



## BEFORE ENGINE START

PARKING BRAKE	SET
PASSENGER BRIEFING	COMPLETE
SEAT BACKS	UPRIGHT
SEATBELTS & HARNESSSES	FASTENED
AVIONICS MASTER	OFF
CIRCUIT BREAKERS	IN
ALTERNATE AIR	CLOSED
MIXTURE	EXERCISE & IDLE CUT-OFF
PROPELLER	EXERCISE & FULL FORWARD
THROTTLE	EXERCISE & IDLE
FUEL SELECTOR	FULLEST TANK

## ENGINE START

BATTERY MASTER SWITCH	ON
ROTATING BEACON	ON
THROTTLE	½ INCH OPEN
MIXTURE	PRIME THEN IDLE CUT-OFF
PROPELLER AREA	CLEAR
STARTER	ENGAGE
MIXTURE	FULL RICH
THROTTLE	1000-1200 RPM
MIXTURE	ADJUST
<b>OIL PRESSURE</b>	<b>CHECK</b>
<b>STARTER WARNING LIGHT</b>	<b>CHECK OUT</b>

(For "Hot" & "Flooded" starts, ref: POH Section 4)

## AFTER START

AVIONICS MASTER	ON
ENGINE INSTRUMENTS	CHECK
AMMETER	CHECK
FUEL SELECTOR	SWITCH TANKS
GPS, RADIOS, NAVS	ON & SET UP
ATIS & QNH	COPY & SET
CLEARANCE	OBTAINED
TRANSPONDER	SET SQUAWK & ON

## TAXI

LANDING LIGHT	ON
THROTTLE	IDLE
PARKING BRAKE	RELEASE
BRAKES	CHECK
NOSE WHEEL STEERING	CHECK
FLIGHT INSTRUMENTS	CHECK

## PRE-FLIGHT CHECKS

(INTO WIND IF POSSIBLE)

PARKING BRAKE	SET
LANDING LIGHT	OFF
MIXTURE	FULL RICH
PROPELLER	FULL FORWARD
THROTTLE	2000 RPM
MAGNETOS	CHECK
<small>(MAX DROP 175 RPM, MAX DIFF. 50 RPM)</small>	
PROPELLER	EXERCISE
<small>(RPM—DECREASE, MP—INCREASE, OIL PRESSURE—DECREASE)</small>	
ALTERNATE AIR	CHECK
<small>(ALT AIR - OPEN, MP - MAINTAINED, ALT AIR - CLOSED)</small>	
OIL TEMPERATURE	CHECK
OIL PRESSURE	CHECK
AMMETER	CHECK
ANNUNCIATORS (2)	CHECK & CLEAR
THROTTLE	IDLE THEN 1000 RPM
FRICTION	AS DESIRED
FLIGHT CONTROLS	FREE & CORRECT
TRIMMERS	BOTH SET
FLAPS (0° OR 25°)	SET
FLIGHT INSTRUMENTS	CHECK & SET
SEATBELTS & HARNESSSES	FASTENED

## BEFORE TAKE OFF

ENGINE INSTRUMENTS	CHECK
ELECTRIC FUEL PUMP	ON
PITOT HEAT	AS REQUIRED
MIXTURE	AS REQ'D
PROPELLER	FULL FORWARD
TAKE OFF BRIEFING	COMPLETE
RADIOS	SET

**-----CLEARED TO ENTER ACTIVE RUNWAY-----**

DOOR & WINDOWS	CLOSED & LOCKED
ANTI COLL LIGHTS (STROBES)	ON
TRANSPONDER	ALT
MIXTURE	FULL RICH



## NORMAL TAKE OFF

-----WHEN CLEARED FOR TAKE OFF-----

LANDING LIGHT	ON
BRAKES	HOLD
THROTTLE	2000 RPM
ENGINE INSTRUMENTS	CHECK
BRAKES	RELEASE
THROTTLE	FULL POWER
ROTATE	75 KIAS
GEAR (AFTER POSITIVE RATE)	UP
CLIMB	90 KIAS

## SHORT FIELD TAKE OFF (FLAPS 25°)

FLAPS	25°
BRAKES	HOLD
THROTTLE	2000 RPM
ENGINE INSTRUMENTS	CHECK
THROTTLE	FULL POWER
BRAKES	RELEASE
ROTATE	60 KIAS*
CLIMB	65 KIAS*

GEAR (AFTER POSITIVE RATE)	UP
<small>!WARNING! UNTIL FLAP RETRACTION, GEAR UNSAFE HORN &amp; LIGHT WILL BE ACTIVATED</small>	
CLEAR OF OBSTACLE	78 KIAS
FLAPS (ABOVE 300 AGL)	UP
CLIMB	90 KIAS

\* THESE SPEEDS ARE FOR MTOM

## AFTER TAKE OFF CHECKS

GEAR (BELOW 107 KIAS)	UP
AIRSPPEED	104 KIAS
POWER (25" MP & 2500 RPM)	SET
ENGINE INSTRUMENTS	CHECK

## TOP OF CLIMB

ELECTRIC FUEL PUMP	OFF
FUEL FLOW	CHECK
POWER	SET
MIXTURE	LEAN
ENGINE INSTRUMENTS	CHECK
LIGHTS	AS REQUIRED

## BEFORE DESCENT

LANDING LIGHT	ON
POWER	AS REQUIRED
MIXTURE	ADJUST WITH DESCENT*
<small>*BELOW 3000' QNH SET MIXTURE FULL RICH</small>	
FUEL SELECTOR	FULLEST TANK
SEAT BACKS	UPRIGHT

## LANDING CHECKS

BELTS & HARNESSSES	FASTENED & SECURE
ELECTRIC FUEL PUMP	ON
LANDING LIGHT	ON
FUEL SELECTOR	FULLEST TANK
MIXTURE	FULL RICH
PROPELLER	FULL FORWARD
GEAR (BELOW 129 KIAS)	DOWN, 3 GREEN
FLAPS	AS REQUIRED

## RED-BLUE-3 GREENS

## AFTER LANDING

(RUNWAY VACATED)

RADIO	SET
TRIMMERS	BOTH SET
FLAPS	UP
MIXTURE	ADJUST
FUEL PUMP	OFF
ANTI COLL LIGHTS (STROBES)	OFF
PITOT HEAT	OFF

## SHUTDOWN

PARKING BRAKE	SET
LANDING LIGHT	OFF
ELT	MONITOR 121.50
RADIOS (TXPDR STBY)	OFF
AVIONICS MASTER	OFF
LIGHTS (APART FROM ROTATING BEACON)	OFF
THROTTLE	IDLE
MAGNETOS	CHECK
THROTTLE	1000 RPM
MIXTURE	IDLE CUT-OFF
MAGNETOS	OFF
BATTERY MASTER SWITCH	OFF
SEATBELTS	TIDY & CONTROLS SECURE
AIRCRAFT	SECURE