

COCKPIT PREPARATION	
THROTTLES	IDLE
LDG GEAR HANDLE	DOWN
FLAPS LEVER	0
SWITCHES	OFF
CIRCUIT BREAKERS	CHECKED
COWL FLAPS	OPEN
PARKING BRAKE	ON
FUEL SELECTORS	LEFT/RIGHT
PROPELLER CONTROL	FORWARD
MIXTURE	CUT OFF
TRIMS	SET
BATTERY	ON
AVIONIC MASTER	ON FOR ATIS
ALTERNATORS	OFF
ALTIMETERS	SET & COMPARED

CRUISE	
THROTTLE/RPM	24 / 2400
MIXTURE	SET
COWL FLAPS	AS REQUIRED
ETA	DONE
TOD	DONE

DESCENT	
MIXTURE	FULL RICH
COWL FLAPS	CLOSED
WEATHER/ATIS TOD - 10	ANALYSE
LANDING DATA/MINIMUMS	WRITTEN
RADIO AIDS	SET
LANDING LIGHT	AS REQUIRED
BRIEFING	DONE

BEFORE ENGINE START	
MIXTURE	FULL RICH
THROTTLE	1/4 OPEN
FUEL	QUANTITY ANNOUNCED
STROBES	ON
MAGNETOS	ON
FUEL PUMPS	ON

APPROACH	
ALTIMETERS	QNH, SET & COMPARED
FUEL PUMPS	ON
FLAPS	APP

ENGINE START UP	
EXTERIOR SECURITY	CHECKED
STARTER 1 THEN 2	engage then 1000 RPM
ALTERNATORS	ON
AVIONIC MASTER	ON
FUEL PUMPS	OFF

BEFORE LANDING	
LANDING LIGHT	ON
MIXTURE	FULL RICH
COWL FLAPS	OPEN
RPM	MAX RPM
LDG GEAR	DOWN 3 GREEN
FLAPS	DOWN

BEFORE TAXI	
DEPARTURE BRIEFING	DONE
RADIO AIDS	SET
FLAPS	T/O
FLIGHT CONTROL	CHECKED
EXTERIOR SECURITY	CHECKED
PARKING BRAKE	RELEASED
BRAKES / STEERING	CHECKED

AFTER LANDING	
FLAPS	UP
LANDING LIGHT	OFF
TAXI LIGHT	ON

BEFORE TAKE OFF	
FUEL PUMPS	ON
PITOT HEAT	ON
ENGINE CHECKS	PERFORMED
LANDING LIGHT	ON
SQUAWK	ALT
ROTATION SPEED	75 KT
BRIEFING T/O	DONE

ENGINE SHUT DOWN	
PARKING BRAKE	ON
TAXI LIGHT	OFF
STROBE LIGHT	OFF
SQUAWK	OFF
FUEL PUMPS	OFF
AVIONIC MASTER	OFF
THROTTLE	IDLE
MIXTURES	CUT OFF
MAGNETOS	OFF
ALTERNATORS	OFF
BATTERY MASTER	OFF

AFTER TAKE OFF	
LDG GEAR	UP
FLAPS	0
THROTTLES/RPM	25 / 2500
FUEL PUMPS	OFF
CLIMB SPEED	105KT
LANDING/TAXI LIGHT	OFF
ALTIMETERS	STD, SET & COMPARED

ENGINE FAILURE DURING TAKE OFF	
THROTTLE	MAX
THROTTLE INOP ENGINE	IDLE
PROPELLER INOP ENGINE	FEATHERED
MIXTURE INOP ENGINE	CUT OFF
PITCH	+ 7 °
SPEED	88 KT

CHECKLIST	MEP - NORMAL CHECKLIST	Version 1.1
Multi-Engine Piston		08/08/18

FLIGHT PHASE	CONFIGURATION		ENGINES				
	PITCH	IAS	GEAR	FLAPS	MP	RPM	Mixture
ROTATE	+ 10	75	DOWN	10	29	2700	100 %
INITIAL CLIMB	+ 11	82	UP	10	29	2700	100 %
VX	+ 13	82	UP	0	29	2700	100 %
VY	+ 12	89	UP	0	25	2500	100 %
CRUISE CLIMB	+ 5	105	UP	0	25	2500	100 %
SINGLE ENG CLIMB	+ 6	89	UP	0	29	2700	100 %
CRUISE	0	145	UP	0	24	2400	75 %*
SINGLE ENG CRUISE	+ 3	100	UP	0	21	2500	100 %
DESCENT VNO	- 2	169	UP	0	22	2300	100 %
CRUISE DESCENT	- 1	150	UP	0	18	2300	100 %
HOLD	+ 1	100	UP	0	18	2400	100 %
INITIAL APPROACH	- 1	100	DOWN	10	17	2700	100 %
FINAL APPROACH	+1	90	DOWN	10	16	2700	100 %
FINAL 1.3 Vs0	- 2	75	DOWN	40	18	2700	100 %

Service ceiling: 16,200 ft

1 inch change in MP (Manifold Pressure) leads to the following variation

+ / - 5 KT
+ / - 150 ft/min

* below 3000 ft, reset mixture full rich 100 %

VNE	202 KIAS
VA	135 KIAS
VNO Normal Operating Speed	169 KIAS
V FE	111 KIAS
V LO	109 KIAS
V LE	140 KIAS
MAXIMUM CROSSWIND	17 KIAS
CLIMB	105 KIAS
VY	89 KIAS
VX	82 KIAS
FINAL 1.3 Vs0	75 KIAS
Stall Speed Flaps Up	57 KIAS
Stall Speed Flaps Down	55 KIAS

VMCA	56
VYSE	89
VXSE	82

FUEL TOTAL CAPACITY	110 US GALLONS
USABLE FUEL	108 US GALLONS
MTOW	3800 LBS