

TAKEOFF

THROTTLE.....FULL
ENGINE INSTRUMENTS.....CHECK
ROTATE AT 60 KTS, ESTABLISH Vy/Vx
CLIMB SPEED AS APPROPRIATE

CLIMB

PASSING 1000 FT AGL OR LEAVING APT
CRUISE CLIMB.....87KTS
FLAPS.....UP
LANDING LIGHT.....OFF
FUEL PUMP.....OFF

CRUISE

POWER.....SET
MIXTURE.....LEAN AS REQ
FUEL SELECTOR.....PROPER TANK
INSTRUMENTS.....CHECK

APPROACH

15 NM FROM DEST. AIRPORT

ATIS/AWOS.....CHECK
CTAF/TWR FREQ.....LOAD
APPROACH BRIEF.....COMPLETE
APPROACH PROC.....LOAD (AND ID IF REQ.)
DEST ALTIMETER.....SET
MIXTURE.....RICH IN DESCENT
FUEL SELECTOR.....PROPER TANK
CARB HEAT.....AS REQ
LANDING LIGHT.....ON
SEAT BELTS.....FASTENED

PRE LANDING

POWER.....REDUCE
FLAPS.....SET
MIXTURE.....RICH
FUEL PUMP.....ON
FUEL SEL.....PROPER TANK
CARB HEAT.....AS REQ

GO AROUND

POWER.....FULL
CLIMB.....ACCOMPLISH
FLAPS.....RETRACT IN CLIMB
NOTIFY ATC OR MAKE CALL ON CTAF

AFTER LANDING

FLAPS.....UP
CARB HEAT.....OFF
FUEL PUMP.....OFF
WING STROBES.....OFF
PITOT HEAT.....OFF
MIXTURE.....LEAN FOR TAXI
TRIM.....TAKEOFF
(IF IFR) FLIGHT PLAN.....CANCEL

SECURING

XPDR CODE.....1200
AVIONICS.....OFF
MIXTURE.....CUTOFF
MAGS.....OFF
LIGHTS.....OFF
BATT MASTER/ALT.....OFF
HOBBS/TACH.....RECORD
CONTROLS.....LOCK
TIEDOWNS.....REPLACE
PITOT COVER.....INSTALL
DOORS.....SECURE
*CHECK TO ENSURE ALL ITEMS ARE
REMOVED*

**REMEMBER TO CLOSE YOUR FLIGHT
PLAN**

AIRCRAFT V SPEEDS (KIAS)

Vr - 60 Vx- 64 Vy - 76 Vso - 49 Vs - 55
Vg - 76 Va - 113 Vno - 125 Vne - 154
Vfe - 102 Vappch - 75

CSAC Front Desk: 281-993-1151

LVJ CTAF: 122.725 LVJ ASOS: 118.525
APP/DEP: 134.45 CLNC DEL: 124.0
PRACTICE AREA 123.5



NORMAL CHECKLIST N78BG

PREFLIGHT

WEATHER BRIEF.....OBTAIN
TOL/CRUISE FIGURES.....COMPUTE
MX INSPECTIONS.....VERIFY
FLIGHT PLAN.....FILE
ACFT. DOCUMENTS.....INSPECT
TIE DOWNS/COVERS.....REMOVE
FUEL SELECTOR.....PROPER TANK
CIRCUIT BREAKERS.....CHECK IN
HOBBS/TACH.....RECORD
ALT STATIC.....CHECK
BATT MASTER.....ON
PITOT HEAT.....TEST
LIGHTS.....CHECK
STALL TAB.....CHECK
FUEL GAUGES.....VERIFY TRUE
LIGHTS/PITOT HEAT.....OFF
BATT MASTER.....OFF
FLAPS.....EXTEND
PITOT/STATIC LINE.....DRAIN
AILERONS.....FULL LEFT
FUEL LEVEL/QUALITY.....CHECK
CAPS/DRAINS/VENTS.....CHECK
ENGINE OIL.....CHECK (MIN 6 QT)
PROP.....INSPECT
ALTERNATOR BELT.....CHECK
COWLING.....CHECK SECURE
EXHAUST PIPES.....CHECK SECURE
CONTROLS/SURFACES.....INSPECT
PITOT/STATIC MAST.....INSPECT
LANDING GEAR.....INSPECT
ANTENNAS.....CHECK SECURE
CHOCKS/TOWBAR.....REMOVE
BAGGAGE DOOR.....CHECK SECURE
FINAL WALK AROUND.....COMPLETE

BEFORE START

FLAPS.....UP
PASSENGER BRIEF.....ACCOMPLISH
S - SEATS AND SEATBELTS
A - AIR VENTS
F - FIRE
E - EXITS
T - TALKING/STERILE COCKPIT
Y - YOUR QUESTIONS
SEATBELTS.....FASTENED
BRAKES.....SET
SEATS.....LOCKED
AVIONICS MASTER.....OFF
AUTOPILOT.....OFF
CARB HEAT.....OFF
BATT MASTER/ALT.....ON
FIN STROBE.....ON

ENGINE START

MIXTURE.....RICH
THROTTLE.....SLIGHT
FUEL PUMP.....ON
IF COLD ENGINE.....PRIME
PROP.....CLEAR
MAGS.....ON
STARTER.....ENGAGE*
**IF ENGINE DOES NOT START WITHIN 5 SECONDS, STOP AND WAIT 10 SECONDS BEFORE ATTEMPTING TO START AGAIN.*
ENGINE RPM.....1000
FUEL PUMP.....OFF
FUEL PRESSURE.....CHECK
OIL PRESSURE/TEMP.....CHECK
MIXTURE.....LEAN TO PEAK RPM

PRE TAXI

NAV LIGHTS (NIGHT/LOW VIS).....ON
HEAT (IF NEEDED).....ON
FAN (IF NEEDED).....ON
AVIONICS MASTER.....ON
GPS DATABASE.....VERIFY CURRENT
(IF IFR) WAAS/RAIM.....CHECK
FREQUENCIES.....LOAD
(CONTINUED ON NEXT PAGE)

ATIS/AWOS.....OBTAIN
ALTIMETER.....SET
IFR CLEARANCE.....OBTAIN*
IF DEPARTING FROM NON-TOWERED FIELD, MAY BE DONE AFTER RUN-UP
FLIGHT PLAN.....LOAD
XPDR.....ALT MODE/SQWK CODE
FLIGHT INSTRUMENTS.....CHECK
TAXI DIAGRAM.....CHECK
TAXI ROUTE.....BRIEF
LANDING LIGHT.....ON
BRAKES.....RELEASE/TEST
TAXI CLEARANCE.....OBTAIN*
**IF AT NON-TOWERED FIELD, ANNOUNCE INTENTIONS ON CTAF*
INSTRUMENTS.....CHECK IN TURNS

RUN UP

BRAKES.....SET
TRIM.....SET TO TAKEOFF
FLIGHT CONTROLS.....TEST
INDICATOR LIGHTS.....TEST
OIL TEMP.....CHECK
MIXTURE.....RICH
THROTTLE.....2000 RPM
MAGNETOS.....TEST
MAX 175 RPM DROP/ MAX 50RPM DIFF
CARB HEAT.....TEST
VACUUM PRESSURE.....CHECK
AMPS/VOLTS.....CHECK
OIL PRESS/TEMP.....CHECK
THROTTLE.....IDLE CHECK
THROTTLE.....1000RPM
THROTTLE FRICTION.....CHECK

PRE TAKEOFF

FLAPS.....SET
MIXTURE.....BEST POWER
FUEL PUMP.....ON
CARB HEAT.....OFF
DEPARTURE BRIEF.....ACCOMPLISH
EMERGENCY PLAN.....BRIEF
TRANSPONDER.....ALT/SQWK CODE
(CONTINUED ON NEXT PAGE)

DOOR/WINDOW.....SECURE
LANDING LIGHT.....ON
STROBES.....ON
BRAKE.....RELEASE
TIMER.....START

EMERGENCY BRIEFING

ENGINE ISSUE PRIOR TO ROTATION:
THROTTLE.....IDLE
BRAKES.....SMOOTHLY APPLY
STOP STRAIGHT AHEAD

IF NOT ENOUGH RUNWAY REMAINS TO STOP:

MIXTURE.....CUTOFF
MAGS.....OFF
BAT MASTER/ ALTERNATOR.....OFF
FUEL SELECTOR.....OFF
AVOID OBSTACLES

ENGINE ISSUE AFTER ROTATION WITH SUFFICIENT RUNWAY REMAINING FOR A COMPLETE STOP:

THROTTLE.....IDLE
FLAPS.....AS REQ.
LAND.....STRAIGHT AHEAD
BRAKES.....SMOOTHLY APPLY

ENGINE ISSUE AFTER ROTATION WITH NO RUNWAY REMAINING:

AIRSPEED.....76KIAS
FLAPS.....AS REQ.
MIXTURE.....CUTOFF
MAGS.....OFF
BAT MASTER/ ALTERNATOR.....OFF
FUEL SELECTOR.....OFF
LAND AT LOWEST POSSIBLE AIRSPEED, WITHIN 30°, AND AVOID OBSTACLES

***CONTINUE PRE TAKEOFF CHECKLIST**