

CFM56-5A & 5B THRUST REVERSER MANDATORY INSPECTIONS (ALI /CPCP) ON-WING SOLUTION DURING C CHECK

The MRO Lab
Adaptive Innovations



AFI KLM E&M has developed an on-wing solution for mandatory (ALI/CPCP) inspections of CFM56-5A & 5B thrust reversers. The work can be carried out during a scheduled maintenance check (C Check).

The issue

The original procedure was considered too risky and too long (TAT for one thrust reverser shop inspection is 35 days). To avoid damage and to reduce TAT, the Aerostructures teams developed an on-wing solution feasible during a C Check, which will replace the original procedure.

The adaptive solution developed by AFI KLM E&M

AFI KLM E&M developed an alternative on-wing solution that can be carried out on four thrust reverser halves of one aircraft in just five days, during a C-check. This alternative solution is approved by the OEMs.

The inspection process comprises the following steps:

- Parts removal and surface preparation
- Visual inspection and “HFEC” (High Frequency Eddy Current)
- Application of Corrosion Preventive Compound
- Reassembly

With this on-wing solution, the thrust reverser does not need to be painted after the inspection. During this operation, AFI KLM E&M can carry out minor repairs such as seal replacements and “Structural Repair Manual” repairs. Should a major problem be discovered, AFI KLM E&M has a spare thrust reverser solution for lease or exchange.



Key benefits

- Repair can be carried out during an aircraft C Check
- Repair solution costs 60% less than routine FTR overhaul inspection
- Drastic reduction in TAT
- Eco-friendly procedure
- No need for spare



AFI KLM E&M - Adaptiveness® - March 2015 - Design: LOVE IT - Photos: Guillaume Grandin

The MRO Lab
Adaptive Innovations

“Cut FTR inspection cost by 60%”

This solution was developed by **AFI KLM E&M Aerostructures Department within the Aircraft Business Unit**. For further information please contact your Sales Manager.



afiklmem.com

 [@afiklmem](https://twitter.com/afiklmem)



ADAPTIVENESS®