

## CASE STUDY

## GE CF34 Electrical Harness Repair



**Accessories and Components (A&C) provides a comprehensive solution for CF34 harnesses including connector, wire and protective braiding repair, avoiding the need for high cost replacement parts**

Engine Model	IAW CMM Repair Manual		IAW DER or Process Specification
	Clean Test and Inspect	Minor Repair	Major Repair (braiding, connector and/or wire repair)
GE CF34-8C	•	•	•
GE CF34-8C1	•	•	•
GE CF34-8D	•	•	•
GE CF34-8E	•	•	•
GE CF34-10A	•	•	•
GE CF34-10E	•	•	•

### GE CF34 Overview

The GE CF34 engine first entered service in 1995 and now dominates power plants for the regional jet market. A derivative of the combat-proven TF34 powering the US Air Force A-10 and US Navy S-3A, the CF34 has evolved into a durable commercial engine, delivering both high performance and reliability.

### Harness Degradation

Harness assemblies on the CF34 are robust units providing many years of reliable service, however they are subject to hostile environments including, wind turbulence, temperature variation, vibration, contamination and handling damage.

### Repair Solution

Fault finding unserviceable CF34 harnesses is very time consuming and premature failure could result in the need to purchase high cost replacement parts. A&C offers an alternative solution to operators by providing a comprehensive repair service including:

- + Replacement electrical connectors
- + Full testing and certification
- + Rewiring of damaged harnesses
- + Exchange harness service
- + Replacement of protective braiding

### Repair Development Service

A&C Duncan, South Carolina supports the global aviation industry with repair services is backed by OEM and regulatory approval. Our experienced engineers are capable of fault diagnosis and full repair development, including reverse engineering and DER repairs.



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240 Parkway East  
Suite 100 Duncan, SC,  
United States  
29334  
Tel +(1) 864 249 2000  
accessories@ethosenergygroup.com

**EthosEnergy Profile**

EthosEnergy, is a leading independent service provider of rotating equipment services and solutions to the power, oil & gas and industrial markets. Globally, these services include power plant engineering, procurement and construction; facility operations & maintenance; design, manufacture and application of engineered components, upgrades and re-rates; repair, overhaul and optimization of gas and steam turbines, generators, pumps, compressors and other high-speed rotating equipment.

**SAFETY****SERVICE EXCELLENCE****PEOPLE****FINANCIAL RESPONSIBILITY****INTEGRITY****EthosEnergy (US Corporate Office)**

Brookhollow Central I, 2800 North Loop West  
Houston, TX 77092

**EthosEnergy (UK Corporate Office)**

Ethos House, Craigshaw Business Park, Craigshaw Road  
Aberdeen, AB12 3QH

accessories@ethosenergygroup.com

[www.ethosenergygroup.com/accessories](http://www.ethosenergygroup.com/accessories)