

ES3008 RB211 hydraulic starter conversion

Eliminate gas venting into the atmosphere during engine start sequences



Engineered solution purpose

This engineered solution eliminates the possibility of gas venting into the atmosphere by replacing the existing gas starter with a hydraulic gas starter. This conversion also increases the operational reliability of the starter system.

Applicability

All RB211 gas generators using gas starters.

Technical description

Mounted on an independent hydraulic starter skid, an electric motor driven pump assembly supplies hydraulic fluid to the replacement hydraulic starter. Redundant pump assemblies rated at 3 x 50% power can be supplied as an option.

A site survey is required to determine interconnect and package modification requirements.

Benefits

Local environmental objectives can be satisfied by the elimination of undesirable gas venting into atmosphere during starting sequence. Starter reliability is also



Hydraulic starter

Experience

There are over 130 RB211 gas generators in service operating with hydraulic starter systems.

Scope of work

Remove and discard the gas starter motor and associated parts
 Modify piping and electrical interfaces
 Modify control system
 Supply separately mounted hydraulic start pack (installation by third party)
 Install hydraulic starter motor and associated parts

Bill of materials

Piping and wiring
 Control system modification
 Independently located hydraulic start pack
 Starter motor and associated parts.

Undertaken

At site

Bundling opportunities

Controls upgrade [ES6006]
 Instrumentation upgrade [ES6007]