

# N6297J CKLST PA28-181

Version 12-29-2022

## START:

Passenger Briefing  
Belts/Harness ON  
Brakes ON & SET  
Switches & **AVIONICS MAIN OFF**  
Fuel on Lower Tank  
Key in Ignition  
Master Switch & Stratus2 – ON  
Fuel Pump – ON (Ck Pressure)  
Anti-collision Lights – ON  
Carb Heat – OFF  
Mixture – RICH  
Throttle Cracked ( $\frac{1}{8}$ " –  $\frac{1}{4}$ "")  
Prime & Lock  
CLEAR Area & Start  
Throttle 1000 rpm

## WARM UP:

Check pressures: Oil, Electric w/  
load, Fuel w/ pump OFF  
Lights/Strobes ON  
Confirm Clock Set  
LEAN  
Avionics Main – ON  
JPI - check fuel amt  
**430W CHECK:** database &  
selftest  
Check VOR current  
Circuit Breakers check  
Copy ATIS  
Altimeter and HSI Set/Check

## SWITCH TANKS

Radio Call → Brief Taxi Route  
Taxi-Brakes Check/Instruments

## RUN-UP:

Brakes ON  
Check Oil Temp in Green  
Mix RICH  
**RUN-UP** to 2000 rpm  
Check Magnetos (175/50)  
Check Carb Heat ON/OFF  
Check Engine Gauges  
Throttle Idle  
Throttle 1000 rpm

## TAKE-OFF:

Check Flight Instr & CB  
Check Annunciators  
Transp/Comm/Navs SET  
AutoPilot – TEST & OFF  
Bug HDG & ALT  
Controls Free & Correct  
Check Flaps: 10°, 25°, 40°  
Trim 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, Transpr Ck,  
Time & Final noted  
HSI to Rwy, Wind & Power Ck,  
Oil & Fuel pressure, AS

**Speeds (mph):** Vr: 70-75 Vso: 61  
Vs: 68 Vx: 74 Vy: 87  
Va: 124 max / 118 med / 109 lgt  
**Best Glide:** 87 **Cruise Climb:** 100

## CRUISE: "Lightening Check"

Fuel Pump OFF and TRIM  
Gauges & HSI Check  
Fuel Management  
Lean above 3K' ≤ 75% HP  
BP: 125 ROP  
BE: Peak or +50 Rich

## DESCENT:

Fuel Tank Selection  
Fuel Pump ON  
Mixture Adjust

## APPROACH & LANDING:

ATIS  
Altimeter & HSI SET  
Freq – Appr, CTAF  
Navs SET - VOR, GPS  
Brief Approach  
MAP Location & Time  
Altitude – FAF, DH-MDA  
Missed Appr PROC  
Approach Speed (90 mph)  
GUMPSS  
Radio Call

### **Approach Speed:**

86 mph w/no flaps  
76 mph w/ full flaps

G – Gas on Fullest Tank  
U – Undercarriage Down  
M – Mixture Rich  
P – Primer LOCKED; Check  
for Carb Ice (ON/OFF)  
S – Switches: Landing Light/  
RCOG light/ Fuel Pump  
ON  
S – Seat Belts & Back SET

## AFTER LANDING:

Flaps up  
Fuel Pump OFF  
Landing Light/Strobes OFF  
LEAN for taxi

## SHUTDOWN:

Brakes ON and SET  
Confirm Switches OFF  
**Avionics Main & Stratus OFF**  
Throttle IDLE → Hot Mag Chk  
Throttle to 1000 rpm  
Mixture IDLE/CUTOFF  
*Once Prop Stops:*  
Magnetos – OFF  
Master – OFF  
Beacon – OFF  
Parking Brakes – As Needed

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

## **CLOSE FLIGHT PLAN**

| <u>75% HP</u> |     |      |     |
|---------------|-----|------|-----|
| DA            | STC | RPM  | TAS |
| SL            | 15  | 2440 | 127 |
| 1K            | 13  | 2460 | 129 |
| 2K            | 11  | 2490 | 131 |
| 3K            | 9   | 2510 | 132 |
| 4K            | 7   | 2540 | 133 |
| 5K            | 5   | 2560 | 135 |
| 6K            | 3   | 2580 | 137 |
| 7K            | 1   | 2600 | 138 |
| 8K            | -1  | 2640 | 140 |

