

# ***DUCHESS Be76 NORMAL CHECKLIST***

## **Approach Review**

Completed

## **Top of Descent Check – ( FIMMQC)**

Frequencies	Avionics / Nav aids Set as required
Ident	Checked / ON
Marker Beacon	Tested / Set low / Audio ON
Mixtures	Set as required
QNH	Set
Compass / DI	Aligned

## **Pre-Landing Checks – (BUMFFISH)**

Brakes	Off / Check pressure
Undercarriage	Down ('3' Greens)
Mixtures	Rich
Fuel Selectors	On / Check Contents
Fuel Pumps	On / Check Pressure
Instruments	Check T & P's (Green Arc)
Seat / Seat Belts	Secure / Fastened
Hatches (Doors)	Secure

## **Final Checks 300 ft – (PUFC)**

Pitch Levers	Full Fine
Undercarriage	Down ('3' Greens)
Flaps	As Required
Clearance	To land

## **After Landing Checks (Clear of Runway)**

Trims x 3	Set for Take-Off
Cowl Flaps	Open
Flaps	Identified and Retracted
Fuel Pumps	Off
Strobes ( <i>Anti Collision</i> )	Off
Landing / Taxi Lights	Off / As Required
Transponder	Standby
Radio Call	Call made ( <i>Cancel Sarwatch</i> )

## **Shut Down Checks**

Park Brake	Applied
Throttle	1200 RPM
Buses 1 and 2	Off
Magnetos	Checked
Engine Instruments	Check T & Ps ( <i>Green Arc</i> )
Mixtures	Idle Cut-Off
Throttles	Closed
Magneto Switches	Off
Battery and Alternator Switches	Off
All Switches	Off
Control Lock	Applied

## **Pre - Start Check**

Pre-Flight Inspection	Complete
Documentation	Maintenance Release and Flight Manual
Passengers and Freight	Secure
Seats and Harnesses	Adjusted / Secure
Parking Brake	On
Trims x 3	Full Travel / Set for Take-Off
Fuel Selectors	Check Operation - On
Cowl Flaps	Open
Carburettor Heat	Off
Emergency Gear Extension Tool	Stowed
Alternate Static Air	Off
All Switches	Off
Controls	Free and Correct Sense
Instrument Scan	Completed
Undercarriage Selector	Down
Avionics Buses 1 and 2	Off
Battery and Alternator Switches	On
Circuit Breakers	In
Flaps	Identified and Retracted
Alternator Warning Lights	Press to Test
Undercarriage Lights	3 Green, 1 Red
Turn Co-ordinator Power	Flag Away

## **Start Check**

LEFT ENGINE	Mixture	Rich
	Pitch Lever	Full Fine
	Throttle	Checked 1/4" Open
	Fuel Pump	On / Check Pressure
	Prime	As Required
	Surroundings	Lookout / "Clear Prop."
		Ignition Switch / Start

## **After Start**

Throttle	1000 RPM (Cold) - 1200 RPM (Hot)
Oil Pressure	Rising ( <i>Min. Yellow Arc</i> )
Load Meter	Checked
Instrument Air	Check Pressure / Indicator Away
Fuel Pump	Off / Check Pressure

RIGHT ENGINE START As for LEFT

### Pre-Taxi Check

Gyro Instruments	Suction, Erection, Alignment
Fuel Selectors	Set to cross-feed
Avionics / Buses 1 and 2	On
Radios	On / ATIS / Ground Call
Nav aids	As Required
Clock	Set
Taxi Path	Clear
Park Brake	Released

### Taxiing Check

Brakes	Checked
Instruments Taxi Checks	Checked

RIGHT TURN	LEFT TURN
- Right turn indicated, ball skidding (Left)	- Left turn indicated, ball skidding right
- Compass increasing	- Compass decreasing
- D.I. increasing	- D.I. decreasing
- A.I. No pitch or bank greater than 5°	- A.I. No pitch or bank greater than 5°
- ADF tracking	- ADF tracking

### Run Up

Park Brake	On
Fuel Selectors	Set to "ON"
Engine Instruments	Check - Oil Pressure ( <i>Green Arc</i> ) Oil Temperature ( <i>Yellow Arc</i> )
Cowl flaps	Open
Mixtures	Rich
Pitch Levers	Full Fine
Throttles( <i>Check Behind</i> )	2200 RPM
Engine Instruments	Check T & Ps ( <i>Green Arc</i> )
Carburettor Heats	Check Operation ( <i>Separate</i> )
Propellers	Exercise (100-200 RPM)( <i>Both</i> )
Magnetos	Checked (Max Drop 175 RPM Max Diff 50 RPM)
Instrument Air	Check Pressure / Indicators Away
Load Meters	Checked
Throttles	1500 RPM
Propellers	Feather Check (500 RPM)( <i>Separate</i> )
Throttles	Idle Check
Throttles	1200 RPM
<u>Pre Take-Off</u>	
Trims x 3	Check Electric Trim / Set for Take-off
Fuel Selectors	On / Contents Checked
Cowl Flaps	Open
Carburettor Heats	Off

Flaps	Confirm Retracted
Mixtures	Rich
Pitch Levers	Full fine
Friction Nut	Firm
Fuel Pumps	On / Check Pressure
Heater / Blower	Off
Auto Pilot	Checked and Disengaged ( <i>Check Trim</i> )
Magnetos	L & R / Both
Controls	Full and Free Movement
Flight Instruments	Checked
Avionics / Nav aids	Set as required
Hatches and Harnesses	Secure
Emergency Briefing	Given
Departure Briefing	Given

### Holding Point – (FMPTS)

Fuel Selectors / Pumps	On
Mixtures	Rich
Pitot Heat	As Required
Transponder	On ( <i>Alt</i> )
Strobes (Anti-Collision)	On

Lookout	Final Approach
Compass/Directional Ind.	Check Alignment
Windsock	Checked

### After Take-Off Check (Min. 300' AGL or 300' above MDA, DA)

Undercarriage	Confirmed Up / Red Light Out
Flaps	Fully Retracted
Power	Set (25" / 2500 RPM)
Engine Instruments	Check T & P's ( <i>Green Arc</i> )
Cowl Flaps	Set as required

### At 1000 ft

Fuel Pumps	Off / Check Pressure
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### Cruise Check

Cowl Flaps	Closed ( <i>Set as required</i> )
Accelerate	Cruise IAS
Power	As required (23" / 2300 RPM) *
Trim	Relieve Load
Autopilot	On
Engine Instruments	Check T & P's ( <i>Green Arc</i> )
Compass / DI	Aligned
Mixture	Leaned as Required
QNH	Set

\* For all Power and Mixture Setting refer to Flight Manual Performance Section