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| RCM AWOS | 119.575 | KC Center | 135.575 | SZL APP | 127.45 |
| Flt Scl Dispatch | 123.3 | FSS | 122.05 | SZL / KC DEP | 125.925 |
| RCM CTAF | 123.0 | SZL ATIS | 118.725 | SZL Tower | 132.4 |

SPEEDS (MPH 2400lb gross)

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|--------------------------|-------|
| Vso..... | 57 |
| Vs..... | 67 |
| Vr..... | 60 |
| Vx..... | 74 |
| Vy..... | 85 |
| Vfe..... | 115 |
| Vno..... | 140 |
| Vne..... | 171 |
| Va (2400 lbs)..... | 129 |
| Best Glide..... | 80 |
| Max. Demo X-Wind..... | 15 |
| Approach (Flaps DN)..... | 80-95 |
| Enroute Climb..... | 100 |

PREFLIGHT

IMSAFE.....COMPLETE
Illness, Medication, Stress, Alcohol,
Fatigue, Emotion
 Weather.....CHECK
 Required Equipment.....CHECK
 Weight & Balance.....COMPLETE
 A/C Perform and Rnwy Lgth...CHECK
 Fuel Requirements.....VERIFIED
 Dispatch Aircraft.....FLIGHT CIRCLE

CABIN

CERTS & Docs (**AROW**)....CHECK
Airworthiness Certificate
Registration
Operating Limitations (POH/AFM)
Weight and Balance (current)
 Inspection/AD status
 Discrepancy Record
 Parking Brake.....SET
 Hobbs/Tach.....RECORD
 Control Lock.....REMOVE
 Fire Extinguisher.....CHARGED
 Trim Tabs.....SET NEUTRAL
 Electrical/Radios.....OFF

Ignition.....OFF
 Master.....ON
 Fuel Quantity.....CHECK
 Flaps.....10° EXTEND
 Lights.....ON/INSPECT
 Master.....OFF

EXTERIOR INSPECTION

Right Wing

Flaps Tracks.....CHECK
 Aileron.....FREE & CORRECT
 Nav Light.....INTACT (GREEN)
 Tie Down.....REMOVE
 Fuel Quantity.....CHECK
 Fuel Tank Vent.....CHECK
 Fuel Sump.....DRAIN
 Fuel Filler Cap.....SECURE
 Strut.....~4.5 inches
 Chocks.....REMOVE
 Tire.....Check Wear & 24 psi
 Brake.....CHECK

Nose

Windshield.....CLEAN
 Cowlings.....OPEN/INSPECT
 Oil Quantity (5.5-8 qt)....CHECK
 Prop/Spinner.....CHECK
 Air Inlet.....CHECK
 Alternator Belt.....CHECK
 Nose Strut.....~3.25 inches
 Tire.....Check Wear & 24 psi
 Chocks.....REMOVE
 Tow Bar.....REMOVE
 Hydraulic Fluid Res.....CHECK
 Fuel Sump.....DRAIN
 Cowlings.....CLOSE/LATCH

Left Wing

Brake.....CHECK
 Chocks.....REMOVE
 Tire.....Check Wear & 24 psi
 Strut.....~4.5 inches
 Fuel Quantity.....CHECK
 Fuel Tank Vent.....CHECK
 Fuel Sump.....DRAIN
 Fuel Filler Cap.....SECURE
 Tie Down.....REMOVE
 Pitot Tube.....CHECK
 Stall Warning Tab.....CHECK
 Nav Light.....INTACT (RED)
 Aileron.....FREE & CORRECT
 Flap Tracks.....CHECK

Aft Fuselage & Empennage

Fuselage.....CHECK
 Antennas.....CHECK
 Static Source.....CHECK
 Horizontal Stabilizer.....CHECK
 Vertical Stabilizer.....CHECK
 Nav Light.....INTACT (White)
 Tail Beacon.....INTACT (RED)
 Belly Beacon.....INTACT (White)
 Tie Down.....REMOVE
 Baggage Door.....SECURE

PASSENGER BRIEFING

Seat Belt Rules and Use
 Air Vents and Heat
 Fire Extinguisher
 Exit Door / Emergency / ELT
 Traffic & Radio Use
 Your Questions

BEFORE STARTING ENGINE

Tow Bar.....REMOVE&STOW
 Chocks.....REMOVE
 Cowl Plugs.....REMOVE
 Preflt Inspection.....COMPLETE
 Passenger Brief.....COMPLETE
 Seats and Belts.....SECURE
 Parking Brake.....SET
 Circuit Breakers.....CHECK
 Electrical/Radios.....OFF
 Fuel Selector.....FULLEST TANK

ENGINE START

Master.....ON
 Beacon.....ON
 Mixture.....RICH
 Throttle.....OPEN 1/4 INCH
 Carburetor Heat.....COLD
 Fuel Pump.....ON
 Prime.....3 or 4 TIMES
ENGINE FIRE DURING START (Brief)
 Propeller Area.....CLEAR
 Magneto.....START
10 Sec MAX (20-30 Cool down)
 Throttle.....1000 RPM
 Oil Pressure.....CHECK
 Mixture.....LEAN for taxi
 Fuel Pump.....OFF
 Fuel Pressure.....VERIFY
 Ammeter..("GEN AMPS")..CHECK

HOT START

Throttle.....OPEN 1/4 WAY
 Master.....ON
 Fuel Pump.....ON
 Mixture.....RICH
 Ignition.....START

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| <p><u>FLOODED START</u> Throttle.....FULL OPEN Master.....ON Fuel Pump.....ON Mixture.....IDLE CUTOFF Ignition.....START *When engine fires, advance mixture and retard throttle*</p> <p><u>BEFORE TAXI</u> Lights & Strobe.....ON Radios & GPS.....ON & SET NAV light.....On/Dim (Day) On/Bright (Night) *For ADS-B* ATIS / WX.....OBTAIN Clearance.....GET(If IFR) Transponder.....1200 or Assigned Transponder.....STBY Flaps.....RETRACT Parking Brake.....RELEASE Brakes.....TEST Instruments.....CHECK</p> <p>RCM CTAF/UNICOM.....123.0 RCM AWOS/WX119.575 (660) 422-7010 RCM CLEARANCE DELIVERY (913) 254-8508 (888) 766-8267</p> <p>SZL ATIS/WX118.725 SZL APP127.45 SZL TWR132.4</p> <p>KC CENTER (RCM).....135.575 KC CENTER (SZL).....125.925</p> <p>FSS (RCM).....122.05</p> | <p><u>RUNUP</u> Parking Brake.....SET Seats/Belts.....SECURE Doors/Windows.....CLOSED & LOCKED Controls.....FREE & CORRECT Trim.....SET NEUTRAL Fuel Quantity.....CHECK Fuel Selector.....FULLEST TANK Fuel Pump.....CHECK ON Mixture.....SET for Altitude Throttle.....2000 RPM Magnetos.....CHECK Max drop 175 RPM Max differential 50 RPM Carb Heat.....CHECK Suction.....5" hg +/- 1" hg Ammeter.....CHECK Oil Pressure/Temp.....CHECK Throttle.....IDLE (650 Min) Throttle Friction Lock.....SET Instruments.....CHECK and SET Transponder.....ALT Radios and Avionics.....SET Brakes.....RELEASE</p> <p><u>PRE-TAKEOFF</u> Fuel Pump.....ON Fuel Selector.....FULLEST TANK Mixture.....SET for Altitude Flaps (as required).....SET Transponder.....ALT Lights.....AS REQUIRED Emerg. Procedures.....REVIEW</p> |
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| <p><u>NORMAL TAKEOFF</u> Wing Flaps.....0 Degrees Carburetor Heat.....COLD Throttle.....Full OPEN Engine Instruments.....CHECK Elevator.....Begin Rotation @ 60 MPH Climb.....74-85 MPH Cruise Climb.....100 MPH Fuel Pump.....OFF @ 1000 AGL Fuel Pressure.....VERIFY Landing Light.....OFF</p> <p><u>CRUISE</u> Throttle.....SET Trim.....SET Mixture.....LEAN >3000' or <75% POWER (Swap every 30 min. Fuel Pump on for swap) Fuel Selector.....DESIRED TANK Engine Gauges.....CHECK</p> <p><u>DESCENT</u> Power.....AS DESIRED Carburetor Heat.....AS REQD Mixture.....ADJUST Altimeter.....SET Fuel Selector.....FULLEST TANK</p> <p><u>BEFORE LANDING</u> Weather.....CHECK and SET Seats/Belts.....SECURE Fuel Selector.....FULLEST TANK Fuel Pump.....ON Fuel Pressure.....VERIFY Mixture.....RICH Landing Light.....ON</p> | <p><u>NORMAL LANDING</u> <u>DOWNWIND</u> Fuel Pump.....ON Flaps.....10° BELOW 115 mph Throttle.....1700 Carb Heat..Only if ICE Suspected Speed.....95 mph</p> <p><u>BASE</u> Flaps.....25°</p> <p><u>GUMPFS</u> Fuel Selector.....FULLEST TANK Fuel pump.....CHECK Mixture.....RICH Speed.....80-95 mph Seat Belts.....SECURED</p> <p><u>FINAL</u> Speed.....76 mph (Full Flaps) Flaps.....25° - 40° Throttle.....OUT prior to #'s Touchdown.....MAINS FIRST LOWER NOSE GENTLY Braking.....MIN REQUIRED</p> <p><u>GO-AROUND</u> Throttle.....FULL OPEN Carb Heat.....COLD Climb.....74 - 85 MPH Flaps.....RETRACT 1 NOTCH AT A TIME</p> <p><u>AFTER LANDING</u> Carb Heat.....COLD Flaps.....RETRACT Transponder.....STBY Landing Light.....OFF Mixture.....LEAN for taxi Fuel Pump.....OFF Fuel Pressure.....VERIFY</p> |
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SHUT DOWN

Electrical Equipment.....OFF
 Avionics Master.....OFF
 Mixture.....IDLE cutoff
 Ignition.....OFF
 Master.....OFF
 Beacon.....OFF
 Hobbs/Tach.....RECORD
 Trash.....REMOVE
 CabinCLEAN
 Cabin Air Vents.....CLOSE
 Cabin Air Exhaust (Top).....CLOSE
 Doors/Windows.....LOCKED
 Tie-Downs.....SECURE
 Chocks.....INSTALL
 Flight Plan.....CLOSE
 Windows/Windscreen.....CLEAN
 Airplane.....CLEAN
 Fuel.....FILL
 Hangar.....CLEAN & SECURE
 Check-in Aircraft.....FLIGHT CIRCLE

SOFT FIELD TAKEOFF

Flaps.....25°
 Carburetor Heat.....OFF
 Elevator.....Full AFT
 Throttle.....Slowly Full OPEN
 Liftoff.....Slowest Possible Airspeed
 Accelerate in ground effect
 Climb.....74 MPH
 Until clear of obstacle
 Climb.....85 MPH
 Flaps.....RETRACT

SOFT FIELD LANDING

Fuel Pump.....ON
 Airspeed.....85 MPH FINAL
 Flaps.....Down (40°)
 Touchdown.....MAINS first
 power to keep nosewheel off the
 ground, elevator full aft
 Flaps.....RETRACT
 Brakes.....MINIMAL

SHORT-FIELD TAKEOFF

Flaps.....25°
 Carburetor Heat.....OFF
 Brakes.....APPLY
 Throttle.....Full OPEN
 Engine Instruments.....CHECK
 Brakes.....RELEASE
 Rotate.....50-60 MPH
 Climb.....74 MPH
 until clear of obstacle
 Climb.....85 MPH
 Flaps.....RETRACT

SHORT FIELD LANDING

Fuel Pump.....ON
 Airspeed.....76 MPH FINAL
 Flaps.....Down (40°)
 Power.....IDLE
 Touchdown.....MAINS first
 Brakes.....APPLY
 Flaps.....RETRACT
 Elevator.....FULL AFT

IFR APPROACH

PREPARATION

ATIS.....OBTAINED
 STACK.....SET
 Approach Briefing.....COMPLETED
 Plane Configuration.....COMPLETED

**APPROACH BRIEFING
(MICEATM)**

MARKIER BEACONSET
 IDENTIFY
 Airport & Approach
 Frequencies
 RWY Length
 RWY Light
 Fixes Identification
 CDI.....Correct NAV source & course
 Entry.....Identify and type of entry
 Altitude.....How low/How far
 Time.....Calculated
 MISSED APP.....where/when/what

PLANE CONFIG (GUMPFS)

Gas.....SET FULLEST
 Undercarriage.....N/A
 Mixture.....RICH
 Propeller.....N/A
 Flaps.....SET
 Speed, Seat Belt, & Switches.....SET

**FINAL APPROACH FIX
(6 T's)**

Time.....SECURE
 Turn.....To FINAL COURSE
 Twist.....CDI & RADIO FREQ
 Throttle.....SET FOR DESENT
 Track.....COURSE
 Talk...REPORT FAF OR GS INX
 GUMPS.....COMPLETED

BEFORE LANDING

ATIS & Traffic Advisory
 Seats/Belts.....SECURE
 Fuel Selector....FULLEST TANK
 Fuel Pump.....ON
 Fuel Pressure.....VERIFY
 Mixture.....RICH
 Landing Light.....ON

**NORMAL LANDING
FINAL**

Speed.....85 mph (Flaps UP)
 Flaps.....As Desired (<115 MPH)
 Speed.....76 mph (Full Flaps)
 Flaps.....25° - 40°
 Throttle.....OUT prior to #'s
 Touchdown.....MAINS FIRST
 LOWER NOSE GENTLY
 Braking.....MIN REQUIRED

GO-AROUND

Throttle.....FULL OPEN
 Carb Heat.....COLD
 Climb.....74 - 85 MPH
 Flaps...RETRACT 1 NOTCH
 AT A TIME

**ENGINE FAILURE
DURING TAKEOFF ROLL**

Throttle.....IDLE
Brakes.....APPLY
Flaps.....RETRACT
Mixture.....IDLE CUTOFF
Ignition.....OFF
Master.....OFF

**ENGINE FAILURE AFTER
TAKEOFF (RESTART)**

Airspeed.....80 MPH
Fuel Selector...**OPPOSITE TANK***
Fuel Pump.....ON
Mixture.....FULL RICH
Carburetor Heat.....ON

**ENGINE FAILURE
DURING FLIGHT
(RESTART)**

Airspeed.....80 MPH
Landing Site.....LOCATE
Fuel Selector...**OPPOSITE TANK***
Fuel Pump.....ON
Carburetor Heat.....ON
Mixture.....FULL RICH
Ignition.....L,R, BOTH
Primer.....IN and LOCKED
Engine Gauges.....CHECK
Throttle/Mixture...VARIOUS settings

****IF POWER IS RESTORED****

Carburetor Heat.....OFF
Fuel Pump.....OFF

**IF POWER IS NOT
RESTORED PREPARE
FOR FORCED LANDING**

****Fuel exhaustion due to starvation -
power will not be regained after
tanks are switched until empty fuel
lines are filled ~ 10 Seconds***

**EMERGENCY LANDING
WITHOUT POWER**

Seats/Belts.....SECURE
Airspeed.....80 MPH
Transponder.....7700
Radio 121.5 or local...**MAYDAY***
Mixture.....IDLE CUTOFF
Ignition.....OFF
Fuel Selector.....OFF
Master.....OFF
Flaps.....AS REQUIRED
Doors.....UNLATCH
Touchdown.....TAIL LOW

****Position, # of people on board,
fuel remaining, nature of
emergency***

SPIN RECOVERY

Throttle.....IDLE
Ailerons.....NEUTRALIZE
Rudder.....FULL OPPOSITE
Yoke.....FULL FORWARD
Controls.....HOLD
Recover AS ROTATION STOPS

ENGINE FIRE IN FLIGHT

Fuel Selector.....OFF
Throttle.....CLOSED
Mixture.....IDLE CUTOFF
Ignition.....OFF
Fuel Pump.....OFF
Heater/Defroster/Air.....OFF
Airspeed.....INCREASE
Power OFF landing....EXECUTE

FIRE DURING ENGINE START

Cranking.....CONTINUE

****IF ENGINE STARTS****

Throttle.....1800 RPM
Mixture.....IDLE CUTOFF
Fuel Pump.....OFF
Fuel Selector.....OFF
Master.....OFF
Ignition.....OFF

SHUTDOWN AND INSPECT

****IF ENGINE FAILS TO START****

Cranking.....CONTINUE
Fire Extinguisher.....OBTAIN
Master.....OFF
Ignition.....OFF

ABANDON IF FIRE CONTINUES

ELECTRICAL FIRE

Master.....OFF
Vents.....OPEN
Heat/Cabin Air.....OFF
Fire Extinguisher.....ACTIVATE

***If fire is out and electrical is
necessary for flight***

Master.....ON
Circuit Breakers.....CHECK

DO NOT RESET!

Radios.....OFF
Radios.....ON, one at a time
Land...AS SOON AS PRACTICAL

**EXCESSIVE LOAD ON
ALTERNATOR**

Alternator.....ON
Battery Switch.....OFF
Non-Essential Equip.....OFF

****IF LOADS ARE NOT
REDUCED****

Alternator.....OFF
(pull 2 CB's labeled Generator)
Master Switch.....AS REQD.
Terminate flight as soon as
practical

ALTERNATOR FAILURE

Electrical Equipment.....OFF
Circuit Breakers.....
CHECK/RESET
Alternator Gauge.....CHECK
Electrical Equipment.....ON

IF NEEDLE RETURNS TO ZERO

Alternator.....OFF
(pull 2 CB's labeled Generator)
Non-Essential Equip.....OFF
Flight.....TERMINATE