

NORMAL CHECKLIST ARROW - PA-28R

PRE-FLIGHT

- 1 Magnetos OFF
- 2 Mixture IDLE CUT-OFF
- 3 Circuit Breakers CK
- 4 Radios / Electrical Equipment OFF
- 5 Alternate Static Air OFF
- 6 Gear Selector DOWN
- 7 Master Switch ON
- 8 Fuel Gauges CK
- 9 Lights / Pitot Heat CK
- 10 Flaps DOWN
- 11 Master Switch OFF
- 12 Controls FREE
- 13 Brakes SET
- 14 COMPLETE EXTERIOR CHECK

BEFORE STARTING

- 1 Passenger Briefing COMPLETE
- 2 Master Switch ON
- 3 ATIS / Departure Clearance RECEIVED
- 4 Radios / Electrical Equipment OFF
- 5 Fuel Selector LOW TANK
- 6 Alternate Air CLOSE
- 7 Prop HIGH RPM
- 8 Throttle OPEN 1/2 INCH
- 9 Fuel Pump ON
- 10 Mixture PRIME / IDLE CUT-OFF
- 11 Fuel Pump OFF
- 12 Brakes HOLD
- 13 Prop Area CLEAR
- 14 Magnetos ON / START
- 15 Mixture SLOWLY TO RICH
- 16 Oil Pressure CK

AFTER STARTING

- 1 Flaps UP
- 2 FL BCN / Nav Lights AS REQD
- 3 Comm / Nav Radios ON / CK
- 4 Transponder ON
- 5 Altimeter SET
- 6 Heading Indicator SET
- 7 Pitot Heat AS REQD
- 8 Auto Pilot / Electric Trim System CK

TAXI

- 1 Brakes CK
- 2 Flight Instruments OPERATING

RUN-UP

- 1 Brakes HOLD
- 2 Fuel Selector FULL TANK
- 3 Mixture RICH
- 4 Throttle 2000 RPM
 - a. Engine Inst CK
 - b. Ammeter LOAD / CK
 - c. Vacuum 4.6 - 5.4" Hg
 - * d. Magnetos R/BOTH - L/BOTH
 - e. Prop CYCLE
 - f. Alternate Air CHECK / CLOSE
- 5 Throttle 1000 RPM

* Max drop 175 RPM each
Max difference 50 RPM

BEFORE TAKE-OFF

- 1 Controls FREE / CORRECT
- 2 Trim TAKE-OFF
- 3 Flaps AS REQD
- 4 Auto Pilot CK / OFF
- 5 Flight Instruments CK
- 6 Engine Instruments CK
- 7 Circuit Breakers CK
- 8 Fuel Pump ON
- 9 Fuel Selector CONFIRM FULL TANK
- 10 Friction Lock ADJUST
- 11 Mixture RICH
- 12 Seats LOCKED
- 13 Seat Belts SECURE
- 14 Door LATCHED
- 15 Altimeter SET
- 16 Departure Clearance RECEIVED
- 17 Comm / Nav Radios SET

HOLD BARS / HOLD SHORT

- 19 Strobe Lights ON
- 20 Transponder ALT
- 21 Compass & H/I RUNWAY HEADING
- 22 Time Off NOTE

TAKE-OFF CHECKLIST COMPLETE

AFTER TAKE-OFF (SAFE ALTITUDE)

- 1 Gear Selector UP
- 2 Flaps UP
- 3 Engine Instruments / Ammeter CK
- 4 Vacuum 4.6 - 5.4" Hg

CRUISE

- 1 Flight Instruments CK
- 2 Engine Instruments CK
- 3 Fuel Pump OFF
- 4 Fuel Pressure CK
- 5 Cruise Power POWER CHART
- 6 Mixture LEAN
- 7 Ammeter CK
- 8 Vacuum 4.6 - 5.4" Hg
- 9 Fuel Selector AS REQD

DESCENT

- 1 Altimeter SET
- 2 Mixture AS REQD

IN RANGE

- 1 Approach/Missed Approach REVIEW
- 2 App Nav/Mkr Bcn Audio ON
- 3 Flight Instruments CK
- 4 Engine Instruments / Ammeter CK
- 5 Vacuum 4.4 - 5.4" Hg
- 6 Fuel Pump ON
- 7 Mixture RICH
- 8 Fuel Selector FULL TANK
- 9 Brakes CK

BEFORE LANDING

- 1 Auto Pilot AS REQD
- 2 No Nav Flags CK
- 3 Gear DOWN
- 4 Prop HIGH RPM
- 5 Flaps AS REQD

LANDING CHECKLIST COMPLETE

AFTER LANDING

- 1 Flaps UP
- 2 Fuel Pump OFF
- 3 Pitot Heat OFF
- 4 Strobe Lights OFF
- 5 Transponder ON

SHUTDOWN

- 1 Brakes SET
- 2 Trim TAKE-OFF
- 3 Radios OFF
- 4 All Electrical Equipment OFF
- 5 Mixture IDLE CUT-OFF
- 6 Magnetos OFF
- 7 Master Switch OFF
- 8 Map / Panel / Overhead Lights OFF
- 9 Controls SECURE
- 10 Tiedowns / Chocks SECURE
- 11 Brakes RELEASE
- 12 Door LOCK
- 13 Flight Plan CLOSE

NORMAL OPERATING SPEEDS

Cherokee Arrow	MPH
Vso Stall Dirty	64
Vs Stall Clean	70
Vr Rotate	65
Vx Best Angle	80
Vy Best Rate	95
Cruise Climb	110
Vfe Flap Extended	125
Vlo Gear Operating	Retract 125 Extend 150
Vle Gear Extended	150
Normal Approach	90
Va Maneuvering	134
Best Glide	105
Demonstrated Crosswind Component	17 KTS
Minimum Octane Fuel	100