

PIPERSPORT: NORMAL CHECKLIST

BEFORE START

PREFLIGHT INSPECTION –COMPLETE
AIRWORTHINESS REQUIREMENTS –MET
CHOCKS / TIEDOWNS / PROPELLER LOCK / PITOT COVER –REMOVED
HARNESSES –FASTENED
PASSENGER SAFETY BRIEFING –REVIEWED (Safety Belt Use, Door Use, Emergencies)
ELECTRICAL EQUIPMENT –OFF
CIRCUIT BREAKERS –IN
ELT –OFF

ENGINE START

RUDDER PEDALS –ADJUSTED
PARKING BRAKE –ON
FUEL SELECTOR –ON FULLER TANK (**LEFT TANK IF IT IS FULL**)
CARBURETOR HEAT –OFF
THROTTLE –IDLE
CHOKE –**ON (IF COLD); OFF (IF HOT)**
KEY –IN IGNITION
MASTER SWITCH –ON
STROBE LIGHTS –ON
FUEL PUMP –ON
AREA –CLEAR
STARTER –ENGAGE
INSTRUMENT SWITCH –ON
AVIONICS SWITCH –ON
AUTOPILOT SWITCH –ON
FUEL PUMP –OFF AND CHECK PRESSURE
CHOKE –OFF
ENGINE –2500 RPM
OIL PRESSURE –IN NORMAL RANGE
AMMETER AND VOLTMETER –VERIFY ELECTRICAL LOAD
HOBBS TIME –RECORDED (on EFIS)
EXTERIOR LIGHTS –ON AS REQUIRED
TRANSPONDER –ON, VERIFY FLIGHT I.D. (“CSR” button twice), AND SET TO 1200
FUEL QUANTITY –SET ON EMS

TAXI

FLIGHT INSTRUMENTS –VERIFY PROPER OPERATION

RUNUP

PARKING BRAKE –ON AND BRAKES HELD
FLIGHT CONTROLS –VERIFY FULL TRAVEL & CORRECT DEFLECTIONS
CANOPY –CLOSED
ENGINE –4000 RPM (Verify No Aircraft Movement)
1. IGNITION CHECK -MAXIMUM DROP: 300 RPM / MAXIMUM DIFFERENTIAL: 115 RPM
2. CARBURETOR HEAT -CHECK, THEN OFF
3. AMMETER AND VOLTMETER –CHECK
4. ENGINE GAUGES -IN NORMAL RANGE
ENGINE –IDLE CHECK
ENGINE –2500 RPM
PRIMARY FLIGHT INSTRUMENTS –CHECKED
STANDBY FLIGHT INSTRUMENTS –CHECKED AND SET
EMS ALERT VOLUME –ADJUSTED
ELEVATOR TRIM –TEST AND SET (Trim indicator)
AILERON TRIM –TEST AND SET (Trim indicator)
FLAPS –CYCLE, THEN SET AS REQUIRED
TAKEOFF BRIEFING –REVIEWED (Airspeeds, Takeoff Distance, Departure Procedure, Emergencies)
OIL TEMPERATURE –IN NORMAL RANGE BEFORE TAKEOFF
CANOPY –CLOSED AND VISUALLY VERIFY THAT BOTH LATCHES ARE ENGAGED
HARNESSES –TIGHTENED

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

PIPERSPORT: NORMAL CHECKLIST

TAKEOFF

RADIO -ON PROPER FREQUENCY
STROBE LIGHTS -ON
LANDING LIGHT -ON
FUEL PUMP -ON
TRANSPONDER -ALTITUDE MODE
TIME -COPY DOWN

CRUISE

POWER -SET
FUEL PUMP -OFF & CHECK FUEL PRESSURE
LANDING LIGHT -OFF
FUEL -BALANCE TANKS (Fuel Pump **ON** When Switching Tanks)

BEFORE LANDING

ALTIMETER -SET
FUEL PUMP -ON
FUEL SELECTOR -ON FULLER TANK
LANDING LIGHT -ON
IGNITION -ON "BOTH"
CARBURETOR HEAT -CHECK, THEN OFF
HARNESSES -FASTENED

AFTER LANDING

RADIO -ON PROPER FREQUENCY
FUEL PUMP -OFF & CHECK FUEL PRESSURE
TRANSPONDER -STANDBY
LANDING LIGHT -OFF (Daytime)
FLAPS -0°

SHUT DOWN

PARKING BRAKE -ON
AIR VENTS -CLOSED
CABIN HEAT -OFF
HOBBS TIME -RECORDED (on EFIS)
THROTTLE -IDLE
IGNITION -OFF ONE SETTING AT A TIME
KEY -REMOVED
EXTERIOR LIGHTS -OFF
AUTOPILOT -OFF
AVIONICS SWITCH -OFF
INSTRUMENTS SWITCH -OFF
MASTER SWITCH -OFF
FLIGHT PLAN -CLOSED

CANOPY SHADE -CLOSED
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
EFAS (FLIGHT WATCH): 122.0	FLIGHT SERVICE: 122.2

AIRSPEEDS

V _R - 42 KIAS	V _A -88 KIAS @ 1320 LBS. GROSS
V _X BEST ANGLE - 60 KIAS	70 KIAS @ 900 LBS. GROSS
V _Y BEST RATE - 65 KIAS	APPROACH @ 30° FLAPS - 60 KIAS
BEST GLIDE - 60 KIAS	MAXIMUM HEADWIND - 23 KTS
	MAXIMUM CROSSWIND - 12 KTS

SECURING