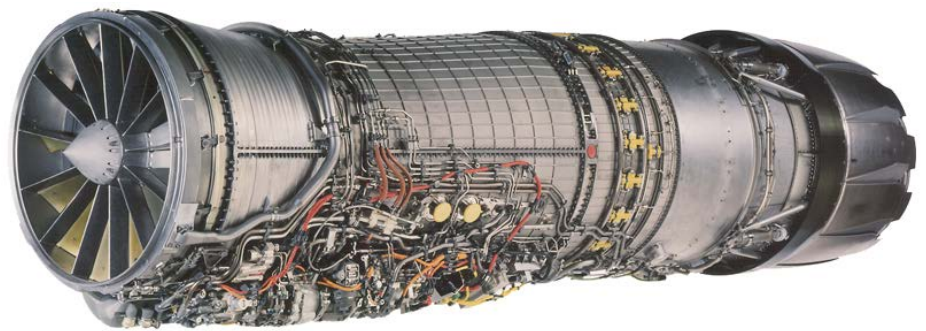




# F110

## Service Life Extension Program (SLEP)



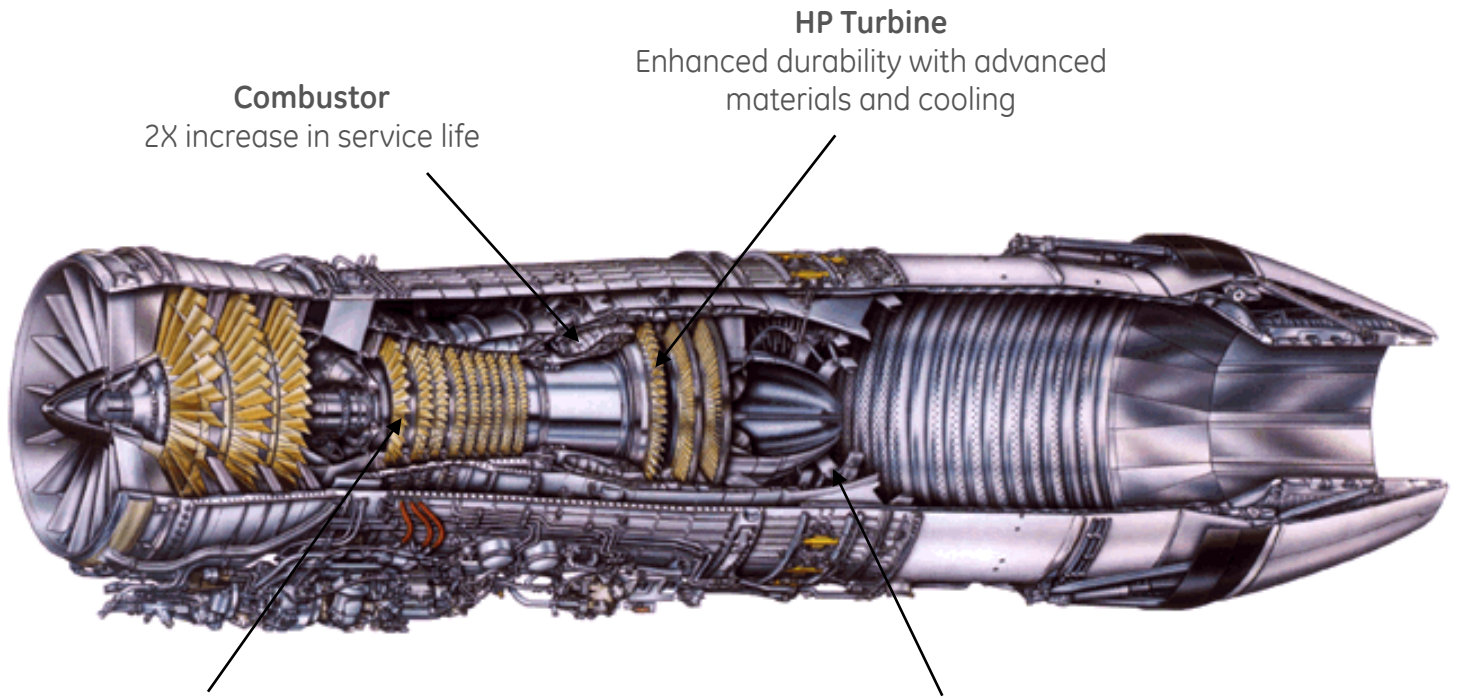
The **F110 Service Life Extension Program (SLEP)** extends reliable F110 engine power and provides substantial savings and weapon system readiness for air forces worldwide.

With proven key technology insertions from GE's commercial engine programs, SLEP upgrades critical components, including the combustor, high pressure turbine, compressor and augmentor. These enhancements combine to extend the service life of the engine, reduce operating cost, increase reliability and improve safety. The program is designed to provide a significant time-on-wing increase, 25% improvement in cost per flight hour, and a 50% extension in engine phase inspections.

To reflect the substantial impact of the SLEP initiative, the United States Air Force has elected to introduce F110-GE-100C and F110-GE-129B, C, D and E as new model designations. Bahrain, Egypt, Israel, Japan, Korea and Turkey have chosen to incorporate the SLEP options into their fleets.

Renowned for its superior single-engine safety record, F110 engines currently power approximately 70% of latest-generation Lockheed Martin F-16C/D aircraft and have been selected for use on the Boeing F-15K, F-15SG, F-15S and F-15SA.

# F110 Service Life Extension Program (SLEP)



**Combustor**  
2X increase in service life

**HP Turbine**  
Enhanced durability with advanced materials and cooling

**Compressor**

- Increased efficiency
- CFM56-7 3-D Aero technology
- Increased rotor and structure life

**Augmentor**

- Increased durability
- Enhanced on-wing maintainability
- Reduced maintenance

