

TAKEOFF

THROTTLE.....FULL
ENGINE INSTRUMENTS.....CHECK
ROTATE AT 60 KTS, ESTABLISH V_y/V_x
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
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)

V_r - 60 V_x - 64 V_y - 76 V_{so} - 49 V_s - 55
 V_g - 76 V_a - 113 V_{no} - 125 V_{ne} - 154
 V_{fe} - 102 V_{appch} - 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 N47820

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
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
 EIS.....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
 MIXTURE.....RICH
 THROTTLE.....2000 RPM
 MAGNETOS.....TEST
EIS MAX DROP 30-40RPM, MAG MAX DROP 175RPM
 CARB HEAT.....TEST
 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
 DOOR/WINDOW.....SECURE
 LANDING LIGHT.....ON
 (CONTINUED ON NEXT PAGE)
 STROBES.....ON
 BRAKE.....RELEASE
 TIMER.....START

EMERGENCY BRIEFING

ENGINE ISSUE PRIOR TO ROTATION:

THROTTLE.....IDLE
 BRAKES.....SMOOTHLY APPLY
 STOP ON THE RUNWAY

ENGINE ISSUE AFTER ROTATION WITH RUNWAY REMAINING:

THROTTLE.....IDLE
 LAND.....ON REMAINING RUNWAY
 BRAKES.....SMOOTHLY APPLY

ENGINE ISSUE AFTER ROTATION WITH NO REMAINING RUNWAY BELOW 1000'AGL

AIRSPEED.....76 KNOTS
 LANDING AREA.....SELECT
 MIXTURE.....CUTOFF
 FUEL SELECTOR.....OFF
 CARB HEAT.....OFF
 MAGNETOS.....OFF
 ATC/CTAF.....DECLARE EMERGENCY
 BATT MASTER/ALTERNATOR.....OFF
 FLAPS.....EXTEND
 DOOR.....OPEN
 LAND STRAIGHT AHEAD-DO NOT TURN BACK

ENGINE ISSUE AFTER ROTATION WITH ENOUGH ALTITUDE TO TURN BACK

AIRSPEED.....76 KNOTS
 RUNWAY.....IMMEDIATELY TURN BACK
 MIXTURE.....CUTOFF
 FUEL SELECTOR.....OFF
 CARB HEAT.....OFF
 MAGNETOS.....OFF
 ATC/CTAF.....DECLARE EMERGENCY
 BATT MASTER/ALTERNATOR.....OFF
 FLAPS.....EXTEND
 DOOR.....OPEN
 TOUCH DOWN AT LOWEST AIRSPEED