

CHEROKEE 180 Checklist

Model PA-28-180 (180 HP)

BEFORE STARTING

1. Check Load Within Limits
2. Safety Belts – FASTENED
3. Parking Brakes – SET
4. All Switches – OFF
5. Fuel Selector – FULLEST TANK
6. Mixture – FULL RICH
7. Throttle – 1/8” to 1/4” OPEN
8. Prime – If Needed
9. Carburetor Heat – OFF
10. Master Switch – ON
11. Anti-Collision Light – ON
12. Fuel Pump – ON (Check Pressure)
13. Call “CLEAR”
14. Starter – Engaged
15. Throttle – 1000 RPM (when engine starts)
16. Fuel Pump – OFF (Check Pressure)
17. Engine Gauges – CHECK PROPER INDICATIONS
18. Radios – ON
19. Transponder – STANDBY (1200)
20. Brakes – Check When Starting To Taxi

BEFORE TAKEOFF

1. Brakes – Set
2. Fuel Selector – FULLEST TANK
3. Throttle – 1800 RPM
4. Check Mags – 175 RPM DROP MAX
5. Carburetor Heat – ON (100 RPM Drop-off)
6. Vacuum – 4.5 to 5.5 PSI
7. Throttle – 1000 RPM
8. Controls – FREE
9. Auto Pilot – CHECK THEN OFF
10. Fuel Pump – ON
11. Carburetor Heat – OFF
12. Mixture – RICH
13. Trim Tabs – SET
14. Flaps – SET
15. Engine Gauges – NORMAL RANGE
16. Directional Guidance – SET
17. VOR Radios – SET
18. Transponder – ALT
19. Seats – LOCKED
20. DOOR – LOCKED

End

CLIMB

1. Rotate – 50-60 MPH
2. Climb – Best Rate (V_y) – 85 MPH
Best Angle (V_x) – 74 MPH
Enroute – 100 MPH
3. Fuel Pump – OFF above 1000' AGL (Check Pressure)

Cruise

1. See Power Chart For Settings
2. Trim – LEVEL FLIGHT
3. Mixture – LEANED
4. Auto Pilot – SET

BEFORE LANDING

1. Safety Belts – FASTENED
2. Mixture – RICH
3. Fuel Pump – ON
4. Fuel Selector – FULEST TANK
5. Flaps – DOWN (115 MPH MAX)
6. Approach Speed – 85 MPH
7. Final Approach – 76 MPH (FULL FLAPS)

AFTER LANDING

1. Flaps- UP
2. Fuel Pump – OFF

STOPPING ENGINE

1. Radios _ OFF
2. Mixture – IDLE CUT-OFF
3. Throttle - FULL AFT
4. Ignition – OFF
5. All Electrical Switches – OFF
6. Master Switch – OFF

STALL SPEED TABLE		
Angle of Bank	Flaps 40 °	Flaps Retracted
0 °	57 MPH	67 MPH
20 °	59 MPH	69 MPH
40 °	65 MPH	77 MPH
60 °	81 MPH	95 MPH