

PREFLIGHT

1. Aircraft Documents ON BOARD
2. Weight and balance CALCULATE
3. Safety belts CHECK
4. Gear handle DOWN
5. Parking Brake SET
6. All Switches OFF
7. Ignitions OFF
8. BATT MASTR ON
9. Gear DOWN/3 GREEN
10. Fan OFF
11. Fuel level CHECK
12. Annunciator Panel CHECK
13. BATT MASTR OFF
14. Flaps LANDING

EXTERIOR INSPECTION

RIGHT WING

1. Flap, aileron VISUAL CHECK
2. Wing Tip, Lights VISUAL CHECK
3. Leading edge and skin VISUAL CHECK
4. Fuel cap CHECK
5. Fuel drain PERFORM
6. Right Main Landing Gear CHECK
7. Air Inlet VISUAL CHECK

NOSE

1. Oil (min 6 qts) CHECK QUANTITY
2. Cowling SECURE
3. Propeller CLEARANCE MIN 30 CM
4. Propeller Blades CHECK
5. Spinner VISUAL CHECK
6. Nose Gear CHECK
7. Tow bar and chocks REMOVE
8. Fuel Drain PERFORM
9. Windshield, windows VISUAL CHECK

LEFT WING

1. Air Inlet VISUAL CHECK
2. Left Main Landing Gear CHECK
3. Fuel drain PERFORM
4. Fuel cap CHECK
5. Stall indicator CHECK
6. Pitot tube VISUAL CHECK
6. Leading edge and skin VISUAL CHECK
7. Lights, Wing Tip VISUAL CHECK
8. Aileron, flap VISUAL CHECK

TAIL

1. Antennas VISUAL CHECK
2. Static Port VISUAL CHECK
3. Air inlet VISUAL CHECK
4. Stabilator, tab VISUAL CHECK
5. Vertical tail, rudder VISUAL CHECK
6. Stabilator, tab VISUAL CHECK
7. Static Port VISUAL CHECK
8. Baggage door SECURED
4. One more 360° PERFORM

BEFORE STARTING ENGINE

1. Seat, safety belts FASTENED & ADJUSTED
2. Parking Brake ON
3. Passenger briefing COMPLETED
3. Flight Controls FREE & CORRECT
4. Throttle Friction CHECK
5. Circuit Breakers ALL IN
6. Fuel Selector SET

7. Alternate Air CLOSE
8. Prop RPM FORWARD
9. Emergency Gear Lever UP
10. Doors CLOSED AND LATCH
11. Key INSERT
12. Brakes HOLD
13. BATT MASTR/ALTR ON
14. STROB LIGHT ON
15. Propeller Area CLEAR

ENGINE START - COLD

1. Throttle ½ INCH OPEN
2. Fuel Pump ON
3. Mixture RICH 3 SEC/CUT-OFF
4. Starter ENGAGE (MAX 10 SEC)
5. Mixture RICH
6. Throttle 1000 - 1200 RPM
7. Oil Pressure CHECK
8. Fuel Pump OFF

ENGINE START - HOT

1. Mixture CUT-OFF
2. Throttle ½ INCH OPEN
3. Starter ENGAGE (MAX 10 SEC)
4. Mixture REACH
5. Throttle 1000 - 1200 RPM
6. Oil Pressure CHECK

ENGINE START - FLOODED

1. Mixture CUT-OFF
2. Throttle FULL OPEN
3. Starter ENGAGE (MAX 10 SEC)
4. Mixture REACH
5. Throttle 1000 - 1200 RPM
6. Oil Pressure CHECK

ENGINE START WITH GPU

1. BATT MASTR/ALTR OFF
2. All Switches OFF
3. External Power CONNECT
4. Engine Start Checklist PERFORM
5. External Power REMOVE

AFTER STARTING ENGINE

1. RADIO MASTR ON
2. AP MASTR AS REQUIRED
3. Fan/Heater/Defroster AS REQUIRED
4. Radios/NAV/GPS/ALT/Transponder SET
5. Annunciator Panel PRESS TO TEST

TAXI

1. Off-block time NOTICE
2. Parking Brake OFF
3. Brakes CHECK
4. Stering CHECK
5. Flight Instruments CHECK

RUN UP POSITION

1. Parking Brake ON
2. Engine parameters CHECK
3. Throttle 2000 RPM SET
4. Magnetos CHECK (DROP 175 DIFF±50)
5. Governor CHECK
6. Alternate air OPEN-CLOSE
7. Throttle IDLE/1000 RPM SET
8. Take-Off Briefing COMPLETED

LINE UP

1. Parking Brake RELEASE
2. Trimmers SET FOR TAKE-OFF
3. Flaps SET FOR TAKE-OFF
4. Mixture/Prop RPM FORWARD
5. Fan OFF
6. Transponder ALT
7. Pitot Heat AS REQUIRED
8. LDG Light/Fuel Pump ON
9. RWY heading, Directional Gyros SET
10. Fuel selector ON
11. Time CHECKED

TAKE OFF

1. Take off power SET
2. Speed INCREASE
3. Rotation 65 KIAS

AFTER TAKE OFF

1. Gear UP
2. Climb PWR SET (36 inHg/2400 RPM)
3. LDG Light/Fuel Pump OFF
4. Flaps UP
5. Speed 96 KIAS

CRUISE

1. Cruise Power SET (25 inHg/2200)
2. Altimeters CHECK
3. Mixtures ADJUST
4. Fuel selector each 45 min SET

DESCENT

1. Altimeters CHECK
2. NAV setting SET
3. Approach briefing COMPLETED
4. Fuel selector SET
5. Mixtures RICH
6. Circuit breakers ALL IN

FINAL

1. Fan OFF
2. LDG Light/Fuel Pump ON
3. Mixtures/Propellers FULL FORWARD
4. Flaps SET FOR LANDING
5. Gear DOWN/3 GREEN
6. Airspeed 80 KIAS

GO AROUND

1. Throttle FULL
2. Flaps T/O
3. Airspeed 85 KIAS

RUNWAY VACATED

1. Transponder STBY
2. LDG Light/Fuel Pump OFF
3. Flaps UP

SHUT DOWN POSITION

1. Parking Brake ON
2. Fan OFF
3. Electrical switches, internal lights OFF
4. Mixture CUT-OFF
5. STROB LIGHT OFF
6. BATT MASTR/ALTR OFF
7. Key REMOVE
8. Flaps LANDING

CHECK LISTS MARKED WITH THE THICK VERTICAL LINE ON THE LEFT SHOULD BE MEMORIZED
 VERSION I - 26.09.2021
 BASED ON PIPER ARROW PA-28R-201 POH 12/06/1995
 Manufactured by PUND®

ENGINE FAILURE DURING TAKE-OFF

1. Throttle..... IDLE
2. Brakes..... AS REQUIRED
3. Rudder..... MAINTAIN DIRECTION
4. Fuel Selector..... OFF
5. Fuel Pump..... OFF
6. Ignition..... OFF
7. ALTRN, BATT MASTR..... OFF
8. Parking Brake..... ON
9. Evacuation..... PERFORM

ENGINE FAILURE DURING FLIGHT

LOW ALTITUDE

1. Forced Landing..... PERFORM

HIGH ALTITUDE

1. Airspeed..... 80 KIAS
2. Fuel Selector..... SET FOR OPPOSITE
3. Fuel pump..... ON
4. Mixture..... RICH
5. Alternate Air..... OPEN
6. Engine gauges..... CHECK

NO CHANGE

1. Forced Landing..... PERFORM

ENGINE FIRE DURING FLIGHT

1. Fuel Selector..... OFF
2. Fuel Pump..... OFF
3. Throttle..... CLOSED
4. Mixture..... CUT-OFF
5. Heater and Defroster..... OFF
6. Forced Landing..... PERFORM

FORCED LANDING

1. Airspeed..... 80 KIAS
2. Place to land..... FIND
3. Flaps..... AS REQUIRED
4. Gear..... AS REQUIRED
5. Seat Belt and Harness..... TIGHT

SHORTLY BEFORE LANDING

1. Throttle..... IDLE
2. Ignition..... OFF
3. Fuel Selector..... OFF
4. Fuel Pump..... OFF
5. ALTRN, BATT MASTR..... OFF

EMERGENCY LANDING GEAR EXTENSION

1. ALTRN, BATT MASTR..... ON
2. Circuit Breakers..... CHECK
3. NAV Lights..... OFF
4. Gear Indicator..... CHECK
5. Airspeed..... BELOW 87 KIAS
6. Gear handle..... DOWN
7. Emergency Gear Lever..... DOWN

GLIDING

1. Flaps..... UP
2. Gear..... UP
3. Airspeed..... 79 KIAS
4. Glide ratio..... 11

ENGINE ROUGHNESS

1. Mixture..... ADJUST
2. Alternate Air..... OPEN
3. Fuel Pump..... ON
4. Fuel Selector..... SWITCH TANKS
5. Engine Gauges..... CHECK
6. Ignition..... LEFT/RIGHT/BOTH

ENGINE FIRE DURING START UP

1. Starter..... CRANK ENGINE
2. Mixture..... CUT-OFF
3. Throttle..... OPEN
4. Fuel Pump..... OFF
5. Fuel Selector..... OFF
6. ALTRN, BATT MASTR..... OFF
7. Parking Brake..... ON
8. Evacuation..... PERFORM

EVACUATION

1. Parking Brake..... ON
2. Seat Belts..... UNSTRAP
3. Headphones..... REMOVE
4. Doors..... OPEN
5. Escape away..... PERFORM

CABIN FIRE/ELECTRICAL SMOKE IN CABIN DURING FLIGHT

1. ALTRN, BATT MASTR..... OFF
2. Cabin Vents..... OPEN
3. Cabin Heat..... OFF
4. Fire Extinguisher..... USE
5. Land..... ASAP

RECOVERY FROM UNINTENTIONAL SPIN

1. Throttle..... IDLE
2. Rudder..... OPPOSITE DIRECTION
3. Stick..... NEUTRAL

AT THE SPIN STOPS

1. Rudder..... NEUTRAL
2. Stick..... SMOOTHLY PULL
3. Throttle..... SET

OPEN DOOR

1. Airspeed..... BELOW 87 KIAS
2. Cabin Vents..... CLOSE
3. Storm Window..... OPEN
4. If upper latch is open..... LATCH
5. If side latch is open..... ARMREST PULL
6. Side latch..... LATCH
7. Upper latch..... LATCH

ELECTRICAL OVERLOAD

1. BATT MASTR..... OFF
- IF AMMETER NOT DECREASE**
1. ALTRN..... OFF
 2. Land..... ASAP

IF AMMETER DECREASE

1. BATT MASTR..... ON
2. Ammeter..... MONITOR

ELECTRICAL FAILURE

1. Ammeter..... CHECK
- AMMETER SHOWS ZERO**
1. Electrical loads..... REDUCE
 2. ALTR Switch..... OFF
 3. Circuit Breaker..... RESET
 4. ALTR Switch..... ON
- IF POWER NOT RESTORED**
1. ALTR Switch..... OFF

LOSS OF OIL PRESSURE

1. Land..... ASAP
2. Forced landing..... PREPARE

LOSS OF FUEL FLOW/PRESSURE

1. Fuel Pump..... OFF
2. Fuel Selector..... OFF

HIGH OIL TEMPERATURE

1. Land..... ASAP
2. Forced Landing..... PREPARE

PROPELLER OVERSPEED

1. Prop RPM..... DECREASE
2. Airspeed..... REDUCE
3. Throttle..... AS REQUIRED

AIRSPEED FOR SAFE OPERATION

- Rotation Speed (V_R) FLAP T/O..... 60 KIAS
- Best Rate-of-Climb (V_Y) FLAP UP/GEAR UP..... 90 KIAS
- Best Rate-of-Climb (V_Y) FLAP UP/GEAR DOWN.. 78 KIAS
- Best Angle-of-Climb (V_X) FLAP UP/GEAR UP... 78 KIAS
- Best Angle-of-Climb (V_X) FLAPUP/GEARDOWN. 72 KIAS
- Max Flaps Extended (V_{FE})..... 103 KIAS
- Approach Speed FLAP LDG..... 75 KIAS
- Touch Down Speed FLAP LDG..... 55 KIAS
- Stall Speed FLAP UP..... 60 KIAS
- Best Glide Angle Speed..... 79 KIAS
- Maneuvering Speed (V_A)..... 118 KIAS
- Never Exceed Speed (V_{NE})..... 183 KIAS
- Max Demo Crosswind..... 17 KIAS