



WARRIOR

PA-28-161

PILOT'S CHECKLIST

2025

WARRIOR PA28-161

Speeds for Operat on

Speeds are for maximum weight. To achieve the performance specified for takeoff distance, the speed appropriate to weight must be used.

TAKEOFF

Normal Rotation.....45-55 KIAS

Normal Climb-Out.....79 KIAS

CRUISE CLIMB

Best Rate of Climb(V_y).....79 KIAS

Best Angle of Climb(V_x).....63 KIAS

En Route Climb.....87 KIAS

BALKED LANDING, GO AROUND

Maximum Power, Flaps 25°.....63 KIAS

MANEUVERING SPEED

(Max. Recommended. Turbulent Air Penetration Speed)

2440 LBS.....111 KIAS

1531 LBS.....88 KIAS

MAXIMUM DEMONSTRATED CROSSWIND

Takeoff or Landing.....17 KTS

PREFLIGHT INSPECTION PREPARATION

Airplane Status.....AIRWORTHY, PAPERS ON BOARD

Weather.....SUITABLE

Weight and C.G.....WITHIN LIMITS

Charts and Navigation Equipment.....ON BOARD

Performance and Range.....COMPUTED AND SAFE

Baggage.....WEIGHED, STOWED, TIED

RIGHT WING

Wing.....FREE OF ICE, SNOW, FROST

Ailerons and Flaps.....CHECK MOVEMENT, SECURITY

Hinges.....CHECK FOR INTERFERENCE

Static Wicks.....CHECK

Wing Tip and Lights.....CHECK

Fuel Tank.....CHECK SUPPLY VISUALLY, SECURE CAP

Fuel Tank sump.....DRAIN

Fuel Vent.....CLEAR

Wing Tie Down and Chocks.....REMOVE

Main Gear Strut.....CHECK (4.5 in)

Tire.....CHECK

Brake Block and Discs.....CHECK.

Fresh Air Inlet.....CLEAR

NOSE SECTION

Fuel and Oil.....CHECK FOR LEAKS

Engine Oil.....CHECK LEVEL (MIN 6 QTS)

Dipstick.....PROPERLY SEATED

Cowling.....SECURE

Propeller and Spinner.....CHECK

Air Inlets.....CLEAR, REMOVE COVER

Alternator Belt.....CHECK TENSION

Landing Light.....CHECK

Nose Gear Strut.....CHECK (3.25 in)

Nose Wheel Tire.....CHECK

Fuel Strainer.....DRAIN

BEFORE START

Preflight Inspection.....COMPLETE
Cabin Door.....CLOSE AND SECURE
Seat Belts & Harnesses..FASTEN, CHECK INERTIA
Brakes.....SET
Circuit BreakersIN
Carburetor Heat.....OFF
Fuel Selector.....ON DESIRED TANK
Flaps.....UP
Radio Master Switch.....OFF
Passenger Briefing (SAFETY).....COMPLETE
Battery Master.....ON

STARTING ENGINE WHEN COLD

Throttle.....1/4" OPEN
Strobe Lights.....ON
Master Switch.....ON
Alternator Switch.....ON
Electric Fuel Pump.....ON
PrimeAS REQUIRED
Mixture.....FULL RICH
Propeller Area.....CLEAR
Starter.....ENGAGE
ThrottleADJUST TO 1000

Pressure.....CHECK

STARTING ENGINE WHEN HOT

Throttle.....1/2" OPEN
Strobe Lights.....ON
Master Switch.....ON
Alternator Switch.....ON
Electric Fuel Pump.....ON
Mixture.....FULL RICH
Propeller Area.....CLEAR
Starter.....ENGAGE
ThrottleADJUST TO 1000 RPM
Oil Pressure.....CHECK
Ammeter.....CHECK

STARTING ENGINE WHEN FLOODED

Throttle.....OPEN FULL
Master Switch.....ON
Alternator Switch.....ON
Electric Fuel Pump.....OFF
Mixture.....IDLE CUT-OFF
Propeller Area.....CLEAR
Starter.....ENGAGE
Mixture.....ADVANCE
ThrottleRETARD TO 1000 RPM
Oil Pressure.....CHECK
Ammeter.....CHECK

STARTING ENGINE WITH EXTERNAL POWER

REFER TO POH

ENGINE FIRE DURING START

Starter.....CRANK ENGINE
Mixture.....IDLE CUT-OFF
Throttle.....OPEN
Electric Fuel Pump.....OFF
Fuel Selector.....OFF

ABANDON IF FIRE CONTINUES

AFTER STARTING ENGINE

Strobe LightsOFF
Navigation Lights.....ON (night only)
Radio Master Switch.....ON
Fuel Pump.....OFF
Mixture.....RICH BELOW 5000'
Flaps.....UP
Radios.....SET AND TEST
Flight Instruments.....SET
Transponder.....STANDBY
Fuel Selector.....SWITCH TANKS
Dispatch.....RAMP OUT

TAXI

Transponder.....ALT
Taxi Area.....CLEAR
Parking Brake.....RELEASE
Throttle.....APPLY SLOWLY
Brakes.....CHECK
Steering.....CHECK
Ailerons.....SET TO WIND CONDITIONS

RUN UP

Brakes/Parking Brake.....

APPROACH

ATIS/AWOS.....CHECK
Altimeter.....SET
Nav Instruments..... SET
Stations.....IDENTIFY
HSI.....SET
Mode.....VLOC or GPS
Comm Radios.....SET
Approach Briefing.....COMPLETE
Before Landing Checklist.....COMPLETE
Backup Nav & Radios.....AS DESIRED

DESCENT NORMAL

Throttle.....AS REQUIRED (2500 RPM MAX)
Airspeed.....AS REQUIRED (126 KIAS MAX)
Mixture.....ENRICHEN
Carburetor Heat.....AS REQUIRED

DESCENT POWER OFF

Carburetor Heat.....AS REQUIRED
Mixture.....AS REQUIRED
Throttle.....CLOSE
Airspeed.....AS REQUIRED
Power.....VERIFY WITH THROTTLE EVERY 30 SECONDS

BEFORE LANDING

Seats.....ADJUST/SECURE
Belts/Harnesses.....FASTEN/CHECK
Electric Fuel Pump.....ON
Fuel SelectorFULLEST TANK
Mixture.....RICH
Landing Light.....ON
Carburetor 18 237.361 137.3...ar PN

EMERGENCY PROCEDURES

ENGINE FIRE DURING START

Starter.....CRANK ENGINE
Mixture.....IDLE CUT-OFF
Throttle.....OPEN
Electric Fuel Pump.....OFF
Fuel Selector OFF
ABANDON IF FIRE CONTINUES

ENGINE FAILURE DURING TAKE OFF

If engine failure occurs during takeoff, maintain safe airspeed and land straight ahead as required.

Airspeed.....MAINTAIN SAFE AIRSPEED
Landing.....LAND AND STOP STRAIGHT AHEAD
Brakes.....AS REQUIRED

If engine failure occurs during climb, maintain safe airspeed and land straight ahead as required. If power is not regained, proceed with power off landing.

Airspeed76 KIAS
Fuel Selector.....SWITCH to tank containing fuel
Electric Fuel pump.....ON
Mixture.....RICH
If power is not regained, proceed with power off landing

ELECTRICAL FAILURES

NOTE: When the low bus voltage Annunciator will be illuminated.

When the low bus voltage Annunciator is illuminated, the following actions should be taken:

Ammeter.....CHECK TO VERIFY INOP. ALTERNATOR

When the Ammeter is inoperative, the following actions should be taken:

Alternator Switch.....OFF
Electrical Load.....REDUCE TO MINIMUM
Alternator Circuit Breaker.....OFF

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