



CHEROKEE PA-28-140 CHECKLIST

Revised March 2021

V SPEEDS (MPH)

Vso	54	VA	2150	128
Vs1	64		1950	122
VR	60	VNO		140
VX	74	VNE		171
VY	85	VFE		115
VG	83			

AIRCRAFT ACCEPTANCE

1. MAINTENANCE STATUSCHECK
2. HOBBS/TACH TIMES CHECK

PREFLIGHT INSPECTION CABIN

1. A.R.O.W DOCUMENTS..... CHECK
2. CONTROL WHEEL..... FREE & CORRECT
3. CIRCUIT BREAKERS CHECK
4. IGNITION SWITCH..... OFF
5. RADIO/AVIONICS OFF
6. CARBURETOR HEAT COLD
7. BATTERY/MASTER SWITCH ON
8. FUEL QTY/SELECT DESIRED TANK..... CHECK
9. LIGHTS/PITOT HEAT..... ON/CHECK/OFF
10. STALL WARNING..... CHECK
11. BATTERY/MASTER SWITCH OFF
12. FLAPS..... EXTENDED
13. PARKING BRAKE..... AS REQ
14. FIRE EXT/SAFETY EQUIP CHECK
15. EMPTY SEATS..... SEAT BELTS FASTENED
16. BAGGAGE.....SECURE

EXTERNAL INSPECTION

RIGHT WING

1. WING (TRAILING EDGE/TOP) CHECK

2. FLAP CHECK
3. AILERON CHECK
4. NAV/ANTI COLLISION LIGHTS CHECK
5. WING (LEADING EDGE) CHECK
6. FUEL TANK SUMP..... DRAIN
7. FUEL TANKVISUALLY CHECK-SECURE CAP
8. FUEL VENT..... CHECK
9. TIE DOWN/CHOCKS REMOVE
10. MAIN GEAR STRUT..PROPER INFLATION (4.5")
11. TIRE/BRAKE CHECK
12. DOOR HINGES CHECK

ENGINE COMPARTMENT

1. WINDSHIELD CHECK
2. RIGHT COWLING.....CHECK COND/OPEN
3. ENGINE (HOSES, CLAMPS) CHECK
4. OIL CHECK LEVEL (MIN 6 QTS)
5. DIP STICK PROPERLY SEATED
6. RIGHT COWLING PROPERLY SEATED
7. PROPELLER/SPINNER.....CHECK
8. NOSE WHEEL TIRE.....CHECK
9. NOSE GEAR STRUT.....PROPER INFLAT (3.25")
10. TOW BAR/CHOCKSREMOVED/STOWED
11. AIR INLETS.....CLEAR
12. ALTERNATOR BELTCHECK TENSION
13. LEFT COWLING CHECK CONDITION/OPEN
14. ENGINE (HOSES, CLAMPS) CHECK
15. BRAKE FLUID CHECK
16. LEFT COWLING PROPERLY SEATED
17. FUEL FILTER DRAIN

LEFT WING

1. WING (LEADING EDGE/TOP) CHECK
2. TIRE/BRAKE CHECK
3. MAIN GEAR STRUT....PROPER INFLAT (4.5")
4. FUEL TANK SUMP..... DRAIN
5. FUEL TANK VENT CHECK
6. TIE DOWN/CHOCKS REMOVE
7. FUEL TANKCHECK VISUALLY SECURE CAP
8. STALL WARNING.....CHECK
9. PITOT MAST REMOVE COVER-HOLES CLEAR

10. NAV ANTICOLLISION LIGHTSCHECK
11. AILERONCHECK
12. FLAPCHECK

FUSELAGE (LEFT SIDE)

1. GENERAL CONDITIONCHECK
2. ANTENNAS.....CHECK
3. UNDERBELLY.....CHECK

EMPENNAGE

1. STABILATOR.....FREEDOM OF MOVEMENT
2. RUDDERCHECK
3. TAIL TIE DOWN..... REMOVE
4. ANTENNAS.....CHECK

FUSELAGE (RIGHT SIDE)

1. GENERAL CONDITIONCHECK
2. UNDERBELLY.....CHECK

BEFORE STARTING ENGINE

1. FLAPS RETRACTED
2. SEATSADJUSTED SEAT
3. BELTS/HARNESSES FASTENED
4. PRIM FLIGHT CONTROLS..FREE & CORRECT
5. ANTI-COLLISION BEACON ON
6. PASSENGER BRIEF/SAFETY.....COMPLETE
7. BRAKES HOLD

STARTING ENGINE (NORMAL AND/OR COLD)

DO NOT USE PRIMER IF ENGINE IS HOT

1. KEYIN IGNITION
2. PRIMETWO STROKES (AS REQ)
3. MIXTURE..... FULL RICH
4. BATTERY/MASTER SWITCH ON
5. ELEC FUEL PUMP ON/CHECK PRESSURE/OFF
6. THROTTLE (PUMP TWICE)1/4 INCH OPEN
7. PROPELLER AREA....."CLEAR"
8. IGNITION SWITCH..... BOTH/START
(IF NO START WITHIN 5 SEC. PRIME & REPEAT PROCEDURE)
9. THROTTLE1,000 RPM
10. OIL PRESSURE INDICATION IN 30 SEC
11. MIXTURE..... LEAN (ABOUT 1")

TAXI

1. RADIOS (ATIS, CLR DEL, GND, CTAF)....ON/SET
2. AVIONICS (PROG GPS).....ON/SET
3. TRANSPONDER STBY
4. FLIGHT INSTRUMENTS.....CHECK SET
5. NAV/ANTI COLLISION LIGHTS..... AS REQ
6. RADIO (CLR DEL, GND, CTAF).....STATE INTENT
7. TAXI AREA.....CLEAR
8. THROTTLE APPLY SLOWLY
9. BRAKES RELEASE/BRAKE CHECK

ENGINE RUN-UP

1. DOOR CLOSED & LATCHED
2. ELECTRIC FUEL PUMP.....ON
3. FUEL SELECTOR.....SWITCH TANK
4. MIXTURE.....FULL RICH
5. OIL TEMPGREEN ARC
6. THROTTLE2,000 RPM
7. VACUUM..... 5.0" GREEN
8. AMMETER.....POSITIVE (CHARGING)
9. OIL PRESSUREGREEN ARC
10. FUEL PRESSUREGREEN ARC
11. CARB HEAT....ON/OFF, CHECK FOR RPM DROP
12. MAGNETOS.....LEFT/BOTH/RIGHT/BOTH (MAX DROP 175 RPM/MAX DIFF 50)
13. THROTTLE IDLE 600-800 RPM
14. THROTTLE1000 RPM

BEFORE TAKE-OFF

1. FLIGHT INSTRUMENTS..... CHECK/SET
2. FUEL QUANTITYCHECKED/FULLEST TANK
3. PRIMER IN & LOCKED
4. ELECTRIC FUEL PUMP ON
5. MIXTURE.....FULL RICH
6. CARBUETOR HEAT OFF
7. RADIOS/AVIOICS/NAV (TWR, DEPT, CTAF)..SET
8. TRANSPONDER ALT
9. LANDING LIGHT..... ON
10. FLAPS SET
11. TRIM TAB(S)..... SET
12. CIRCUIT BREAKERS/FUSES..... CHECK
13. CREW BRIEF.....ANNOUNCE

ATTENTION TO BRIEF

- This will be a (normal/short/soft field) takeoff.
- Calculated T/O distance is _____ft.
- We will depart Rwy _____, which is _____ ft.
- We will rotate at Vr_____, Climb at Vx/Vy_____

1. *Any malfunction prior to Rotation:*
- Announce "**ABORT**" 3X, power idle, brakes.
2. *Engine failure after Rotation* below 800AGL, which is _____MSL.
-We will land straight ahead with flaps to decrease touchdown speed and shallow turns to avoid obstacles.
3. *Engine failure, with altitude above 800 AGL.*
-Consider return to the field using best pilot judgment.

(You/I) will fly the emergency.

We will depart to the (direction) climb to _____ft.

(You/I) have flight controls.

14. DOORS/WINDOWSLATCHED
15. APPROACH COURSE.....CLEAR
16. RADIO.....STATE: POSITION/INTENT

CLIMB (1000' CHECK)

1. THROTTLE..... FULL
2. FLAPS..... UP
3. CRUISE CLIMBVy 85/100 MPH
4. ELECTRIC FUEL PUMP OFF
5. LANDING LIGHT..... OFF

CRUISE

Reference performance charters & Avco-Lycoming Operator's Manual

1. NORMAL MAX POWER..... 75%
2. POWER SET PER POWER TABLE
3. MIXTURE(ABOVE 3000') LEAN
4. FLIGHT INSTRUMENTS ADJUST

DESCENT

1. THROTTLE AS REQ
2. CARB HEAT..... AS REQ
3. AIRSPEED..... AS REQ
4. MIXTUREENRICH AS YOU DESCEND

BEFORE LANDING

1. ELECTRIC FUEL PUMP ON
2. FUEL SELECTORFULLEST TANK
3. MIXTURE FULL RICH
4. LANDING LIGHT..... ON
5. RADIOSSET
6. HEADING INDICATOR.....SET
7. FLAPS.....SET
8. SEAT BELTS/HARNESSES FASTENED

AFTER LANDING - CLEAR OF ACTIVE

1. TRANSPONDER..... STBY (OFF IF END OF FLT)
2. CARB HEAT.....OFF
3. ELECTRIC FUEL PUMP OFF
4. LANDING LIGHT..... OFF
5. MIXTURELEAN (ABOVE 1")
6. FLAPS..... RETRACTED

ENGINE SHUTDOWN

1. ANTI-COLLISION BEACON ON
2. RADIOS/AVIONICS..... OFF
3. THROTTLE.....1,200 RPM (10 SEC)/1,000 RPM
4. MIXTURE IDLE CUTT-OFF
5. IGNITION SWITCH OFF
6. ELECTRIC SWITCHES..... OFF
7. BATTERY/MASTER SWITCH OFF

SECURE AIRCRAFT

1. HOBBS/TACH TIME RECORD
2. CABINCLEAN
3. CHOCKS INSTALL
4. PITOT TUBE COVER INSTALL
5. TIE DOWNS AS REQ
6. DOOR/WINDOW CLOSED & LOCKED
7. COVER INSTALL
8. POST FLIGHT INSPEC.....COMPLETE
9. AIRCRAFT DISC.....ANNOTATE/NOTIFY