

N133RM Cockpit Checklist

PREFLIGHT:

1. Remove & stow Pitot cover & Ballast Block
2. Check Engine Oil Level
3. Check Fuel Level & secure fuel cap
4. Clean & polish windscreen

ENGINE START:

1. All Switches OFF
2. Open Throttle ¼" & Confirm Boost Limit clip installed
3. Confirm Mixture at CutOff
4. Set Carb Heat ON
5. Turn Fuel Valve ON
6. Turn Master ON
7. Set Mixture FULL RICH & **Immediately Start** engine
8. Set Idle to 1200
9. Confirm Oil Pressure stable >30 PSI
10. Confirm Volt meter shows Positive Charge
11. Switch ON: Trim, Hour Meter & Gyro/EFIS
12. Set Altimeter & EFIS to field elevation

BEFORE TAXI:

1. Confirm Seat Belt On
2. Switch ON: GPS & Transponder & Com Radios

BEFORE TAKEOFF:

1. Set TAKEOFF TRIM to GREEN
2. Confirm Speed Brake UP
3. **Confirm FOUR Canopy Locks Set**
4. Confirm CHT & Oil Temps OK
5. 2200 RPM for Mag & Carb Heat Check – Ensure Mag & Tach selected match

SHUTDOWN:

1. Set GPS & Radios to OFF
2. Retract Speed Brake
3. All Switches OFF
4. Pull Mixture to CUTOFF
5. Turn Magnetos to OFF
6. Set Master to OFF
7. Remove Key to Carb Heat control

EXITING COCKPIT:

1. Turn Fuel Valve to OFF
2. Check Voltmeter to Confirm MASTER OFF
3. Record flight in Logbook

Numbers:

Takeoff:

3000 RPM & 36" MP
40 MPH Tail Up / Expect 3200 RPM & 34" MP
55 MPH Lift Off
@ 300' AGL – Push Carb Heat Off for 2" MP Increase

Climb out:

100 MPH @ 1200 FPM Solo
90 MPH @ 1000 FPM with 2 Up

Cruise:

165 MPH/ 145 knots
165 MPH IAS @ 3000 MSL @ 3400 RPM @ 5 GPH

Approach:

| | | |
|------------|-----------|--|
| 100 | 80 | Downwind / Extend Drag Brake |
| 80 | 70 | Base leg |
| 75 | 65 | Final leg – Drive it all the way down to Landing Assured |
| 70 | 55 | Cross the fence @ Idle |

Landing:

~~60~~ >50 Touch Down Tail low for 1000' roll out

Slow Flight & MCA:

65 IAS @ 2500 RPM should be easy & pitch trimmed out for Slow Flight
65 IAS @ 2200 RPM with Drag Brake Extended gives a slight descent
65 IAS @ 2000 RPM with Drag Brake Extended gives 500 FPM descent

Stall Buffet:

40 IAS power off (to be confirmed)