

## TFE 731-2 Tips for Pilots

This medium bypass ratio, two-spool turbofan engine incorporates the following:

A single-stage gear driven fan

Four stage low pressure axial compressor

Single stage high pressure centrifugal compressor

Reverse flow annular combustor

Single stage high pressure axial turbine

Three stage low pressure axial turbine

SPOOL SPEEDS:           CCW FAN 11,502 RPM  
                                  CW N1 12,688 (100%) RPM  
                                  CW N2 29,692 (100%) RPM

### **ABORT START IF ANY OF THE FOLLOWING OCCUR**

Any unusual noise or vibration
Engine does not reach idle within 50 seconds after ITT rise
ITT rapidly approaches maximum start limit (shutdown 50 degrees before maximum ITT redline to prevent temperature overshoot)
N1 or N2 stop accelerating to idle
N2 Fails to reach 10% in 6 seconds
N2 Fails to rotate
No ITT indication 10 seconds after power lever is advanced to idle
No N1 rotation
No Oil pressure within 10 seconds after ITT rise
No Starter or Ignition disengagement by 50% N2