

TAKEOFF

THROTTLE.....FULL
ENGINE INSTRUMENTS.....CHECK
ROTATE AT 57 KTS, ESTABLISH V_y/V_x
CLIMB SPEED AS APPROPRIATE

CLIMB

*WHEN CLEAR OF TRAFFIC PATTERN
(AT OR ABOVE 1000 FT AGL)*

CRUISE CLIMB.....80KTS
FLAPS.....UP
LANDING LIGHT.....OFF

CRUISE

POWER.....SET
MIXTURE.....LEAN AS REQ
INSTRUMENTS.....CHECK
HEADING INDICATOR.....SET
CHECK EVERY 15 MINS..... SET TIMER

APPROACH

15 NM FROM AIRPORT

AWOS / ATIS.....CHECK
APPROACH BRIEFING.....BRIEF
APPROACH PROCEDURE (*IF IFR)....LOAD
DESTINATION ALTIMETER.....SET
HEADING INDICATOR.....SET
CTAF / TOWER FREQ.....LOAD / VERIFY
MIXTURE.....**RICH** IN DESCENT
CARB HEAT.....**ON** IN DESCENT
LANDING LIGHT.....**ON**
SEAT BELTS.....FASTENED

PRE LANDING

POWER.....REDUCE
FLAPS.....SET
MIXTURE.....**RICH**
CARB HEAT.....**ON**
FUEL SELECTOR.....**BOTH**

GO AROUND

POWER.....FULL
CARB HEAT.....OFF
CLIMB.....ACCOMPLISH
FLAPS.....RETRACT IN CLIMB
.....NOTIFY TWR OR MAKE CTAF CALL.....

AFTER LANDING

ONCE AIRCRAFT IS STOPPED

FLAPS.....UP
CARB HEAT.....OFF
MIXTURE.....LEAN FOR TAXI
PITOT HEAT.....OFF
TRIM.....TAKEOFF
FLIGHT PLAN (IF IFR OR VFR FLIGHT
PLAN).....**CANCEL**

SECURING

TRANSPONDER CODE.....1200
AVIONICS.....OFF
MIXTURE.....CUTOFF
MAGS.....OFF WHEN PROP STOPPED
LIGHTS.....OFF
BATT MASTER/ALT.....OFF
FUEL SEL.....LEFT TANK
HOBBS/TACH.....RECORD
CONTROL LOCK.....INSERT
TIEDOWNS.....SECURE
PITOT COVER.....SECURE
THROTTLE LOCK.....SECURE
DOORS.....SECURE (**LOCK LEFT DOOR**)
>> REMOVE ALL PERSONAL ITEMS <<

REMEMBER: CLOSE YOUR FLIGHT PLAN

AIRCRAFT V SPEEDS (KIAS)

V_r - 57 V_x - 62 V_y - 73 V_{so} - 40 V_s - 50
 V_g - 70 V_a - 105 V_{no} - 127 V_{ne} - 158
 V_{fe} (10 / 20 & 30) - 110 / 85 V_{appch} - 75

CSAC Front Desk: 281-993-1151

LBX CTAF: 123.000 LBX ASOS: 119.925
APP/DEP: 134.450 FSS: 122.200
CLEARANCE DELIVERY: 125.200



NORMAL CHECKLIST N738BA

PREFLIGHT

WEATHER BRIEFING.....OBTAIN
TOL/CRUISE FIGURES.....COMPUTE
MX INSPECTIONS.....VERIFY
AIRCRAFT DOCUMENTS.....INSPECT
TIE DOWNS/COVERS.....REMOVE
FUEL SELECTOR.....**BOTH**
CONTROL LOCK.....REMOVE
CIRCUIT BREAKERS.....CHECK IN
HOBBS/TACH.....RECORD
ALT STATIC.....TEST
BATT MASTER.....**ON**
FLAPS.....EXTEND
PITOT HEAT.....TEST
LIGHTS.....CHECK
FUEL GAUGES.....VERIFY TRUE
LIGHTS.....OFF
PITOT HEAT.....OFF
BATT MASTER.....OFF
FUEL LEVEL/QUALITY.....CHECK
CAPS/DRAINS/VENTS.....CHECK
ENGINE OIL.....CHECK (MIN 6 QT)
PROP.....INSPECT
COWLING.....CHECK SECURE
EXHAUST PIPES.....CHECK SECURE
STALL HORN.....TEST
CONTROLS/SURFACES.....INSPECT
PITOT/STATIC PORTS.....INSPECT
LANDING GEAR.....INSPECT
ANTENNAS.....CHECK SECURE
CHOCKS/TOWBAR/TIEDOWNS.....REMOVE
WINDSCREEN.....CLEAN
BAGGAGE DOOR.....CHECK SECURE
FINAL WALK AROUND.....COMPLETE

BEFORE START

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

ENGINE START

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

PRE TAXI

FLAPS.....UP
NAV LIGHTS (SS-SR/NIGHT/LOW VIS).....ON
HEAT (IF NEEDED).....ON
VENTS (IF NEEDED).....OPEN
AVIONICS MASTER.....ON
AWOS/ATIS.....OBTAIN
ALTIMETER.....SET
GPS DATABASE.....VERIFY CURRENT
FREQUENCIES.....LOAD
(IF IFR) WAAS/RAIM.....CHECK
IFR CLEARANCE*.....OBTAIN*
**IF DEPARTING FROM NON-TOWERED FIELD, MAY BE DONE AFTER RUN-UP*

PRE TAXI (CONTINUED)

FLIGHT PLAN.....LOAD
XPDR.....ALT MODE/SQWK CODE
FLIGHT INSTRUMENTS.....CHECK
HEADING INDICATOR.....SET
TAXI DIAGRAM.....VERIFY
TAXI BRIEFING / ROUTE.....BRIEF
LANDING LIGHT.....ON
BRAKES.....RELEASE/TEST
TAXI CLEARANCE*.....OBTAIN*
IF AT NON-TOWERED FIELD, **ANNOUNCE INTENTIONS ON CTAF*
GYRO INSTRUMENTS....CHECK IN TURNS

RUN UP

BRAKES.....SET
TRIM.....SET TO TAKEOFF
FLIGHT CONTROLS.....TEST
MIXTURE.....RICH
THROTTLE.....1700 RPM
MAG/EIS.....TEST
EIS MAX 40RPM / MAG MAX 125RPM DROP
CARB HEAT.....ON/TEST(50+ RPM DROP)
AMPS/VOLTS.....CHECK & ALT OFF/ON
OIL PRESS/TEMP.....CHECK
VACUUM PRESSURE.....CHECK
THROTTLE.....IDLE
THROTTLE.....1000RPM
CARB HEAT.....OFF
MIXTURE.....LEAN
THROTTLE FRICTION.....CHECK

PRE TAKEOFF

FLAPS.....SET
DEPARTURE.....BRIEF(Vr, Vx or Vy, ALT)
EMERGENCY / ABORT PLAN.....BRIEF
TRANSPONDER.....ALT/SQUAWK CODE
DOORS/WINDOWS.....SECURE
LANDING LIGHT.....ON
BRAKES.....RELEASE
TIMER(S).....START

AT HOLD SHORT LINE

LIGHTS / CAMERA / ACTION.....VERIFY
MIXTURE.....BEST POWER
HEADING INDICATOR.....VERIFY ON RWY

EMERGENCY BRIEFING

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

IF NOT ENOUGH RUNWAY REMAINS TO STOP:

MIXTURE.....CUTOFF
MAG/EIS.....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.....70 KTS
LANDING AREA.....SELECT
MIXTURE.....CUTOFF
FUEL SELECTOR.....OFF
MAG/EIS.....OFF
ATC/CTAF.....DECLARE EMERGENCY
FLAPS.....AS REQ.
BATT MASTER/ ALTERNATOR.....OFF
DOORS.....OPEN
LAND AT LOWEST POSSIBLE AIRSPEED,
WITHIN 30°, AND AVOID OBSTACLES