

Preflight Check List Challenger I

Pull 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
 - Pull Start – 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