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## Rolls-Royce 250 Series Operation and Maintenance Course

### Course Objective

The course material is presented by traditional classroom lecture. When possible, the use of training aides will be used to further enhance product knowledge and comprehension of the subject being described. The goal of each training class is to build confidence based on knowledge and understanding. The classes are designed to be flexible and can be tailored to satisfy specific needs.

### Course Description

The course covers both engine hardware and systems. Hardware is covered in a progression from modules and major assemblies to individual parts. Details of location, fit, function, method of retention and pertinent maintenance information are covered. When possible, training aides will be used to enhance discussions with a “hands-on” disassembly / assembly of various engine modules.

The course is designed to follow the operation of the gas pass through the engine. During the discussion the course covers an overall broad description of engine construction, operation of the engine, systems and subsystems. The course will also inform the student of the evolution of the engine and the various technical publications that are required to keep the engine in service.

Engine systems familiarization and maintenance procedures are key focal points of the course. The training is built on a foundation that will enable the student to understand:

- Engine Nomenclature and Functions
- Systems Operation • Control Systems
- Operational Procedures
- Gas Turbine Principals and Theory
- Problem Solving Techniques
- Preventive Maintenance
- Adjustments and Calibrations