

# IFR CHECKLIST PA28-180

## START

Check Hobbs and Book  
Belts/Harnesses ON  
Brakes ON  
Key in Ignition  
All Switches OFF  
Rotating Beacon ON  
Fuel on Lower Tank  
Carb Heat OFF  
Master Switch ON  
Throttle Cracked  
Fuel Pump ON/ Check Pressure  
Mixture Rich  
Prime and Lock  
Clear Area/Start  
Throttle 1200 RPM

## WARM UP

Fuel Pump OFF  
Oil/Fuel Pressure Check  
Lights ON (Night)  
Clock Wind/Set  
Alt Static Source ON/OFF  
Radios ON (Radio Master ON)  
Transponder 1200 SB  
Ammeter OFF/ON Check Load  
(Landing light or Pitot Heat)  
Circuit Breakers Check  
Fuel On Fullest Tank  
Nav Ground Check  
VOR/ADF/DME/MB/Aud Panel  
Copy ATIS  
Altimeter and HI Set/Check  
Radio Call  
Taxi-Brakes Check/Instruments

## RUN-UP

Brakes ON  
Check Oil Temp  
Throttle 2000 RPM  
Mags Check 175/50  
Mags On BOTH  
Carb Heat Check Ice/OFF  
Vacuum Check 4.9-5.1  
Engine Gauges Check  
Throttle IDLE  
Stand-by Vacuum Check  
Throttle 1200 RPM

## TAKEOFF

Copy Clearance  
Transp/Comm/Navs Set  
Controls Full Move  
Flaps Check Op/Set  
Electric Trim OFF  
Trim Set  
AI, HI Set  
Fuel Pump ON  
Fuel On Proper Tank  
Mixture RICH  
Carb Heat OFF  
Primer IN and Locked  
Landing Light ON  
Strobes ON  
Belts/Harnesses ON  
Door/Window Locked  
Takeoff Briefing  
Radio Call

## RUNWAY

Time/Transponder/HI to RW  
Wind Power Check

## CRUISE

Fuel Pump OFF/Check  
Landing Light OFF  
Lean  $\leq$  75% HP  
BP: + 125 Rich of Peak  
BE: Peak or +50 Rich  
Gauges Check  
TAS Check  
Fuel Management

## DESCENT

Fuel Tank Selection  
(Fuel Pump ON)  
Mixture Adjust

## APPROACH

ATIS  
Altimeter Set  
HI Set to Mag Compass  
Freq-Appr, CTAF  
Navs-VOR, ADF, DME,  
MB, Audio Panel  
Altitude-FAF  
DH-MDA  
Missed Approach TIME  
Missed Approach PROC  
Approach Speed  
GUMPS  
Radio Call

## 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

## LANDING

G - Fuel Pump ON  
Fuel on Proper Tank  
U - Undercarriage Down  
M - Mixture Rich  
P - Pull Carb Heat ON/OFF  
Primer Locked  
S - Landing Light ON  
S - Seat Belts/Back

## AFTER LANDING

Flaps UP  
Fuel Pump OFF/Check  
Landing Light OFF  
Strobes OFF  
Transponder 1200 Standby

## SECURING

Throttle IDLE  
All Switches OFF  
Magneto Ground Check  
Throttle 1000 RPM  
Mixture IDLE/CUTOFF  
Magnetos OFF  
Rotating Beacon OFF  
Master Switch OFF  
Brakes As Needed  
Hobbs Time  
Controls Secure  
Door/Window Locked  
Tiedown or Chocks ON  
CLOSE FLIGHT PLAN

## SPEEDS (MPH)

<u>SPEEDS (MPH)</u>		<u>FUEL</u>
$V_r$ ...60	$V_s$ ...68	10.5 GPH
$V_x$ ...74	$V_{so}$ ...61	24 Gal
$V_y$ ...85		18 (Tabs)
$V_a$ ...129		
Best Glide...81		
Appr F/D...76		