

PA-28-161 WARRIOR II: NORMAL CHECKLIST

BEFORE START

PREFLIGHT INSPECTION -COMPLETE
AIRWORTHINESS REQUIREMENTS -MET
HOBBS TIME -RECORDED
CHOCKS / TIEDOWNS / PROPELLER LOCK / PITOT COVER -REMOVED
LAP BELTS & SHOULDER HARNESSSES -FASTENED
SEATS -LOCKED
PASSENGER SAFETY BRIEFING -REVIEWED (Safety Belt Use, Door Use, Emergencies)
ELECTRICAL EQUIPMENT -OFF
AVIONICS MASTER SWITCH & NAVIGATION EQUIPMENT -OFF
TRANSPONDER -OFF AND SET TO 1200
CIRCUIT BREAKERS -IN
ELT -ARMED
ALTERNATE STATIC SOURCE -OFF

ENGINE START

PARKING BRAKE -ON
FUEL SELECTOR -ON FULLER TANK
CARBURETOR HEAT -OFF
MIXTURE -FULL RICH
THROTTLE -OPEN 1/4 INCH (1/2 INCH IF ENGINE IS HOT)
KEY -IN IGNITION
MASTER SWITCH -ON
BEACON -ON
FUEL PUMP -ON & CHECK FUEL PRESSURE
PRIME -AS REQUIRED, THEN LOCKED (NONE IF ENGINE IS HOT)
AREA -CLEAR
STARTER -ENGAGE
ENGINE -1000 RPM
MIXTURE -LEANED FOR TAXI
FUEL PUMP -OFF & CHECK FUEL PRESSURE
OIL PRESSURE -IN NORMAL RANGE
AMMETER -VERIFY ELECTRICAL LOAD
AUXILIARY VACUUM -CHECK, THEN OFF (If Installed In Aircraft)
SUCTION -CHECK
EXTERIOR & INTERIOR LIGHTS -AS REQUIRED
AVIONICS MASTER SWITCH -ON
TRANSPONDER -STANDBY

TAXI

FLIGHT INSTRUMENTS -VERIFY PROPER OPERATION

RUNUP

PARKING BRAKE -ON AND BRAKES HELD
FLIGHT CONTROLS -VERIFY FULL TRAVEL & CORRECT DEFLECTIONS
MIXTURE -FULL RICH
ENGINE -2000 RPM (Verify No Aircraft Movement)
1. MAGNETO CHECK -MAXIMUM DROP: 175 RPM / MAXIMUM DIFFERENTIAL: 50 RPM
2. CARBURETOR HEAT -CHECK, THEN OFF
3. ALTERNATOR -CHECK
4. SUCTION - 4.8 TO 5.1 INCHES HG
5. ENGINE GAUGES -IN NORMAL RANGE
ENGINE -IDLE CHECK, THEN 1000 RPM
FLIGHT INSTRUMENTS -CHECKED AND SET
CLOCK / WATCH -SET
NAVIGATION EQUIPMENT -ON AS REQUIRED AND SET
TRANSPONDER CODE -SET
ANNUNCIATOR PANEL -TEST
ELECTRIC PITCH TRIM -ON AND TEST (If Installed In Aircraft)
STABILATOR & RUDDER TRIM -EXERCISE, THEN SET FOR TAKEOFF
FLAPS -CYCLE, THEN SET AS REQUIRED
DOOR & WINDOW -CLOSED AND LATCHED
TAKEOFF BRIEFING -REVIEWED (Airspeeds, Takeoff Distance, Departure Procedure, Emergencies)
OIL TEMPERATURE -IN NORMAL RANGE BEFORE TAKEOFF
RADIO -ON PROPER FREQUENCY

▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶

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TAKEOFF

FUEL PUMP -ON
LANDING LIGHT -ON
STROBE LIGHTS -ON
TRANSPONDER -TEST, THEN ALTITUDE MODE
TIME -COPY DOWN
HEADING INDICATOR -SET TO RUNWAY HEADING

CRUISE

POWER -SET
MIXTURE -LEANED (BEST POWER OR BEST ECONOMY)
FUEL PUMP -OFF & CHECK FUEL PRESSURE
LANDING LIGHT -OFF
HEADING INDICATOR -ADJUST
ATTITUDE INDICATOR -ADJUST
FUEL -BALANCE TANKS (Fuel Pump **ON** When Switching Tanks)

BEFORE LANDING

ALTIMETER -SET
FUEL PUMP -ON
FUEL SELECTOR -ON FULLER TANK
MAGNETOS -ON "BOTH"
PRIMER -LOCKED
MIXTURE -FULL RICH
LANDING LIGHT -ON
CARBURETOR HEAT -CHECK, THEN OFF
LAP BELTS & SHOULDER HARNESSSES -FASTENED

AFTER LANDING

RADIO -ON PROPER FREQUENCY
FUEL PUMP -OFF & CHECK FUEL PRESSURE
MIXTURE -LEANED FOR TAXI
TRANSPONDER -OFF AND SET TO 1200
LANDING LIGHT -OFF (Daytime)
FLAPS -0°

SHUT DOWN

PARKING BRAKE -ON
NAVIGATION EQUIPMENT -OFF
AVIONICS MASTER -OFF
ENGINE -1000 RPM
MIXTURE -IDLE CUT-OFF
IGNITION -OFF AND KEY REMOVED
EXTERIOR & INTERIOR LIGHTS -OFF
MASTER SWITCH -OFF

PARKING & SECURING

FLIGHT CONTROLS -SECURE
CHOCKS -IN PLACE
TIEDOWNS -SECURE
PITOT COVER -ON
PROPELLER LOCK -SECURE

COMMUNICATIONS (KBVY)

TOWER PHONE: 978-922-0657	ATIS / ASOS: 119.2
ASOS PHONE: 978-921-5042	GROUND: 121.6
BFC PHONE: 978-774-7755	TOWER / CTAF: 125.2
BFC / NORTH ATLANTIC AIR: 123.3	AIR-TO-AIR: 122.75
FLIGHT WATCH: 122.0	FLIGHT SERVICE: 122.2

AIRSPEEDS

V_R - 55 KIAS
(52 KIAS @ 25° FLAPS)
V_X BEST ANGLE - 63 KIAS
(57 KIAS @ 25° FLAPS)
V_Y BEST RATE - 79 KIAS
ENROUTE CLIMB - 87 KIAS

V_A - 111 KIAS @ 2440 LBS. GROSS
88 KIAS @ 1531 LBS. GROSS
BEST GLIDE - 73 KIAS
CLOSE DOOR - 89 KIAS OR BELOW
APPROACH @ 40° FLAPS - 63 KIAS
MAXIMUM CROSSWIND - 17 KTS