

SOFTWARE SETUP

Simstarter NG Profile : Delta VATSIM

CABIN

Pilot Tube Cover : REMOVE

Pilot's Operating Handbook : AVAILABLE

Airplane Weight and Balance : CHECKED

Parking Brake : SET

Control Wheel Lock : REMOVE

Ignition Switch : OFF

Avionics Master Switch : OFF

Master Switch : ON

Fuel Quantity Indicators : CHECK

Avionics Master Switch : OFF

Static Pressure Alternative Source Valve : OFF

Annunciator Panel Switch: TEST

Fuel Selector Valve : BOTH

Fuel Shutoff Valve : ON

Flaps : EXTEND

Pitot Heat : ON

Pitot Heat : OFF

Master Switch : OFF

Elevator Trim : SET FOR TAKEOFF

Baggage Door : CHECK

Aitopilot Static Source Opening : CHECK

BEFORE STARTING ENGINE

Preflight Inspection : COMPLETE

Passenger Briefing : COMPLETE

Seats and Seat Belts : ADJUST and LOCK

Brakes : TEST and SET

Circuit Breakers : CHECK IN

Electrical Equipment : OFF

Avionics Master Switch : OFF

Fuel Selector Valve : BOTH

Fuel Shutoff Valve : ON

Avionics Circuit Breakers : CHECK IN

BATTERY ENGINE START

Throttle : OPEN 1/4 INCH

Mixture : IDLE CUTOFF

Propeller Area : CLEAR

Master Switch : ON

Flashing Beacon : ON

Auxiliary Fuel Pump : ON

Mixture : FULL RICH UNTIL STABLE FUEL FLOW

Auxiliary Fuel Pump : OFF

Ignition : START

Mixture : ADVANCE SMOOTHLY TO RICH

Oil Pressure : CHECK

Navigation Lights : AS REQUIRED

Electrical System : CHECK

– Master Switch : OFF

– Taxi and Landing Light Switches : ON

– Engine RPM : REDUCE

– Master Switch : ON

– Engine RPM : INCREASE

– Ammeter and Low Voltage Annunciator : CHECK

Avionics Master Switch : ON

Radios : ON

Flaps : RETRACT

Mixture : LEAN

BEFORE TAKEOFF

Parking Brake : SET

Seat Backs : UPRIGHT

Seat and Seat Belts : CHECK SECURE

Cabin Doors : CLOSED AND LOCKED

Flight Controls : FREE AND CORRECT

Fuel Quantity : CHECK

Mixture : RICH

Fuel Selector Valve : RECHECK BOTH

Throttle : 1800 RPM

– Magnetos : CHECK

– Vacuum Gauge : CHECK

– Engine Instruments and Ammeter : CHECK

Annunciator Panel : CHECK

Throttle : CHECK IDLE

Throttle : 1000 RPM OR LESS

Throttle Friction Lock : ADJUST

Strobe Lights : AS DESIRED

Radio and Avionics : SET

NAV/GPS Switch : SET

Autopilot : OFF

Elevator Trim : SET FOR T/O

Flaps : SET FOR T/O

Brakes : RELEASE

NORMAL TAKEOFF

Flaps : 0–10

Throttle : FULL OPEN

Mixture : RICH

At 55 KIAS, ROTATE

Climb Speed : 70–80 KIAS

Flaps : RETRACT

SHORT FIELD TAKEOFF

Flaps : 10

Brakes : APPLY

Throttle : FULL OPEN

Mixture : RICH

Brakes : RELEASE

Elevator : TAIL LOW

Climb Speed : 57 KIAS UNTIL OBSTACLES CLEARED

Flaps : RETRACT at 60 KIAS

ENROUTE CLIMB

Airspeed : 70–85 KIAS

Throttle : FULL OPEN

Mixture : LEAN ABOVE 3000' MSL

CRUISE

Power : 2000–2400 RPM

Mixture : LEAN

DESCENT

Power : AS DESIRED
Mixture : ADJUST
Altimeter : SET
NAV/GPS switch : SET
Fuel Selector Valve : BOTH
Flaps : AS DESIRED
– 0–10 below 110 KIAS
– 10–30 below 85 KIAS

BEFORE LANDING

Seat Backs : UPRIGHT
Fuel Selector Valve : BOTH
Mixture : RICH
Landing/Taxi Lights : ON
Autopilot : OFF

NORMAL LANDING

Airspeed : 65–75 KIAS (Flaps Up)
Flaps : AS DESIRED
– 0–10 below 110 KIAS
– 10–30 below 85 KIAS
Airspeed : 60–70 KIAS (Flaps Down)
Touchdown : MAIN WHEELS FIRST
Landing Roll : LOWER NOSE WHEEL GENTLY
Braking : MINIMUM REQUIRED

SHORT FIELD LANDING

Airspeed : 65–75 KIAS (Flaps Up)
Flaps : FULL DOWN
Airspeed : 62 KIAS
Power : IDLE AFTER CLEARING OBSTACLE
Touchdown : MAIN WHEELS FIRST
Landing Roll : LOWER NOSE WHEEL GENTLY
Braking : APPLY HEAVILY
Flaps : RETRACT

BALKED LANDING

Throttle : FULL OPEN
Flaps : RETRACT TO 20
Climb Speed : 55 KIAS
FLAPS: 10 UNTIL OBSTACLES CLEARED
FLAPS: RETRACT AT 60 KIAS

AFTER LANDING

Flaps : UP

SECURING AIRPLANE

Parking Brake : SET
Electrical Equipment : OFF
Autopilot : OFF
Avionics Master Switch : OFF
Mixture : IDLE CUT OFF
Ignition Switch : OFF
Master Switch : OFF
Control Lock : INSTALL
Fuel Selector Valve : LEFT or RIGHT