

Engine Failure Prior to Rotation

THROTTLE.....CLOSED
 BRAKES.....AS REQ
 STOP STRAIGHT AHEAD

If not enough runway remains

MIXTURE.....IDLE CUTOFF
 FUEL SELECTOR.....OFF
 MAGS.....OFF
 MASTER.....OFF

AVOID OBSTACLES**Engine failure after rotation with runway remaining**

THROTTLE.....IMMEDIATELY CLOSED
 LAND STRAIGHT AHEAD
 BRAKES.....AS REQ

Engine failure after rotation without runway remaining

AIRSPED.....BEST GLIDE (70KTS)
 FUEL SELECTOR.....OFF
 MIXTURE.....IDLE CUTOFF
 MAGS.....OFF
 FLAPS.....AS NEEDED
 MASTER.....OFF
 LAND STRAIGHT AHEAD AVOIDING OBSTACLES

BEFORE TAKEOFF

PRE-TAKEOFF BRIEF.....COMPLETE
 INSTRUMENTS(DG/HSI, ALTIMETERS.....SET
 TRIM.....SET
 FLAPS.....AS REQ
 CARB HEAT.....OFF
 DEPARTURE BRIEF.....COMPLETE
 MIXTURE.....FULL RICH (OR SET FOR ALTITUDE)
 PRIMER.....LOCKED
 ENGINE INSTRUMENTS.....CHECK
 SEAT BELTS.....FASTENED
 DOOR AND WINDOW.....SECURED
 LIGHTS.....ON
 TRANSPONDER.....SET & ALT
 TRAFFIC.....CHECK
 AIRSPEEDS...(VR 55KTS, Vy 69KTS).....VERBALIZE

AFTER TAKEOFF (Above 1000ft AGL)

CRUISE CLIMB.....78KTS
 THROTTLE.....FULL
 FLAPS.....UP

CRUISE

THROTTLE.....65 - 75%
 MIXTURE.....LEAN

TRIM.....SET
 ENGINE INSTRUMENTS.....CHECK
 FUEL SELECTOR.....PROPER TANK
 LANDING & TAXI LIGHT.....OFF

APPROACH (15NM From Airport)

ATIS/AWOS.....OBTAIN
 ALTIMETER.....SET
 APPROACH BRIEFING.....COMPLETE
 PARKING BRAKE.....OFF
 LANDING LIGHT.....ON

BEFORE LANDING**Never Switch Fuel Tanks Below Pattern Altitude**

CARB HEAT.....ON BLW GREEN ARC
 GAS.....FUEL SELECTOR BOTH
 UNDERCARRIAGE.....FIXED
 MIXTURE.....FULL RICH
 PROPS.....FIXED
 SWITCHES & SAFETY BELTS.....CHECK
 FLAPS.....(86KTS MAX) AS REQ
 AIRSPEED (80, 70, 60KTS).....ADJUST FOR WIND

AFTER LANDING

FLAPS.....UP
 CARB HEAT.....OFF
 MIXTURE.....LEAN
 TAXI CLEARANCE.....OBTAIN / BRIEF

SHUTDOWN

TRANSPONDER.....1200
 AVIONICS MASTER.....OFF
 THROTTLE.....1000 RPM
 MIXTURE.....IDLE CUTOFF
 MAGNETOS.....OFF
 SWITCHES.....OFF
 MASTER.....OFF
 WINDOW.....CLOSE
 CONTROL LOCK.....INSTALLED
 WALK AROUND.....REPORT DISCREPANCIES

**Cessna 172K****NORMAL CHECKLIST**

This checklist is only for training purposes in US Flight Co Aircraft and is not intended to replace the POH/AFM. Refer also to the POH/AFM in an actual emergency.

Preflight Inspection

AIRCRAFT.....DISPATCHED
 WEATHER.....CHECK
 WEIGHT AND BALANCE.....COMPLETE
 PERFORMANCE CALCULATIONS.....COMPLETE
 FUEL CALCULATIONS.....COMPLETE

- 1 Hour Reserve Min

INTERIOR

AIRCRAFT DOCUMENTS.....AROW
 GUST LOCK.....REMOVE
 FIRE EXTINGUISHER

- If Installed.....CHECK

CO DETECTOR.....ON
 MAGS & ALL SWITCHES.....OFF
 MIXTURE.....IDLE CUTOFF
 MASTER.....ON
 ON
 FUEL GAUGES.....CHECK
 FLAPS.....EXTEND
 LIGHTS

- If Night Flight.....CHECK

PITOT HEAT

- If IFR Flight.....CHECK

MASTER.....OFF
 ELEVATOR TRIM.....TAKEOFF
 LOOSE ITEMS.....STOW
 WINDOWS.....CHECK CLEAN
 BAGGAGE.....SECURE

Preflight Inspection (continued)

EMPENNAGE

LOOK FOR DAMAGE.....CHECK
ANTENNAS.....CHECK
ELEVATOR.....FREE & SECURE
RUDDER.....FREE & SECURE

DO NOT STRAIGHTEN RUDDER TRIM TAB
TAIL TIEDOWN.....REMOVE
ELEVATOR TRIM TAB.....CHECK

RIGHT WING

FLAP.....CHECK
AILERON.....FREE & SECURE
WING TIP.....CHECK
LEADING EDGE.....CHECK
TIE DOWN.....REMOVE
TIRE.....CHECK CONDITION & INFLATION
BRAKE & BRAKE LININGS.....CHECK
FUEL DRAIN.....SUMP & CHECK
FUEL QUANTITY.....CHECK
FUEL CAP.....SECURE
UPPER WING SURFACE.....CHECK
OIL LEVEL

NOSE

- 6qts min. Local 7qts X/C.....CHECK
FUEL STRAINER.....DRAIN THEN SECURE
SPINNER.....CHECK
PROPELLER.....CHECK
ALTERNATOR BELT.....CHECK
AIR FILTER.....CHECK
NOSE GEAR & TIRE.....CHECK
- 3" Minimum Strut Extension.....CHECK
STATIC PORT.....CLEAR
LEFT WING
TIE DOWN.....REMOVE
TIRE.....CHECK CONDITION & INFLATION
BRAKES & BRAKE LININGS.....CHECK
FUEL VENT.....CLEAR
PITOT TUBE.....CLEAR

LEADING EDGE.....CHECK

WING TIP.....CHECK

AILERON.....CHECK

FLAP.....CHECK

FUEL DRAIN.....SUMP & CHECK

FUEL QUANTITY.....CHECK

FUEL CAP.....SECURE

UPPER WING SURFACE.....CHECK

BAGGAGE DOOR.....LOCKED

WHEEL CHOCKS.....REMOVED

BEFORE ENGINE START

PREFLIGHT.....COMPLETE

PAX BRIEF (S.A.F.E.T.Y.).....COMPLETE

SEAT & SEAT BELTS.....LOCKED / FASTENED

DOORS.....LOCKED

AVIONICS.....OFF

CIRCUIT BREAKERS.....CHECK

CARB HEAT.....OFF

MIXTURE.....FULL RICH

MASTER.....ON

BEACON.....ON

NAV LIGHTS.....ON

ENGINE START

CLEAR PROP.....CLEAR

BRAKES.....HOLD

IGNITION.....START

THROTTLE.....1-2 QUICK FULL PUMPS

DO NOT ENGAGE STARTER FOR MORE THAN 10

SECONDS

ALLOW STARTER TO COOL BETWEEN ATTEMPTS

THROTTLE.....1000 RPM

OIL PRESSURE.....CHECK

IMMEDIATELY SHUTDOWN IF NO OIL

MIXTURE.....LEAN

AFTER ENGINE START

FLAPS.....UP

AVIONICS.....ON

HEADSETS.....ON / CHECK

GPS

- IF IFR.....CHECK DATABASE & SET

ATIS.....OBTAIN

ALTIMETERS (PFD & STANDBY).....SET

COMS.....SET

RUN UP

BRAKES.....HOLD

FUEL GAUGES.....CHECK

FUEL SELECTOR.....BOTH

FLIGHT CONTROLS.....FREE & CORRECT

MIXTURE.....FULL RICH BLW 3000FT

THROTTLE.....1700 RPM

MAGS (175 max drop, max diff 50 rpm).....CHECK

CARB HEAT.....CHECK

ENGINE INSTRUMENTS.....CHECK

AMMETER.....CHECK

SUCTION GAUGE.....CHECK

THROTTLE.....CHECK IDLE

THROTTLE.....1000 RPM

MIXTURE.....LEAN

TAXI

DEPARTURE CLEARANCE.....OBTAIN

GPS

-IF IFR.....VERIFY FLT PLAN

AIRPORT DIAGRAM.....AVAILABLE

TAXI CLEARANCE.....OBTAIN

TAXI AREA.....(Left & Right) CLEAR

BRAKES.....CHECK

FLIGHT INSTRUMENTS (TC/AI/HSI/VSII).....CHECK

- Check TC & HSI While Turning