

CESSNA N50497

THIS IS NOT AN OFFICIAL DOCUMENT. DO NOT RELY ON THIS INFORMATION FOR AIRCRAFT OPERATIONS.
ALWAYS USE THE OFFICIAL PILOT OPERATING HANDBOOK OR AIRCRAFT MANUAL.

PREFLIGHT INSPECTION

CABIN

Certificates/Documents.....IN AIRCRAFT
Control Wheel Lock.....REMOVE
Ignition Switch.....**OFF**
Master Switch.....**ON**
Fuel Quantity Indicators.....CHECK QUANTITY
Flaps.....DOWN FOR INSPECTION
Lights.....CHECK (as required for night)
Master Switch.....**OFF**
Fuel Selector Valve.....**ON**
Baggage.....CHECK SECURE

EMPENNAGE

Tail Tie-Down.....DISCONNECT
Control Surfaces..CHECK FREEDOM and SECURE

RIGHT WING

Aileron.....CHECK FREEDOM & SECURE
Wing Tie-Down.....DISCONNECT
Main Wheel Tire.....CHECK (Inflation/Condition)
Fuel Tank Sump Quick-Drain Valve.....DRAIN
Fuel Quantity.....CHECK VISUALLY
Fuel Filler Cap.....SECURE

NOSE

Engine Oil Dipstick.....(4-6 qts) CHECK/SECURE
Fuel Strainer Drain Knob.....PULL OUT (4sec)
Propeller & Spinner.....CHECK
Landing Light(s).....CHECK
Carburetor Air Filter.....CHECK
Nose Wheel Strut & Tire.....CHECK (infl./cond.)
Wheel Chocks.....REMOVE
Windshield.....CHECK CLEAN
Static Source Opening.....CHECK

LEFT WING

Main Wheel Tire.....CHECK (infl./cond.)
Fuel Tank Sump Quick Drain Valve.....DRAIN
Fuel Quantity.....CHECK VISUALLY
Fuel Filler Cap.....SECURE
Pitot Tube/Cover.....CHECK/REMOVE
Fuel Tank Vent Opening.....CHECK
Stall Warning Opening.....CHECK
Wing Tie-Down.....DISCONNECT
Aileron.....CHECK FREEDOM & SECURE

BEFORE STARTING ENGINE

Chocks.....REMOVE
Preflight Inspection.....COMPLETE
Passenger Briefing.....COMPLETE
Seats & Seat Belts.....ADJUST & LOCK
Fuel Valve Handle.....**ON**
Avionics Power Switch, Electrical Equipment..OFF
Brakes.....SET

STARTING ENGINE

Avionics.....**OFF**
Mixture.....RICH
Carburetor Heat.....COLD (IN)
Prime.....AS REQUIRED (2-6)
Throttle.....OPEN 1/4"
Master Switch.....**ON**
Propeller Area.....CLEAR
Magnetos (Ignition Switch).....**ON**

Starter.....PULL
Oil Pressure.....CHECK
Throttle.....WARM UP @ 1000RPM
Mixture.....Lean for smooth running
Avionics.....**ON**

BEFORE TAXI

Lights & Flashing Beacon.....AS REQUIRED
Radio Master.....ON/RADIOS SET
DG.....SET
Flaps.....UP
Brakes.....TEST

BEFORE TAKEOFF

Brakes.....SET/HOLD
Seats, Belts, Harnesses.....CHECK SECURE
Doors and Windows.....LATCHED
Flight Controls.....FREE & CORRECT
Fuel Valve.....**ON**
Fuel Quantity.....CHECK
Mixture.....RICH
Throttle.....1700 RPM
Magnetos...CHECK (125 max/75 max diff)
Carburetor Heat.....Check for RPM drop
Engine Instruments & Ammeter.....
WITHIN GREEN ARC
Suction Gage.....CHECK
Throttle.....IDLE
Throttle Friction Lock.....ADJUST
Elevator Trim.....SET for T/O
Flight Instruments.....CHECK & SET
Radios.....SET
Transponder.....ALTITUDE
Wing Flaps.....SET for takeoff
Lights.....AS DESIRED
Brakes.....RELEASE

TAKEOFF

NORMAL

Wing Flaps.....UP
Carburetor Heat.....COLD (IN)
Throttle.....FULL OPEN
Elevator Control...LIFT NOSE WHEEL (50 MPH)
Climb Speed.....73 MPH

SHORT FIELD TAKEOFF

Wing Flaps.....0 degrees
Soft field....10 degrees
Carburetor Heat.....COLD (IN)
Brakes.....HOLD
Throttle.....FULL OPEN
Mixture.....RICH
Brakes.....RELEASE
Elevator Control.....SLIGHTLY TAIL LOW
Climb Speed.....57 MPH until Obstacles cleared
Wing Flaps.....Retract Slowly

ENROUTE CLIMB

Airspeed.....75-80 MPH
Throttle.....FULL OPEN
Mixture.....RICH

CRUISE

Power.....2000 - 2750 RPM
Elevator Trim.....ADJUST
Mixture.....LEAN

DESCENT

Power.....AS DESIRED
 Mixture.....ADJUST
 Carburetor Heat.....FULL HEAT (OUT) AS REQD

BEFORE LANDING

Mixture.....RICH
 Seats & Seat Belts.....SECURE
 Fuel Selector Valve.....ON
 Carb Heat....Apply Full Heat Before Closing Throttle

LANDING

NORMAL LANDING

Airspeed.....65 - 75 MPH (flaps up)
 Wing Flaps.....AS DESIRED
 Airspeed.....60 - 70 MPH (flaps down)
 Touchdown.....MAINS FIRST
 Landing Roll.....lower nose wheel gently
 Braking.....MINIMUM REQUIRED

SHORT FIELD LANDING

Airspeed.....65 - 75 MPH (flaps up)
 Wing Flaps.....40°
 Airspeed.....58 MPH(until flare)
 Throttle...REDUCE to Idle after clearing obstacle
 Touchdown.....MAINS FIRST
 Landing Roll.....Lower Nose Wheel Gently
 Braking.....AS REQUIRED
 Wing Flaps.....RETRACT

GO-AROUND

Throttle.....FULL OPEN
 Carburetor Heat.....COLD (IN)
 Wing Flaps.....20° (immediately)
 Climb Speed.....57 MPH
 Wing Flaps.....10 (until obstacles cleared)
 Then RETRACT after reaching safe alt.

AFTER LANDING

Carburetor Heat.....COLD (IN)
 Wing Flaps.....UP
 Transponder.....OFF
 Lights.....As Required

SHUTDOWN

Brakes.....SET
 Avionics Master.....OFF
 Electrical Equipment & Lights.....OFF
 Mixture.....IDLE CUTOFF
 Ignition Switch.....OFF
 Master.....OFF
 Control Lock.....INSTALL
 Hobbs.....RECORD
 Aircraft.....SECURE
 Flight Plan.....CLOSE

ENGINE FAILURE DURING TAKEOFF RUN

Throttle.....IDLE
 Brakes.....APPLY
 Wing Flaps.....RETRACT
 Mixture.....IDLE CUT-OFF
 Ignition Switch.....OFF
 Master Switch.....OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed65 MPH
 Mixture.....IDLE CUT-OFF
 Fuel Selector Valve.....OFF
 Ignition Switch.....OFF
 Wing FlapsAs Required

Master Switch.....OFF

ENGINE FAILURE DURING FLIGHT

Airspeed.....80 MPH
 Carb Heat.....ON
 Fuel Selector Valve.....ON
 Mixture.....RICH
 Ignition Switch.....BOTH
 Primer.....IN & LOCKED
 Transponder.....7700
 Radio.....121.5 MAYDAY!

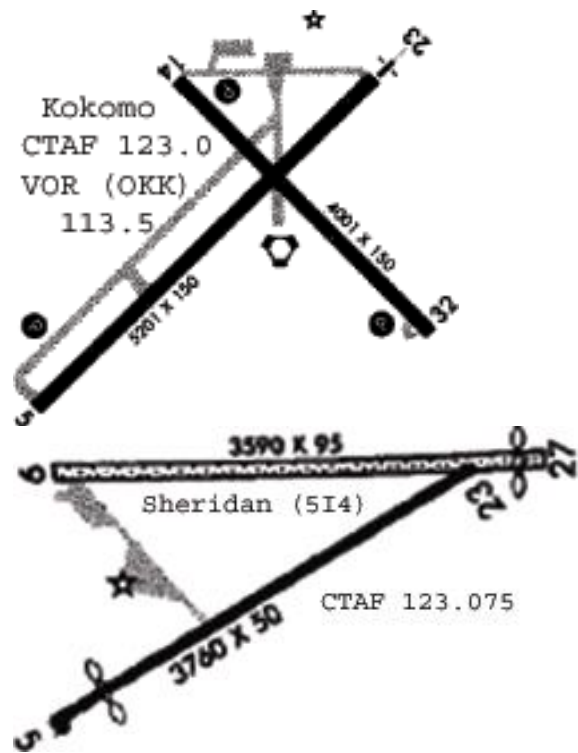
EMERGENCY LANDING W/O POWER

Airspeed....70 MPH (flaps up) 65 MPH (flaps down)
 Mixture.....CUT-OFF
 Fuel Selector Valve.....OFF
 Ignition Switch.....OFF
 Wing FlapsAs required
 Master Switch.....OFF
 DoorsUNLATCH PRIOR TO TOUCHDOWN
 Touchdown.....Slightly Tail Low (min. speed)
 Brakes.....APPLY HEAVILY

Max Weight 1600 lbs
 Useful Load 515 lbs
 Useful Load after Full Fuel 368 lbs
 Max Baggage 120 lbs

Oil Capacity 6 qts Fuel Capacity 26 gal Usable Fuel 22.5

Vso	49 MPH	Vfe	100 MPH	Downwnd	75mph
Vs1	56 MPH	Va	109 MPH	Base	70mph
Vx	57 MPH	Vno	120 MPH	Final	65mph
Glide	65 MPH	Vne	162 MPH	Short	60mph
Vy	73 MPH			TAS	95kts



SHERIDAN 123.075