

# N7186S FLIGHT CHECKLIST

| V-SPEEDS                             | RUNUP   | CRUISE                                |
|--------------------------------------|---|---------------------------------------|
| BEST GLIDE.....60 KNOTS/70 MPH       | BRAKES.....SET  | POWER.....55-75%                      |
| Vso.....41 KNOTS/48 MPH              | FLIGHT INSTRUMENTS.....CHECK/SET                      | CARBURETOR HEAT.....COLD              |
| Vs1.....46 KNOTS/54 MPH              | FUEL SELECTOR.....ON                                  | MIXTURE.....AS REQUIRED               |
| Vr.....50 KNOTS/58 MPH               | FLIGHT CONTROLS.....FREE & CORRECT                    | ELEVATOR TRIM.....SET                 |
| Vx.....55 KNOTS/64 MPH               | MIXTURE.....RICH (BLO 3000 FT)                        | <b>DESCENT</b>                        |
| Vy.....67 KNOTS/78 MPH               | THROTTLE.....1700 RPM                                 | MIXTURE.....RICH                      |
| Va.....87 KNOTS/100 MPH              | FUSES/CIRCUIT BREAKERS.....CHECK                      | WEATHER.....OBTAIN                    |
| Vfe.....85 KNOTS/100 MPH             | VACUUM.....4.6 TO 5.4 IN Hg                           | LANDING LIGHT.....ON                  |
| Vno.....106 KNOTS/123 MPH            | ENGINE INSTRUMENTS.....GREEN                          | <b>BEFORE LANDING</b>                 |
| Vne.....140 KNOTS/162 MPH            | AMMETER.....CHECK                                     | APPROACH.....BRIEFED                  |
| Enroute Climb: 65-74 KNOTS/75-86 MPH | MAG TEST.....150 RPM MAX DROP;<br>50 RPM DIFFERENTIAL | SEATS/BELTS.....SECURE                |
| Approach Speed.....60 KNOTS/65 MPH   | CARBURETOR HEAT.....CHECK & OFF                       | FUEL SELECTOR.....BOTH                |
| <b>BEFORE START</b>                  | THROTTLE.....IDLE, THEN 800 - 1000                    | MIXTURE.....RICH (BLO 3000 FT)        |
| PREFLIGHT.....COMPLETE               | FRICITION LOCK.....ADJUST                             | CARBURETOR HEAT.....AS REQUIRED       |
| TIEDOWNS/CHOCKS.....OUT              | <b>BEFORE TAKEOFF</b>                                 | FINAL APP SPEED..60-65 KTS/65-70 MPH  |
| SEAT/BELTS.....SECURE                | <b>BEFORE TAKEOFF</b>                                 | <b>BALKED LANDING</b>                 |
| FUEL SELECTOR.....ON                 | AVIONICS.....SET                                      | THROTTLE.....FULL                     |
| MASTER.....OFF                       | ELEVATOR TRIM.....TAKEOFF                             | CARBURETOR HEAT.....COLD              |
| ELECTRICAL EQUIP.....OFF             | FLAPS.....UP/10°                                      | RATE OF CLIMB.....POSITIVE            |
| FUSES/CIRCUIT BREAKERS.....CHECK     | DOORS/WINDOWS.....LATCHED                             | FLAPS.....RETRACT TO 10°              |
| PASSENGERS.....BRIEF (SAFETY)        | LIGHTS.....AS REQUIRED                                | AIRSPEED.....55 KNOTS/64 MPH          |
| <b>START</b>                         | TRANSPONDER MODE.....ALT                              | <i>After obstacles are cleared...</i> |
| BRAKES.....SET                       | PITOT HEAT.....AS REQUIRED                            | AIRSPEED.....67 KNOTS/78 MPH          |
| MASTER.....ON                        | MIXTURE.....RICH(BLO3000 FT)                          | FLAPS.....UP AT SAFE ALT              |
| NAV LIGHTS (Night).....ON            | TAKEOFF.....BRIEFED                                   | <b>AFTER LANDING</b>                  |
| BEACON.....ON                        | EMERGENCY PROC.....BRIEFED                            | RADIO CALL.....CLEAR OF RUNWAY        |
| MIXTURE.....RICH                     | TIME.....NOTE   | PITOT HEAT.....OFF                    |
| PRIME.....0 TO 3 STROKES             | THROTTLE.....FULL                                     | CARBURETOR HEAT.....COLD              |
| THROTTLE.....1/4 INCH                | ROTATE.....50 KNOTS/58 MPH                            | THROTTLE.....800 TO 1000 RPM          |
| PROP AREA.....CLEAR                  | FLAPS.....RETRACT SLOWLY                              | FLAPS.....UP                          |
| MAGNETOS.....START                   | <b>CLIMB</b>  | LIGHTS.....AS REQUIRED                |
| PUSH TO START.....ENGAGE             | Vx.....55 KNOTS/64 MPH                                | MIXTURE.....LEAN MAX RPM              |
| THROTTLE.....800 - 1000 RPM          | Vy.....67 KNOTS/78 MPH                                | TRIM.....SET FOR TAKEOFF              |
| OIL PRESSURE.....CHECK               | THROTTLE.....FULL                                     | <b>SHUTDOWN</b>                       |
| AVIONICS MASTER.....ON               | CARBURETOR HEAT.....COLD                              | AVIONICS.....OFF                      |
| LIGHTS.....AS REQUIRED               | MIXTURE.....LEAN(ABV 3000)                            | ELECT EQUIP.....OFF                   |
| FLAPS.....UP                         | FUEL SELECTOR.....BOTH                                | BEACON.....ON                         |
| WEATHER.....OBTAIN                   | LIGHTS.....AS REQUIRED                                | MIXTURE.....FULL LEAN                 |
| FLIGHT INSTRUMENTS.....CHECK/SET     | <b>KVPZ FREQUENCIES</b>                               | MAGNETOS & KEYS.....OFF/OUT           |
| BRAKES.....CHECK                     | ASOS.....125.87.....219-531-1770                      | MASTER.....OFF                        |
|                                      | CTAF/UNICOM.....122.725                               | TIEDOWNS/CHOCKS.....INSTALL           |
|                                      | FSS TERRE HAUTE.....123.65...122.20                   |                                       |
|                                      | SOUTH BEND APP.....132.050                            |                                       |
|                                      | TERMINAL.....219-462-6508                             |                                       |
|                                      | KNOX VOR (OXI).....115.6                              |                                       |