

Preflight Check <span>1</span>	
Documents	On Board.
<i>Airworthness, Registration, Journey Log, Insurance, POH, W&amp;B, Emergency Chklist.</i>	
Fire Ext	Secured & Not discharged.
First Aid Kit	On Board.
Controls	Free of motion and Correct.
Fuel Selector	Off then Desired Tank.
Clock	Local Time and Functional.
Compass	Check for any leak & compass card present.
Avionics Master/Electrical Switches/ Heater & Froster /Fan-Air/Alt Air	
ELT	Switch is armed position.
<i>Do not turn on unless it is emergency.</i>	
Circuit Breakers	In.
Mixture	Idle Cut Off.
Propeller	Full Forward.
Manifold	Closed ( <i>All the way down</i> ).
Gear Handle	Down Position.
Mags	Left and Right Switch off.
Flaps	Easily move all the position, then extend fully.
Trim	Check & Set.
Emergency Gear Lever	Up Position.
<i>If it is down, not be able to retract.</i>	
Battery Master	Turn On.
Hubbs Time	Noted.
Fuel Gauges	Check adquate fuel.
3 Gear Green Lights	Lit Up.
<i>If Panel lights are on, this will be dim</i>	
Annunciator ( <i>Alternator &amp; Oil</i> )	ON.
External Lights / Pitot Tube:	
➤ Turn on / Check Visually / Intact	
➤ Check – Pitot Tube Warms up.	
➤ Check for Stall Warning Horn & Free of motion.	
Electrical Switches	Off.

External Surface Check:	
All Tie/ Cowl & Pitot Cover	Removed.
Right Flaps	Checked.

<i>Actuating arm &amp; bonding strap – free of motion.</i>	
Right Aleron	Checked.
<i>Actuating arm – free of motion.</i>	
Right Wing Tip/ Bulb/surface.	Checked.
Right / Left Windows	Cleaned.
Right/Left Engine Cowl Latches	Locked.
Right side fresh air intake	Free from any obstruction.
Left side small hole by cylinder #2	Check for any debris.
Propeller	No damage & Screws Intact.
Alternator Belt	Check for Tension.
Landing Light	Properly in-place.
Left side Temp Probe	Free & Attached.
Right Wing Tip/ Bulb/surface.	Checked.
Left Aleron	Checked.
Left Flaps	Checked.
Top Antenna – GPS, COM1, COM2, ELT.	
LEFT & Right Stabilator	Intact, free of motion, Tail Cone bolt in place
<i>Give a little tug to ensure Intact.</i>	
Rudder	Slight Free of motion ( <i>No push</i> )
Fuel	Check Cap Cascade, Qty, Drained.
<i>Fuel Drain Check for any contamination / water. Fuel should be blue.</i>	
Oil Quantity	Check for 6 – 8 qt.
Oil Dip Stick	Black Rubber Cascade.

External Underneath Check:	
Exhaust	Attached & Intact.
Fuel Vent	Clear of any Obstruction.
Gear Assembly.	
➤ Tire Inflated. Nose 27   Main 30PSI	
➤ Tire thread good.	
➤ Oleo Strut – Should be 2.75” ±0.25” (3 finger space).	
➤ Nose Struct – 2.50” ±0.25”	
➤ Brake Calibour – no red fluid leak.	
➤ Gear door – properly attached to the aircraft.	
➤ Down Lock Switch – making contact with down lock hook. No bent.	

➤ Up Limit switch – should be stright & No bent.	
➤ Under Left Wing – Oil Breacher	Check for any debris.
Next to the Oil Breather.	
➤ Tube to vent fuel from engine driven fuel pump when excessive pressure.	
➤ Tube to vent fuel from electric boot pump.	
➤ Vent from intake system of the aircraft – Over prime situation, eninge properly not shutdown, fuel will leak through sniffer valve out through this valve.	
Lower Service GPS Antenna	Ensure not thick coding of oil.
Battery Vents	Free from Obstruction.
Baggage Door	Closed.

Pre Start:	
Passengers	Briefed.
Seats Belts	Fastened.
Loose Objects	Secured.
Flaps	Up.
Fuel Selector	Lowest Tank.
Doors	Secured.
Brakes	Set.
★ <i>Note: Cranking period – 10 sec. with 20 sec. rest between attempts. Max attempts 6. If no start, cool for 30 minutes.</i>	

Starting Engine – Cold:	
Prop Area	Clear.
Manifold	½ Inch Open.
Propeller	Full Fine.
Battery Master / Fuel Pump	ON.
Mixture	Prime ( <i>Mixture full rich for 3 seconds</i> ) then ICO.
Mags - Keep Right OFF position and Left ON position	Push the button to start, Once started ON the right Button.
When engine engages - Mixture full rich.	

Engine Start – Hot:	
Prop Area	Clear.
Manifold	½ Inch.
Propeller	Full Fine.
Mixture	Idle Cut-Off.
Battery Master / Fuel Pump	ON.
Mags - Keep Right OFF position and Left ON position	Push the button to start, Once started ON the right Button.
When Engine Start	Mixture Full Rich.

Engine Start – Flooded:	
Prop Area	Clear.
Manifold	Open Full.
Battery Master / Fuel Pump	ON.
Fuel Pump	Off.
Mixture	Idle cut-off.
Mags - Keep Right OFF position and Left ON position	Push the button to start, Once started ON the right Button.
Mixture	Mixture Full Advance.
Manifold	Retard.
Mixture	Lean.

After Start:	
Oil Pressure	Green ( <i>in 30 Sec</i> ).
<i>If not Green stop the engine and trouble shoot.</i>	
Warm-up	1400 -1500 rpm. ( <i>Avoid prolonged idling at low rpm</i> ).
Ammeter	Check Charging.
Fuel Pump	Off.
Start Up Time	Noted.
Avionics Master	ON.
Beacon / Nav Light ( <i>same switch</i> )	ON.
Transponder	Standby.
Radio / Instruments / Nav Aids	Set.
<i>Ensure Oil Temp in Green before Taxi.</i>	
Rolling Break Test	Checked.
Instruments	Taxi Test.
ATIS	Obtain.
Taxi Clearance for run-up	Obtain.

**Run Up:** 3

Area · Clear / Into Wind / Wheel Straight.

Brakes ······ ON.

Fuel Selector ······ Switch.

Throttle ······ 1000 rpm.

Temp/Pressure ······ Check in green.

Mags ···· Check (Max 172/50 Difference – At low rpm, the difference might be larger than at high RPM).

Mixture ······ Rich.

Propeller ······ Full Fine.

Throttle ······ 2000 rpm.

Temp / Pressure ······ Check in Green.

Mags ···· Check (Max 172/50 Difference).

Mixture · Bring down until manifold drops, then go back where it was before.

★ Propeller Cycle: *Do not go lower than 1500 rpm.*

Prop lever down slowly & check:

→ Increase in Manifold & Dropping rpm.

→ Oil pressure – should be a drop.

→ No sign of oil sprayed on the windshield.

Alternate Air ······ Check - Closed.

Alternator ··· Check Charging by on/off.

Throttle ······ Idle.

Throttle ······ 1000 rpm.

**Call GRN:118.4 For Taxi Clearance**

CRUSING – Ref POH 5-19							
PA FT	Std Temp C°	65%				75%	
		RPM 2100	RPM 2200	RPM 2400	RPM 2500	RPM 2400	RPM 2500
SL	15	25.9	26.1	22.9	24.1	25.5	26.3
1k	13	25.6	25.8	22.7	23.7	25.2	26.0
2k	11	25.4	25.4	22.5	23.4	25.0	25.6
3k	9	25.1	25.1	22.2	23.1	24.7	25.3
4k	7	24.8	24.7	22.0	22.8	24.4	24.9
5k	5	F.T	24.3	21.7	22.4	F.T	24.6
6k	3		24.0	21.5	22.1		24.3
7k	1		23.6	21.3	21.8		F.T
8k	-1		F.T	21.0	21.5		
9k	-3			F.T	21.1		
10	-5				F.T		

#### Before Take-Off:

Take off Distance (grn roll) ······ 1025 ft.

TOGO → HDG:Runway → Set Altitude

→Desired → IAS:76KT

Master, Fuel Pump, Landing, Strobe Light,

Pitot Heat (as Required) ······ ON.

Transponder ······ Alt.

Instruments / Radio ······ Set.

Fan - AC ······ Off.

Mixture ······ Rich.

Propeller ······ Fine.

Trim ······ Set.

Flaps ······ As Required.

Controls ······ Free.

Door ······ Latched (top and bottom).

Take-off Pilot Briefing ······ Complete.

Take off Time ······ Noted.

**Call TWR:120.1 For take-off Clearancen**

**Take Off: (Max Weight Take off – 2750 lbs).**

Windsock ··· Check Direction (left/right).

Heading Indicator ··· Confirm Runway.

Manifold Pressure ······ Full.

Accelerate → 65-75 KIAS → Airspeed

Positive → GO/NO GO → If GO → Rotate.

Pitch ··· 76 (Vy – Gear Down & Flaps Up).

#### When Altitude Positive Rate:

→ Tap on the brakes to stop the wheel spinning. & Gear Up.

→ Manifold ······ 25 Inch.

→ Propeller ······ 2500 rpm.

→ Temps/Pressure ······ Green.

→ Landing/Strobe Light ······ Off.

**Once reached 87KIAS: Hit: IAS, Nav, AP**

#### Climb: (APT: Attitude, Power, Trim)

Fuel Pump ······ On.

Temps/Pressure ······ Check.

★ Vy – Best Rate of Claim.

→ Gear up, Flaps up ······ 87 KIAS.

→ Gerar Down / Flaps up ··· 76 KIAS.

★ Vx – Best Angle of Claim.

→ Gear Up, Flaps Up ······ 77 KIAS.

→ Gear Down / Flaps up ····· 70 KIAS.

Fuel Pump ······ Off at altitude reached.

**Decent: (PAT: Power Attitude, Trim)**

Fuel Pump ······ ON.

Throttle ······ Reduce.

**Cruise:**

**NAV, AP, FD, IAS ······ ON**

Normal max power - 75% Set (24"/2400).

Temps/Pressure ······ Check.

Mixture ······ Lean.

Switch Fuel Selector every 30 minutes:

→ Fuel Pump On → Switch Tank → Engine Running → Fuel Pump Off.

Flight Instruments ······ Check.

Check Cylinders:

→ CHT ······ In Green (Under 350°F).

→ EGT ··· In Green (1200°F to 1650°F)

→ Outside Air Temp · Check For Icing.

#### Pre-Landing:

Landing Distance (grn roll) ······ 615ft.

Weather/ATIS ······ Obtained.

Altimeter ······ Set.

Temps / Pressure ······ Green.

Seat Belt ······ Fasten.

Passenger Briefing ······ Complete.

**Call TWR 120.1: e.g. at Port Perry**

#### Down Wind:

Manifold Pressure ······ 20 – 22 Inch.

Propeller ······ 2400 rpm.

Mixture ······ Rich.

**Gear ······ Down ≤ 130 KIAS & 3 Green**

**Ensure Panel Lights off for Gear Indication**

Flaps ······ 10° - Air speed ≤108 KIAS.

Trim ······ Set.

Brakes ······ Check/Feet Clear.

Mags ······ Both.

Master, Fuel Pump, Landing Light · ON.

Fuel Selector ······ Fullest Tank.

Temp /Pressure ······ Green.

Seats Belt ······ Fastened.

Air – AC ······ Off.

**Base:**

Manifold Pressure ······ 15 Inch.

Flaps ······ 20° - speed ≤108 KIAS.

**Gear ······ Check for Down & 3 Green**

**On Final: (Max Landing – 2750 lbs)**

Flaps ······ Full / Desired.

**Landing Approach – Flaps 40° ··· 74 KIAS.**

#### GUMPSS CHECKS:

→ Gas (Fuel) ··· Switch to Fullest Tank(Fuel Pump is already ON).

→ Gear Down & 3 Green lights on.

→ Mixture ······ Full Rich.

→ Propeller ······ Full Fine.

→ Switches (Landing Light) -As required.

→ Windsock - Wind from Left or Right.

**Landing Clearance ······ Yes**

**Overshoot: (PAT: Power, Attitude, Trim)**

Props ······ Fine.

Mixture ······ Rich.

Throttle ······ Full.

Positive Climb. Flaps up ··· in states.

#### Missed Approach:

Set ······ Missed Approach Altitude

**TOGO → Full Power → Flaps Up → NAV**

#### After Landing:

Throttle ······ 1000 RPM.

Propeller ······ Full Fine.

Mixture ······ Lean.

Fuel Pump ······ Off.

Transponder ······ Standby.

Lights (Taxi Light) ······ As Required.

Flaps ······ Retracted fully.

Landing Time ······ Noted.

Flight Plan ······ Closed.

**Call GRN 118.4: Taxi to T2 Hangar**

#### Shutdown:

Fuel Pump / Lights / Air - AC ····· Off.

Avionics Master ······ Off.

Throttle ······ Idle.

Ignition ······ Live Mag Check.

Throttle ······ 1000 rpm.

Mixture ······ ICO.

Master / Mags ······ Off.

<b>EMERGENCY PROCEDURES:</b>	<b>Engine Failure - Power Off Landing:</b>	<b>Engine Fire:</b>	<b>Propeller Overspeed:</b>
	Trim . . . . . Set to 79 KIAS.	Fuel Selector . . . . . Off.	Throttle . . . . . Retard.
<b>Engine Fire During Start:</b>	Suitable Field & Establish Spiral pattern	Throttle . . . . . Closed.	Oil Pressure . . . . . Check.
Mags . . . . . Crank Engine.	1000 ft. above field at downwind.	Mixture . . . . . Idle cut-off.	Prop Control . . . . Full DECREASE rpm,
Mixture . . . . . Idle cut off.	Position for normal landing approach.	Fuel Pump . . . . . Off.	then set if any control available.
Throttle . . . . . Open.	When field can easily be reached slow to	Heater / Air - AC . . . . . Off.	Airspeed . . . . . REDUCE.
Fuel Selector . . . . . Off.	72 KIAS for shortest landing.	<b>Proced with power off landing</b>	Throttle . . as required to remain below
Abandon if fire continues.	<b>★Gear Down Emergency Landing</b>		2700 rpm.
	→ Touchdowns should normally be made	<b>Loss of oil Pressure:</b>	
<b>Engine Power Loss During Take Off:</b>	at lowest possible airspeed with full	Land as soon as possible and investigate	<b>Emergency Landing Gear Extension:</b>
If Sufficient runway → Leave Gear Down →	flaps.	casuse.	<b>Prior to emergency extension procedure:</b>
Normal landing stright head.	<b>★When committed to landing:</b>	Prepare for POWER OFF landing.	Master (Bat & Alt) Switch . . . . . ON.
<b>★ Area ahead is rough, or obstructions:</b>	→ Landing Gear . . . . . Down.	<b>Loss of Fuel Pressure:</b>	Circuit Breaker . . . . . Check.
→ Gear . . . . Up.	→ Throttle . . . . . Close.	Fuel Pump . . . . . ON.	Panel Lights . . . . . OFF (in daytime).
→ Emergency Gear Lever - Locked in	→ Mixture . . . . . Idle cut-off	Fuel Selector . . . . Check on full tank.	Gear Indicator bulbs . . . . . Check.
OVERVERRIDE ENGAGED Position.	→ Mags . . . . . Off.		<b>★ If landing gear NOT DOWN and lock:</b>
<b>★ If sufficient altitude has been gained</b>	→ Master Switch . . . . . Off.	<b>High Oil Temperature:</b>	Airespeed . . . . Reduce below 87 KIAS
<b>to attempt to restart:</b>	→ Fuel Selector . . . . . Off.	Land at nearest airport and investigate	Landing Gear Selector Switch . . . . Gear
→ Maintain safe airspeed.	→ Seat Belt . . . . . Fastened.	the problem.	DOWN position.
→ Fuel Pump . . . . . ON.		Prepare for POWER OFF landing.	→ Failed to lock down: <b>Move and hold</b>
→ Fuel Selector . Switch to fullest tank.	<b>Gear Up Emergency Landing:</b>		Emergency Lever down.
→ Mixture . . . . . Check Rich.	<b>★In the event a gear up landing is</b>	<b>Alternator Failure:</b>	→ Still not lock down - slow to the lowest
→ Alternator Air . . . . . OPEN.	<b>required, proceed as follows:</b>	<b>Verify Failure:</b>	safe speed
→ Emergency Gear Level . . As Required.	Flaps . . . . . as desired.	Reduce electricial load as much as	→ Gear not lock down: Recycle thru Gear
<b>If power is not regained, proceed with</b>	Throttle . . . . . Idle cut-off.	possible.	up, then down.
<b>power off landing.</b>	Mixture . . . . . Off.	Alternator circuit breakers . . . CHECK.	Battery not charged / weak: Emgergecy
	Mags . . . . . Off.	Alt Switch . . . OFF for 1 second the ON.	Gear Down.
<b>Engine Power Loss In Flight:</b>	Fuel Selector . . . . . Off.	If no output:	
Fuel Pump . . . . . ON.	Seat Belt . . . . . Fastened.	All Switch . . . . . Off.	<b>SPIN Recovery:</b>
Fuel Selector . . . Switch to fullest tank.	Contact surface at minimum possible	<b>Reduce electrical load as soon as</b>	Rudder . . . . . full opposite direction of
Mixture . . . . . Check Rich.	airspeed.	<b>practical.</b>	rotation.
Alternate Air . . . . . Open.		If the battery is fully discharged,	Control Wheel . . . . . full Forward
Engage Gauges . Check for Indication of	<b>Fire In Flight:</b>	Emergency gear extension procedure.	while neutralizing ailerons.
cause of power loss.	Plan to land	Position lights will not illuminate.	Throttle . . . . . idle.
If no Fuel Pressure . Check Fuel on	Source of fire . . . . . Check.		Rudder . Neutral (while rotation stops)
fullest tank.	<b>Electrical Fire (Smoke in Cabin):</b>		Control Wheel . . . . . as required to
<b>★ When power is restored:</b>	Master . . . . . Off.		smoothly regain level flight attitude.
→ Alternate Air . . . . . Closed.	Vents . . . . . Open.		
→ Fuel Pump . . . . . Off.	Cabin Heat . . . . . Off.		
<b>★ If power is not restored prepare for</b>	Land as soon as practicable.		
<b>power off landing.</b>			



Speed	KLAS
Stall with Gear & Flaps – <b>V<sub>SO</sub></b>	53
Stall Clean – <b>V<sub>SI</sub></b>	66
Rotation Speed – <b>V<sub>R</sub></b>	65 – 75
Best Glide – <b>V<sub>LD</sub></b>	79
Take off Distance (grn roll)	1025 ft
Landing Distance (grn roll)	615 ft

#### Best Angle of Climb

Gear Up & Flap Up – <b>V<sub>X</sub></b>	77
Gear Down & Flap Up – <b>V<sub>X</sub></b>	70

**V<sub>X</sub> = Most altitude in shortest distance.**  
*It is slower than V<sub>Y</sub>.*  
*Good for obstacle clearance*

#### Best Rate of Climb

Gear Up & Flap Up – <b>V<sub>Y</sub></b>	87
Gear Down & Flap Up – <b>V<sub>Y</sub></b>	76

**V<sub>Y</sub> = Most altitude in shortest time, but you are going faster – means more ground distance.**

Max Structural Cruising – <b>V<sub>A</sub></b>	
@2750 lbs	121
@1863 lbs	96

#### Landing Final Approach

Flaps 40° – Reference  
 Landing Speed) **V<sub>REF</sub>**

*When gusting, add ½ of gust factor to approach speed.*

Red Radial Line (Never Exceed) – <b>V<sub>NE</sub></b>	190
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Max Landing Gear Ext – <b>V<sub>LE</sub></b>	≤130
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Max Landing Gear Retract – <b>V<sub>LO</sub></b>	≤109
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Gear Extension / Retraction Time	7 Sec
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Max Flap Extend – <b>V<sub>FE</sub></b>	≤108
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#### Limitations:

Maximum Crosswind	17kts
Yellow Arc (Caution Range – Smooth Air only)	149-190
Green Arc (Normal Operating Range)	58-108
White Arc (Flap Down)	53-108
Service Ceiling	16200ft

#### Power Plant:

##### Tachometer

Green Arc. (Normal Operating Range)	500 - 2700 RPM
Red Line (Max Continuous Power)	2700 RPM

**RPM Restrictions (McCauley Propeller Only) – Avoid Continuous Operations Between 1500 and 1950 RPM Below 15 Inches Map.**

##### Oil Temperature

Green Arc (Normal Operating Range)	75°F - 245°F
Red Line (Maximum)	245°F

##### Oil Pressure

Green Arc (Normal Operating Range)	60 – 90 psi
Yellow Arc (Caution Range)(Idle)	25 – 60 psi

Red Line (Minimum)	25psi
Red Line (Maximum)	100psi

##### Fuel Pressure

Green Arc. (Normal Operating Range)	14 - 45psi
Red Line (Minimum)	14psi
Red Line (Maximum)	45psi

##### CHT / EGT

Normal CHT	350°F - 400°F
Recommended Below	435°F
Maximum CHT	500°F
Normal EGT	1250°F - 1450°F

##### Radio Freq

ATIS	125.67
Ground	118.40
Tower	120.10
PA-1	122.90
Emergency	121.50
905-576-2398	Tower
Emergency	7700
Communication Failure	7600
Hijacking	7500
Toronto Area Control Center	133.40
London Flight Center	123.15

#### STARTING WITH EXT POWER SOURCE

Master Switch	Off.
All Electrical equipment	Off.
Terminals	Connect
External Power plug	Insert in fuselage

#### Proceed with normal Start:

Throttle . . . . . lowest possible RPM  
 External Power Plug . . disconnect from Fuselage

Master Switch . . ON - Check Ammeter

#### Aviate, Navigate and Communicate

##### Aviate:

· Temp / pressure / Fuel · Check (could be in Green)  
 · Nav Aid / Radio . . . . . Check  
 · Attitude, Altitude, VSI, Heading  
 Airspeed . . . . . Cross Check

##### Navigate:

· Time · Note the time of station or fix  
 · Turn . . . . . your new heading  
 · Twist . . . . . Reset Course Indicator  
 · Throttle . . . . . as required  
 · Talk . . . . . Make your report to ATC

##### Communicate:

· ATIS . . . . . Get latest info  
 · Altimeter . . . . . Cross Check  
 · ATC . . . . . Interaction  
 · Position . . . . . Report  
 · Emergency . . . . . Communication

CRUISING – Ref POH 5-19						
Press Alt Feet	Std Temp C°	55% Power				
		RPM 2100	RPM 2200	RPM 2300	RPM 2400	RPM 2500
S.L	15	22.9	23.7		20.4	21.7
1000	13	22.7	23.4		20.2	21.4
2000	11	22.4	23.0		20.0	21.1
3000	9	22.2	22.6		19.8	20.8
4000	7	21.9	22.3		19.5	20.5
5000	5	21.7	21.9		19.3	20.2
6000	3	21.4	21.6		19.1	19.9
7000	1	21.2	21.2		18.9	19.6
8000	-1	21.0	20.8		18.7	19.3
9000	-3	F.T	20.5		18.5	19.0
10k	-5	F.T	F.T		18.3	18.7

#### Passenger Safety Briefing:

S. Seat Adjust. Seatbelt latch/unlatch, Doors/windows latch & Unlatch.  
 A. Air vent, Action in case of any passenger emergency.  
 F. Fire Extinguisher.

E. Exit door, Emergency evacuation plan, First Aid Kit & ELT.  
 T. Look out traffic for me.  
 Y. Any question?

#### Pre-Takeoff Pilot Briefing:

- Frequencies set
- Weather conditions / Winds
- Runway \_\_\_\_
- Flap settings \_\_\_\_°
- Speeds: Rotate 65-75KIAS & Pitch for 76KIAS, after positive Rate - 87 KIAS
- Departure routes / Nav aids Set
- Initial Altitudes \_\_\_\_ feet
- Our Go-No Go point will be intersection of the runway.
- In the event of an engine failure during the takeoff roll we will stop straight ahead.
- If airborne, we will pitch for the 79kt, and land straight ahead.
- If an engine failure occurs above 1000 feet AGL we will consider returning to the airport.
- Once made to the field, set flaps as required.
- Unlatch Cabin door.
- Mixture cut, fuel off, mags off & master off.
- Are you good to go?

#### Pre-Takeoff Passenger Briefing:

- We are ready for takeoff.
- Stow any loose objects
- Say free of my controls
- Keep your seat belt on.
- Refrain from talking unless it is an emergency.
- Are you good to go?

#### Do & Don't

- Warm-up the engine at 1400 to 1500 RPM. Avoid prolonged idling at low RPM, as this practice may result in fouled spark plugs.

#### Request Taxi to Main Apron

- After initial call established with GRN.
- Oshawa Ground
- Piper Arrow
- Golf, Victor, Bravo, Victor,
- Over Tango 2

➤ *Requesting Taxi to Main Apron.*

#### **ITPAID - Enroute Radio call**

- *"{some Place} Traffic"*
- *Piper Arrow, Golf, Victor, Bravo, Victor, Over {some place}*
- *at { } feet,*
- *enroute for {some place}*

#### **ITPAID – Request Transition**

- *{some Control, ie., Toronto Center}*
- *Piper Arrow*
- *Golf, Victor, Bravo, Victor,*

- *Over {some place}*
- *at { } feet*
- *request VFR transition through your airspace to {some place} maintaining { } feet*

#### **Memory Aids**

**ITPAID** – Identification, Tail Number, Place, Altitude, Intention, Destination.

**POISEE** - Problem, Option, Information, Select, Execute and Evaluate.

**FLARE** – Flaps, Lights, Auxiliary fuel pump, Radar transponder on, Engine

mixture – example of after take-off checklist.

**CIGAR** – Controls, Instruments, Gas, Attitude (trim and flaps), Run-up – example of before take-off checks.

**CRAFT** – Clearance, Routing, Altitude, Frequency, Transponder

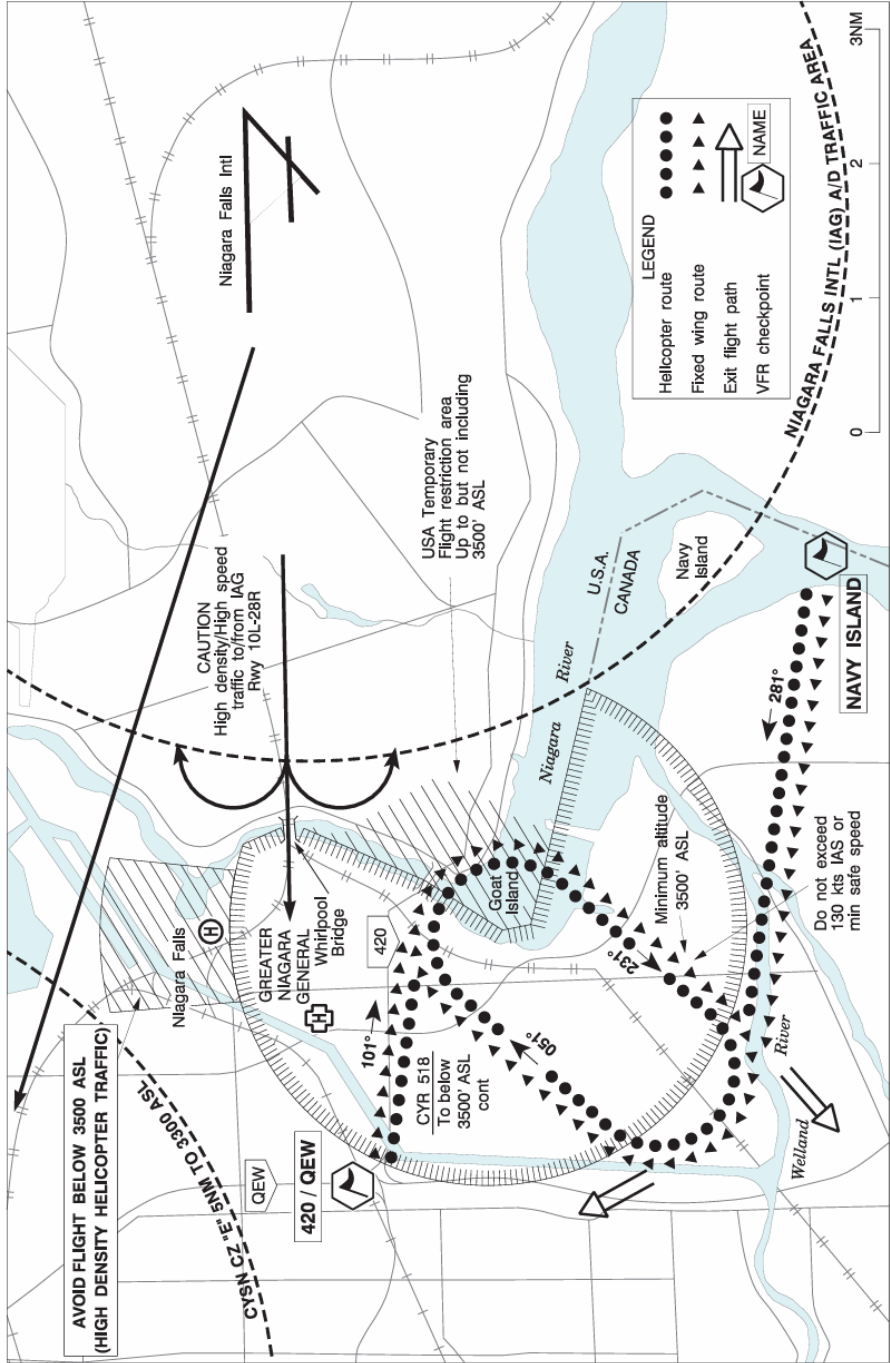
**COWLS** – Civilian, Obstacles, Wind, Length, Surface

Human brain always tries to convince itself it always has complete picture of what is going on, when contradictory information comes in, there is a

tenancy calls confirmation bias to ignore it to concentrate on what you think it is happening.

CRAFT: C			Clearance Limit	R	Route	A	Altitude	Departure	F	Freq	T	Trans Code		
1	ATC Clears	Piper Arrow - C-GVBV												
2	Clearance Limit													
3	SID													
4	Modification to flight plan route													
5	Route													
6	Approved Altitude													
7	Departure, enroute, approach or holding instructions	Runway:												
		Squawk:												
SID - Standard Instrument Departure														

NIAGARA FALLS VFR TERMINAL PROCEDURES CHART



# Niagara Falls Tour

## 14 CFR 93.71 – General operating procedures

§ 93.71 General operating procedures.(a) Flight restrictions are in effect below 3,500 feet MSL in the airspace above Niagara Falls, New York, west of a line from latitude 43°06'33" N., longitude 79°03'30" W. (the Whirlpool Rapids Bridge) to latitude 43°04'47" N., longitude 79°02'44" W. (the Niagara River Inlet) to latitude 43°04'29" N., longitude 79°03'30" W. (the International Control Dam) to the United States/Canadian Border and thence along the border to the point of origin.

(b) No flight is authorized below 3,500 feet MSL in the area described in paragraph (a) of this section, except for aircraft operations conducted directly to or from an airport/heliport within the area, aircraft operating on an ATC-approved IFR flight plan, aircraft operating the Scenic Falls Route pursuant to approval of Transport Canada, aircraft carrying law enforcement officials, or aircraft carrying properly accredited news representatives for which a flight plan has been filed with Buffalo NY (BUF) Automated Flight Service Station (AFSS).

(c) Check with Transport Canada for flight restrictions in Canadian airspace. Commercial air tour operations approved by Transport Canada will be conducting a north/south orbit of the Niagara Falls area below 3,500 feet MSL over the Niagara River.

(d) The minimum altitude for VFR flight over the Scenic Falls area is 3,500 feet MSL.

(e) Comply with the following procedures when conducting flight over the area described in paragraph (a) of this section:

1. Fly a clockwise pattern;
2. Do not proceed north of the Rainbow Bridge;
3. Prior to joining the pattern, broadcast flight intentions on frequency 122.05 Mhz, giving altitude and position, and monitor the frequency while in the pattern;
4. Use the Niagara Falls airport altimeter setting. Contact Niagara Falls Airport Traffic Control Tower to obtain the current altimeter setting, to facilitate the exchange of traffic advisories/restrictions, and to reduce the risk of midair collisions between aircraft operating in the vicinity of the Falls. If the Control Tower is closed, use the appropriate Automatic Terminal Information Service (ATIS) Frequency;
5. Do not exceed 130 knots;
6. Anticipate heavy congestion of VFR traffic at or above 3,500 feet MSL; and
7. Use caution to avoid high-speed civil and military aircraft transiting the area to or from Niagara Falls Airport.

(f) These procedures do not relieve pilots from the requirements of § 91.113 of this chapter to see and avoid other aircraft.

(g) Flight following, to and from the area, is available through Buffalo Approach.

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