

| PRESTART | BEFORE TAKE OFF AT RUNUP BAY |
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| Pre-FlightCompleted as per POH Maintenance release.....checked and signed Flight times.....Recorded Rudder Pedals.....adjusted Flight controlsfree and correct Harnesses.....ADJUST and FASTEN Passenger.....BRIEF (safety) Headsets.....Plugged in All switches.....OFF Fuel valve.....OPEN Throttle.....IDLE Main switch.....ON Instrument switch (1).....ON Strobe lights.....ON Fuel quantity.....check agrees with dip Aux fuel pump.....ON (Prime engine) Aux fuel pump.....OFF Check area visually....."CLEAR PROP!" Canopy.....secure for start Toe Brakes.....HOLD Choke.....AS REQUIRED Starter.....ENGAGE Throttle.....2000 RPM Choke.....CLOSED as engine warms | <ul style="list-style-type: none"> • Toe Brake.....Hold • Canopy.....CLOSED AND LATCHED (3) • Flight controlsfree and correct • Flaps set.....15° • Flight instruments.....Checked Left to right • Fuel shutoff valve.....OPEN • AUX P FUEL PUMP.....ON (Check pressure) • Elevator trim.....set for take off • Propellor set.....TO/LN (Switch left) • Auto pilot.....OFF • Check area all clear behind • OIL PRESSGREEN CHECK • OIL TEMP / CHT.....50° MIN • Throttle.....4000 RPM • Magnetos check RPM drop.....L/R <ul style="list-style-type: none"> ◦ (300 Max drop 120 max Differential) • Carb heat / Airbox check.....(RPM drop) • Engine instruments check.....CORRECT • Throttle Check idle.....above 700 rpm • Throttle set.....2000 RPM • Pre take off safety brief.....COMPLETE |
| | BEFORE ENTERING RUNWAY |
| | <ul style="list-style-type: none"> • <i>Lights..... lights on</i> • <i>Camera..... Transponder set 1200 ALT (AC)</i> • <i>Action..... Radio "Call given"</i> • CHECK CANOPY LATCHES LOCKED |
| AFTERSTART | AFTER TAKEOFF |
| <ul style="list-style-type: none"> • Oil pressure....CHECK GREEN BAND • Alternator charge light.CHECKED OFF • Dynon D10a.....Voltage above 13.5v • Instrument switch (2).....ON • Flaps.....UP • Intercom / RADIO....CHECK VOLUME • Transponder.....ON • GPS (Switch).....ON • MAPS.....ON IF REQUIRED • Turn coordinator.....On (no Red Flag) • Altimeter.....SET • Propellor set.....TO/LN (Switch left) | <ul style="list-style-type: none"> • <i>300 Ft flaps up</i> • <i>Temperature and pressure check</i> |
| | BEFORE LANDING |
| | <ul style="list-style-type: none"> • <i>B - Brakes</i> • <i>U - Undercarriage down</i> • <i>M - Magnetos</i> • <i>P - Pump / pressure / Prop SET TO/LN</i> • <i>F - Fuel sufficient / on</i> • <i>I - Instruments Green range</i> • <i>S - Switches (as required)</i> • <i>C - Carburettor heat</i> • <i>H - Hatches and Harnesses</i> |
| PRE-TAXI CHECK | AFTER LANDING CLEAR OF THE RUNWAY |
| <ul style="list-style-type: none"> • Engine Warm-up.....MIN TEMP 50° • DISCUSS: <ul style="list-style-type: none"> ◦ Taxi plan runway and route ◦ THREATS ERRORS AND NOTAMS • RADIO CHECK / TAXI CALL...GIVEN • Move and check brakes | <ul style="list-style-type: none"> • <i>Clear of runway..... radio call</i> • <i>Transponder set.....GND (A)</i> • <i>Identify flapsand select up</i> • <i>NAV / landing lights..... off</i> • <i>Brakes release..... taxi to parking</i> |
| | SHUTDOWN / SECURING |
| | <ul style="list-style-type: none"> • Radios and transponder.....off • GPS.....off • Throttleidle • Ignition switchoff key removed • Strobe light.....off • Master switchoff |

| AIRSPEEDS | PARACHUTE RESCUE DEPLOYMENT |
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| <ul style="list-style-type: none"> BEST GLIDE.....70 Kts STALL CLEAN49 Kts STALL WITH FLAP.....43 Kts Va(Maneuvering speed).....97 Kts Vne (Never exceed).....153 Kts Vmax Crosswind.....11 Kts | <ul style="list-style-type: none"> AIRSPEED.....SLOW AS POSSIBLE IGNITION.....OFF HARNESSES.....TIGHTEN ACTIVATION HANDLE.....PULL FIRMLY IMPACT POSITION...PULL LIMBS CLOSE TO BODY AND COVER FACE |
| ** Memory checks given in Italic blue | |
| TAKE OFF SAFETY BRIEF | FORCED LANDING |
| <p>If anything should happen prior to take off I WILL close the throttle apply brakes and stop. If I have an engine failure after take off with sufficient runway remaining I WILL close the throttle, lower the nose and land straight ahead. With insufficient runway remaining I WILL Close the throttle pick an area 15-20° either side of the nose and make an off field landing. If I have an engine failure above 700 ft I will consider a return to land on the opposite runway.</p> | <ul style="list-style-type: none"> FLY THE AIRCRAFT SPEED 70 Kts SELECT LANDING AREA IF time permits: AUX FUEL PUMP.....OFF FUEL VALVE..... CLOSE IGNITION SWITCH..... OFF WING FLAPS AS REQUIRED MAIN SWITCH..... OFF TOUCHDOWN SLIGHTLY TAIL LOW BRAKES APPLY HEAVILY |
| ENGINE FAILURE DURING TAKE OFF | PRECAUTIONARY LANDING WITH POWER |
| <ul style="list-style-type: none"> THROTTLE IDLE / CLOSED BRAKES APPLY WING FLAPS RETRACT | <ul style="list-style-type: none"> FLY THE AIRCRAFT SPEED 70 Kts SELECT LANDING AREA.....6(S) WING FLAPS..... 15° HARNESSES.....TIGHTEN PREC. SEARCH PROCEDURE ELECTRICAL SWITCHES OFF EXCEPT IGNITION AND MAIN WING FLAPS 2 ON FINAL APPROACH FINAL APPROACH SPEED..... 55 KIAS MAIN SWITCH..... OFF TOUCHDOWN SLIGHTLY TAIL LOW BRAKES APPLY HEAVILY |
| ENGINE FAILURE AFTER TAKEOFF | |
| <ul style="list-style-type: none"> FLY THE AIRCRAFT AIRSPEED 70 KIAS SELECT LANDING AREA <i>IF time permits:</i> FUEL VALVEOFF IGNITION SWITCH..... OFF WING FLAPS AS15° MAIN SWITCH..... OFF | |
| ENGINE FAILURE DURING FLIGHT | DITCHING |
| <ul style="list-style-type: none"> FLY THE AIRCRAFT AIRSPEED 70 KIAS FUEL VALVE ON AUX FUEL PUMP..... ON IGNITION SWITCH “BOTH” OR START IF PROPELLOR HAS STOPPED <i>IF RESTART FAILS, EXECUTE A FORCED LANDING.</i> | <ul style="list-style-type: none"> TRANSMIT MAYDAY SQUAWK 7700 APPROACH INTO WIND PARALLEL TO SEA SWELLS WING FLAPS 2 EST. 300 FT/MIN DESC AT 65 KIAS TOUCHDOWN IN A LEVEL ATTITUDE |
| ENGINE FIRE DURING START | FIRE INFLIGHT |
| <ul style="list-style-type: none"> CRANKING ENGINE CONTINUE IF ENGINE STARTS <ul style="list-style-type: none"> RPM SET 2000 FOR A FEW SECONDS FUEL VALVE.....OFF IF ENGINE FAILS TO START <ul style="list-style-type: none"> THROTTLE FULL OPEN STARTER CONTINUE CRANKING IGNITION SWITCH.....OFF FUEL VALVE.....OFF MAIN SWITCH.....OFF EVACUATE AIRCRAFT | <ul style="list-style-type: none"> FUEL VALVE..... OFF THROTTLEFULL OPEN AUX FUEL PUMP.....OFF IGNITION SWITCH.....OFF CABIN HEAT..... OFF NON-ESSENTIAL SWITCHES.....OFF AIRSPEED..... 55 KIAS FLAPSFULL GO TO FORCED LANDING CHECKLIST |