

## **Preflight Check List Challenger I**

Electric Start with electric fuel pump

### **EXTERNAL**

- Pitot tubes
- Check Nose and Wheel for Security
- Check Leading edge and wing
- Check All control connections
- Check Ailerons and hinges
- Check Main gear and wires and Fixtures
- Check Fuse for condition
- Check Engine mount bolts
- Check All fuel lines and connections
- Check Carbs, boots, air filter for security
- Check Spark plug wires
- Check All other wiring
- Check Belt and Prop (condition and security)
- Check Rudder and elevator
- Check Strobe (Secure)
- Check Muffler and springs
- Check Door hinges and Pins
- Check Fuel quantity
- Check Travel on controls

### **PRE START**

- Doors - Secured
- Seat Belts and Harnesses- Fastened
- ATIS-Clearance- Received
- Altimeter -Set (field elevation or local altimeter setting)
- Radio-Set for Departure
- Check Fuel Valve – ON
- Aux Fuel Transfer- OFF

### **STARTING ENGINE**

- Master Switch – ON
  - Stand by Fuel Pump- ON momentary to prime
  - Throttle- Closed **Choke engaged**
  - Prop- Cleared
  - Starter – Engage **Choke disengaged**
- (Note:when engine stabilized, monitor EGT's and CHT's)

### **AFTER START/BEFORE TAXI**

- Radio Master – ON
- Com Radio- SET
- GPS-SET
- CHT to 200 deg. before taxi

### **BEFORE TAKEOFF**

- Magnetos – Checked (3000-4000 rpm/ 100 rpm drop)
- CHT's – Checked ( Min 200 deg. for T/O)
- Carb Heater- ON (If Installed) **Standby fuel pump ON**
- Traffic-Checked - Announce
- Controls – Check free and proper movement

### **CRUISE**

- Throttle - SET ( 5200-5800 rpm) - **Standby pump OFF**
- EGT's, CHT's – Monitor ( DO NOT EXCEED LIMITS)

### **PRE LANDING**

- ATIS/Weather – Received
- Fuel- set for landing - **Standby fuel pump ON**
- Carb Heater- Check ON (If Installed)

### **AFTER LANDING**

- Clear runway when slowed

### **SHUT DOWN**

- Magneto's – OFF
- Radio/GPS – OFF
- Radio Master – OFF
- Master Switch – OFF
- Aircraft – SECURED
- FLIGHT PLAN- CANCELLED