

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 (AND ID IF REQ.)
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
STROBES.....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
MAG/EIS.....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
ALTERNATOR BELT.....CHECK
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
OIL TEMP.....CHECK
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
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 FOR A COMPLETE STOP:

MIXTURE.....CUTOFF
MAG/EIS.....OFF
BATT 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
CARB HEAT.....OFF
MAG/EIS.....OFF
ALTERNATOR.....OFF
ATC/CTAF.....DECLARE EMERGENCY
FLAPS.....EXTEND
BATT MASTER.....OFF
DOORS.....OPEN
LAND AT LOWEST POSSIBLE AIRSPEED, WITHIN 30°, AND AVOID OBSTACLES

***CONTINUE PRE TAKEOFF CHECKLIST**

