

NO UNAUTHORIZED AEROBATICS OR SPINS**NO IFR OPERATIONS AUTHORIZED IN THE A-152****AEROBATIC OPERATIONS****(WITH AN OU AUTHORIZED AFM AEROBATIC INSTRUCTOR ONLY)**

- *PRIOR TO AEROBATIC FLIGHT NOTE CONDITION OF PARACHUTES AND DATE OF REPACK - MUST BE WITHIN THE LAST 180 DAYS.*
- *STUDENT AND INSTRUCTOR SHOULD BE FAMILIAR WITH PREFLIGHT AND OPERATION OF PARACHUTE*
- *STOW ALL LOOSE ITEMS, CHECK CONDITION OF SEATBELTS AND HARNESS*
- *FAMILIARITY WITH 14 CFR 91.303, AEROBATIC OPERATIONS*

PREFLIGHT CHECKLIST

COCKPIT

AIRCRAFT DOCUMENTS AROW
 TACH TIME..... NOTE TIME TO 100 HR / ANNUAL
 HOBBS TIME..... RECORD TIME AND NOTE ANY DISCREPANCIES
 GUST LOCK REMOVE
 RADIO MASTER OFF
 ELECTRICAL SWITCHES..... OFF
 MAGNETO SWITCH..... OFF
 MIXTURE..... IDLE CUT-OFF
 MASTER SWITCH ON
 FUEL QUANTITY GAUGES CHECK
 FLAPS..... EXTEND
 EXTERIOR LIGHTS CHECK
 MASTER SWITCH OFF
 ELEVATOR TRIM..... NEUTRAL
 SEAT CUSHIONS/LOOSE ITEMS STOW
 WINDOWS CHECK, CLEAN
 BAGGAGE SECURE

EMPENNAGE

WINDOWS CLEAN
 FUSELAGE NO DAMAGE
 ELEVATOR..... FREE AND SECURE
 RUDDER FREE AND SECURE

*****DO NOT MOVE MANUAL RUDDER TRIM*****

TAIL TIEDOWN REMOVE

RIGHT WING

FLAP..... ROD, TRACK, HINGES INTACT
 AILERON..... FREE, SECURE, PIANO HINGES INTACT, COUNTER
 BALANCE WEIGHTS INTACT
 NAV LIGHTS/ANTI COLLISION LIGHTS CHECK
 LEADING EDGE, TOP, BOTTOM OF WING... INTACT/NOTE ANY DAMAGE
 TIE DOWN..... REMOVE
 TIRE/BRAKES CONDITION, INFLATION
 FUEL SUMP DRAIN
 DOOR RELEASE PIN..... CHECK IN
 FUEL QUANTITY - VERIFY
 FUEL FILLER CAP..... SECURE

NORMAL PROCEDURES CESSNA A-152 CRM75

NOSE

ENGINE OIL LEVEL.....CHECK (5-5.5 QTS)
FUEL STRAINER DRAIN AND PUSH SECURE
SPINNER SECURE
PROPELLERNO DAMAGE
AIR INTAKECLEAR
ALTERNATOR BELTCHECK
LANDING LIGHT.....CHECK
AIR FILTER.....CLEAR
NOSE STRUT.....PROPER INFLATION
NOSE GEAR TIRE.....CHECK
WINDSHIELD..... CLEAN
STATIC PORT.....CLEAR

LEFT WING

DOOR RELEASE PINS.....CHECK IN
LEADING EDGE, TOP, BOTTOM OF WING...INTACT/NOTE ANY DAMAGE

PITOT TUBE.....CLEAR
STALL WARNING VANECLEAR
FUEL VENTCLEAR
TIE DOWN.....REMOVE
NAV LIGHTS/ANTI COLLISION LIGHTSCHECK
AILERON.....FREE, SECURE, PIANO HINGES INTACT, COUNTER
BALANCE WEIGHTS INTACT

FLAP.....ROD, TRACK, HINGES INTACT
TIRE/BRAKES/STRUTCONDITION, INFLATION
FUEL SUMP.....DRAIN

FUEL QUANTITY VERIFY
FUEL FILLER CAP..... SECURE

WALK AROUND AIRCRAFT

NOTE GENERAL CONDITION

NORMAL PROCEDURES CESSNA A-152 CRM75

***BEFORE ENGINE START THROUGH ENGINE SHUTDOWN –
CHECKLIST WILL BE VERBALIZED***

BEFORE ENGINE START

TACH TIME .. VERBALIZE TIME REMAINING TO 100 HR / ANNUAL
PASSENGER BRIEF.....COMPLETE
SEATBELTS AND HARNESSSES FASTEN AND SECURE
CABIN DOOR..... CLOSE AND SECURE
WINDOWS.....AS NEEDED

NORMAL ENGINE START

BRAKES.....APPLY TOE BRAKES ONLY
CIRCUIT BREAKERS IN
RADIO MASTER..... OFF
FUEL SELECTOR.....ON
MASTER/ALTERNATOR ON
BEACON ON
THROTTLEOPEN ½ INCH
MIXTURE RICH
PRIMEAS REQUIRED
PRIMER.....LOCKED
AREA.....CLEAR
STARTER..... ENGAGE
OIL PRESSURE CHECK
THROTTLE 1000 RPM

FLOODED START

THROTTLE OPEN
MASTER ON
MIXTURE IDLE CUT-OFF
AREA.....CLEAR
STARTER..... ENGAGE

WHEN ENGINE STARTS

THROTTLEIDLE
MIXTURE FULL RICH

NORMAL PROCEDURES CESSNA A-152 CRM75

PRE-TAXI

AMMETER.....POSITIVE
 FLAPS.....UP
 RADIO MASTER.....ON
 TRANSPONDER.....1200 & ALT
 AWOS/ATIS.....CHECK
 ALTIMETER.....SET
 FUEL SELECTOR.....ON
 MIXTURE.....LEAN FOR TAXI

ENGINE RUN-UP

BRAKES.....APPLY TOE BRAKES ONLY
 FLIGHT CONTROLS.....FREE AND CORRECT
 ELEVATOR TRIM.....SET
 MIXTURE.....FULL RICH BELOW 3000ft
 THROTTLE.....1700 RPM
 ENGINE INSTRUMENTS.....CHECK
 VACUUM GAUGE.....GREEN
 MAGNETOS.....CHECK L & R
(MAX -125 EACH; 50 DIFFERENTIAL)
 CARBURETOR HEAT.....CHECK
 THROTTLE.....1000 RPM
 FLIGHT INSTRUMENTS.....SET
 CABIN DOORS.....CLOSED

BEFORE TAKE-OFF

TYPE OF TAKEOFF.....DETERMINE
 FLAPS.....RETRACTED
 AIRSPEEDS: ROTATION, CLIMB OUT, BEST GLIDE.....DETERMINE
 PRE-TAKEOFF BRIEFING.....COMPLETE
 STROBES.....ON
 BEACON.....VERIFY ON
 LANDING LIGHT.....ON
 MIXTURE.....FULL RICH BELOW 3000ft DENSITY ALTITUDE
 PRIMER.....LOCKED
 FUEL SELECTOR.....VERIFY ON
 CABIN DOORS.....LATCHED
 WINDOWS.....AS NEEDED
 TAKE-OFF TIME.....RECORD

**** RESET HEADING INDICATOR AFTER TAXIING ONTO RUNWAY****

NORMAL PROCEDURES CESSNA A-152 CRM75

CLIMB (BETWEEN 500 AND 1500 AGL)

PITCH.....Vv
 POWER.....SET
 TRIM.....SET
 LANDING LIGHT.....OFF
 HEADING INDICATOR.....SET
 MIXTURE.....LEAN AT DENSITY ALTITUDE 3000

CRUISE (AT TOP OF CLIMB FOR X/C AND LCL FLIGHTS)

POWER.....BELOW 2440 RPM
 MIXTURE.....LEAN
 TRIM.....SET
 HEADING INDICATOR.....SET

IN-RANGE (BEFORE TURNING TO OUN OR T.O.D.)

AWOS/ATIS.....CHECK
 ALTIMETER.....SET
 MIXTURE.....RICH
 LANDING LIGHT.....ON
 SEATBELTS.....FASTEN AND SECURE
 CARBURETOR HEAT.....ON BELOW RPM GREEN ARC

BEFORE LANDING (MIDFIELD DOWNWIND)

TYPE LANDING.....DETERMINE
 APPROACH SPEED ON FINAL.....CALCULATE (GUST SPREAD)
 FLAP SETTING ON FINAL.....DETERMINE

AFTER LANDING (AFTER CLEARING RUNWAY)

FLAPS.....RETRACTED
 LANDING LIGHT.....OFF
 STROBES.....OFF
 TRANSPONDER.....1200
 CARB HEAT.....OFF

ENGINE SHUTDOWN

THROTTLE.....1000 RPM
 RADIO MASTER.....OFF
 ELECTRICAL SWITCHES.....OFF
 NAV, PANEL & OVERHEAD LIGHTS.....CHECK OFF
 MIXTURE.....IDLE CUT-OFF
 MASTER.....OFF
 MAGNETOS.....OFF
 WINDOWS.....CLOSED
 HOBBS TIME.....RECORD

POST-FLIGHT

CABIN DOORS.....SECURED
 AIRCRAFT.....TIE DOWN

TIE DOWN BOTH WINGS

CLOSE FLIGHT PLAN (IF APPLICABLE)
 POST FLIGHT WALK AROUND.....NOTE GENERAL CONDITION

EMERGENCY PROCEDURES CESSNA A-152 CRM75

ENGINE FIRE – DURING START

STARTER CONTINUE CRANKING
MIXTURE IDLE CUT-OFF
FUEL SELECTOR OFF

IF FIRE CONTINUES

MASTER OFF
→ EVACUATE AIRCRAFT
→ USE FIRE EXTINGUISHER IF AVAILABLE
→ CONTACT FIRE DEPARTMENT

ENGINE FIRE – IN FLIGHT

MIXTURE IDLE CUT-OFF
FUEL SELECTOR OFF
THROTTLE CLOSED
CABIN HEAT OFF
DEFROSTER OFF
→ INITIATE EMERGENCY DESCENT
→ PLAN FOR OFF-AIRPORT LANDING

ELECTRICAL FIRE

MASTER SWITCH OFF
VENTS OPEN
WINDOWS OPEN
CIRCUIT BREAKERS CHECK FOR POPPED BREAKER

ENGINE FAILURE OR LOSS OF POWER

AIRSPPEED PITCH VG (Clean) – 65KTS
CARB HEAT ON
PRIMER LOCKED
MIXTURE FULL RICH
FUEL SELECTOR CHECK ON
MAGNETOS CYCLE L– R – BOTH
THROTTLE OPEN
TRANSPONDER SQUAWK 7700
COMM 121.5 MAYDAY

ENGINE SECURE IN FLIGHT

MIXTURE IDLE CUT-OFF
FUEL SELECTOR OFF
MAGNETOS OFF
THROTTLE CLOSED

EMERGENCY PROCEDURES CESSNA A-152 CRM75

OFF AIRPORT LANDING

ENGINE SECURE
SEATBELTS ON AND SECURE
DOORS UNLATCHED
ELT ARM
MASTER SWITCH OFF
AIRSPEED 60 KTS/FLAPS EXT
PLAN SHORT FIELD LANDING

AFTER LANDING

→ ACTIVATE ELT
→ EVACUATE AIRCRAFT
→ ADMINISTER FIRST AID

ELECTRICAL OVERLOAD

ALT SWITCH OFF
ELECTRICAL LOAD MINIMIZE

ELECTRICAL FAILURE

ELECTRICAL LOAD REDUCE
ALT SWITCH RECYCLE
ALT CIRCUIT BREAKER RESET

SPIN RECOVERY

THROTTLE IDLE
AILERONS NEUTRAL
RUDDER OPPOSITE ROTATION
ELEVATOR FORWARD
WHEN ROTATION STOPS, NEUTRALIZE CONTROLS
AND RECOVER TO LEVEL FLIGHT

RADIO FAILURE

MIC JACK CHECK
VOLUME CHECK AND TESTED
CIRCUIT BREAKERS CHECK IN
FREQUENCY VERIFY
TRANSPONDER SQUAWK 7600
NAV LISTEN ON VOR FREQUENCY
→ OBSERVE FLOW OF TRAFFIC
→ ENTER THE PATTERN 45° TO DOWNWIND
→ WATCH FOR LIGHT GUN SIGNAL
→ LAND IN SEQUENCE