style="list-style-type: none"><li>(i) Able to make preparation for the repair and/or overhaul of aircraft reciprocating engine fuel system components.</li><li>(ii) Able locate the defects.</li><li>(iii) Able to repair and/or overhaul the components.</li><li>(iv) Able to test and adjust the components.</li><li>(v) Able to complete all the requirements associated with the task.</li></ul>
8. Remarks	Ref: NZQA - 3417