

PREFLIGHT - CABIN

Canopy Open NORMAL SLIDING
Master Switch ON
Flaps 30°
Magnetos OFF
Booster/Fuel Pump OFF
Ammeter/Alternator OFF
Carburator heat COLD/OFF
Flight Controls UNLOCKED
Fuel Quantity CHECK
Trim/Tabs NEUTRAL POSITION
Fuel Selector ON
Circuit Breakers CHECK
Master Switch OFF
Aircraft Documents ON BOARD

EXTERIOR INSPECTION

LEFT/RIGHT WING

Left Main Landing Gear CHECK
Aileron, Flaps CHECK
Air Inlet CLEAR
Fuel Tank LEVEL CHECKED
Fuel Tank Plug/Door INSTALLED/LOCKED
Fuel Bleeding CHECK
Slats CHECK
Pitot-Static Probe CLEAR

NOSE

Oil CHECK LEVEL (6-7 QUARTS)
Windshield CLEAN
Air Intakes CLEAR
Propeller..... CHECK
Cowlings CLOSED/LOCKED
Lights..... VISUAL CHECK
Nose Gear CHECK

FUSELAGE

Static port (rear right/left) CLEAR
Antennas VISUAL INSPECTION

TAIL

Stabilizers CHECK
Controlled Tabs NEUTRAL POSITION

**RALLYE 180
EC - HPT**

FRANCISCO PICÓ

ENGINE START

NORMAL

Mixture FULL RICH
Master ON
Fuel Indicators CHECK
Fuel Cock OPEN/LIGHT OFF/LEAST FULL
Booster/Fuel Pump ON
Injection 2-3 TIMES
Throttle OPEN (2 CM)
Propeller Area CLEAR
Starter/Magnetos ENGAGE
Oil Pressure RISING/CHECK

HOT ENGINE

Same as NORMAL but without Injection

COLD ENGINE

Same as NORMAL but with successive
Injection up to 900 to 1000 RPM

FLOODED

Mixture FULL RICH
Throttle OPEN (FULL)

AFTER ENGINE START

Throttle 800 - 1000 RPM
Alternator ON
Booster/Fuel Pump OFF
Fuel Cock BOTH TANKS
Turn & Bank Indicator ON
Ammeter GREEN/LIGHT OUT
Transponder.....STBY
Radios/NAV/GPS SET
Altimeter SET QNH
Engine InstrumentsCHECK
Radio Check RECIEVED 5

TAXIING

Park Brake RELEASED
Elevator Control FULLY BACKWARD
Lights/Brakes/Turns CHECK

SWITCHES (Left to Right)

Battery
Alternator
Booster/Fuel Pump
Turn & Bank Indicator
Pitot heat
Anti-collision lights
Navigation lights

RUN UP	
Parking Brake	ENGAGED
Oil Temp	GREEN
Oil/Fuel Pressure	GREEN
Mixture	FULL RICH
Carburator heat	COLD/OFF
Throttle	2000 RPM
Ammeter/Alternator	GREEN/LIGHT OUT
Vacuum/Suction	5.0 (+/-1)
Magnetos	CHECK (DROP 175 DIFF±50)
Carburator heat	HOT/ON
Throttle	IDLE THEN 1000 RPM
Carburator heat	COLD/OFF
Engine instruments	CHECK

BEFORE TAKE-OFF	
Seatbelts	FASTENED & ADJUSTED
Canopy	CLOSE & SECURED
Flight controls	FREE
Trim/Tabs	NEUTRAL POSITION
Flaps	0°-15°-30° CHECK
Magnetos	SET TO 1 + 2
Carburator heat	COLD/OFF
Mixture	FULL RICH
Fuel Cock	OPEN/LIGHT OFF
Booster/Fuel Pump	ON
Oil/Fuel Pressure	GREEN
Oil Temp	GREEN
Altimeter	SET QNH

TAKE-OFF	
Flaps	15°
Park Brake	RELEASED
Throttle	PROGRESSIVELY TO FULL
Nose Wheel Lift-off	30 KTS
Rotate	65 KTS
Climb (400ft)	70 KTS

NORMAL CLIMB	
Slats (Retracted)	85 KTS

MAXIMUM CLIMB	
Slats (Extended)	65 KTS

SHORT FIELD	
Flaps	15°
Brakes	ON
Rotate	50 KTS
Flaps	slowly to 0°
Climb	65 KTS

APPROACH	
Mixture	FULL RICH
Booster/Fuel Pump	ON
Fuel Cock	OPEN/MOST FULL
Downwind	80 KTS
Base (15° Flap)	75 KTS
Final (0° Flap)	70 KTS
Final (30° Flap)	65 KTS
Carburator heat	HOT/ON

LANDING	
Touchdown	55 KTS
Elevator back - nose wheel down	30 KTS
Engine instruments	CHECK

GO-AROUND	
Throttle	PROGRESSIVELY TO FULL
Carburator heat	COLD/OFF
Maintain	65 KTS
Flaps (400ft)	0°
Climb	85 KTS

AFTER LANDING	
Booster/Fuel Pump	OFF
Flaps	0°
Trim/Tabs	NEUTRAL POSITION
Carburator heat	COLD/OFF

STOPPING	
Park Brake	ON
Electrical Equipment	OFF
Magnetos Cut-off Test	OFF-ON
Throttle	1000 RPM
Mixture	LEAN OUT
Magnetos	OFF/REMOVE KEY
Alternator	OFF
Master	OFF
Fuel cock	CLOSED

FUEL	
Total	220 litres - 60 US Gallons
Consumption	40 l/h - 10 g/h

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