

TAKEOFF

THROTTLE.....FULL
ENGINE INSTRUMENTS.....CHECK
ROTATE AT 55 KTS, ESTABLISH V_y/V_x
CLIMB SPEED AS APPROPRIATE

CLIMB

WHEN LEAVING THE PATTERN

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

CRUISE

POWER.....SET
MIXTURE.....LEAN AS REQ
INSTRUMENTS.....CHECK

APPROACH

15 NM FROM AIRPORT

ATIS/AWOS.....CHECK
APPROACH BRIEF.....COMPLETE
APPROACH PROC.....LOAD
DEST ALTIMETER.....SET
CTAF/TWR FREQ.....LOAD
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
CLIMB.....ACCOMPLISH
FLAPS.....RETRACT IN CLIMB
NOTIFY ATC OR MAKE CALL ON CTAF

AFTER LANDING

ONCE AIRCRAFT IS STOPPED

FLAPS.....UP
CARB HEAT.....OFF
LANDING LIGHT.....OFF
TAXI LIGHT.....ON
PITOT HEAT.....OFF
MIXTURE.....LEAN FOR TAXI
TRIM.....TAKEOFF
(IF IFR) FLIGHT PLAN.....CANCEL

SECURING

XPDR CODE.....1200
AVIONICS.....OFF
MIXTURE.....CUTOFF
MAGS.....OFF
BATT MASTER/ALT.....OFF
LIGHTS.....OFF
FUEL SEL.....LEFT TANK
HOBBS/TACH.....RECORD
CONTROLS.....LOCK
TIEDOWNS.....REPLACE
PITOT COVER.....INSTALL
DOORS.....CHECK SECURE

ENSURE ALL ITEMS ARE REMOVED

REMEMBER TO CLOSE YOUR FLIGHT PLAN

AIRCRAFT V SPEEDS (KIAS)

V_r - 55 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) - 110/85 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 N916AT

PREFLIGHT

WEATHER BRIEF.....OBTAIN
TOL/CRUISE FIGURES.....COMPUTE
MX INSPECTIONS.....VERIFY
FLIGHT PLAN.....FILE
ACFT. 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.....INSPECT
CONTROLS/SURFACES.....INSPECT
PITOT/STATIC PORTS.....INSPECT
LANDING GEAR.....INSPECT
ANTENNAS.....CHECK SECURE
CHOCKS/TOWBAR.....REMOVE

BAGGAGE DOOR.....CHECK SECURE
FINAL WALK AROUND.....COMPLETE

BEFORE START

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

ROT BEACON.....ON

ENGINE START

MIXTURE.....RICH

IF COLD ENGINE.....PRIME

FUEL PUMP.....ON*

*HOT ENGINE ONLY. FUEL PUMP OFF FOR
COLD ENGINE START*

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

OIL PRESSURE.....CHECK

OIL TEMP.....CHECK

FUEL PRESSURE.....CHECK

FUEL PUMP.....OFF

MIXTURE.....LEAN TO PEAK RPM

PRE TAXI

FLAPS.....UP

NAV LIGHTS (NIGHT/LOW VIS).....ON

HEAT (IF NEEDED).....ON

VENTS (IF NEEDED).....OPEN

AVIONICS MASTER.....ON
GPS DATABASE.....VERIFY CURRENT
(CONTINUED ON NEXT PAGE)

(IF IFR) WAAS/RAIM.....CHECK

FREQUENCIES.....LOAD

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

TAXI/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

MIXTURE.....RICH

THROTTLE.....1700 RPM

MAGS.....TEST

*EIS MAX 30-40RPM DROP, MAG MAX 125
RPM DROP.*

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

CARB HEAT.....OFF

DEPARTURE BRIEF.....ACCOMPLISH

EMERGENCY PLAN.....BRIEF

TRANSPONDER.....ALT/SQWK CODE

DOORS/WINDOWS.....SECURE

TAXI LIGHT.....OFF
(CONTINUED ON NEXT PAGE)

LANDING LIGHT.....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.....70 KTS

LANDING AREA.....SELECT

MIXTURE.....CUTOFF

FUEL SELECTOR.....OFF

CARB HEAT.....OFF

MAGNETOS.....OFF

ALTERNATOR.....OFF

ATC/CTAF.....DECLARE EMERGENCY

FLAPS.....EXTEND

BATT MASTER.....OFF

DOORS.....OPEN

LAND STRAIGHT AHEAD-DO NOT TURN
BACK

**ENGINE ISSUE AFTER ROTATION ABOVE
1000' AGL AND ENOUGH ALTITUDE TO
MAKE THE RUNWAY**

AIRSPEED.....70KTS

RUNWAY.....IMMEDIATE TURN BACK

MIXTURE.....CUTOFF

FUEL SELECTOR.....OFF

CARB HEAT.....OFF

MAGNETOS.....OFF

ALTERNATOR.....OFF

ATC/CTAF.....DECLARE EMERGENCY

FLAPS.....EXTEND

BATT MASTER.....OFF

DOORS.....OPEN