

BEFORE STARTING ENGINE

EXTERNAL INSPECTION COMPLETED
 ELECTRICAL SWITCHES OFF
 SET BELTS & SEAT CHECKED
 GEAR HANDLE DOWN
 MASTER SWITCH ON
 CIRCUIT BREAKERS (RH, LH) IN
 BRAKES SET
 PROP FULL RPM
 FUEL SELECTOR SET
 FUEL IN ENGINE MONITOR SET/CHECKED
 ALT AIR OFF

ENGINE START UP

AVIONIC MASTER OFF
 ACL ON

COLD ENGINE (WINTER TIME ONLY!!!)

THROTTLE 2-3 CM OPEN
 MIXTURE RICH
 FUEL PUMP (prime 1 – 3 sec) ON/OFF
 THROTTLE 1 CM OPEN
 PROP AREA CLEAR
 STARTER ENGAGE

WHEN ENGINE IGNITES

MIXTURE ½ RICH

STARTING HOT ENGINE (AND SUMMER COLD)

THROTTLE 1,5 CM OPEN
 MIXTURE IDLE CUTOFF
 FUEL PUMP OFF
 STARTER ENGAGE
 MIXTURE INCREASE TO ½ RICH WITHIN 5 sec

WHEN ENGINE IGNITES

MIXTURE ½ RICH

STARTING OVERFLOODED ENGINE

FUEL PUMP OFF
 THROTTLE FULL
 MIXTURE IDLE CUTOFF
 STARTER ENGAGE

WHEN ENGINE IGNITES

THROTTLE RETARD
 MIXTURE ½ RICH

OIL PRESSURE CHECKED

AFTER ENGINE START

ALTERNATOR ON
 THROTTLE 1000 RPM
 LIGHTS AS REQUIRED

AVIONIC MASTER ON
 TRANSPONDER CHECK GND
 ELECTRICAL SWITCHES AS REQUIRED
 FUEL PUMP OFF
 FLAP HANDLE – 3 positions CHECKED
 ALTIMETERS SET

TAXI/BEFORE TAKEOFF

BRAKES AND STEERING CHECKED
 FLIGHT INSTRUMENTS CHECKED
 ENGINE INSTRUMENTS CHECKED
 AVIONICS, A/P, ALT SEL CHECKED AND SET
 TRIM TABS SET
 FLAPS AS REQUIRED
ENGINE RUN UP
 FUEL SELECTOR FULLEST TANK
 MIXTURE RICH
 THROTTLE 2300 RPM
 PROP CONTROL PERFORM CHECK
 MAGNETOS CHECKED
 VOLTS; ALT AMPS CHECKED
 WARNING LIGHTS OFF
 FUEL PRESSURE CHECKED
 THROTTLE IDLE

TAKEOFF BRIEFING

- EMERGENCY BRIEFING
- RUNWAY & LENGTH
- NORMAL OR SHORTFIELD TAKEOFF?
- FLAP SETTING
- SPEEDS (V_R 65 kts, V_{CLIMB} 85 kts)
- ROUTE AND HEIGHT
- FREQUENCY

LINE UP/TAKEOFF

TRANSPONDER SET ALT
 PITOT HEAT AS REQUIRED
 STROBES ON
 FUEL PUMP ON
 MIXTURE RICH
 HEADING & HDG BUG CHECKED RWY HDG
 DOOR LOCKED

CLIMB

LANDING GEAR UP
 FLAPS UP
 FUEL PUMP OFF
 CLIMB POWER 25/ 2500 / 45 LPH
 LIGHTS OFF
 ALTIMETER (@ Transition Alt) SET 1013

CRUISE

POWER (55 – 65 – 75 %) CHECKED & SET
 MIXTURE LEAN AS RQD
 ALT AMP MONITOR
 RUDDER TRIM SET

DESCENT

FUEL QTY, SELECTOR CHECKED & SET
 A/P & ALT SEL CHECKED & SET
 MANIFOLD PRESSURE MONITOR
 MIXTURE LEAN AS RQD
 ALTIMITERS (QNH @ TRANS. LEVEL) SET

APPROACH

APPROACH BRIEFING COMPLETED
 ALTIMITERS (QNH@TRANSITION) SET
 MIXTURE RICH
 LANDING LIGHTS ON
 FUEL PUMP ON
 LANDING GEAR (below 130kt) DOWN
 FLAPS (below 109 kt) AS RQD
 PROP FULL RPM
 AUTOPILOT CHECK DISCONNECT

AFTER LANDING

FLAPS UP
 FUEL PUMP OFF
 PITOT HEAT OFF
 MIXTURE LEAN ½
OFF THE RWY
 LANDING LIGHTS OFF
 TRANSPONDER STBY

PARKING

PARKING BRAKE ON
 LIGHTS OFF
 AVIONICS MASTER OFF
 MIXTURE IDLE CUT-OFF
 MAGNETOS OFF
 MASTER SWITCH OFF

POWER SETTINGS 3000 ft

MP [inHg]	RPM [min ⁻¹]	FF [G/h]	BHP [%]	TAS [kt]
25	2500	45	80	123
25	2400	42	73	121
24	2500	42	73	121
24	2400	39	69	118
23	2400	37	65	115
23	2300	35	60	111
22	2400	35	60	111
22	2300	33	56	107

POWER SETTINGS 5000 ft

MP [inHg]	RPM [min ⁻¹]	FF [G/h]	BHP [%]	TAS [kt]
23	2500	42	72	123
23	2400	39	68	119
22	2500	39	68	119
22	2400	37	63	116
21	2400	34	59	112
21	2300	32	55	108
20	2400	32	55	108
20	2300	30	51	103

POWER SETTINGS 10.000 ft

MP [inHg]	RPM [min ⁻¹]	FF [G/h]	BHP [%]	TAS [kt]
19	2500	35	60	117
19	2400	33	56	113
18	2500	32	55	112
18	2400	30	52	108
17	2400	28	47	102
17	2300	26	44	96
16	2400	26	43	95
16	2300	25	40	89