

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 (80mph)
 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.....SET
 FUEL PUMP.....ON
 TRIM.....SET
 FLAPS.....AS REQ
 CARB HEAT.....OFF
 DEPARTURE BRIEF.....COMPLETE
 MIXTURE.....FULL RICH (OR SET FOR ALTITUDE)
 ENGINE INSTRUMENTS.....CHECK
 SEAT BELTS.....FASTENED
 DOOR AND WINDOW.....SECURED
 LIGHTS.....ON
 TRANSPONDER.....ALT
 TRAFFIC.....CHECK

AFTER TAKEOFF (Above 1000ft AGL)

CRUISE CLIMB.....100mph
 THROTTLE.....FULL
 FLAPS.....UP

CRUISE

THROTTLE.....75% or 2300 RPM
 MIXTURE.....LEAN

TRIM.....SET
 ENGINE INSTRUMENTS.....CHECK
 FUEL SELECTOR.....PROPER TANK
 FUEL PUMP.....OFF / CHECK PRESSURE

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**

GAS.....PROPER TANK & FUEL PUMP ON
 UNDERCARRIAGE.....FIXED
 MIXTURE.....FULL RICH
 PROPS.....FIXED
 SWITCHES & SAFETY BELTS.....CHECK
 FLAPS.....(115mph) AS REQ
 AIRSPEED (85, 82, 79mph).....ADJUST FOR WIND

AFTER LANDING

FLAPS.....UP
 CARB HEAT.....OFF
 MIXTURE.....LEAN
 FUEL PUMP.....OFF
 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

**PIPER CHEROKEE****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

****Do Not Step on Flaps or Lean on Door. Only Step on Black Area****

AIRCRAFT DOCUMENTS.....CHECK
 FIRE EXTINGUISHER

- If Installed.....CHECK
 CO DETECTOR.....ON
 FUEL SELECTOR.....PROPER TANK
 FLAPS.....Full Down (40°)
 MAGS & ALL SWITCHES.....OFF
 MASTER.....ON
 FUEL GAUGES.....CHECK
 LIGHTS

- If Night Flight.....CHECK
 PITOT HEAT
 - If IFR Flight.....CHECK
 MASTER.....OFF

RIGHT WING

FLAP.....CHECK
 AILERON.....CHECK
 WING TIP.....CHECK

Preflight Inspection (continued)

WING SURFACE.....CHECK
LEADING EDGE.....CHECK
FUEL VENT.....CHECK
TIRE.....CHECK
BRAKES & BRAKE LININGS.....CHECK
MAIN GEAR STRUT.....CHECK
SUMP FUEL FOR SAMPLE.....CHECK
FUEL QTY.....CHECK
RIGHT COWL DOOR.....OPEN

NOSE

OIL LEVEL
- 6qts min. Local 7qts X/C.....CHECK
ENGINE.....CHECK
RIGHT COWL DOOR.....CLOSE
COWL DOOR LATCHES.....CHECK
ALTERNATOR BELT.....CHECK
PROPELLER.....CHECK
SPINNER.....CHECK
OIL COOLER.....CHECK
NOSE STRUT
- 3" minimum.....CHECK

TIRE.....CHECK
BRAKES & BRAKE LININGS.....CHECK
MAIN GEAR STRUT.....CHECK
FUEL VENT.....CHECK
PITOT STATIC MAST.....CLEAR
SUMP FUEL FOR SAMPLE.....CHECK
FUEL QTY.....CHECK
LEADING EDGE.....CHECK

LEFT WING

TIRE.....CHECK
LEFT COWL DOOR.....OPEN
BRAKE RESERVOIR.....CHECK
ENGINE.....CHECK
LEFT COWL DOOR.....CLOSE
COWL DOOR LATCHES.....CHECK
SUMP FUEL FOR SAMPLE.....CHECK

TAIL

WING TIP.....CHECK
WING SURFACE.....CHECK
AILERON.....CHECK
FLAP.....CHECK
STABILATOR.....CHECK
TRIM TAB.....CHECK
ANTENNAS.....CHECK

BEFORE ENGINE START

FLAPS.....UP
WHEEL CHOCKS.....REMOVED
PREFLIGHT.....COMPLETE
PAX BRIEF (S.A.F.E.T.Y.).....COMPLETE
SEAT & SEAT BELTS.....LOCKED / FASTENED
PFD.....OFF
AVIONICS.....OFF
CIRCUIT BREAKERS.....CHECK
CARB HEAT.....OFF
MIXTURE.....FULL RICH
MASTER.....ON
BEACON.....ON
NAV LIGHTS.....ON
FUEL PUMP.....ON / CHECK PRESSURE

ENGINE START

CLEAR PROP.....CLEAR
BRAKES.....HOLD
IGNITION.....START
THROTTLE.....2-3 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 PRESSURE WITHIN 30 SECONDS
FUEL PUMP.....OFF
FUEL PRESSURE.....CHECK
MIXTURE.....LEAN

AFTER ENGINE START

PFD.....ON
AVIONICS.....ON
HEADSETS.....ON / CHECK
GPS

- IF IFR.....CHECK DATABASE
ATIS.....OBTAIN
ALTIMETERS (PFD & STANDBY).....SET
COMS.....SET

RUN UP

BRAKES.....HOLD
FUEL PUMP.....ON
FUEL GAUGES.....CHECK
FUEL SELECTOR.....ON PROPER TANK
FLIGHT CONTROLS.....FREE & CORRECT
MIXTURE.....FULL RICH
THROTTLE.....2000 RPM
MAGS (175 max drop, max diff 50 rpm).....CHECK
CARB HEAT.....CHECK
ENGINE INSTRUMENTS.....CHECK
AMMETER.....CHECK
SUCTION GAUGE.....CHECK
FUEL PUMP.....OFF
FUEL PRESSURE.....CHECK
THROTTLE.....1000 RPM
MIXTURE.....LEAN

TAXI

DEPARTURE CLEARANCE.....OBTAIN
AIRPORT DIAGRAM.....AVAILABLE
TAXI CLEARANCE.....OBTAIN
TAXI AREA.....(Left & Right) CLEAR
BRAKES.....CHECK
FLIGHT INSTRUMENTS (TC/AI/HSI/VSI).....CHECK
- Check while turning