

Cockpit positions	LF - Left Fore	CL - Center Left	RF - Right Fore
	LM - Left Middle	C - Center	RM - Right Middle
	LA - Left Aft	CR - Center Right	RA - Right Aft

BEFORE START

- Parking Brake (C)SET
- Flaps (LA)UP
- CARB. RAM & HOT AIR CONTROL levers (LA).....FULL FWD
- Rudder Trim (LM).....SET 6° RIGHT
- Elevator Trim (LM).....SET 2-4° NOSE DOWN
- Mixture Control lever (LM)IDLE CUT-OFF
- Propeller RPM Control leverFULL FWD
- Throttle.....Advance 1 inch

ENGINE START

- Fuel Shut-Off Valve (C)ON
- Fuel Selector Valve (C)SET TO MAIN LEFT
- FUEL BOOSTER (CL)ON
- IGNITION (Magnetos) (C)BOTH
- BAT switch (RM)ON
- GEN switch (RM)ON
- Oil & Coolant Radiator Flaps Control switches (LM)AUTO
- PRIMER (CL)HOLD 3-4”
- Starter switch (CL)UNCOVER & HOLD
- Mixture Control lever (LM).....RUN

POST-START

- Radio (RM)SET & TUNED
- Oxygen Mix switch (RF)NORMAL
- Altimeter (CL).....SET
- PITOT HEAT switch (RM)ON / As req.
- POSITION LGTS switches (RM).....As des.

ENGINE WARM-UP

- ThrottleSET 1000-1200 RPM
- Oil PressureCHECK ≥ 60 psi

Wait until engine oil warms up ≥ 15° & coolant ≥ 60°

TAXI

- Parking Brake (C)RELEASE

BEFORE TAKEOFF

- Attitude Indicator (C).....UNCAGE
- Takeoff TrimCHECK
- Flaps (LA)UP or 10-20°
- CanopyCLOSE

Takeoff	Rotate	120 mph	Landing	Downwind	150 mph
	Climb	175 mph		Gear / Flaps	150 mph
				Final	120 mph

TAKEOFF

- Tail wheel.....Check straight
- Stick.....HOLD BACK
- Wheel Brakes.....HOLD
- Throttle.....Slowly advance to 35 inHg
- Wheel Brakes.....RELEASE
- ThrottleSlowly advance to 61 inHg (T/O Power)
- At 100 mph.....Center stick
- At 120 mph.....ROTATE

AFTER TAKEOFF

- ≤ 170 mph GearUP
- ≤ 165 mph FlapsUP
- Climb Power Setting46 inHg & 2700 RPM
- Climb Speed.....175 mph

CRUISE

- Power Setting36 inHg & 2400 RPM

VISUAL APPROACH & LANDING

- Altimeter (CL).....SET
- Fuel Selector Valve (C)Set to fullest internal tank
- Power Setting2700 RPM
- Pattern altitude1000 ft AGL or As req.

On Downwind

- Speed~150 mph
- GearDOWN

On Base

- Flaps.....DOWN
- Speed120 mph

On Final

- FlapsFULL
- Speed120 mph
- ThrottleIDLE (Runway assured)
- 3-point attitude.....HOLD until touch-down

After touch-down

- Stick.....HOLD BACK until taxi speed

AFTER LANDING | RUNWAY VACATED

- Flaps (LA)UP
- PITOT HEAT switch (RM)OFF
- CanopyAs des.

SHUTDOWN

- Parking Brake (C)SET
- Flaps (LA)UP
- Attitude Indicator (C)CAGE
- Throttle.....IDLE
- Mixture Control lever (LM)IDLE CUT-OFF
- FUEL BOOSTER (CL).....OFF
- IGNITION (Magnetos) (C)OFF
- Fuel Shut-Off Valve (C).....OFF
- Radio (RM)OFF
- Oxygen Mix switch (RF)CLOSE
- PITOT HEAT switch (RM)OFF
- POSITION LGTS switches (RF)OFF
- GEN switch (RF)OFF
- BAT switch (RF)OFF
- CanopyOPEN

POWER SETTINGS

Condition	RPM	Man. Pres.	Max. Duration
TAKEOFF	3000	61	5’
WEP	3000	67	5’
MILITARY	3000	61	15’
MAX CONT.	2700	46	Continuous
MAX CRUISE	2400	36	Continuous

SPEEDS

Rotate	120 mph
Gear	≤ 170 mph
Flaps	≤ 165 mph
Pattern	150 mph
Approach	120 mph
Touch-down	90 mph