

VH-KTN

BEFORE STARTING ENGINE CHECKLIST

PAX Brief.....COMPLETED
Pre Flight Inspection.....COMPLETED
Flight Schedule Pro.....CHECKED OUT
Maintenance release...COMPLETE & ONBOARD
W&B.....COMPLETE & ONBOARD
Fuel log.....CONFIRMED AND RECORDED
Seats/Belts.....LOCK, FASTEN & ADJUSTED
Park Brake.....SET
Fuel Selector.....LEFT OR LEAST
Alternate Static.....OFF
Compass.....CHECK
Radio Power.....OFF
A/P, TRIM, EFIS and FLIGHT DIRECTOR OFF
Transponder.....SET TO STBY
Auto Pilot.....OFF
Battery Master Switch & ALTR Switch.....ON
Panel & Cabin Lights.....AS REQUIRED
Circuit Breakers.....CHECK IN
Carburettor Heat.....OFF
Trim – Elevator and Rudder SET NEUTRAL
Flight Controls.....FULL FREE AND CORRECT
Engine Fire On Start Brief.....COMPLETED
ATIS.....COMPLETED

CONDUCT START PROCEDURE (HOT, COLD, FLOODED)

COLD START

Fuel Pump.....ON & CHECK PRESSURE
Mixture.....FULL RICH
Throttle.....0.6 CM OPEN
Prime.....SIX SHOTS, LOCK – CRANK
Propeller Area.....CLEAR AND CALL
Landing Light (night).....FLASH ON AND OFF
Starter.....ENGAGE

*IF ENGINE DOES NOT START
WITHIN 10 SECONDS, DISENGAGE
STARTER, PRIME AS REQUIRED,
AND REPEAT PROCEDURE*

WHEN ENGINE STARTS AND IS RUNNING

Throttle.....SET TO 1000 RPM
Oil Pressure...SHUT DOWN IF NOT UP IN 30 SEC
Mixture.....LEAN AS REQUIRED

HOT START

Fuel Pump.....ON & CHECK PRESSURE
Mixture.....FULL RICH
Throttle.....1.25 CM OPEN
Prime.....THREE SHOTS, LOCK - CRANK
Propeller Area.....CLEAR AND CALL
Landing Light (night).....FLASH ON AND OFF
Starter.....ENGAGE

WHEN ENGINE STARTS AND IS RUNNING

Throttle.....SET TO 1000 RPM
Oil Pressure...SHUT DOWN IF NOT UP IN 30 SEC
Mixture.....LEAN AS REQUIRED

FLOODED ENGINE START

Electric Fuel Boost Pump.....OFF
Mixture.....IDLE CUT OFF
Throttle.....FULLY OPEN
Propeller Area.....CLEAR AND CALL
Landing Light (night).....FLASH ON AND OFF
Starter.....ENGAGE

WHEN ENGINE STARTS AND IS RUNNING

Mixture.....ADVANCE TO FULL RICH
Throttle.....RETARD AND SET TO 1000 RPM
Oil Pressure...SHUT DOWN IF NOT UP IN 30 SEC
Mixture.....LEAN AS REQUIRED

AFTER START

Ammeter.....CHARGING
NavLights.....ON
StrobeLights.....ON
Fuel Log.....ENGINE START TIME RECORDED
Avionics Master Switch.....ON
EMS.....CHECK & SET FUEL QTY
PFD Master Switch.....ON
IFD GPS Database.....CURRENT (IFR)
Transponder.....CODE SET AND STANDBY
PFD.....DISPLAY CHECKED AND ACTIVATED
QNH.....SET & ELEV CONFIRMED
IFD Flight Plan.....LOADED AND ACTIVATED
Auto Pilot.....FUNCTIONAL CHECK
Auto Pilot Switch.....ON
Auto Pilot Selector.....OFF
ATIS/AWIS.....COPIED/CONFIRMED
ParkingBrake.....RELEASED

TAXI

Brakes and Steering.....CHECKED
PFD.....CHECKED AGAINST TURNS
STBY AH.....CHECKED AGAINST TURNS
COMPASS.....CHECKED AGAINST TURNS
Turn/Bank Indicator..CHECKED AGAINST TURNS
IFD.....SET AND TRACKING

RUN UP

Position.....CLEAR FOR RUN UP
Parking Brake.....SET & HOLDING
Throttle.....SET TO 1000 RPM
T's & P's.....CHECKED & IN THE GREEN
Fuel Selector.....CHANGE TO FULLEST TANK
Fuel Log.....RECORD TIME
Primer.....VERIFIED LOCKED
Mixture.....FULL RICH
Throttle.....2000 RPM
Magnetos.....
.....MAX DROP 175 RPM, MAX DIFF 50RPM
Oil temp.....CHECK IN THE GREEN
Oil pressure.....CHECK IN THE GREEN
Fuel pressure.....CHECK IN THE GREEN
Ammeter.....CHARGING
Annunciator Panel Lights.....CHECK
Carburettor heat.....CHECK OPERATION
Electric Fuel Boost Pump.....OFF
Fuel pressure.....CHECK IN THE GREEN
Slow Idle (Throttle Closed).....CHECK
Throttle.....1000 RPM

BEFORE TAKE OFF

Electric Fuel Boost Pump.....ON
Fuel pressure.....STEADY AND CONFIRMED
Magnetos.....SET TO BOTH
Radios.....FREQ SET
PFD & IFD.....SET & CHECKED
Transponder.....STBY & CODE SET
Circuit Breakers.....CHECK ALL IN
Heading.....SET TO DEPARTURE HEADING
Assigned Alt Indicators.....SET TO DEP ALT
Auto Pilot (Selector).....OFF
Mixture.....SET
Throttle Friction Lock.....SET
Carburettor heat.....OFF
Flaps.....OPERATION & SET AS REQUIRED
Elevator & Rudder Trim.....SET FOR TAKE OFF
Flight Controls.....FREE, FULL & CORRECT
Seats.....ADJUSTED AND LOCKED
Empty Seats.....SEAT BELTS FASTENED
Harness.....FASTENED AND SECURE
Cabin Door & Window.....CLOSED AND LATCHED

Departure Brief.....CONDUCTED
Pre-Take Off Safety Briefing.....CONDUCTED
Turn back altitude.....AGREED AND BRIEFED
Radio calls & clearances.....MADE & RECEIVED
Park Brake.....RELEASE

AIRSPEEDS FOR NORMAL OPERATIONS

Best Glide Speed (Flaps Up) 76 KIAS
Never Exceed Speed (V_{NE}) 154 KIAS
Max Structural Cruising Speed (V_{NO}) 125 KIAS
Max Flap Speed.....102 KIAS
Turbulent air operating speed..... 113 KIAS
Max Flaps Extended Speed (V_{FE}) 102 KIAS
Rotate (V_R) 65 KIAS
Take Off Safety Speed (V_{TOSS}) 65 KIAS
Best Rate of Climb (V_Y) 76 KIAS
Best Angle of Climb (V_X) 64 KIAS
Cruise Climb..... 87 KIAS
Max Demonstrated Cross Wind 17 KIAS
Stall Speed (V_{SI}) 0° bank 0° flaps 54 KIAS
Stall Speed (V_{SI}) 0° bank 40° flaps 48 KIAS
Stall Speed (V_{SI}) 30° bank 0° flaps 59 KIAS
Stall Speed (V_{SI}) 30° bank 40° flaps 53 KIAS
Final Approach Speed (Full Flaps 40°)..... 66 KIAS

Top Of Climb

Trim SET STRAIGHT & LEVEL
Air Speed CRUISE SPEED ACHIEVED
Power CRUISE POWER SET
Mixture..... LEANED AS REQUIRED
Engine..... T's & P's IN THE GREEN
Altimeter AREA QNH SET
Lights..... LANDING LIGHT OFF
Auto Pilot ON & SET AS REQUIRED
Top Climb Time..... NOTED & RECORDED

CLEAROFF

Approach Checklist

Compass.....Aligned/synced/slaved
Altimeter(Atis/Awis recieved).....QNH SET
Nav Aids (As Required).....TITSO
-HSI CDI SOURCE (GPS/VLOC).....Selected
-OBS FUNCTION.....Considered
-RNAV RAIM INTEGRITY.....Checked
-ILS MARKER.....Tested, Audio On
-RNAV FLAGS IDENT.....On

**BUMFISH
CPUFF**