

## ES3012 RB211 T6 thermocouple conversion

Increased turbine life through more accurate T6 temperature measurement



### Engineered solution purpose

This engineered solution provides a more accurate average measurement of the power turbine entry temperature.

### Applicability

All RB211 gas generators using 8 - T6 thermocouples

### Technical description

The number of T6 thermocouples is increased from 8 to 17

### Benefits

By increasing the accuracy of average T6 temperature measurement, greater temperature control is experienced which in turn has a positive impact on both power and turbine life.

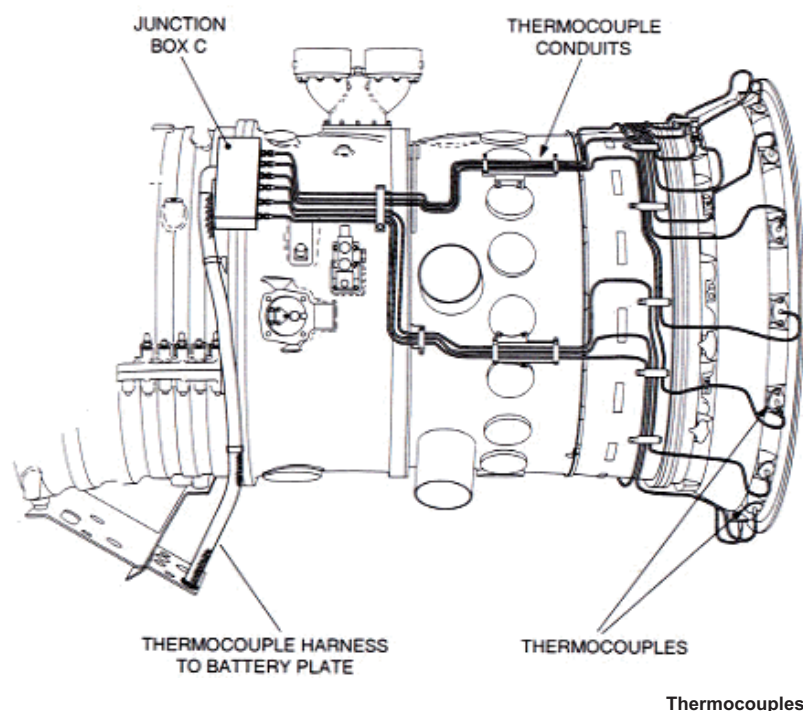
### Experience

Over 180 RB211 gas generators operate with 17 T6 thermocouples, accumulating in excess of 3 million hours experience.

### Scope of work

Installation of the T6 thermocouples and harness

Control system modifications and associated wiring



### Bill of materials

T6 thermocouples (17 off) and harness (Mod 1221)

Modification of control system.

Wiring

### Undertaken

At site

### Bundling opportunities

Controls upgrade [ES3006]

Instrumentation upgrade [ES3007]