

**BEFORE TAKEOFF CHECKLIST****SZD50-3**

<b>MASTER SWITCH</b>	<b>ON</b>
<b>RADIO and VARIO</b>	<b>ON</b>
<b>WT &amp; BALANCE</b>	<b>CHECK</b>
<b>RUDDER PEDALS</b>	<b>ADJUSTED</b>
<b>REAR SEATBACK</b>	<b>ADJUSTED</b>
<b>CONTROLS</b>	<b>FREE &amp; CORRECT</b>
<b>ALTIMETERS</b>	<b>SET</b>
<b>INSTRUMENTS</b>	<b>SET</b>
<b>PITCH TRIM</b>	<b>SET FOR TAKEOFF</b>

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<b>DIVE BRAKES</b>	<b>CLOSED AND LOCKED</b>
<b>CANOPY</b>	<b>CLOSED AND LOCKED</b>
<b>EMERGENCY PLAN</b>	<b>REVIEWED</b>

**BEFORE LANDING CHECKLIST****SZD50-3**

<b>UNDERCARRIAGE</b>	<b>DOWN &amp; LOCKED</b>
<b>SPEED</b>	<b>55 KNOTS (minimum)</b>
<b>TRIM</b>	<b>SET</b>
<b>AIRBRAKES</b>	<b>TEST &amp; HOLD</b>
<b>LOOK</b>	<b>WINDS, RUNWAY, TRAFFIC</b>

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<b>SZD50-3</b>	
<b>MINIMUM SINK</b>	<b>40 KNOTS</b>
<b>BEST L/D</b>	<b>46 KNOTS</b>
<b>AEROTOW</b>	<b>81 KNOTS</b>
<b>WINCH</b>	<b>59 KNOTS</b>
<b>Vne</b>	<b>116 KNOTS</b>
<b>Va</b>	<b>81 KNOTS</b>
<b>PATTERN</b>	<b>55-60 KNOTS (calm wind)</b>

### **SPEED TO FLY**

<b><u>SINK RATE</u></b>	<b><u>SPEED</u></b>
<b>100 FT/MIN</b>	<b>66 KNOTS</b>
<b>200 FT/MIN</b>	<b>71 KNOTS</b>
<b>300 FT/MIN</b>	<b>78 KNOTS</b>

### **Radio Frequencies**

<b>CYS TWR</b>	<b>118.70</b>
<b>CYS ATIS</b>	<b>134.425</b>
<b>LAR CTAF</b>	<b>123.05</b>
<b>LAR ASOS</b>	<b>135.475</b>
<b>FNL TWR</b>	<b>118.40</b>
<b>FNL ATIS</b>	<b>135.075</b>
<b>GXY CTAF</b>	<b>122.80</b>
<b>GXY AWOS</b>	<b>135.175</b>

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**PREFLIGHT CHECKLIST**

**SZD50-3**

**FRONT COCKPIT CHECK**

**FLIGHT MANUAL**

**AIRWORTHINESS**

**REGISTRATION**

**WEIGHT AND BALANCE**

**BALLAST IF REQUIRED**

**RUDDER PEDALS ADJUSTED**

**SEAT BELT AND SHOULDER HARNESS CHECKED**

**REAR COCKPIT**

**SEAT BELT SECURED (SOLO FLIGHT)**

**CHECK RUDDER PEDAL AREA**

**SEAT BACK ADJUSTED**

**EXTERIOR INSPECTION**

**CANOPY CLOSED**

**FRONT TIRE INSPECT**

**18 PSI**

**MAIN TIRE**

**45 PSI**

**RIGHT WING**

**INSPECT**

**RIGHT AILERON**

**INSPECT**

**RIGHT SPOILER**

**INSPECT**

**RIGHTWING ROOT**

**INSPECT**

**AFT FUSELAGE**

**CHECK T.E. PROBE**

**TAIL ASSEMBLY**

**CHECK SECURE**

**ELEVATOR**

**FULL MOVEMENT**

**ELEVATOR TRIM TABS**

**INSPECT**

**RUDDER**

**FULL MOVEMENT**

**ELEVATOR LOCKING PIN**

**INSTALLED**

**LEFT WING ROOT**

**INSPECT**

**LEFT SPOILER**

**INSPECT**

**LEFT AILERON**

**INSPECT**

**LEFT WING**

**INSPECT**

**TOW HOOK**

**INSPECT**

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