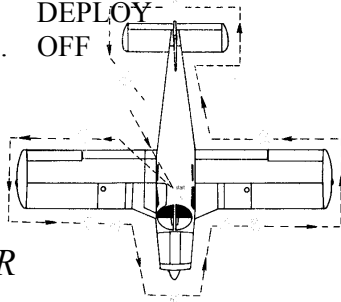


Cherokee PA28-140 Checklist

PREFLIGHT INSPECTION

COCKPIT

1. Documents and handbook . ONBOARD
2. Control Lock..... REMOVE
3. Battery Switch ON
4. Fuel Quantity CHECK
5. Flaps DEPLOY
6. Battery Switch ... OFF



EXTERIOR

RIGHT WING

1. Right Wing Flap/Aileron CHECK
2. Right Wing CHECK
3. Wing Tie Down REMOVE
4. Right Wing Fuel Drain CHECK
5. Right Tank Fuel Quantity . CHECK
6. Tire /Brakes CHECK
7. Wheel Chucks REMOVE

ENGINE

8. Oil Level CHECK
9. Exhaust..... CHECK
10. Cowling and Prop CHECK
11. Nose Wheel and strut ... CHECK
12. Brake Fluid CHECK
13. Fuel Sump..... CHECK

LEFT WING

14. Tire /Brakes CHECK
15. Wheel Chucks REMOVE
16. Left Wing Fuel Drain CHECK
17. Left Tank Fuel Quantity . CHECK
18. Wing Tie Down REMOVE
19. Pitot & Static Mast CLEAR
20. Left Wing..... CHECK
21. Left Wing Flap/Aileron ... CHECK

FUSELAGE AND TAIL

22. Fuselage CHECK
23. Tail and Elevators..... CHECK
24. Tail Tie Down..... REMOVE

BEFORE STARTING ENGINE

1. Documents and handbookCOMPLETE
2. SeatADJUST
3. SeatbeltsSECURE
4. Brakes SET
5. Radio SwitchOFF
6. Ignition SwitchOFF
7. Master Switch.....OFF
8. Circuit BreakersCHECK IN
9. Fuel Tank SelectorFULLEST

STARTING ENGINE

1. Carburetor Heat COLD
2. Mixture RICH
3. Prime IF COLD
4. Master Switch (batt/alt).....ON
5. Fuel PumpON/pressure ?/OFF
6. Throttle¼ OPEN
7. Propeller Area CLEAR
8. Ignition Switch START
9. Throttle800 RPM
10. Oil Pressure CHECK(after 30)
11. Lights, Radio, Txp.....ON

BEFORE TAKEOFF

1. Brakes SET
2. Seat, Seat Belts CHECK
3. Elevator Trim SET
4. Flight Controls FREE
5. DG, Art Horiz, Alt..... SET
6. Fuel Quantity CHECK
7. Mixture RICH
8. Throttle2000 RPM
9. MagnetosCHECK
10. Carburetor Heat CHECK
11. Suction Gauge CHECK(5)
12. Engine Gauges and Ammeter CHECK
13. Throttle IDLE
14. Fuel Pump ON
15. Throttle Friction Lock ADJUST
16. Radios ON & SET
17. Lights AS NEEDED
18. Transponder ALT
19. Wing Flaps SET (for Takeoff)
20. Cabin Door LATCHED

NORMAL TAKEOFF

1. Wing Flaps Set SET
2. Carburetor Heat COLD
3. Mixture RICH
4. Throttle FULL
5. Brakes RELEASE
6. Lift off 65 K(75 mph)
7. CLIMB Speed 74K (85 mph)

ENROUTE CLIMB

1. Airspeed 87K(100 mph)
2. Throttle FULL
3. Mixture RICH

CRUISE

1. POWER 55-75%
2. Fuel Pump OFF
3. Elevator Trim ADJUST
4. MixtureLEAN (as required)

BEFORE LANDING

1. Carburetor Heat CHECK
2. Fuel Pump ON
3. Fuel Tank Selector FULLEST
4. Mixture RICH
5. Seatbelts SECURE
6. Lights AS REQUIRED

LANDING

1. Airspeed 74K (85 mph)
2. Fuel Pump ON
3. Wing Flaps Set AS REQUIRED

AFTER LANDING

1. Wing Flaps Set UP & LOCKED
2. Carburetor Heat COLD
3. Throttle 800 rpm
4. Fuel Pump OFF
5. Lights OFF
6. Transponder STBY

ENGINE SHUT DOWN

1. Parking Brake SET
2. Radio, Txp, Intercom..... OFF
3. Alternator Switch OFF
4. Mag Check / Mixture lean-cutoff

BALKED LANDING

1. Wing Flaps Set 1 NOTCH(20⁰)
2. Throttle FULL
3. Airspeed Minimum 62 K(72MPH)
4. Retract Flaps Slowly

SHORT FIELD TAKEOFF

- Wing Flaps Set 1 NOTCH(20⁰)
Carburetor Heat COLD
Mixture RICH
Brakes APPLY
Throttle FULL
Brakes RELEASE
Lift off 60 K (70MPH)
Climb Speed 65K (75mph)
Retract Flaps After Obstacles

SOFT FIELD TAKEOFF

1. Wing Flaps Set 1 NOTCH(20⁰)
2. Carburetor Heat COLD
3. Mixture RICH
4. Brakes APPLY
5. Throttle FULL
6. Brakes RELEASE
7. Lift off ASAP
8. Accelerate just above ground..74K (85mph)
9. Retract Flaps After Obstacles

EMERGENCY PROCEEDURE

SPIN RECOVERY

1. Throttle IDLE
2. Rudder OPPOSITE OF SPIN
3. Control Wheel FORWARD
4. Rudder NORMAL AFTER SPIN

WATER LANDING

1. Wing Flaps Set 1 NOTCH(20⁰)
2. Door and WindowOpen
3. Speed65K (75mph)
4. No **Flare** , Parallel swells, protect face

LOSS OF FUEL PRESSURE

1. Fuel Pump ON
2. Fuel Tank SelectorANOTHER TANK

FAILED ENGINE

1. Trim aircraft for best glide ..74K 85mph
2. Fuel Tank SelectorANOTHER TANK
3. Fuel Pump ON
4. Mixture RICH
5. Carburetor Heat ON
6. Engine Gages CHECK
7. Primer LOCKED
8. Ignition Switch.....LEFT/RIGHT/BOTH

IF ENGINE RESTARTS

1. Fuel Pump OFF
2. Mixture ADJUST
3. Carburetor Heat OFF

POWER OFF LANDING

1. Fuel Tank Selector OFF
2. Ignition Switch OFF
3. Fuel Pump OFF
4. Mixture IDLE/OFF
5. Transponder 7700
6. Radio 121.50

ROUGH ENGINE

1. Mixture ADJUST
2. Fuel Pump ON
3. Fuel Tank SelectorANOTHER TANK
4. Carburetor Heat CHECK
5. Engine Gages CHECK
6. Ignition Switch.....LEFT/RIGHT/BOTH

FIRE

1. Ignition Switch..... BOTH
2. Master Switch OFF
3. Vents OPEN
4. Cabin Heat OFF

ENGINE FIRE

1. Ignition Switch..... OFF
2. Magnetos OFF
3. Fuel Tank Selector OFF
4. Throttle OFF
5. Mixture IDLE/OFF
6. Fuel Pump OFF
7. Cabin Heat OFF

CROSS WIND TAXIING

- Front Left ¼ ... Aileron left Elevator Neutral
- Front Right ¼ .. Aileron right Elevator Neutral
- Rear Left ¼ Aileron Right Elevator Down
- Rear Right ¼ ... Aileron Left Elevator Down

STALL SPEED TABLE		
BANK ANGLE	FLAPS 40 ⁰	NO FLAP
0 ⁰	48k 55mph	55k 64mph
20 ⁰	49K 57mph	47K 66mph
40 ⁰	55K 63mph	63K 73mph
60 ⁰	68K 78mph	79K 91mph

AIRCRAFT LIMITS

- Oil Temperature 75-245 F
- Oil Pressure 60-85 PSI
- Fuel Pressure 5 -8 PSI
- Max Positive Load 3.8 Gs
- Oil Capacity 6-8 quarts
- Tire Pressure 24 lbs

V SPEEDS

- V_{ne}** Never exceed 149K 171mph
V_{no} Max Cruise 121K 149mph
V_a Max Maneuver..... 112K 129mph
V_{fe} Max Flaps Extended 100K 115mph
V_x Best angle speed 65K 75mph
V_y Best Rate 74K 85mph
V_{so} Stall with flaps 47K 55mph
V_{s1} Stall without flaps 55K 64mph

TRANSPONDER

- Normal 1200
- Radio out 7600
- Hijacked 7500
- Emergency..... 7700