

FLIGHT PLAN DESIGNATION IS "C172," Comm equipment is "SBGRY", Surveillance is "EB2" and Other information is "PBN/C2D2O2S1

## **EMERGENCY CONTACTS**

The following are Chesapeake Sport Pilot's emergency contact telephone numbers. We ask that you call the numbers in the order listed. In addition, please continue down the phone list until you reach someone. Please do not assume a voice message left on one of the numbers will be immediately received.

(240) 620-8926
(410) 349 7427
(410) 991-5514
(410) 490-0354
(410) 643-4364
(410) 212-2951
(443) 521-4281

#### **FUEL AND OIL INFO:**

Fuel Type: Avgas 100LL

N5264K Tanks – two tanks, 27.0 gal (25.0 useable) ea. N3HQ Tanks – two tanks, 21.5 gal (20.0 useable) ea.

Oil Type:

Phillips X/C Aviation 20W50 Quantity – 6.0 qts minimum

## V-Speeds and PERFORMANCE:

Note: All speeds in KIAS

Vr – 55 KIAS

Vx – 62 KIAS (flaps up)

57 KIAS (10° flaps)

Vy - 73 KIAS

Best Glide - 68 KIAS, Glide Ratio 9:1

Vne - 158 KIAS

Vno - 127 KIAS

Va - 105 KIAS

Vfe - 110 KIAS (flaps 10°)

85 KIAS (flaps >  $10^{\circ}$  to  $30^{\circ}$ , or  $40^{\circ}$  for N3HQ)

Vs<sub>1</sub> - 50 KIAS

Vso - 40 KIAS

Max cross wind – 15 kts

#### Maneuvers:

Steep turns – 60° max – entering speed - 95 KIAS Lazy 8's – 105 KIAS Chandelles – 105 KIAS

## **Dual Instruction/Flight Briefing**

## Pilot in Command

During flights with two rated pilots, the pilots will decide before the flight as to which pilot will act as Pilot In Command for the flight.

## Passenger Briefing

An appropriate passenger briefing will be given before the flight that covers the items in the STARTING area of the checklist.

### Positive Transfer of Controls

During each flight, one person will be controlling the plane at all times. It is critical that we know who this person is at all times. As such, when we transfer control of the plane we use a three-way call back such as:

Person 1: "You have the controls"
Person 2: "I have the controls"
Person 1: "You have the controls"

#### **Aborted Takeoff**

If we should lose directional control of the plane, or if there is a problem with the engine, or if anything else unusual should happen, we will abort the takeoff roll by simultaneously retarding the throttle and applying full brakes.

## **In-Flight Emergency**

During and in-flight emergency, the instructor will take control of the aircraft. Unless specified otherwise, the student will set the radio to 121.5 and the transponder to 7700. The student will also secure any loose equipment in the cockpit and his seatbelt prior to landing.

## Engine Failure Immediately After Takeoff

If we should we lose the engine immediately after take-off the instructor will pitch DOWN for 70 KIAS, make shallow turns right or left. The student should (as directed by the instructor):

Fuel Selector Valve: Off Mixture: Idle Cut-Off

Ignition: Off

Flaps: As directed Master Switch: Off

Off runway 29 - prepare for ditching

Do NOT attempt to return to runway unless you have successfully practiced return to landing

## **Ditching**

If we should have to ditch, instructor will fly the plane. Student should prop open his door with headset Student will set radio and transponder 121.5 and 7700, remove his glasses, and tighten his seatbelt. Be prepared to open the doors after hitting the water!

## Line Up and Wait (formerly Position and Hold)

Holding in the takeoff position on the runway at an uncontrolled field is not authorized.

### **Go-Arounds**

A go around will be initiated if the approach is not stable, the landing is in any way questionable, or the plane will land beyond the first 1/3 of the runway.

## Propeller Safety

At no time will anyone enter or exit the aircraft while the engine is running. Before starting the engine, the student will call "CLEAR" and both the student and instructor will look for people in the way. The key will be removed from the starter after the flight and during the pre-starting checks if people should approach the plane.

## **USEFUL FREQUENCIES:**

Emergency	121.5
Flight Service ("Leesburg Radio")	
(Open / Close Flight Plans)	122.2
SFRA (PALEO Gate)	132.775
"Potomac Approach"	
(for Flight Following)	124.55, 119.7

#### Battery Switch: PREFLIGHT INSPECTION: WARNING **CAUTION:** Fuel level indicated by the fuel quantity indicators (on the instrument panel) is only indicative. For Cabin Doors are large. Hinges and door stops can be flight safety, pilot should verify actual fuel damaged in strong winds. quantity visually in tanks before takeoff. ☐ Preparation: remove control lock, tie down ropes, **Left Wing** pitot tube cover, other plane protection ☐ Left Fuel Tank: CHECK with dip stick visually to verify fuel level and secure cap. items/covers □ Roll plane, back and forth to check all tires □ Left Tank Drain: Check ☐ Left leading edge, wing skin: CHECK Cabin: □ Pitot Tube: Unobstructed ☐ Hobbs: □ Stall Warning Opening: Unobstructed **RECORD** ☐ Fuel tank vent: CHECK for obstructions □ AROW (Airworthiness/Registration **DATE**/ □ Left aileron: CHECK for damage, freedom of Operating limitations/Weight and balance): movement (Do not touch trim tab) □ Left flap and hinges: CHECK security ONBOARD □ Weight and Balance: ☐ Left main landing gear: CHECK inflation 38 PSI, CHECK ☐ Control Lock: tire condition (roll plane to see all the tire), brake **RELEASE** ☐ Flight Controls: condition, hydraulic leaks, and wheel bearing for CHECK damage. Check for freedom of movement and proper direction ☐ Trim - Elevator (and Rudder N3HQ): Takeoff **Fuselage** Baggage Door: ☐ Fire Extinguisher: Green Band & SECURE ☐ Fuel Selector Valve: **BOTH CLOSED** □ Parking Brake: SET Antennas: □ Ignition Switch: **OFF** Static Ports (N5264K, L & R): □ Avionics Master N5264K **OFF** (Com/Nav 2, N3HQ): **OFF** □ Circuit Breakers **CHECK IN** Tail: ☐ Battery Half of Master Switch: ON Horizontal Stabilizer. Elevator and Elevator Trim □ Low Voltage Light N5264K: ON Tab: CHECK for damage, freedom of movement, (Hi Voltage Light N3HQ): side-to-side wiggle ON **DOWN** □ Vertical Stabilizer and Rudder: CHECK for ☐ Flaps: Visually check that flaps extend and position damage, freedom of movement indication is correct. □ Landing Light, Taxi Light, Nav Lights, Beacon Light, (Strobe Lights N5264K): Check ON, then OFF (except for Beacon)

**CHECK** 

**OFF** 

**CHECK** 

CHECK

Fuel Tank Levels:

Right	Wing:		STAR	TING:	
	Right flap and hinges: CHEC	K security		Seat position and safety belts	s: ADJUST /
	Right aileron: CHECK for dar			TIGHT	
	movement		Er	nsure Seat is locked into trac	k and will not slide
	Right leading edge, wing skir	: CHECK	af	t.	
	Right main landing gear: CHI			Parking brake:	SET
	tire condition (roll plane to se			Passenger Briefing	
	condition, hydraulic leaks, an			<ul> <li>Seat Belt use</li> </ul>	
	damage.	<b>G</b>		<ul> <li>Door Release</li> </ul>	
	Right Tank Drain: Check			<ul> <li>Emergency Equipment</li> </ul>	nt
	Right Fuel Tank: CHECK visi	ually with dipstick for		<ul> <li>Motion Sickness</li> </ul>	
	desired fuel level and secure	cap.		<ul> <li>Sterile Cockpit</li> </ul>	
				<ul> <li>Propeller Safety</li> </ul>	
Nose:				<ul> <li>Cockpit Resource Ma</li> </ul>	nagement Briefing
	Oil Quantity (6 qts min):	CHECK		(CRM)	
	Fuel Strainer Drain:	CHECK		Beacon light:	ON
	Exhaust Pipe:	SECURE		Fuel selector:	BOTH
	Engine Cowling and Screws:			Master Switch:	ON
	Nose wheel strut and tire:	CHECK		Fuel quantity:	CHECK
	inflation 45 PSI, tire condition	•		NOTE	
	the tire), strut for extension, a	and wheel bearing for		mpare the fuel levels read by	
	damage.		inc	licators with the quantity pre	esent in the tanks.
	Propeller and spinner condition				
	Check prop for nicks and sp			Mixture:	RICH
	Cooling Air Inlets:	CHECK		Throttle:	½ Inch Oper
	Air Filter:	Unobstructed		Friction lock:	ADJUST
		ension and Condition		Carb Heat:	OFF
	Static Port:	CHECK		Prime: 2-6 strokes for cold en	
	Foreign Objects or Leaks (oil		_	<b>O</b> ,	PRIMER LOCKED
	Tow bar, chocks if any:	REMOVE		Propeller area:	"CLEAR"
				Ignition Switch:	START
				Engine RPM:	1000 RPM
				Oil pressure:	CHECK
			I£ _:	WARNING	n 40 aaaamala ahuut
			IT OI	I pressure doesn't rise within	
			_	down engine.	
			Ц	Avionics Master N5264K	ON
				(Com/Nav 2, N3HQ):	ON UP
				Flaps:	CHECK
				Circuit Breakers:	CHECK

☐ Mixture:

Lean for taxi

PRE-T	AXI:		HOLD	SHORT LINE		
				Flaps: UP No	ormal T/O, 10°	Short T/O
	Transponder (Check Code)	ALT		Trim: Elevate	or-T/O (Rudder	-T/O N3HQ)
	AWOS / ASOS / ATIS:	OBTAIN		Takeoff Brief: Comp	olete	
	Altimeter:	SET		Strobe, Landing, Taxi	i, Nav Lights:	ON
	Attitude Indicator:	CHECK		Transponder:		ALT
	Directional Gyro:	SET		Doors & Windows		CLOSED
	GPS:	SET		Pattern:		CHECK
	Radio: CHECK WITH UNIO	COM		Radio:		CALL
<b>-</b> 4 3/1				Parking brake:		OFF
TAXI:	Doulcing Duolco.	OFF	TA1/5	000		
	Parking Brake:	OFF	TAKE		0/D0-	OUEOK
	Brakes: Turn Coordinator / Ball,	CHECK		Taxi to line-up, Mag (	Compass/DG:	CHECK
	•	.000		Throttle:		FULL
	Directional Gyro, Mag Comp and Attitude Indicator	CHECK		Engine instruments:		•
	and Attitude indicator	CHECK		Airspeed indicator ali Vr (Rotation speed):		II NOLADOR
REFO	RE TAKEOFF:		Ц		~ 33 KIAS NOTE	
	Parking Brake:	ON	R	otate to takeoff attitud		ate to a climb
_	•	RICH				
	Mixture:	RIUT	e			
	Mixture: Throttle:	_	S	peed of 73 KIAS (Flag	ps up). 37 KIA	o (10 maps.)
	Throttle:	1700 RPM			ps op). 37 KIAS	o (10 Haps.)
	Throttle: Engine instruments:	1700 RPM	CLIMI	3:		
	Throttle: Engine instruments: • Ammeter:	1700 RPM Positive Charge		<b>3:</b> Flaps:		UP
	Throttle: Engine instruments: • Ammeter: • Oil pressure:	1700 RPM  Positive Charge 60-90 psi	CLIMI	<b>3:</b> Flaps: Establish Vy clean:		UP 73 KIAS
	Throttle: Engine instruments:	1700 RPM Positive Charge	CLIMI	B: Flaps: Establish Vy clean: Trim:		UP 73 KIAS ADJUST
	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F	CLIMI	<b>3:</b> Flaps: Establish Vy clean:		UP 73 KIAS
	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both):	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:		UP 73 KIAS ADJUST
	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both):	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:		UP 73 KIAS ADJUST 75-85 KIAS
	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both): bly one ignition: 125	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:		UP 73 KIAS ADJUST 75-85 KIAS
	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both): bly one ignition: 125	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:  SE: Power:	SET 75% Pow	UP 73 KIAS ADJUST 75-85 KIAS
•	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both): ly one ignition: 125  FT and RIGHT: 50 rpm	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:  BE: Power: Mixture:	SET 75% Pow Lean SET	UP 73 KIAS ADJUST 75-85 KIAS
•	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both): bly one ignition: 125  FT and RIGHT: 50 rpm CK OPERATION (check for roughness)	CLIMI	Flaps: Establish Vy clean: Trim: Cruise climb:  SE: Power: Mixture: DG:	SET 75% Pow Lean SET CHECK	UP 73 KIAS ADJUST 75-85 KIAS
•	Throttle: Engine instruments:	1700 RPM  Positive Charge 60-90 psi <245 °F  Both, Right, Both): bly one ignition: 125  FT and RIGHT: 50 rpm CK OPERATION (check for roughness)	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:  SE: Power: Mixture: DG: Engine instruments:	SET 75% Pow Lean SET CHECK	UP 73 KIAS ADJUST 75-85 KIAS er or less
•	Throttle: Engine instruments:	Positive Charge 60-90 psi <245 °F  Both, Right, Both): By one ignition: 125  FT and RIGHT: 50 rpm CK OPERATION Check for roughness) RPM	CLIMI	B: Flaps: Establish Vy clean: Trim: Cruise climb:  SE: Power: Mixture: DG: Engine instruments: • Ammeter:	SET 75% Pow Lean SET CHECK Positive 60-90 p	UP 73 KIAS ADJUST 75-85 KIAS er or less e Charge

# **CAUTION**

Normal position of the fuel selector is both. Check fuel balance. If necessary for fuel balance, Left or Right tank may be selected.

PRE-N	MANEUVERS LIST: Clearing Turns Select emergency lar Va – 105 KIAS	nding ar	ea	□ □ PARK		T/O Lean for taxi	
					CAUTION:		
	ENT: DG: Mixture: Power: Carb Heat:		QUIRED QUIRED,	dama	Doors are large. Hinge ged in strong winds.  Parking Brake:	es and doorstops can be	<b>)</b>
Ш	Carb Heat.	AS NE	QUINED,		All Lights except Beaco		
LAND	ING:				Flaps:	UP	
	eck safety belts tight	<u> </u>			Avionics Master N5264		
	Landing Light: ON				(Com/Nav 2, N3HQ		
	Brakes: Check Pres	sure, Pa	arking Brake Off		Mixture: Ignition Switch:	IDLE CUT-OFF OFF	
	Fuel Selector Valve:				Master Switch:	OFF	
	Carb Heat:	ON			Fuel Selector Valve:	LEFT or RIGHT	
	Mixture:	RICH	CIDED	LICE T	OW DAD to De Docition	. A!	
	Flaps:	AS DE	SIRED	<u>USE 1</u>	OW BAR to Re-Position	n Airpiane.	
	Approach Speed: 75 KIAS	Flaps	In	Got A	ecictanco to movo airnl	ane into tie-down spot o	۱r
	70 KIAS	10° Fla	-		ar, if necessary.	ane into tie-down spot t	"
	65 KIAS	20° Fla	•	nanga	ii, ii iicocssai y.		
	65 KIAS	30° Fla	•		Hobbs and Tach Times	- Record	
	03 NAO	50 116	<b>1</b> P3		Trash – Remove		
GO-A	ROUND:				Chocks:	INSTALL	
	Throttle:		FULL POWER		Parking brake: OFF (f	or extended parking)	
	Carb Heat:		OFF		Pitot tube cover:	INSTALL	
	Pitch:		Climb Attitude		Inlet Covers:	INSTALL	
	Flaps: Retract to 10 c	legrees	: 60 KIAS		Control lock:	INSTALL	
	Then, above 400 fee				Aircraft:	TIED DOWN	
	Flaps: Up, Climb Spe	ed:	73 KIAS		Checklist in airplane	01.0050	
	Trim:		Adjust		Doors & Windows:	CLOSED	
	Stay to right of runwa	У			Key Returned to Box.		
V E.L.	R LANDING:						
	Clear Runway:		RADIO CALL				
	Landing, Taxi & Strok	ne I ts:	OFF				
	Carb Heat:	, c Lto.	OFF				
	Flaps:		UP				

# **CLOSED PATTERN OPS CHECK LISTS**

SHORT LINE Engine Instruments: Fuel Quantity Mixture Flaps: Trim: Fuel Valve: Doors/windows Takeoff Brief: Pattern: Radio:	CHECK CHECK RICH As Required Centered BOTH CLOSED REVIEW CHECK CALL
Rotate Accelerate Flaps: Establish Vy clean: Trim:	55 KIAS 73 KIAS RETRACT as necessary 73 KIAS ADJUST
ING: eck safety belts tight Landing light: Fuel Selector Valve: Carb Heat: Mixture: Flaps:	ON
R LANDING: Clear Runway: Carb Heat: Flaps: Trim:	RADIO CALL OFF UP CENTERED

## **EMERGENCY PROCEDURES:**

#### **ENGINE FIRE DURING START ON GROUND** CONTINUE □ Cranking: □ Power (If engine starts): 1700 RPM for a few minutes **IDLE** ☐ Throttle: **IDLE CUT-OFF** ☐ Mixture: □ Ignition Switch: **OFF** ☐ Master switch: OFF If Engine Does Not Start: □ Throttle: FULL OPEN **IDLE CUT-OFF** ☐ Mixture: □ Cranking: CONTINUE □ Ignition: OFF ☐ Master: OFF □ Fuel Selector Valve: OFF SET □ Parking brake: ☐ Escape rapidly from the aircraft **ENGINE FAILURE DURING TAKEOFF RUN** ☐ Throttle: **IDLE** □ Brakes: **APPLY AS NEEDED** □ Flaps: UP ☐ Mixture: **IDLE CUT-OFF** ☐ Ignition Switch: **OFF** ☐ Master switch: **OFF ENGINE FIRE DURING TAKEOFF RUN** ☐ Throttle: **IDLE AS NEEDED** □ Brakes: □ Fuel Selector Valve: OFF □ Cabin heating: **OFF IDLE CUT-OFF** ☐ Mixture: ☐ Ignition Switch: **OFF** ☐ Master switch: **OFF** □ Parking brake: **SET** □ Escape rapidly from the aircraft

_	_	ATELY AFTER TAKEOFF
	NOSE DOWN!	
	Airspeed:	70 KIAS
		on the ground to land safely.
		e planned straight ahead with
		direction not exceeding 45°
	to the left or 45° to the	e right
		IDLE CUT-OFF
	Fuel Selector Valve:	
	Ignition Switch:	OFF
		AS DESIRED
	Master switch:	OFF
ENGI	NE FAILURE IN FLIGH	
	Airspeed:	68 KIAS
		DTE
		erefore with 1000 ft of
		le to cover 1.5 nautical
	miles in zero wind c	
	Best Field:	SELECT
	IN ELICUT ENGINE	DECTARE
	IN-FLIGHT ENGINE	_
	-IF TIME PER	
		BOTH ON
		RICH
		BOTH
	Ignition: Primer:	LOCKED
		MIDDLE POSITION
		ON
		ion: START, then BOTH
	If the restart fails: Pro	
	Landing Without Engi	ine Power: APPLY

☐ If engine starts: Land as soon as possible.

<b>FORC</b>	<b>ED LANDING WITHO</b>	UT ENGINE POWER	ELEC1	TRICAL FIRE IN CABIN IN FLIGH	Т
	Airspeed:	68 KIAS			
	Locate suitable terra	ain, land into wind		Master switch:	OFF
	Radio / Transponder:	121.5 / 7700		Cabin vents:	OPEN
	Mixture:	IDLE CUT-OFF		Fire Extinguisher:	ACTIVATE
	Fuel Selector Valve:	OFF		Avionics Master N5264K	OFF
	Ignition Switch:	OFF		(Com/Nav 2, N3HQ):	OFF
	Flaps:	AS REQUIRED		All Other Switches, except Ignition	<u>ı:</u> OFF
	Master switch:	OFF		Emergency descent and Procedu	e for a Power-
	Safety belts:	TIGHTEN		On Forced Landing.	
	Doors: UNLA	TCHED / PROP OPEN		If flaps needed, Master switch:	ON
	ELT:	Activate near ground		Flaps: AS REQ	UIRED
				Master switch:	OFF
DITCH	IING		If fi	ire appears out and electrical powe	r is necessary
	Seats belts:	TIGHTEN	for	continued flight:	
	MAYDAY	121.5 / 7700		Master Switch:	ON
	With Power			Circuit Breakers:	
	Approach: High W	/inds: Into Wind		CHECK for faulty circuit, d	o not reset
	Light Winds, heavy	swells: Parallel to Swells		Radio Switches:	OFF
	Flaps:	20° - 30°		Avionics Master N5264K:	ON
	Power: 300 ft/min des	scent at 55 KIAS		Radio / Electrical Switches:	ON, one at a
	Without Power			time with delay after each until she	ort circuit is
	70 KIAS Flaps Up or	65 KIAS Flaps 10°		localized	
	Mixture:	IDLE CUT-OFF		Vents / Cabin Air / Heat	OPEN, if fire
	Ignition:	OFF		completely extinguished	
	Master switch:	OFF			
	Doors:	PROP OPEN	CABIN	I FIRE DURING FLIGHT	
	Ditch with nose high a	attitude		Master Switch:	OFF
				Vents / Cabin Air / Heat	CLOSED
ENGIN	IE FIRE IN-FLIGHT			Fire Extinguisher:	ACTIVATE
	Mixture:	IDLE CUT-OFF		Emergency descent and Procedu	re for a Power-
	Fuel Selector Valve:			On Forced Landing.	
	Master Switch:	OFF		If flaps needed, Master switch:	ON
	Cabin Heat & Air:	OFF		Flaps: AS REQ	
		or Higher to Extinguish Fire		Master switch:	OFF
		ames away from firewall			
	t attempt an in-flight re				
Proce	dure for a Forced Lar	nding Without Engine			

#### (Full Scale Deflection) □ Landing Area: **SELECT** Flyover at 70 KIAS with 20° Flaps, noting terrain Alternator Half of Master Switch: **OFF** and obstructions Alternator Circuit Breaker: **PULL** □ Safety belts: **TIGHTEN** Non-Essential Elec. Equip: OFF Landing assured: Land: As soon as ☐ Flaps: $30^{\circ}$ practical. ☐ Airspeed: 65 KIAS all electrical equipment powered only by battery Doors: UNLATCH **LOW VOLTAGE LIGHT ON (N5264K)** Touchdown: Slightly Tail Low (Ammeter Indicates Discharge) □ Brakes: APPLY **IDLE CUT-OFF** □ Avionics Master Switch: OFF ☐ Mixture: Ignition Switch: **OFF** □ Alternator Circuit Breaker: CHECK IN Master Switch: OFF ☐ Master Switch (both sides): OFF □ Low Voltage Light: **CHECK OFF IRREGULAR ENGINE RPM** □ Avionics Master Switch: ON If Low Voltage Light illuminates again: ☐ Throttle: CHECK □ Mixture: □ Alternator: **OFF ADJUST** □ Carb Heat: □ Non-essential Radio and Elec Equip:OFF ON ☐ Engine gauges: **CHECK** □ Land as soon as practical ☐ Fuel quantity indicators: Battery life is limited CHECK □ Fuel Selector Valve: BOTH If the engine continues to run irregularly, HI VOLTAGE LIGHT ON (N3HQ) land as soon as possible. ☐ Master Switch: OFF, then ON ☐ If light goes out, continue flight. ☐ If light comes back on, turn off all unnecessary **LOW OIL PRESSURE** electrical equipment, and land as soon as □ Oil temperature: **CHECK** ☐ If oil temperature is stable practical. within the green arc: Battery life is limited. LAND as soon as possible ☐ If oil temp. increasing: LAND as soon as possible LANDING WITH A FLAT MAIN TIRE and be alert for impending engine failure ☐ Make radio call to UNICOM and inbound traffic about closed runway **NORMAL** ☐ Approach: ☐ Touchdown on good tire first, hold airplane off flat tire as long as possible Push plane off runway

AMMETER SHOWS EXCESSIVE RATE OF CHARGE

PRECAUTIONARY LANDING WITH ENGINE POWER

Citiiti	ENTIONAL FLIGHT INTO ICING CONDITIONS
	Get away from icing conditions by changing
	altitude or direction of flight in order to reach an
	area with warmer external temperature.
	Pitot Heat: ON
	Carb Heat: ON
	Increase Power to avoid ice formation on propeller
	blades.
	Cabin Heat and Defrost: ON
	Land as soon as practical
	Do NOT use flaps
	WARNING
	In case of ice formation on wing leading edge,
	stall speed may increase.
	NOTE
	It may be necessary to slip the plane on
	landing to see out.
RECO	VERY FROM UNINTENTIONAL SPIN
RECO	VERY FROM UNINTENTIONAL SPIN Reduce the power to idle
	Reduce the power to idle
	Reduce the power to idle Position the ailerons to neutral
	Reduce the power to idle
	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation.
	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction
	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion
	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder.
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	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder.
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	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder. As rotation stops, neutralize rudder, and make a smooth recovery from the resulting dive.
LOST	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder. As rotation stops, neutralize rudder, and make a smooth recovery from the resulting dive.  PROCEDURES
LOST	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder. As rotation stops, neutralize rudder, and make a smooth recovery from the resulting dive.  PROCEDURES Climb and Circle to better see prominent
LOST	Reduce the power to idle Position the ailerons to neutral Apply full opposite rudder opposite to the direction of rotation. After one-fourth turn, move the control wheel forward of neutral in a brisk motion After spin rotation stops, neutralize the rudder. As rotation stops, neutralize rudder, and make a smooth recovery from the resulting dive.  PROCEDURES Climb and Circle to better see prominent landmarks Conserve fuel