



PIPER ARCHER III CHECKLIST

*blue text means N522JW only

PREFLIGHT

INTERIOR

CONTROL WHEEL LOCK.....REMOVE
 ARROW DOCUMENTS.....CHECK
 HOBBS/TACH TIME.....RECORD
 MAGNETOS.....OFF
 MASTER SWITCH.....ON
 EXTERIOR LIGHTS.....CHECK
 MASTER SWITCH.....OFF
 FLAPS.....DOWN
 ALT STATIC.....OFF
 PITOT LINES.....DRAIN
 FUEL SELECTOR.....PROPER TANK
 FIRE EXTINGUISHER.....CHECK

RIGHT WING

FLAP.....CHECK
 AILERON.....CHECK
 WINGTIP.....CHECK
 LEADING EDGE.....CHECK
 TIEDOWN.....REMOVE
 TIRE.....CHECK
 BRAKE.....CHECK
 STRUT.....CHECK
 FUEL SUMP.....DRAIN
 FUEL QUANTITY.....VISUALLY VERIFY
 FUEL FILLER CAP.....SECURE
 CABIN AIR INLET.....CHECK

NOSE

WINDSCREEN.....CHECK
 OIL LEVEL.....CHECK
 FUEL SUMP.....DRAIN
 PROPELLER & SPINNER.....CHECK
 ENGINE AIR INLETS.....CHECK
 TIRE.....CHECK
 STRUT.....CHECK

LEFT WING

CABIN AIR INLET.....CHECK
 LEADING EDGE.....CHECK
 TIRE.....CHECK
 BRAKE.....CHECK

STRUT.....CHECK
 FUEL SUMP.....DRAIN
 FUEL QUANTITY.....VISUALLY VERIFY
 FUEL FILLER CAP.....SECURE
 TIEDOWN.....REMOVE
 PITOT MAST.....CHECK
 STALL TAB.....CHECK
 WINGTIP.....CHECK
 AILERON.....CHECK
 FLAP.....CHECK

EMPENNAGE

ANTENNAS.....CHECK
 STABILATOR.....CHECKED
 ANTI-SERVO TAB.....CHECKED
 RUDDER.....CHECK
 TAIL TIE DOWN.....REMOVE
 BAGGAGE DOOR.....CLOSED

BEFORE ENTERING AIRCRAFT

ALL TIEDOWNS.....CHECK REMOVED
 CHOCKS.....CHECK REMOVED AND OUT OF PATH
 PITOT COVER.....CHECK REMOVED
 SURROUNDING AREA.....CLEAR OF OBSTRUCTIONS

NORMAL PROCEDURES

BEFORE START

PREFLIGHT INSPECTION.....COMPLETE
 PASSENGER BRIEFING.....COMPLETE
 SEATS & SEAT BELTS.....ADJUSTED & FASTENED
 FUEL SELECTOR.....PROPER TANK
 CIRCUIT BREAKERS.....CHECK IN
 FLIGHT CONTROLS.....PROPER OPERATION
 MASTER SWITCH.....OFF
 AVIONICS SWITCH.....OFF
 MASTER SWITCH.....ON
 G600 TXI.....POWER OFF
 STROBES.....ON
 NAV LIGHTS.....AS REQUIRED

ENGINE START

THROTTLE.....1/4" OPEN
 FUEL PUMP.....ON
 MIXTURE.....FULL RICH
 ENGINE.....PRIME

IF HOT START - DO NOT PRIME

PROPELER AREA.....CLEAR
 BRAKES.....HOLD
 LEFT MAGNETO.....ON
 STARTER.....ENGAGE
 THROTTLE.....1000 RPM
 RIGHT MAGNETO.....ON
 OIL PRESSURE.....CHECK GREEN
 AMPS.....POSITIVE CHARGE
 ANNUNCIATORS.....EXTINGUISHED

MIXTURE.....LEAN FOR TAXI
 G600 TXI.....POWER ON
 FLAPS.....RETRACT

AFTER START/BEFORE TAXI

AVIONICS.....ON
 GPS DATABASE.....VERIFY CURRENCY
 COMMS.....SET
 ATIS/AWOS.....OBTAIN
 ALTIMETER.....SET
 FLIGHT PLAN.....SET
 TRANSPONDER.....1200/ASSIGNED
 TAXI CLEARANCE.....OBTAINED

WHILE TAXIING

BRIEF PRIOR TO RELEASING BRAKES AND COMPLETE WHILE TAXIING

TAXI.....BRIEF
 TAXI LIGHT.....ON
 BRAKES.....TEST
 STEERING.....CHECKED
 FLIGHT INSTRUMENTS.....CHECKED

RUN UP

BRAKES.....HOLD
 MIXTURE.....FULL RICH
 THROTTLE.....2000 RPM
 MAGNETOS.....CHECK DROP
 CARB HEAT.....CHECK DROP
 OIL TEMPERATURE.....CHECK
 OIL PRESSURE.....CHECK
 AMPS/VOLTS.....CHECK
 AUTO PILOT.....TEST
 ELECTRIC TRIM.....TEST
 THROTTLE.....IDLE THEN 1000 RPM

BEFORE TAKEOFF

DEPARTURE BRIEFING.....COMPLETE
 FUEL PUMP.....ON
 MAGNETOS.....ON
 CARB HEAT.....OFF
 FLIGHT INSTRUMENTS.....CHECK
 STANDBY INSTRUMENTS.....CHECK
 ANNUNCIATORS.....CHECK
 FUEL SELECTOR.....PROPER TANK
 ENGINE INDICATIONS.....CHECK
 SEAT BACKS.....ERECT
 SEATS.....ADJUSTED AND LOCKED IN POSITION
 SEAT BELTS.....FASTENED
 FLAPS.....SET
 TRIM.....TAKEOFF
 CONTROLS.....FREE AND CORRECT
 DOOR AND WINDOW.....LATCHED
 LIGHTS/PITOT HEAT.....AS REQUIRED

CLIMB (1,000FT AGL)

SPEED87 KIAS
 FUEL PUMPOFF
 FLAPSRETRACTED

CRUISE

THROTTLESET PER POWER TABLE
 MIXTURELEAN AS REQUIRED
 ENGINE INSTRUMENTSCHECKED
 LIGHTINGAS REQUIRED

DESCENT/BEFORE LANDING

ATIS/AWOSOBTAIN
 ALTIMETERSET
 COMMS/NAV RADIOS & AVIONICSCHECKED & SET
 APPROACHBRIEFED
 SEAT BACKSERECT
 SEAT BELTSFASTENED
 MIXTUREFULL RICH
 LIGHTINGAS REQUIRED
 FUEL PUMPON
 CARB HEATAS REQUIRED
 PARK BRAKEVERIFY OFF
 TOE BRAKESDEPRESS TO CHECK

AFTER LANDING (FLOW THEN VERIFY)

COMMSMONITOR GROUND (WHEN APPLICABLE)
 FLAPSRETRACT
 MIXTURELEAN
 FUEL PUMPOFF
 PITOT HEATOFF
 LIGHTINGAS REQUIRED

SHUTDOWN

AVIONICSOFF
 G600 TXIPOWER OFF
 ELECTRICAL SWITCHESOFF
 THROTTLEIDLE
 MAGNETOSGROUND CHECK
 THROTTLE1200 RPM
 MIXTUREIDLE CUTOFF
 THROTTLECLOSED
 MAGNETOSOFF
 INTERIOR LIGHTSOFF
 MASTER SWITCHOFF
 CONTROL LOCKINSTALLED
 PITOT COVER, COWL PLUGSINSTALLED
 TIEDOWNSSECURED
 HOBBS/TACH TIMERECORDED
 DISPATCH LOGCOMPLETED

EMERGENCY PROCEDURES

POWER LOSS IN FLIGHT

AIRSPPEED76 KIAS
 BEST FIELD
 FUEL PUMPON
 MIXTUREFULL RICH
 CARB HEATON
 FUEL SELECTORSWITCH
 MAGNETOSCHECK ALL

IF NO RESTART & TIME PERMITS

TRANSPONDER7700
 ATCDECLARE EMERGENCY
 MIXTUREIDLE CUTOFF
 FLAPSAS REQUIRED
 MASTER & MAGNETOSOFF
 DOORUNLATCHED

ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL + MASTEROFF
 VENTS/HEAT/AIRCLOSED
 AVIONICS MASTEROFF

IF FIRE OUT

MASTERON IF CRITICAL
 ESSENTIAL ELECTRICALON ONE AT A TIME
 CIRCUIT BREAKER(S)RESET ONLY IF CRITICAL

ENGINE FIRE IN FLIGHT

MIXTUREIDLE CUTOFF
 FUEL SELECTOROFF
 FUEL PUMPOFF
 MASTEROFF
 CABIN HEAT/AIROFF
 AIRSPEED>100 KIAS TO EXTINGUISH

LAND AS SOON AS POSSIBLE

ENGINE FIRE DURING START

STARTERCONTINUE CRANKING

IF START

THROTTLERUN FOR A FEW SECONDS
 ENGINESHUTDOWN & INSPECT DAMAGE

IF NO START

MIXTUREIDLE CUTOFF
 FUEL SELECTOROFF
 THROTTLEFULL OPEN
 STARTERCONTINUE CRANKING
 MASTEROFF
 MAGNETOSOFF

EVACUATE!

ATLANTIC: 129.00
RJC (ECHO): 131.40

V_{SO} : 45 KIAS
V_{S1} : 50 KIAS
V_r : 60 KIAS
V_x : 64 KIAS
V_g (max gross) : 76 KIAS
V_y : 76 KIAS
V_a (1634 lbs) : 89 KIAS
V_a (max gross) : 113 KIAS
V_{NO} : 125 KIAS
V_{NE} : 154 KIAS
V_{FE} : 102 KIAS

SHORT FIELD TAKEOFF

25° Flaps - Rotate at 55 KIAS - Climb at barrier speed
 until clear of obstacle - accelerate to Vy

SOFT FIELD TAKEOFF

25° Flaps - Full back pressure - Rotate at slowest speed
 - accelerate to Vy in ground effect

**THIS CHECKLIST IS FOR CONVENIENCE ONLY AND
 DOES NOT REPLACE THE POH. USE IS AT THE
 OWN RISK OF THE PILOT IN COMMAND.**

**ABNORMAL PROCEDURES CAN BE
 FOUND IN THE POH**