



Rolls-Royce

# Gem turboshaft Module Exchange

## Course syllabus

**Course** Module Exchange

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**Type** Gem 42

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**General Description** You will need to have practical experience of module exchange/repair activities to benefit. You will also need to be competent in the use of technical data modules and application of standard practices as detailed in the Component Repair/Overhaul Manuals. You will gain knowledge of specific and detailed tasks and experience the practical aspects of engine overhaul.

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**Target Population** Personnel involved with heavy maintenance activities

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**Training level** ATA 104 - level V

(Component Overhaul)

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**Duration** Five (5) day

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**Students per course** Four (4) maximum

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**Pre-requisites** Delegates will need to be engineers or mechanics involved with aircraft maintenance, be experienced in the application of engine standard practices to Aircraft Maintenance Manual level, have completed the ATA 104 - level I General Familiarisation course associated with this type, to benefit.

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**Training methods** Tutor led instruction in training room.

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## Course objectives

### Engine Briefing

*...will be able to:*

Identify and describe the engine modules to be exchanged / Describe safe practice, warnings and cautions associated heavy maintenance on the engine / Explain the process of removal and refit of engine modules and components, as required / Identify when and explain how measurements, fits and tolerances will be carried out

### Engine Maintenance

*...will be able to:*

Remove Refit: Reduction GBX (M01) / Power Turbine Shaft (M02) / Air-Intake and LPC (M03) / Accessory GBX (M04) / HP Spool and Combustion System (M05) / LP Turbine (M06) / Free Power Turbine (M07) / Associated LRU's, pipe work and harnesses as required

### Engine Support

*...will be able to:*

Move the engine and modules safely / Use Ground Support Equipment & Tooling / Use Technical Documentation

### Allocation of hours

Monday to Friday, 09:00 - 16:00

Lunch, 12:00 - 13:00.

Breaks 10:00 to 10:15 and 14:45 to 15:00

### For further information

Please contact your Rolls-Royce Defence Aerospace, Regional Customer Executive