

## ES4017 Power turbine exhaust hood access kit

Improve access to power turbine exhaust hood



### Engineered solution purpose

The purpose of this engineered solution is to improve access into the exhaust hood area. For many years access to this area for RT48, RT56 and RT62 power turbines has been limited to a small opening in the transition ducting located above the power turbine exhaust hood.

### Applicability

This engineered solution applies to RT48, RT48S, RT56 and RT62 power turbines.

### Technical description

Easier to access exhaust hood inspection door for RT56 and RT62. Once installed, this access door provides access for personal and reduces or eliminates many of the safety concerns such as the use of safety harnesses and rigging. Power turbines with acoustic enclosures will require modifications to the enclosure to provide access to the exhaust hood and the new access door. These modifications are handled on a case by case basis with the enclosure manufacturer.



### Benefits

- Allows easier access for power turbine inspections
- Reduces inspection time
- Improves safety
- Reduces requirements for safety harnesses and rigging
- Allows easy access to the hood interior in the unlikely event of an accident during the inspection process.

### Experience

The projects listed below are not an all-inclusive list, but are representative of projects where this upgrade has been applied:

- TCPL - 6
- PG&E - 4

## Fact sheet

### Scope of work

The operator must decide the best location for the door to suit their application. An opening is cut into the existing exhaust hood to accept the new door frame, which is then welded into place. Once the door frame is installed the door is then bolted into position.

### Bill of material

Door, handles and insulation

Door frame

Fastening hardware

### Undertaken

At site

### Bundling opportunities (as applicable)

RT62 boroscope ports [ES4012]

RT62 exhaust diffuser support upgrade [ES4009]

RT62 exhaust diffuser improvement [ES4011]

RT62 inner inlet and outer inlet diffuser upgrade [ES4010]

Power turbine overspeed governor upgrade [ES4016]

RT48 thermocouple harness improvement [ES4002]

RT48 Exhaust hood upgrade [ES4004]



**Rolls-Royce**

While this information is given in good faith based on the latest information available to Rolls-Royce plc, no warranty or representation is given concerning such information, which may be taken as establishing any contractual or other commitment binding upon Rolls-Royce plc or any of its subsidiary or associated companies.

[www.rolls-royce.com](http://www.rolls-royce.com)  
[www.energymanager-online.com](http://www.energymanager-online.com)

ES161-10/03  
Copyright © 2004 Rolls-Royce plc  
Produced by Customer Information Centre