

CHEROKEE 140 Checklist

Model PA-28-140 (160 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 – 1/4” 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 – 800 RPM (when engine starts)
16. Fuel Pump – OFF (Check Pressure)
17. Engine Gauges – CHECK PROPER INDICATIONS
18. Avionics Master switch - ON
19. Radios – ON
20. Transponder – STANDBY (1200)
21. Brakes – Check When Starting To Taxi

BEFORE TAKEOFF

1. Brakes – Set
2. Fuel Selector – FULLEST TANK
3. Throttle – 2000 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 – 800 RPM
8. Controls – FREE
9. Auto Pilot – CHECK THEN OFF
10. Fuel Pump – ON
11. Carburetor Heat – OFF
12. Vacuum – 4.5 to 5.5 PSI
13. Mixture – RICH
14. Trim Tabs – SET
15. Flaps – SET
16. Engine Gauges – NORMAL RANGE
17. Directional Guidance – SET
18. VOR Radios – SET
19. Transponder – ALT
20. Seats – LOCKED
21. DOOR – LOCKED

End

CLIMB

1. Rotate – 55 MPH
2. Climb – Best Rate (V_y) – 89 MPH
Best Angle (V_x) – 78 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 – 79 MPH (FULL FLAPS)

AFTER LANDING

1. Flaps- UP
2. Fuel Pump – OFF
3. Transponder - STANDBY

STOPPING ENGINE

1. Master Avionics Switch - 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 Down	Flaps Up
0 °	55 MPH	64 MPH
20 °	55 MPH	66 MPH
40 °	55 MPH	73 MPH
50 °	55 MPH	80 MPH
60 °	55 MPH	91 MPH