

TAKEOFF

THROTTLE.....FULL
ENGINE INSTRUMENTS.....CHECK
ROTATE AT 55 KTS, ESTABLISH Vy/Vx
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
HEADING INDICATOR.....SET
CHECK EVERY 15 MINS

APPROACH

15 NM FROM AIRPORT

ATIS/AWOS.....CHECK
APPROACH BRIEF.....COMPLETE
APPROACH PROC.....LOAD (AND ID IF REQ.)
DEST ALTIMETER.....SET
HEADING INDICATOR.....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

SECURING

XPDR CODE.....1200
AVIONICS.....OFF
MIXTURE.....CUTOFF
MAGS.....OFF
LIGHTS.....OFF
BATT MASTER/ALT.....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)

Vr-55 Vx-59 Vy-73 Vso-41 Vs-47
Vg-65 Va-97 Vno-128 Vne-160
Vfe(10/20)-110/85 Vappch-65

CSAC Front Desk: 281-993-1151

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



NORMAL CHECKLIST N738TM

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

THROTTLE.....SLIGHT

PROP.....CLEAR

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

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

NAV DATABASE.....VERIFY CURRENT

FLIGHT PLAN.....LOAD

FREQUENCIES.....LOAD

ATIS/AWOS.....OBTAIN

ALTIMETER.....SET

XPDR.....ALT MODE/SQWK CODE

(CONTINUED ON NEXT PAGE)

FLIGHT INSTRUMENTS.....CHECK

HEADING INDICATOR.....SET

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

MIXTURE.....RICH

THROTTLE.....1700 RPM

MAGS.....TEST

MAX 125RPM DROP, MAX 50RPM DIFF.

CARB HEAT.....TEST

AMPS/VOLTS.....CHECK

OIL PRESS/TEMP.....CHECK

VACUUM PRESSURE.....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

WING STROBES.....ON

LANDING LIGHT.....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

MAGNETOS.....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.....65 KTS

LANDING AREA.....SELECT

MIXTURE.....CUTOFF

FUEL SELECTOR.....OFF

MAGNETOS.....OFF

ATC/CTAF.....DECLARE EMERGENCY

FLAPS.....AS REQ.

BATT MASTER/ ALTERNATOR.....OFF

DOORS.....OPEN

LAND AT LOWEST POSSIBLE AIRSPEED, WITHIN 30°, AND AVOID OBSTACLES

***CONTINUE PRE TAKEOFF CHECKLIST**