



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 ¼" 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
FUEL PUMP OFF
FUEL PRESSURE CHECK GREEN
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
THROTTLE IDLE THEN 1000 RPM
AUTO PILOT TEST
ELECTRIC TRIM TEST

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)
SPEED 87 KIAS
FUEL PUMP OFF
FLAPS RETRACTED

CRUISE

THROTTLE SET PER POWER TABLE
MIXTURE LEAN AS REQUIRED
ENGINE INSTRUMENTS CHECKED
LIGHTING AS REQUIRED

DESCENT/BEFORE LANDING

ATIS/AWOS OBTAIN
ALTIMETER SET
COMMS/NAV RADIOS & AVIONICS CHECKED & SET
APPROACH BRIEFED
SEAT BACKS ERECT
SEAT BELTS FASTENED
MIXTURE FULL RICH
LIGHTING AS REQUIRED
FUEL PUMP ON
CARB HEAT AS REQUIRED
PARK BRAKE VERIFY OFF
TOE BRAKES DEPRESS TO CHECK

AFTER LANDING (FLOW THEN VERIFY)

COMMS MONITOR GROUND (WHEN APPLICABLE)
FLAPS RETRACT
MIXTURE LEAN
FUEL PUMP OFF
PITOT HEAT OFF
LIGHTING AS REQUIRED

SHUTDOWN

AVIONICS OFF
G600 TXI POWER OFF
ELECTRICAL SWITCHES OFF
THROTTLE IDLE
MAGNETOS GROUND CHECK
THROTTLE 1200 RPM
MIXTURE IDLE CUTOFF
THROTTLE CLOSED
MAGNETOS OFF
INTERIOR LIGHTS OFF
MASTER SWITCH OFF
CONTROL LOCK INSTALLED
PITOT COVER, COWL PLUGS INSTALLED
TIEDOWNS SECURED
HOBBS/TACH TIME RECORDED
DISPATCH LOG COMPLETED

EMERGENCY PROCEDURES

POWER LOSS IN FLIGHT

AIRSPPEED 76 KIAS
BEST FIELD
FUEL PUMP ON
MIXTURE FULL RICH
CARB HEAT ON
FUEL SELECTOR SWITCH
MAGNETOS CHECK ALL

IF NO RESTART & TIME PERMITS

TRANSPONDER 7700
ATC DECLARE EMERGENCY
MIXTURE IDLE CUTOFF
FLAPS AS REQUIRED
MASTER & MAGNETOS OFF
DOOR UNLATCHED

ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL + MASTER OFF
VENTS/HEAT/AIR CLOSED
AVIONICS MASTER OFF

IF FIRE OUT

MASTER ON IF CRITICAL
ESSENTIAL ELECTRICAL ON ONE AT A TIME
CIRCUIT BREAKER(S) RESET ONLY IF CRITICAL

ENGINE FIRE IN FLIGHT

MIXTURE IDLE CUTOFF
FUEL SELECTOR OFF
FUEL PUMP OFF
MASTER OFF
CABIN HEAT/AIR OFF
AIRSPEED >100 KIAS TO EXTINGUISH

LAND AS SOON AS POSSIBLE

ENGINE FIRE DURING START

STARTER CONTINUE CRANKING

IF START

THROTTLE RUN FOR A FEW SECONDS
ENGINE SHUTDOWN & INSPECT DAMAGE

IF NO START

MIXTURE IDLE CUTOFF
FUEL SELECTOR OFF
THROTTLE FULL OPEN
STARTER CONTINUE CRANKING
MASTER OFF
MAGNETOS OFF

EVACUATE!

ABNORMAL PROCEDURES CAN BE FOUND IN THE POH

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.**