

**Normal Checklist**

**COCKPIT**

Pre-Flight Inspection	<b>COMPLETED</b>
Papers	<b>ABOARD</b>
Cabin Doors	<b>CLOSED/CKD</b>
Circuit Breakers	<b>CHECKED</b>
Seat Belts	<b>FASTENED</b>
Alternate Static	<b>OFF</b>
Carburator Heat	<b>OFF</b>
Brakes	<b>SET</b>

**BEFORE START ENGINE**

Flight Controls	<b>CHECKED</b>
Avionics	<b>OFF</b>
Trim	<b>NEUTRAL</b>
Battery / Alternator	<b>ON</b>
Anti-Collision Lights	<b>ON</b>
Fuel Quantity (1/4+)	<b>CHECKED</b>
Fuel Selector	<b>RIGHT TANK</b>

**STARTING ENGINE**

Mixture	<b>RICH</b>
Throttle	<b>Open 1,5 cm</b>
Check Pump A / B	<b>ON, CHECKED, OFF</b>
While Priming	<b>HOLD PRIME 3-5s</b>
Use Fuel Pump A or B	<b>PUMP ON 1-3s, OFF</b>
Magneto Switch	<b>LEFT</b>
Prop Area	<b>CLEAR</b>
Starter	<b>ENGAGE</b>
Magneto Switch	<b>RIGHT</b>
Throttle	<b>1000 RPM</b>
Oil Pressure	<b>CHECKED</b>
Fuel Pump	<b>OFF</b>
Mixture	<b>LEAN</b>

**AFTER START**

Avionic	<b>ON</b>
Altimeter	<b>SET QNH</b>

Nav-Setting	<b>COMPLETED</b>
Gyro	<b>SET</b>

**TAXI**

Fuel Pump A	<b>ON</b>
Brakes	<b>CHECKED</b>
Flaps	<b>CHECKED / SET</b>
Flight Instruments	<b>CHECKED</b>

**ENGINE RUN-UP**

Parking Brake	<b>SET</b>
Throttle	<b>2000 RPM</b>
Magnetos	<b>&lt; 175 RPM, diff &lt; 50</b>
Suction	<b>CHECKED</b>
Amperemeter	<b>CHECKED</b>
Carb Heat	<b>&lt; 75 RPM</b>
Engine Instruments	<b>CHECKED</b>
Annunciator Panel	<b>CHECKED</b>
Throttle	<b>IDLE, 1000RPM</b>

**BEFORE TAKE OFF**

Engine Run up	<b>COMPLETED</b>
Fuel Pump	<b>ON</b>
Magnetos	<b>Both</b>
Landing Light	<b>ON</b>
Transponder	<b>ALT, Squawk SET</b>
Carb Heat	<b>OFF</b>
Mixture	<b>RICH</b>
Gyro	<b>CHECKED</b>
DEP/EMER-Brief	<b>COMPLETED</b>
T/O Time	<b>RECORDED</b>

**AFTER TAKE OFF**

Flaps	<b>UP</b>
Landing Light	<b>OFF</b>
Altimeter	<b>QNH / FL</b>
<i>Cycle Fuel Pump A/B every traffic circuit</i>	

**Normal Checklist**

**CRUISE**

Fuel Pump	<b>OFF</b>
Power	<b>SET</b>
Mixture	<b>LEAN</b>
<i>Fuel Tank cycle after 1 hour with Fuel Pump</i>	

**APPROACH**

ATIS/ WX	<b>CHECKED</b>
Altimeter	<b>QNH</b>
Appr. Briefing	<b>COMPL.</b>
Gyro	<b>CHECKED</b>
Fuel Selector (1/4+)	<b>RIGHT</b>
Fuel Pump B	<b>ON</b>
Landing Light	<b>ON</b>
Carb Heat	<b>ON</b>

**FINAL**

Flaps	<b>SET</b>
Mixture	<b>RICH</b>

**AFTER LANDING**

Landing Light	<b>OFF</b>
Transponder	<b>GND/STBY</b>
Carb Heat	<b>OFF</b>
Mixture	<b>LEAN</b>
Flaps	<b>UP</b>

**ENGINE SHUTDOWN**

Fuel Pump	<b>OFF</b>
Parking Brake	<b>SET</b>
Avionic	<b>OFF</b>
Throttle	<b>1000 RPM</b>
Mixture	<b>CUT OFF</b>
Anti-Collision Light	<b>OFF</b>
Magnetos	<b>OFF</b>
Battery / Alternator	<b>OFF</b>

**Take off & Climb**

**KIAS**

Rotate	<b>55 - 60</b>
Enroute Climb	<b>87</b>
V <sub>X</sub> (best angle)	<b>64</b>
V <sub>Y</sub> (best rate)	<b>76</b>

**Approach & Landing**

**KIAS**

V <sub>appr</sub> 0° Flaps	<b>75</b>
V <sub>appr</sub> Flaps extended	<b>66-75</b>
V <sub>appr</sub> Flaps 40° short field	<b>66</b>
V <sub>glide</sub> Flaps 0°	<b>76</b>

**Weigt & Balance Information**

Gross W. T/O-LDG	<b>1157 kg (2550 lbs)</b>
Empty Weight	<b>796 kg (1754 lbs)</b>
Useful Load	<b>361 kg (795 lbs)</b>
Payload (48 GAL)	<b>230 kg (507 lbs)</b>
Payload (34 GAL)	<b>268 kg (591 lbs)</b>
max. Baggage	<b>90 kg (200 lbs)</b>

**Speed Restrictions**

**KIAS**

V <sub>NE</sub>	<b>154</b>
V <sub>No</sub>	<b>125</b>
V <sub>FE</sub>	<b>102</b>
V <sub>A</sub> (2550 lbs / 1634 lbs)	<b>113 / 89</b>
V <sub>S1</sub> (40°)	<b>45</b>
V <sub>S0</sub> (25°)	<b>49</b>
V <sub>S</sub> (0°)	<b>50</b>
V <sub>max</sub> crosswind	<b>17 (not a limitation)</b>