

ENGINE START

- Master Switch ON
- Gear Light GREEN
- Fuel Quantity CHECK
- Cowl Flaps OPENED
- Trim Tabs SET
- Throttles OPEN ½ IN.
- Propellers controls FORWARD
- Mixture RICH
- Fuel Pump** **ON/PRIME (+/- 5s)**
- Mixtures IDLE
- Magneto Switches ON
- Propellers CLEAR
- Starters*** **ENGAGE (10s max)**

***Cranking periods should be limited to 30 SECONDS with a 2 MINUTE INTERVAL.**

- Mixtures ADVANCE
- Oil/Fuel Pressure** **CHECK (30s)**

FLOODED START

- Magneto Switches ON
- Throttles OPEN
- Mixture IDLE
- Fuel Pump OFF
- Starter* ENGAGE

When engine fires, retard throttle and advance mixture.

TAXIING

- Parking Brake RELEASE
- Brakes TEST
- Instruments CHECK
- Taxi lights ON

WARM UP & GROUND CHECK

- Warm Up at 1000-1400RPM MAX 2'W/4'C
- AVOID PROLONGED IDLING AT LOW RPM
- Parking Brake ON
- Flight Controls CHECK
- Mixture FORWARD
- Propeller FORWARD
- Throttle 1500 RPM
- Propeller (Not More Than 500) . EXERCISE
- Throttle 2200 RPM
- Magnetos L&R (175/50)
- Engine Gauges CHECK
- Ammeter CHECK
- Throttle REDUCE
- Lights/Pitot Heat AS REQUIRED
- Instruments CHECK/SET
- Generators ON
- Fuel Selectors ON MAIN FUEL CELLS
- Door/Windows LOCK
- COM/NAV/Lights/Transponder . SET
- Flaps/Trim SET
- Clearance OBTAIN
- Take Off Briefing COMPLETED

LINING UP

- Parking Brake OFF
- Fuel Pumps ON
- Transponder ON/ALT
- Strobe Lights ON
- Landing Lights AS REQUIRED

ROLLING

- Power (Take OFF) SET
- Man. Press./RPM/Fuel Flow CHECK
- Speed RISING
- Accelerate to Vmc Prior Climb .. 90 MPH

AFTER TAKEOFF

- Gear (Vlo 150MPH) POS. CLIMB/UP
- Vy 112 MPH
- Power (Climb) SET (24/2400)
- Flaps (Vfe 125 MPH) RETRACT
- Landing Lights OFF
- Fuel Pumps OFF

SHORT & SOFT FIELD TAKEOFF

- Flaps SET FOR T/O
- Brakes SET
- Power MAXIMUM
- Instruments CHECK

If airborne before Vmc fly low level to reach Vmc 90MPH.

Before Vmc be ready to reduce power promptly.

- Vx 90 MPH
- Landing Gear RETRACT
- Vy (clear of obstacle) 112 MPH
- Flaps RETRACT

CLIMB

- Throttles/Props** **SET CLIMB (24/2400)**
- Enroute Climb 130 MPH

CRUISE

- Throttles-Props** **SET/TABLE (18/2100)**
- Mixture ADJUST
- Tanks AS NEEDED
- Instruments AS NEEDED

Under ONE Engine Flight Conditions Maintain IAS ABOVE 97 MPH

STALL SPEED TABLE (CAS)

Angle of Bank	Gear & Flaps Up	Gear & Flaps Down
0°	76	69
20°	79	71
40°	87	79
60°	108	98

V SPEEDS (MPH)	Vmc	90	Vx	90	Vfe	125	Vne	205
	Vyse	105	Vy	112	Vlo	150	Crosswind	20

