

**Preflight Check
Pages 4-3 of
Pilot's Operating Handbook**

STARTING

- 1. Seats & Belts – ADJUST & LOCK**
- 2. Flight Controls – FREE**
- 3. Fuel Selector Valve – PROPER TANK**
- 4. Radios & Switches – OFF**
- 5. Circuit Breakers – CHECK**
- 6. Door – CLOSED & LATCHED**
- 7. Carburetor Heat – COLD**
- 8. Mixture – RICH**
- 9. Brakes – TEST & SET**
- 10. Master Switch – ON**
- 11. Fuel Quantities – CHECK**
- 12. Electric fuel pump – ON**
- 13. Prime – as required, then LOCK**
- 14. Throttle – CRACKED**
- 15. CLEAR Area**
- 16. START**
- 17. IDLE – 800-1000 RPM**
- 18. Oil Pressure – CHECK**
- 19. Electric fuel pump – OFF. Check fuel pressure.**
- 20. Radios, Beacon, etc. – ON**

RUN UP CHECK

- 1. Brakes – SET**
- 2. Flight Controls – CHECK**
- 3. Fuel Selector Valve - PROPER TANK**
- 4. Mixture – RICH**
- 5. Flaps – CHECK & SET for takeoff**
- 6. Trim Tabs – SET**
- 7. Throttle – 2000 RPM**
- 8. Engine Instruments & Ammeter – CHECK**
- 9. Suction – CHECK (5.0 inches)**
- 10. Carburetor Heat – CHECK then OFF**
- 11. Magnetos – CHECK**
 - Max drop – 175 RPM
 - Max diff – 50 RPM
- 12. IDLE**
- 13. Annunciator panel – TEST**
- 14. Flight Instruments – CHECK & SET**
- 15. Radios – SET**
- 16. Electric fuel pump – ON. Check**

fuel pressure.

17. Seat Belts – CHECK

18. Seat backs – CHECK

19. Cabin Door & Window – LATCHED

20. Brakes – RELEASE

21. CLEAR Area

TAKEOFF

- 1. Rotation IAS 65 MPH, 55 K**
- 2. Best rate of climb IAS 87 MPH, 66 K (S.L.)**
- 3. Best angle of climb IAS 74 MPH, 63 K**
Sea level, flaps up
- 4. Cruise climb 100-115 MPH, 85-100 K**
V_a – IAS 127 MPH, 110 K
V_{glide} – IAS 87 MPH, 76 K

SHUT DOWN

- 1. IDLE – 1200 RPM**
- 2. All electrical switches – OFF**
- 3. Mixture – LEAN to cutoff**
- 4. Master & Ignition – OFF**
- 5. Controls – LOCKED**
- 6. Secure Aircraft – Close Flight Plan**

ENGINE OUT EMERGENCY

- 1. Establish best glide – IAS 87 MPH, 76 K**
- 2. Note wind – Select landing field**
- 3. Carb Heat – ON**
- 4. Mixture – RICH**
- 5. Fuel selector valve – CHECK/SWITCH**
- 6. Primer – LOCKED**
- 7. Magnetos – CHECK**

IF RESTART IMPOSSIBLE

MAYDAY on 121.5

Report position

Belt & harnesses – TIGHTEN

Passengers – WARN

Throttle – CLOSE

Fuel Selector Valve – OFF

On Short Final

Door – OPEN

Master & Ignition – OFF