

Aero Commander 680 F(L)P Normal Procedures

BEFORE ENGINE START

Conduct Passenger Briefing:

- Smoking
- Use of Seat Belts
- Location & Operation of ALL EXITS
- Location & use of flotation devices & ditching procedure, pyrotechnic location
- Location & use of fire extinguisher
- Location & use of Passenger Briefing cards

Check: Controls; gust locks removed;

- free & correct movement

Master switch ON

Generator switches OFF

Rotating beacon ON

Left engine Fuel Shut-off: Listen & select:

CENTER, OUTBOARD and RETURN TO CENTER

Right engine Fuel Shut-off: Listen & select:

CENTER, OUTBOARD and RETURN TO CENTER

Check: Avionics Masters & Invertor OFF

Check: Aux Hydraulic pump operates

Check: Hydraulic pressure 500+ psi

Check: Brakes; feel normal pedal pressure, and Hold Brakes ON

Prime engine and START, idle at 1200 rpm

Generator switch ON

Check: Oil pressure, Hydraulic press. to 1000 psi, Vacuum LOW light out, Vacuum pressure, Ammeter/Volt meter for generator out-put.

START second engine: Same Checks as above.

Avionics Master ON

(Xponder STBY, other avionics ON)

RUN UP

Flight Instruments set

Avionics set-up for departure

Check: Trims set for take-off, Flaps 1/4

Engine cylinder head, oil temps & pressure "green":

Each engine:

2200 rpm: Mag. check

Alternate air check

Prop. governor check (every 10 hrs.)

1500 rpm: Propeller feather check

PRIOR to TAKING the ACTIVE RUNWAY

Landing Lights ON

Boost Pumps ON

Pitot Heat ON (if visible moisture present @ < 5°C)

Transponder ON / Altitude mode

Un-Safety Landing Gear Handle

ON RUNWAY CENTERLINE;

Check Directional gyro & Heading Bug

Check Mixtures & Prop controls full forward

TAKE OFF & CLIMB

Full power, check engine gauges

Rotate >83 kts

Retract landing gear

Retract flaps, Return FLAP HANDLE to Neutral

Aux. Hydraulic Pump circuit breaker, PULL

Set Max. continuous power & Vy of 109 Kts.

Boost pumps OFF

Set Climb power of 40" / 3000 rpm;

Climb Vy 115 Kts or Cruise climb Vy +

Adjust Cowl Flaps to maintain Cyl. temps in green

Monitor Pressurization / Δp / Rate of Cabin Climb.

PRIOR TO TAXI

Verify cowl flaps open

Flaps set for TAKE OFF: 1/4

Set Pressurization / Air Condition Mode

Check: Brakes

During taxi check gyro instruments for operation

CRUISE

Close Cowl Flaps

Set Cruise Power & Fuel Flow

Monitor Cylinder Temps.