

IFR CHECKLIST PA28-180

START:

Check Hobbs & Book
Belts/Harness ON
Brakes ON
Fuel on Lower Tank
Key in Ignition
Switches & **AVIONICS MAIN OFF**
Master Switch – ON
Fuel Pump – ON (Ck Pressure)
Anti-collision Lights – ON
Carb Heat – OFF
Mixture – RICH
Throttle Cracked (1/8" – 1/4")
Prime & Lock
CLEAR Area & Start
Throttle 1000 rpm

WARM UP:

Fuel Pump OFF
Oil / Fuel Pressure Check
Lights/Strobes ON
Clock Wind/Set
Alt Static Source ON/OFF
Avionics Main – ON
GTN650 CHECK: database & selftest
Ammeter – Ck with load
Circuit Breakers check
SWITCH TANKS
Nav Ground Check
(VOR/ADF/DME/MB)
Copy ATIS
Altimeter and HI Set/Check
Radio Call → Brief Taxi Route
Taxi-Brakes Check/Instruments

RUN-UP:

Brakes ON
Check Oil Temp
Mix RICH
RUN-UP to 2000 rpm
Check Magnetos (175/50)
Check Carb Heat ON/OFF
Check vacuum (5" ± 0.1)
Check Engine Gauges
Throttle Idle
Standby Vacuum Check
Throttle 1000 rpm

TAKE-OFF:

Copy Clearance
Transp/Comm/Navs SET
Controls Full Move
Flaps Op/Set
Electric Trim OFF
Trim Set
AI, HI Set

Fuel on Proper Tank
Fuel Pump – ON
Mixture RICH
Carb Heat OFF
Primer IN & Locked

Belts/Harnesses ON
Secure Door and Window

TAKE-OFF BRIEFING

Clearance for Takeoff:

Landing Light ON, Transp Ck,
Time noted
HI to Rwy, Wind & Power Ck,
Oil & Fuel pressure, AS

Speeds (mph): Vr: 60 Vso: 61
Vs: 68 Vx: 74 Vy: 85
Va: 127 max / 120 med / 110 lgt
Best Glide: 80 Cruise Climb: 100

CRUISE:

Fuel Pump OFF and TRIM
Lean ≤ 75% HP
BP: 125 ROP
BE: Peak or +50 Rich
Gauges Check
TAS Check
Fuel Management

DESCENT:

Fuel Tank Selection
Fuel Pump ON
Mixture Adjust

APPROACH & LANDING:

ATIS
Altimeter SET
HI Set to Mag Compass
Freq – Appr, CTAF
Navs-VOR, ADF, DME, MB,
Audio Panel
Altitude – FAF, DH-MDA
Missed Appr TIME
Missed Appr PROC
Approach Speed (85 IAS)
GUMPSS
Radio Call

G – Gas on Fullest Tank
U – Undercarriage Down
M – Mixture Rich
P – Pull Carb Heat ON/OFF;
Primer LOCKED
S – Switches Landing
Light/Fuel Pump ON
S – Seat Belts / Back

AFTER LANDING:

Flaps up
Fuel Pump OFF
Landing Light OFF
Strobes – OFF

SHUTDOWN:

Brakes ON and SET
All Switches OFF
Avionics Main OFF
Throttle IDLE → Hot Mag Chk
Throttle to 1000 rpm
Mixture IDLE/CUTOFF
Magnetos – OFF
Master – OFF
Beacon – OFF
Parking Brakes – As Needed

Hobbs Time
Controls Secure
Door/Window Locked
Tiedown or Chocks ON

CLOSE FLIGHT PLAN

75% HP

DA	STC	RPM	TAS
SL	15	2400	123
1K	13	2430	125
2K	11	2460	127
3K	9	2490	129
4K	7	2530	131
5K	5	2550	133
6K	3	2580	135
7K	1	2520	137
8K	-1	2650	139

