

## Pre Start

Pre – Start Checks	
Maintenance Release	Checked and signed
Brakes	Check Pressure / Set Park brake
Circuit Breakers	SET
Fuel Selector	ON – Set to tank with least fuel
Mixture	RICH
Throttle	CRACKED ~ ½ inch / 1 cm
Primer	4-5 Pumps cold start – 1-2 hot start
Switches	Master Battery ON - Beacon ON
Fuel Pump	ON – Check pressure
Magnetos	BOTH
Area	Clear
Start	Start Engine

## After Start

After Start Checks	
Throttle	Set to 1000 RPM
Oil Pressure	In Green arc within 30 seconds
Fuel Pump	OFF – Check pressure (Green arc)
Alternator	ON – Check Charging
Suction	CHECK – 2-5 inches
Avionics	As required
Circuit Breakers	SET
ATIS	Tune - Check QNH - Set Altimeter

## Taxi

Taxi Checks	
Brakes	Check pressure and operation
Turning Left	D.G / HSI Turning Left
-	Magnetic Compass turning left
-	T.C – Skidding right / Turning left
-	A.I – Remains erect
Turning Right	D.G / HSI Turning Right
-	Magnetic Compass turning right
-	T.C – Skidding left / Turning right
-	A.I – Remains erect

## Run – Up

Engine Run-up Checks	
Oil	Temp. in green arc
Power	2000 RPM
Left magneto	Switch to: Max drop 175 RPM
Right Magneto	Switch to: Max drop 175 RPM
Compare	Max differential of 50 RPM L/R Mag.
Gauges	Check all normal
Carb. Heat	ON – Check slight drop in RPM
Idle	Check – 750 RPM – Reset 1000 RPM
Brief	Passenger safety brief

## Pre Take-Off

Before Takeoff Checks	
Trim	Set for Takeoff (Neutral)
Mixture	RICH
Primer	LOCKED
Fuel	Check pressure – Change Tanks
Flaps	Check – 3 Stages
Instruments	Left to Right – Check and Set
Switches	BATT ON – ALT ON – MAG BOTH
Controls	Check full and free movement
Hatches	Check Closed – Harnesses ON

## Take Off

Takeoff / Line-up Checks	
Fuel pump	ON – Check pressure in green arc / Ensure fullest tank selected
Instruments	CHECK – D.G. – QNH SET – A.H UP
Switches	MAGS BOTH – Strobes ON - Lights
Transponder	SET to ALT – STBY for Circuits

## Before Landing

Pre-Landing Checks	
Brakes	Check pressure – Park brake OFF
Undercarriage	Down and Locked <i>(N/A for this aircraft)</i>
Mixture	RICH
Fuel Pump	ON – Fullest tank selected
Oil	CHECK – Pressure & Temp in green
Carb Heat	ON
Hatches	Hatches & harnesses secure

## After Landing

After-Landing Checks	
Flaps	RETRACTED
Fuel Pump	OFF
Avionics	Turn off all unnecessary avionics
Radios	Set as required

## Shut Down

Shutdown Checks	
Power	Set to 1000 RPM
Radios	OFF
Magnetos	Check both for grounding
Shutdown	Close Throttle & Mixture to cut-off
Keys	Remove - place on instrument panel