



PIPER ARCHER Tx/Lx NORMAL PROCEDURES

CHECKLIST v3-Jan-23

*This is to be used as a REFERENCE ONLY, it is not a substitute for the Airplane Flight Manual.

*Refer to AFM/POH for amplified procedures. User assumes all risk of use in using this product. User consents to and understands that American Flight Schools bears no liability for the use of this product.

Vr.....55-60	Vno.....125
Vy (SL).....76	Vne.....154
Vx (SL)64	Best Glide.....76
Vso.....45	Va.....98-113
Vs.....50	Vref (full).....66
Vfe.....102	Starter Max.....10s
Max Xwind.....17	1 Mag Max.....10s

Field				
Wx				
Clr				
Gnd				
Twr				
Appr				
Prac.				

Checklist Feedback Form



BEFORE STARTING ENGINE

1. Preflight Inspection.....Complete
2. Tow Bar.....Stowed
3. Flaps.....Retract
4. Seats/Seat Belts.....Adjust/Lock
5. Passenger Briefing.....Complete
6. Door.....Closed/Latched
7. Fuel Selector.....Fullest Tank
See POH 4-19 for tank swap procedure
8. Brakes.....SET
9. Circuit Breakers.....IN/TAGGED
10. Alt Air.....CLOSED
11. Alt Static.....OFF
12. All Electrical Switches.....OFF
13. Master Batt/Alt.....OFF
14. Avionics Master.....OFF
15. E Batt.....ARM
16. PFD.....Check
No Red X's on: AI, ASI, Alt, VSI
17. E Volts.....≥23.3v
If less, see POH 4-10
18. Fuel Gauge.....Check

STARTING ENGINE

See POH for flooded/external power start

1. Mixture.....IDLE CUTOFF
2. Throttle.....OPEN ¼ Inch
3. Propeller Area....."CLEAR"
4. Master Battery.....ON
5. Alternator.....ON
6. Mags.....ON
7. Strobes.....ON
8. (cold) Aux. Fuel Pump.....ON
9. (cold) Mixture.....FULL 3-5s/OFF
10. (cold) Aux. Fuel Pump.....OFF
11. CAS/PFD Annun.....Consider
12. Propeller.....Clear
13. Starter.....ENGAGE
After engine start, immediately...
14. Starter.....DISENGAGE
15. Mixture.....ADVANCE
16. Throttle.....800-900 RPM
17. Oil Pressure.....Check

BEFORE TAXI

1. Aux. Fuel Pump.....OFF
2. Mixture.....Set for Taxi
3. Lights.....ON as required
4. Avionics Master.....ON
5. E Batt.....Verify ARM
6. CAS/PFD Annun.....Consider
7. Heat/Defrost.....As Required
8. Radios.....ON/Monitor
9. Transponder.....SET
10. Taxi area.....Clear
11. Brakes.....RELEASE/Test

Ground Check/Run-up

1. Parking Brake.....SET
2. Mixture.....Set for DA
3. Throttle.....2000 RPM
4. Engine Instruments.....Green
5. Magnetos.....Test
<175 Drop & <50 Diff.
6. Bus Volts.....28±1 V
7. Alt Amps.....Normal
8. Alt Air.....~40 RPM drop
9. Throttle.....IDLE Check
10. Throttle.....800-900 RPM
If E Volts was less than 23.3 during Before Start check, see POH 4-15
11. Annunciators.....Check
12. Radios.....Set
13. Autopilot.....Test/Set
14. Autopilot.....OFF
15. Flight Instruments.....Check/Set
16. Navigation.....Configure
17. Transponder.....Set
18. Flight Controls.....Free/Correct
19. Electric Trim.....Test/Set for Takeoff
20. Rudder Trim.....Center
21. Flaps.....Set
22. Lights.....As Required
23. Takeoff Briefing.....Complete
24. Brakes.....RELEASE

BEFORE TAKEOFF

1. Door.....Closed/Latched
2. Air Con.....OFF
3. Seats/Seat Belts.....Adjust/Lock
4. Fuel Selector.....Fullest Tank
5. Aux. Fuel Pump.....ON

NORMAL TAKEOFF

1. Throttle.....FULL IN
2. Airspeed.....Indicating
3. Eng. Instruments.....GREEN
4. Rotate.....60-65 KIAS
5. Climb Speed.....70-80 KIAS

CLIMB

1. Airspeed.....87 KIAS
2. Throttle.....FULL OPEN
3. Aux. Fuel Pump.....OFF
4. Mixture.....SET

CRUISE

1. Power.....As Required
2. Elevator Trim.....Set
3. Mixture.....Set for DA

DESCENT

1. Mixture.....Set for DA
2. Altimeters.....Set
3. Fuel Selector.....Fullest Tank

BEFORE LANDING

1. Seat Backs.....Upright/Locked
2. Seats/Seat Belts.....Adjust/Lock
3. Arm Rests.....Stowed
4. Aux. Fuel Pump.....ON
5. Fuel Selector.....Fullest Tank
6. Mixture.....FULL RICH (<5000ft DA)
7. Landing.....ON
8. Air Con.....OFF
9. Parking Brake.....OFF
10. Brakes.....Test
11. Autopilot.....OFF

NORMAL LANDING

1. Initial Approach.....75 KIAS
2. Wing Flaps.....As Required <102 KIAS
3. Final Approach.....66 KIAS

Go-Around

1. Throttle.....FULL OPEN
2. Pitch.....Accelerate/Climb
3. Flaps.....Reduce Incrementally

AFTER LANDING

1. Flaps.....RETRACT
2. Aux. Fuel Pump.....OFF
3. Mixture.....SET for Taxi
4. Lights.....As Required

SECURING AIRCRAFT

1. Parking Brake.....SET
2. E Batt.....OFF
3. Avionics Master.....OFF
4. Air Con/Fan.....OFF
5. Alternator.....OFF
6. Throttle.....CLOSED
7. Mixture.....IDLE CUT-OFF

Confirm engine stop

8. Magnetos.....OFF
9. All Lights.....OFF
10. Master Battery.....OFF
11. Beacon Light.....ON
12. Control Lock.....INSTALL
13. Wheel chocks.....Set
14. Tie downs.....Secure
15. Post-flight.....Complete
16. FSP.....Check-in
17. Doors.....Closed/Locked

DOOR OPEN IN FLIGHT

1. Airspeed.....<87 KIAS
2. Cabin Vents.....Close
3. Storm Window.....Open
4. Side Latch.....Pull armrest and Close
5. Upper Latch.....Close

ESP Disable Steps

ESP may be disabled **ONLY** when required to practice required training maneuvers

1. FMS Large Knob.....AUX
2. FMS Small Knob.....System Setup
3. Softkey.....Setup 2
4. FMS Knob.....Push
5. Large Knob.....Stability & Protection
6. Small Knob.....Disabled Stability and Protection.....DISABLED

Taxi Lean Procedure

1. Set the throttle control to 1200 RPM.
2. Lean the mixture for maximum RPM.
3. Set the throttle control to an RPM appropriate for ground operations.

Best Power

When possible, Best Power should be used and is obtained at 100°F rich of peak RPM. Under some conditions, engine roughness may be experienced before peak RPM. In this case, the EGT at the roughness should be used as the peak reference value.

Takeoff Lean Procedure

Prior to takeoff from fields above 5000ft DA, the mixture should be leaned for Best Power at full throttle, with the airplane not moving.

Cruise Lean

The mixture should be leaned during cruising operations above 5000ft DA and at pilot's discretion at lower altitudes when 75% power or less is being used. If any doubt exists as to the amount of power being used, the mixture should be in the full RICH position for all operations under 5000ft DA.