



Near North Flight Academy
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C-GYTM R172K Normal Operation

PRE-FLIGHT INSPECTION	
Documents	On Board
First Aid Kit	On Board
Fire Extinguisher	Secure & Charged
Control Locks	Removed
Flight Controls	Free & Correct
Fuel Selector	Left Tank
Trim	Check & Set
Magnetos	OFF & Key Out
Beacon	ON
Master	ON
Flaps	Extend
Fuel Gauges	Quantity Check
Lights	Check as Required
Master	OFF
Loose Objects	Secure
External Check	As Per POH
PASSENGER BRIEFING	

Fire Extinguisher	First Aid Kit
Seat Adjustment	Seat Belts & Doors
Emergency Exits	Emergency Action
ELT	Airsickness Bags
Weather Today	No Smoking
COLD START	
Brakes	Set
Avionics Master	OFF
Circuit Breakers	Check
Flight Controls	Free & Correct
Fuel Shutoff	Pushed In
Mixture	Rich
Prop Control	Full Fine
Throttle	Closed
Master	ON
Fuel Pump	High
Throttle	Advance to 10 gph, then close

Fuel Pump	Off
Prop Area	CLEAR!
Magnetos	Start – 1000 RPM
<u>HOT or FLOODED START</u>	
Brakes	Set
Avionics Master	OFF
Circuit Breakers	Check
Flight Controls	Free and Correct
Fuel Shutoff	Pushed In
Mixture	Full Rich
Prop Control	Full Fine
Throttle	Open
Master	On
Fuel Pump	High for ¼ second
Throttle	Closed
Starter	Engage
Throttle	Advance slowly while cranking; retard once engine catches
<u>AFTER START</u>	
Oil Pressure	Green
Avionics Master	ON
Flaps	Up in Stages
Radios	Set
Transponder	Standby/1200
Flight Instruments	Check & Set
Brakes	Check

Flight Instruments	Taxi Check
<u>RUN UP</u>	
Nose Wheel	Straight
Brakes	Set
Fuel Selector	Right Tank
Area	Clear
Engine Instruments	Green
Throttle	1800 RPM
Magnetos	150 RPM drop 50 RPM difference
Propeller	Cycle 3x
Ammeter	Full Load Check
Suction Gauge	4-6
Throttle	Low Idle Check
Throttle	1000 RPM
<u>PRE-TAKEOFF CHECK</u>	
Primer	Locked
Master	ON
Magnetos	On Both
Mixture	Rich
Fuel Selector	On Both & Quantity Check
Flight Instruments	Check & Set
Engine Instruments	Green
Lights	As Required
Doors & Windows	Secure

Seat & Harness	Secure
Avionics	As Required
Flight Controls	Free & Correct
Flaps	As Required
Trim	Set for Takeoff
Time	Note
Go/No Go Point	
Take-Off Brief	
<u>RUNWAY CHECKS</u>	
Compass & H. I.	Compare
Strobes	ON
Transponder	ALT
Radio	Make Call
Full Power	Confirm
Rotate Speed	55 KIAS
Normal Climb	81 KIAS

<u>AFTER TAKE-OFF</u>	
Engine Instruments	Green
Flaps	Up
Throttle	25" M. P.
Prop Control	2500 RPM
<u>CRUISE</u>	
Power	As Desired
Mixture	Lean to Peak EGT
Cowl Flap	Closed
Engine Instruments	Green
Destination ATIS	Obtain

<u>PRE-LANDING</u>	
Primer	Locked
Master	On
Magnetos	On Both
Engine Instruments	Green
Lights	As Required
Mixture	Rich
Fuel Selector	On Both & Quantity Check
Seat Belts	Secure
Brakes	Check
<u>AFTER LANDING</u>	
Flaps	Up/Visual Check
Cowl Flap	Open
Time Check	
Trim	Set for Take Off
Transponder	Standby/1200
Lights	OFF except Beacon
<u>SHUT-DOWN</u>	
Throttle Idle	800 RPM
Avionics Master	OFF
Magnetos	Live Mag Check
Mixture	Idle Cut Off
Magnetos	OFF & Key Out
Master	OFF
Fuel Selector	Left

Controls Locked, Aircraft Tied
Down,
Sun Shade & Pitot Tube Cover
installed