

WARRIOR III – PA28-161 (AVIDYNE) – NORMAL PROCEDURES
BEFORE ENGINE START THROUGH ENGINE SHUTDOWN – CHECKLIST WILL BE VERBALIZED

BEFORE ENGINE START

TACH TIME CHECK TIME REMAINING
HOBBS TIME RECORD
PARKING BRAKE SET
PASSENGER BRIEF COMPLETE
SEATBELTS AND HARNESSSES FASTEN AND SECURE
CABIN DOOR CLOSE AND SECURE

ENGINE START

CIRCUIT BREAKERS IN
AVIONICS MASTER OFF
FUEL SELECTOR CYCLE
MASTER ON
ALTERNATOR ON
FUEL PUMP ON
FUEL PRESSURE CHECK PRESSURE
ANTI-COLLISION LIGHTS ON
THROTTLE OPEN ¼ INCH
MIXTURE RICH
PRIME AS REQUIRED
AREA CLEAR
STARTER ENGAGE
OIL PRESSURE CHECK
FUEL PRESSURE CHECK
THROTTLE 1000 RPM

PRE-TAXI

AVIONICS ON, TEST
AWOS/ATIS CHECK
ALTIMETER/DG SET
TRANSPONDER 1200 & STBY
FUEL SELECTOR FULLEST TANK
BRAKES TEST

ENGINE RUN-UP

PARKING BRAKE SET
FLIGHT CONTROLS FREE & CORRECT
AUTOPILOT ON & TEST
TRIM NEUTRAL
THROTTLE 2000 RPM
ENGINE INSTRUMENTS CHECK
MAGNETOS CHECK L & R
(MAX DROP 175 & MAX DIFF 50 RPM)
CARB HEAT CHECK
FUEL PUMP OFF
FUEL PRESSURE CHECK
MIXTURE AS REQUIRED
THROTTLE 1000 RPM
ALTERNATOR CHECK AMPS
PITOT HEAT CHECK
ELECTRIC TRIM CHECK ON
ANNUNCIATOR PANEL TEST
FLIGHT INSTRUMENTS CHECK & SET
CABIN DOOR LATCHED

BEFORE TAKE-OFF

TYPE OF TAKEOFF DETERMINE
FLAPS AS REQUIRED
AIRSPEEDS: ROTATION, CLIMB OUT,
AND BEST GLIDE CALCULATE (GUST SPREAD)
PRE-TAKEOFF BRIEFING COMPLETE
FUEL PUMP ON

ANTI-COLLISION LIGHTS ON
LANDING LIGHT ON
TRANSPONDER SQUAWK ALT
MIXTURE RICH
AUTOPILOT OFF
CABIN DOOR LATCHED
TAKE-OFF TIME RECORD

** RESET HEADING INDICATOR AFTER TAXIING ONTO RUNWAY**

CLIMB (BETWEEN 500 AND 1500 AGL)

POWER SET
TRIM SET
FUEL PUMP OFF
FUEL PRESSURE CHECK
LANDING LIGHT OFF
HEADING INDICATOR SET

CRUISE (AT TOP OF CLIMB FOR X/C AND LCL FLIGHTS)

POWER SET
TRIM SET
HEADING INDICATOR SET
MIXTURE AS REQUIRED
TRUE AIR SPEED (X/C FLTS) VERIFY

IN-RANGE (X/C – BEFORE TOP OF DESCENT; LCL – BEFORE TURNING TO DOWNWIND)

AWOS/ATIS CHECK
ALTIMETER SET
MIXTURE RICH
FUEL PUMP ON
FUEL PRESSURE CHECK
FUEL SELECTOR FULLEST TANK
LANDING LIGHT ON
SEATBELTS FASTEN AND SECURE

BEFORE LANDING (BEFORE PATTERN ENTRY AND BEFORE MIDFIELD DOWNWIND EACH SUBSEQUENT APPROACH)

TYPE LANDING DETERMINE
APPROACH SPEED ON FINAL CALCULATE (GUST SPREAD)
FLAP SETTING ON FINAL DETERMINE
AUTOPILOT OFF

AFTER LANDING (AFTER CLEARING RUNWAY)

FLAPS UP
FUEL PUMP OFF
LANDING LIGHT AS REQUIRED
TRANSPONDER 1200 & STBY

ENGINE SHUTDOWN

THROTTLE AFT
AVIONICS MASTER OFF
ELECTRICAL SWITCHES OFF
NAV. PANEL & OVERHEAD LIGHTS OFF
MIXTURE IDLE CUT OFF
MASTER OFF
MAGNETOS OFF
VENT WINDOW CLOSED
HOBBS TIME RECORD

POST-FLIGHT

CABIN DOOR SECURED
AIRCRAFT TIE DOWN OR CHOCK
WALK AROUND AIRCRAFT NOTE GENERAL CONDITION

WARRIOR III – PA28-161 – EMERGENCY PROCEDURES

ENGINE FIRE DURING START

STARTER.....CONTINUE TO CRANK
MIXTURE.....IDLE/CUT OFF
THROTTLE.....OPEN
FUEL PUMP.....OFF
FUEL SELECTOR.....OFF

IF FIRE CONTINUES

EVACUATE AIRCRAFT
USE FIRE EXTINGUISHER IF AVAILABLE

ELECTRICAL FIRE

MASTER.....OFF
ALTERNATOR.....OFF
CABIN VENTS AND WINDOWS.....OPEN
CABIN HEAT.....OFF
DEFROSTER.....OFF

ENGINE ROUGHNESS

CARB HEAT.....ON
MIXTURE.....ADJUST
FUEL PUMP.....ON
FUEL SELECTOR.....SWITCH TANKS
ENGINE GUAGES.....CHECK
MAGNETOS.....CYCLE
*LAND ASAP

ENGINE FIRE IN FLIGHT

FUEL SELECTOR.....OFF
THROTTLE.....CLOSED
MIXTURE.....OFF
FUEL PUMP.....OFF
CABIN HEAT.....OFF
DEFROSTER.....OFF
VENTS.....OPEN
ENGINE.....SECURE

RADIO FAILURE

AUDIO PANEL.....CHECK AUTO ON "PHONES"
MIC JACK.....CHECK
VOLUME.....TEST
CIRCUIT BREAKERS.....IN
FREQUENCY.....CHECK
TRANSPONDER.....7600
*FOLLOW LOST COMM PROCEDURES

LOSS OF FUEL PRESSURE

ELECTRIC FUEL PUMP.....ON
FUEL SELECTOR.....SWITCH

ENGINE FAILURE/PARTIAL POWER LOSS

PITCH (BEST GLIDE).....73 KTS
TRIM.....73 KTS
FIELD.....SELECT SUITABLE
FUEL SELECTOR.....SWITCH TANKS
MAGNETOS.....CYCLE
THROTTLE.....ADJUST
MIXTURE.....RICH
CARB HEAT.....ON

FUEL PUMP.....ON

IF POWER RESTORED

CARB HEAT.....OFF
FUEL PUMP.....OFF

IF POWER NOT RESTORED

TRANSPONDER.....7700
RADIO.....121.5

ENGINE SECURE IN FLIGHT

FUEL SELECTOR.....OFF
MAGNETOS.....OFF
THROTTLE.....CLOSED
MIXTURE.....OFF
CARB HEAT.....OFF
SEAT BELTS.....ON
DOOR.....UNLATCH
ELT.....ON
MASTER/BATTERY.....OFF
ALTERNATOR SWITCH.....OFF
*PREPARE FOR EMERGENCY LANDING (69 KNOTS SHORT FINAL)

OPEN DOOR

SLOW AIRPLANE TO 89 KTS
CABIN VENTS.....CLOSE
STORM WINDOW.....OPEN
IF UPPER LATCH IS OPEN.....LATCH

IF SIDE LATCH IS OPEN

PULL ARM REST MOVE LATCH HANDLE

IF BOTH LATCHES OPEN

LATCH SIDE LATCH THEN TOP

ELECTRICAL OVERLOAD

(ALTERNATOR OVER 20 AMPS ABOVE KNOWN ELECTRICAL LOAD)

ALT SWITCH.....ON
BATTERY MASTER SWITCH.....OFF

IF ALTERNATOR LOADS ARE REDUCED

ELECTRICAL LOAD.....REDUCE TO MINIMUM
LAND AS SOON AS PRACTICAL

NOTE: DUE TO INCREASED SYSTEM VOLTAGE AND RADIO FREQUENCY NOISE, OPERATION WITH ALT SWITCH ON AND BATT SWITCH OFF SHOULD BE MADE ONLY WHEN REQUIRED BY AN ELECTRICAL SYSTEM FAILURE.

IF ALTERNATOR LOADS ARE NOT REDUCED

ALT SWITCH.....OFF
BATT SWITCH.....AS REQUIRED
LAND AS SOON AS POSSIBLE
ANTICIPATE COMPLETE ELECTRICAL FAILURE