

After Takeoff (Out of 500 AGL)

Area Around Landing Gear Manual Operating Lever Clear

BRAKESTAP
LANDING GEAR RETRACT
THROTTLEFULL
CLIMB OUT Vy/ Vx

1000 FT AGL

Throttle and Prop 25' 2500

Cruise

POWER (≤ 75% Power per POH/AFM) SET
ENGINE INSTRUMENTSCHECK
MIXTURE LEAN AS REQUIRED
FUEL SELECTOR FULLEST TANK
ELECTRIC FUEL PUMP OFF/CHECK PRES.
MAG COMPASS / HI CHECK / SET

In-Range / Descent

(For Cross-Country, ACPP Only)

ATIS / AWOS (As early as possible)CHECK
ALTIMETERSET
PRELIMINARY APPROACH BRIEF
Type of Approach
Runway length / Lighting
Field Elevation / Sector Altitude
Highest Obstacle / Terrain Review
NAV / Course / Minimums / Missed
Crosswind Component COMPLETE
AIRPORT DIAGRAM (Keep available)CHECK
SEAT BELTS FASTENED
MIXTURE SLIGHTLY ENRICH
CARB HEAT AS REQ

Approach (Approx 15 NM from Airport)

ATIS/AWOSCHECK
APPROACH BRIEFINGCOMPLETE
ALTIMETERSET
HEADING INDICATOR TO COMPASSSET
ELECTRIC FUEL PUMP ON
FUEL SELECTORAs Req

WHEN DIRECT TO IAF OR VECTORED

FLIGHT & NAV INSTRUMENTSSET/IDENT
LANDING LIGHT ON
PROP FULL FWD
Throttle..... 15-17 Hg

Before Landing Checklist

GEAR..... DOWN 3 Green
PROPFWD
GUMPCHECK

Go Around / Missed Approach

THROTTLEFULL
CARB HEAT OFF
FLAPS (If > 20°) RETRACT 20°
PITCHEST CLIMB
FLAPS(> 55 KIAS) RETRACT 10°
AIRSPEED V_y / V_x / AS REQ

AT 500 FT Positive Rate

GEAR UP
FLY ASSIGNED/PUBLISHED HEADING & ALTITUDE

After Landing (Stopped)

TRIMCENTERED
CARB HEAT OFF
FLAPSUP
LANDING & TAXI LIGHTS AS REQ
MIXTURE SLIGHTLY LEAN
ELECTRIC FUEL PUMP OFF
TAXI CLEARANCE OBTAIN & BRIEF

Shutdown/Terminate

AVIONICS MASTEROFF
THROTTLE1000 RPM
MIXTURECUTOFF
IGNITION SWITCHOFF
BATT/ALTOFF
ELECTRICAL SWITCHES OFF
FLIGHT TRACKER & MX REPORT SMS SENT & ACK'D
FLIGHT CONTROLS SECURE
SUNSCREENSINSTALL
TIEDOWN / CHOCK SECURE
WALKAROUND COMPLETE

GUMPS CHECK at no Lower than 500 FT

PIPER 24-180

Normal Checklist

This checklist is only for training purposes in FGA aircraft and is not intended to replace the POH/AFM. Refer also to the POH/AFM in an actual emergency.

Preflight Inspection

DISPATCH IN FLIGHT CIRCLESENT & PRINT
WEATHERCHECK
WEIGHT AND BALANCECOMPUTE
FUEL (Full, unless limited by W&B) AS REQ
OIL (6 Qt. Minimum)CHECK
PITOT HEAT(If IFR) CHECK

INTERIOR

FIRE EXTINGUISHERCHECK
AIRCRAFT DOCUMENTSCHECK
CONTROL WHEEL LOCKREMOVE
POH/AFMCHECK
IGNITION SWITCH OFF
BATT/ALT ON
FUEL QUANTITYCHECK
BEACON/ANTICOLLISION LT,
NAV, & LANDING LIGHTSCHECK
FLAPS FULLY EXTEND
BATT/ALT OFF
FUEL SELECTOR VALVE LEFT
BAGGAGE AND LOOSE ITEMSSTOWED

RIGHT WING TRAILING EDGE

FLAP (Security) CHECK
AILERON (Freedom & security) CHECK

RIGHT WING & LEADING EDGE

FUEL QUANTITY CHECK VISUALLY
FUEL FILLER CAP SECURE
FUEL TANKSUMP

Check for water and sediment.

MAIN WHEEL TIRE, BRAKE DISC & PADSCHECK
Check for wear and proper inflation.

NOSE

WINDSHIELDCHECK
OIL LEVELCHECK

DO NOT OPERATE WITH LESS THAN 6QTS
FILL BELOW 6QTS

ALTERNATOR BELT CHECK

Continued...

Preflight Inspection (Continued)

PROPELLER & SPINNER CHECK
LANDING & TAXI LIGHT(S) (if applicable) CHECK
ENGINE AIR FILTER CHECK
NOSE WHEEL STRUT (Approx. 3" Extension) CHECK
NOSE WHEEL TIRE CHECK
COWLING SECURE

LEFT WING

FUEL QUANTITY CHECK VISUALLY
FUEL FILLER CAP SECURE
PITOT TUBE COVER REMOVE
PITOT TUBE CHECK UNOBSTRUCTED
STALL TAB CHECK UNOBSTRUCTED
FUEL TANK VENT CHECK
FUEL TANK SUMP CHECK

LEFT WING TRAILING EDGE

AILERON (Freedom & security) CHECK
FLAP (Security) CHECK
MAIN WHEEL TIRE, BRAKE DISC & PADS CHECK

EMPENNAGE

BAGGAGE DOOR SECURE
TRIM TAB CHECK
ANTENNAS CHECK

Before Starting Engine

PREFLIGHT INSPECTION COMPLETE
WT&BAL, DOCS, PERFORMANCE CHECK
PASSENGER BRIEF COMPLETE
Doors, Seats & Seatbelts (Positive Latch),
Fire Extinguisher, No Smoking, PIC Authority
SEAT & SEAT BELTS ADJUST AND LOCK
CIRCUIT BREAKERS CHECK IN
ELECTRICAL SWITCHES OFF
IGNITION SWITCH OFF
AVIONICS MASTER SWITCH OFF
ALTERNATE STATIC SOURCE OFF
FUEL SELECTOR VALVE LEFT
PROP FORWRD
BATT/ALT ON
BEACON/ANTICOLLISION LIGHT ON
POSITION LIGHT (night only) ON

Engine Start

COLD ENGINE

PROPELLER HIGH RPM
MIXTURE RICH
THROTTLE „CYCLE 1 STROKE & 1/4" OPEN
PARKING BRAKES SET
PROP AREA CLEAR
ELECTRIC FUEL PUMP .. ON (listen for operation check fuel pressure
Then OFF

STARTER ENGAGE

IF ENGINE DOES NOT START

WAIT 30 SECONDS
THROTTLE CYCLE 2 STROKES & CLOSE
STARTER (Attempt 8 Second Max) START

WHEN ENGINE STARTS

THROTTLE 1000 RPM
OIL PRESSURE (In 15 seconds) CHECK GREEN
MIXTURE LEAN FOR RPM RISE
THROTTLE 1000 RPM
FLAPS UP

After Start

HEADSETS ON
AVIONICS MASTER SWITCH ON
COMS ATIS/AWOS/CLEARANCE IF REQ
ALTIMETER SET
GPS ENTER WPT / FPL / APR AS REQ.
NAVS SET / COURSE
FLIGHT INSTRUMENTS
(AI/TC/COMPASS & HI/VI) CHECK

Taxi

TAXI CLEARANCE OBTAIN / BRIEF
TAXI AREA CLEAR
BRAKES CHECK
FLIGHT INSTRUMENTS (AI/TC/HI/VI) CK
Check in turns.

STERILE COCKPIT
..... NO NON-ESSENTIAL CONVERSATION

Run Up

PARKING BRAKES SET
FUEL SELECTOR RIGHT TANK
MIXTURE RICH
ELECTRIC FUEL PUMP ON
PROP Full Forward
THROTTLE 2000 RPM
MAGNETOS CHECK
(Drop should not exceed 175 RPM on either magneto
or a difference of 50 RPM between the two.)

ENGINE INSTRUMENTS & AMMETER CHECK
SUCTION GAUGE CHECK
CARB HEAT ON / CHECK FOR RPM DROP
OIL TEMP CHECK
OIL PRESSURE CHECK
PROP Cycle as Needed to Circulate Oil and Operate Governor
Normal Drop -300-400 RPM

THROTTLE IDLE CHECK
FLIGHT CONTROLS FREE & CORRECT
FLIGHT INSTRUMENTS CHECK & SET
FUEL GAUGE / QTY CHECK / SUFFICIENT
FUEL TIMER SET
TRIM SET T/O
FLAPS SET

Before Takeoff

GPS (As req. for departure) SET
HEADING INDICATOR SET
DEPARTURE BRIEF HDG/ALT
MIXTURE FULL FWD (Or set for altitude)
ENGINE INSTRUMENTS CHECK
SEAT BACKS MOST UPRIGHT POSITION
SEAT BELT & SHOULDER HARNESS FASTENED

FINAL ITEMS WHEN #1 FOR TAKEOFF

DOORS & WINDOWS CLOSED & LOCKED
LANDING LIGHT ON
STROBE LIGHT (If installed) ON
TRANSPONDER ALT
IPAD MAP

