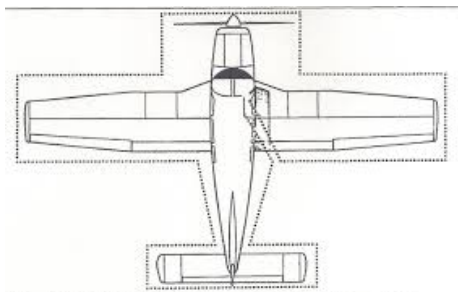


N44538 Piper Warrior 151 - Checklist

PREFLIGHT



WEATHER.....CHECK
EQUIPMENT REQUIREDCHECK
WEIGHT & BALANCECHECK
PERFORMANCE FIGURES.....CHECK
AIRCRAFT CLIPBOARD & KEYSCHECK

COCKPIT

REQUIRED DOCUMENTS.....AVAILABLE
HOBBS/TACH RECORD
MASTER ON
FUEL QUANTITY GAUGES CHECK
ANTI-COLLISION LIGHTS.....CHECK
STROBESCHECK
LANDING LIGHT.....CHECK
NAV LIGHTS.....CHECK (NIGHT OPS)
MASTER SWITCH OFF
FLAPS DOWN

RIGHT WING

FLAP SECURE & UNDAMAGED
AILERON FREE & CORRECT
WING TIP & LIGHT UNDAMAGED
FUEL DRAINS (INBOARD & OUTBOARD) SAMPLE
FUEL QUANTITY CHECK
FUEL CAP.....SECURE
FUEL VENTCLEAR

N44538 Piper Warrior 151 - Checklist

LANDING GEAR/TIREUNDAMAGED
BRAKESCHECK
AIR INLETCLEAR

NOSE

WINDSHIELD CLEAN & UNDAMAGED
ENGINE OIL LEVEL 6 TO 8 QTS
ENGINE OIL DIPSTICK SECURED
PROPELLER & SPINNER.....CHECK
COWLINGCHECK
LANDING LIGHTCHECK
NOSE GEAR & TIRECHECK
TOW BAR REMOVED & STOWED
CHOCKS REMOVED
ALTERNATOR BELT TENSION
FUEL SUMP DRAIN SAMPLE

LEFT WING

AIR INLET CLEAR
FUEL DRAIN (INBOARD & OUTBOARD)..... SAMPLE
FUEL QUANTITY CHECK
FUEL CAP SECURE
FUEL VENTCLEAR
LANDING GEAR & TUBECHECK
PITOT COVER.....REMOVED
PITOT MAST UNDAMAGED
STALL WARNING INDICATORCHECK
WING TIP & LIGHT UNDAMAGED
AILERON FREE
FLAP SECURE & UNDAMAGED

EMPENNAGE

STABILATOR & TRIM.....CHECK
RUDDERCHECK
VERTICAL STABILIZER.....CHECK
ANTENNASCHECK

N44538 Piper Warrior 151 - Checklist

FUSELAGE

BAGGAGE DOOR CLOSED & SECURE
PREFLIGHT INSPECTION COMPLETE

N44538 Piper Warrior 151 - Checklist

BEFORE STARTING ENGINE

PASSENGER BRIEFINGCOMPLETE
FLAPS RETRACTED
SEATS, BELTS.....ADJUSTED, LOCKED
DOOR LATCHED
RADIO MASTER OFF
FUEL SELECTOR LOWEST TANK
CIRCUIT BREAKERS CHECK
CONTROLS FREE & CORRECT

ENGINE START

PARKING BRAKE SET
MIXTUREFULL RICH
CARBURETOR HEAT OFF
MASTER SWITCHON
ANTI-COLLISION LIGHTSON
FUEL PUMP ON
FUEL PRESSURE CHECK
PRIME AS REQUIRED
THROTTLE CRACKED
PROPELLER AREA.....CLEAR
TOE BRAKES.....APPLY
STARTER ENGAGE
OIL PRESSURE (30/WARM & 60/COLD) CHECK
ENGINE < 1000 RPM
FUEL PUMPOFF
RADIO MASTER ON
NAV LIGHTS.....ON (FOR ADS-B)
TRANSPONDER ALT & 1200

N44538 Piper Warrior 151 - Checklist

TAXI

DO NOT RIDE THE BRAKES

GBR UNICOM 122.8.....RADIO CHECK
ALTIMETERSET
FLIGHT INSTRUMENTS.....CHECK
LIGHTSAS REQUIRED
AIRPORT DIAGRAM.....AVAILABLE
TAXI AREA CLEARCLEAR
STERILE COCKPITNO NON-ESSENTIAL CONVERSATION
BRAKESTEST

RUN UP

AIRCRAFT POSITION.....INTO THE WIND
PARKING BRAKESET
FUEL SELECTOR FULLEST TANK
MIXTURE FULL RICH
THROTTLE2000 RPM
MAGNETOS (175 RPM MAX DROP, 50 RPM DIFF.) CHECK
CARBURETOR HEATCHECK
ENGINE INSTRUMENTS IN GREEN
FUEL PRESSURECHECK
AMMETER.....CHECK
VACUUM PRESSURE.....4.5 - 5.2
THROTTLE IDLE
CARBURETOR HEATCHECK
THROTTLE < 1000 RPM
PRIMERLOCKED
FLIGHT INSTRUMENTS.....CHECK
FLIGHT CONTROLS FREE & CORRECT
THROTTLE FRICTION LOCK ADJUSTED
TRANSPONDER ON-ALT

N44538 Piper Warrior 151 - Checklist

BEFORE TAKEOFF

DOORCLOSED & LOCKED
WINDOWSECURE
SEATLOCKED IN PLACE
SEAT BELTS.....FASTENED
LANDING LIGHTON
STOBE LIGHTS.....ON
FUEL PUMPON
MIXTURE CONFIRM FULL RICH (OR SET FOR ALTITUDE)
FLAPS.....SET
TRIM TAB SET TO NEUTRAL
TIME OFFNOTED
DEPARTURE BRIEFING.....BRIEFED

N44538 Piper Warrior 151 - Checklist

DEPARTURE BRIEFING

- Wind Direction & Speed
- Runway Abort Point
- Climb Speed
- Best Glide Speed
- Known Obstructions & Terrain
- Decision Height/Altitude
- Landing Options
- Airplane Configured (W.H.A.T. - I.F.)

Risk Profile

Low

1. TAKE OFF ROLL

Power To Idle
Maintain Directional Control
Stop

Moderate

2. RUNWAY REMAINING

Pitch Down
Power To Idle
Land Straight Ahead

High

3. INITIAL CLIMB

Pitch Down
Establish Best Glide
Land Within a Widening Pie Slice
Land Into Wind

Moderate

4. DEPARTURE CLIMB

Pitch Down
Establish Best Glide
Select Best Landing Spot
Land Into Wind
Systems Off
Crack Open Doors

N44538 Piper Warrior 151 - Checklist

NORMAL TAKEOFF

FLAPSUP
ROTATE 50-60 MPH
CLIMB SPEED (V_Y).....87 MPH

SHORT-FIELD TAKEOFF

FLAPS25°
POSITIONALL AVAILABLE RUNWAY
BRAKES.....HOLD
THROTTLE FULL OPEN
ENGINE.....MAX STATIC POWER
BRAKESRELEASE
ROTATE 66 MPH
INITIAL CLIMB SPEED (V_X)76 MPH
FLAPSUP - CLEAR 50' OBSTACLE
CLIMB SPEED (V_Y).....87 MPH

CLIMB

THROTTLEFULL
FLAPSRETRACT CLEAR OBSTACLES
CRUISE CLIMB.....100 MPH

CRUISE

PITCHSET
THROTTLE 2200-2500 RPM
TRIM SET
FUEL SELECTORPROPER TANK
FUEL PUMPOFF
MIXTURELEAN AS REQ
LANDING LIGHTOFF

N44538 Piper Warrior 151 - Checklist

APPROACH

ATIS/AWOSCHECK
ALTIMETERSET
AIRPORT DIAGRAMCHECK
LANDING LIGHTON
MIXTUREADJUST
APPROACHBRIEFED

BEFORE LANDING

POWERAS REQUIRED
MIXTURERICH
CARB HEATAS REQ
FUEL PUMPON
LANDING LIGHTON
FUEL SELECTORPROPER TANK
SEAT BELTSFASTENED
FLAPSAS REQ
FLIGHT INSTRUMENTSCHECK

NORMAL LANDING

FLAPSAS REQ
AIRSPEED0° FLAPS 80 MPH
.....10° FLAPS 77 MPH
.....25° FLAPS 74 MPH
.....40° FLAPS 71 MPH

SHORT-FIELD LANDING

FLAPS40° FLAPS
AIRSPEEDFINAL APPROACH 73 MPH
FLAPSRETRACT AFTER TOUCH OWN
BRAKESAPPLY

N44538 Piper Warrior 151 - Checklist

GO AROUND

THROTTLEFULL FWD
CARB HEATOFF
PITCHUP
FLAPSRETRACT TO 25°
AIRSPEED (V_x)PITCH FOR 76 MPH
POSITIVE RATE OF CLIMBCONFIRM
FLAPSRETRACT AT SAFE ALTITUDE
CLIMB (V_y)87 MPH

N44538 Piper Warrior 151 - Checklist

CLEAR OF RUNWAY

FLAPS.....RETRACT
CARB HEAT.....OFF
LANDING LIGHT.....AS REQ
STROBES.....OFF
FUEL PUMP.....OFF
MIXTURE.....LEAN FOR TAXI
TAXI CLEARANCE.....BRIEF

SHUTDOWN

THROTTLE.....< 1000 RPM
TRANSPONDER.....STANDBY & 1200
LANDING LIGHT.....OFF
RADIO MASTER.....OFF
MIXTURE.....IDLE CUTOFF
MASTER.....OFF
MAGNETOS.....OFF
KEY.....REMOVED

SECURING

WINDOW.....CLOSED
FLIGHT CONTROLS.....SECURED
COCKPIT.....CLEAN OF DEBRIS
PARKING BRAKE.....OFF
HOBBS/TACH.....RECORDED
COWL COVERS.....INSTALLED
PITOT COVER.....INSTALLED
DOOR.....CLOSED
CHOCK.....AS REQ
POST-FLIGHT WALK AROUND.....COMPLETE

N44538 Piper Warrior 151 - Checklist

EMERGENCY PROCEDURES

ENGINE POWER LOSS DURING TAKE-OFF

AIRSPEED PITCH FOR BEST GLIDE

FUEL SELECTOR SWITCH TANKS

FUEL PUMP ON

MIXTURE CONFIRM RICH

CARBURETOR HEAT ON

ENGINE FAILURE

AIRSPEED 85 MPH

SUITABLE FIELD SELECT

FUEL SELECTOR SWITCH TANKS

FUEL PUMP ON

MIXTURE RICH

CARBURETOR HEAT ON

ENGINE GAUGES CHECK

PRIMER IN & LOCKED

IGNITION LEFT/RIGHT/BOTH

ENGINE GAUGES CHECK

IF POWER IS RESTORED:

FUEL PUMP AS REQ

MIXTURE SET AS REQ

CARBURETOR HEAT AS REQ

LAND AS SOON AS POSSIBLE

IF POWER IS NOT RESTORED:

POWER OFF LANDING

AIRSPEED 85 MPH

SUITABLE FIELD SELECT

TRANSPONDER 7700

COMMUNICATE MAYDAY (121.5)

N44538 Piper Warrior 151 - Checklist

WHEN COMMITTED TO LANDING:

IGNITION SWITCH OFF
MASTER SWITCH OFF
FUEL SELECTOR VALVE OFF
MIXTURE IDLE CUT-OFF
SEAT BELTS SECURE
PASSENGERS BRIEFED
DOOR OPEN
FLAPS AS REQ
TOUCHDOWN LOWEST AIRSPEED POSSIBLE
EXIT AIRCRAFT AS SOON AS POSSIBLE

ENGINE ROUGHNESS

CARBURETOR HEAT ON
MIXTURE ADJUST FOR MAX. SMOOTHNESS
FUEL PUMP ON
FUEL SELECTOR SWITCH TANKS
ENGINE GAUGES CHECK
PRIMER CONFIRM IN & LOCKED
MAGNETOS CHECK LEFT - RIGHT - BOTH

IF ROUGHNESS PERSISTS, PREPARE FOR
PRECAUTIONARY LANDING

FIRE

ELECTRICAL FIRE (SMOKE IN CABIN)

MASTER OFF
VENTS OPEN
CABIN HEAT OFF
ELECTRICAL EQUIPMENT OFF
LAND AS SOON AS POSSIBLE

N44538 Piper Warrior 151 - Checklist

ENGINE FIRE

- FUEL SELECTOR.....OFF
- THROTTLE CLOSED
- MIXTURE IDLE CUT-OFF
- FUEL PUMPOFF
- CABIN HEAT..... OFF
- DEFROSTER.....OFF
- THROTTLE CLOSED
- AIRSPEEDPITCH FOR EMERGENCY DESCENT

LOSS OF OIL PRESSURE/HIGH OIL TEMPERATURE

- LANDAS SOON AS PRACTICAL
- PREPARE FOR IMMINENT ENGINE FAILURE

LOSS OF FUEL PRESSURE

- FUEL PUMPON
- FUEL SELECTOR.....CHECK ON FULL TANK
- LANDAS SOON AS PRACTICAL

ALTERNATOR FAILURE

- LOAD METERCHECK
- ELECTRICAL LOADREDUCE
- CIRCUIT BREAKERSCHECK & RESET
- ALTERNATOR.....OFF (FOR 1 SECOND), THEN ON

IF POWER NOT RESTORED THEN:

- ALTERNATOROFF
- ELECTRICAL LOADREDUCE
- LANDAS SOON AS PRACTICAL

N44538 Piper Warrior 151 - Checklist

SPINS

- THROTTLE IDLE
- AILERONS NEUTRAL
- RUDDER OPPOSITE ROTATION
- CONTROL WHEEL FULL FORWARD
- RUDDER NEUTRAL (WHEN ROTATION STOPS)
- CONTROL WHEEL SMOOTHLY REGAIN LEVEL FLIGHT

OPEN DOOR

- AIRSPEED SLOW TO 100 MPH
- CABIN VENTS CLOSE
- STORM WINDOW OPEN
- SLIP IN DIRECTION OF DOOR
- DOOR LATCH CLOSED

N44538 Piper Warrior 151 - Checklist

PERFORMANCE*

Takeoff Ground Run (minimum)1065 ft
Takeoff Distance Over 50-ft Obstacle (25 ° flaps).....1760 ft
Rate of Climb (ft per min).....649 ft
Service Ceiling12,700 ft
Landing Roll (flaps down)595 ft
Landing Roll Over 50-ft Obstacle (flaps down).....1115 ft

Vso.....58 mph
Vs.....65 mph
Vx.....76 mph
Vy.....87 mph
Vfe.....125 mph
Va.....124 mph
Vno.....140 mph
Vne.....176 mph
Vbg85 mph

Max. Gross Weight.....2325 lbs
Useful Load896.5 lbs
Max. Baggage200 lbs

FuelFull 50 gals
.....Usable 48 gals
.....Tabs 36 gals
Oil6 - 8 quarts

Avg. Fuel Burn.....8.5 GPH

*Please reference specific aircraft POH for flight planning.

The pilot is responsible for verifying all documents prior to flight!
For more detailed information on operating each aircraft and its systems, please refer to each aircraft's specific POH and W&B.