

CHECKLIST_FILE_VERSION=2

NORMAL

PRE-ST

BEFORE ENGINE STARTING CHECKLIST

PREFLIGHT CHECK.....COMPLETE

SAFETY HARNESSSES.....FASTENED

CONTROL STICK.....FREE

RUDDER PEDALS.....FREE

CIRCUIT BREAKERS.....CHECK IN

BRAKES.....PEDAL CHECK

AVIONICS SWITCH.....OFF

IGNITION.....OFF

CANOPY.....CLOSED/LATCHED

OR HELD SECURE

*****END_OF_LIST*****

START

ENGINE STARTING CHECKLIST

CIRCUIT BRAKERS..IN OIL PRESSURE..CHECK

SWITCHES.....OFF THROTTLE...2000 RPM

FUEL SELECTOR..LEFT GENERATORS.....ON

CHOKE...AS REQUIRED FUEL PUMP.....OFF

THROTTLE.....IDLE AVIONICS.....ON

AREA.....CLEAR EFIS.....ON

FUEL PUMP.....ON LIGHTS.....AS REQD

STROBESON CHOKE.....IN

MASTER SWITCH...ON TRANSPONDER.....SBY

BRAKES.....HOLD RADIO.....SET

CLEAR PROP.....CALL GPS.....SET

STARTER.....ENGAGE WX TRANSMIT...CHECK

*****END_OF_LIST*****

RUNUP

RUN-UP CHECKLIST / BEFORE TAKE-OFF

OIL TEMP MUST BE ABOVE 122 FOR RUN-UP

BRAKES.....HOLD FUEL QTY...CHECK

AREA.....CLEAR FUEL SELECT..LFT

THROTTLE..3000 RPM CARB HT.....OFF

IGNITION.....CHECK IGNITION....BOTH

CARB HT.....CHECK BELTS.....CHECK

ENGINE INST..CHECK LIGHTS.....ON

THROTTLE.....IDLE XPONDER.....ALT

CONTROLS.....FREE CANOPY....CLOSED

TRIM.....SET FUEL PUMP.....ON

FLAPS.....15 DEG

CHOKE.....FULL IN

*****END_OF_LIST*****

LNDING

BEFORE LANDING CHECKLIST

DOWNWIND

FUEL PUMP.....ON FLAPS....15 DEG

FUEL SELECT.....LEFT SPEED...60 KIAS

CARB HEAT.....AS REQ TRIM.....SET

SPEED...BELOW 70 KIAS POWER..4000 RPM

BASE

FLAPS.....30 DEG FINAL

SPEED.....60 KIAS FLAPS.50 DEG OR A/R

POWER.....IDLE SPEED.....60 KIAS

POWER.....IDLE OR A/R

TOUCHDOWN NOSE UP. STICK BACK ON ROLLOUT

*****END_OF_LIST*****

SHTDWN

AFTER LANDING

FLAPS... (RETRACT)

TRIM....(SET)
LIGHTS..(AS REQ)
XPONDER.(SBY)

SHUT DOWN

THROTTLE.....(IDLE) BEACONS.....(OFF)
AVIONICS.....(OFF) IGNITION.....(OFF)
OTHER ELEC....(OFF) MASTER.....(OFF)
KEY.....OUT

*****END_OF_LIST*****

RADIO

KLHV
KLHV PIPER MEMORIAL LOCK HAVEN PA
DIGIWX.....122.80
UNICOM/CTAF.....122.80
PCL.....122.80
APP/DEP NY CENTER.....134.80
FSS IPT RADIO.....122.65

RWY 27R/9L 3 800 X 100 FEET PAVED
RWY 27L/9R 2 200 X 100 FEET GRASS

TRAFFIC PATTERN ALTITUDE: 1600 MSL
RIGHT TRAFFIC RWYS 27L AND 27R
CAUTION FOR BIRDS ON AND INOV AIRPORT
*****END_OF_LIST*****

KIPT

KIPT WILLIAMSPORT REGIONAL AIRPORT PA

ASOS.....125.22
GROUND.....121.90
TOWER.....119.10
APP/DEP NY CENTER.....124.90
FSS IPT RADIO.....122.65

RWYS 09/27 6825 X 150 FEET
RWYS 12/30 4280 X 150 FEET
RIGHT TRAFFIC RWYS 27 AND 30
SPORT PILOTS MUST HAVE CURRENT CLASS D
AIRSPACE ENDORSEMENT FOR OPERATIONS AT
KIPT OR SURROUNDING CLASS D AIRSPACE
*****END_OF_LIST*****

KUNV

KUNV UNIVERSITY PARK STATE COLLEGE PA

AWOS-3.....127.65
GROUND.....119.62
TOWER.....118.47
NEW YORK CENTER.....134.80
CLNC DELIVERY.....118.55
UNICOM.....122.80

RUNWAYS 06/24 6701 X 150 FEET
RIGHT TRAFFIC RWY 06
*****END_OF_LIST*****

KSEG

KSEG PENN VALLEY SELINGSGROVE PA

ASOS.....123.97
HARRISBURG APP.....118.25
UNICOM/CTAF.....122 70

RUNWAYS 17/35 4760 X 75 FEET

*****END_OF_LIST*****

COMMON

COMMON RADIO FREQUENCIES:

TYPE	FREQ	NOTE/ADDL FREQS
EMERGENCY	121.5	SQUAWK 7700
UNICOM	122.7	122.8/122.95/ 123.0/123.05
FLIGHT SERVICE	122.2	122.1/122.6/ 123.6
FLIGHT WATCH	122.0	
CTAF	122.9	
AIR-TO-AIR	122.75	
AIR-TO-AIR	122.85	(SEARCH/RESCUE)

*****END_OF_LIST*****

AOI

GENERAL

GENERAL INFORMATION N66AV
EVEKTOR SPORTSTAR MAX S/N 2006-0810

THIS AIRPLANE IS CERTIFIED FOR VFR
DAY/NIGHT OPERATIONS. FLIGHT INTO IMC
AND KNOWN ICING PROHIBITED

ENGINE: ROTAX 912ULS S/N 5647224
5800 RPM FOR 5 MIN MAX (100 HP)
5500 RPM MAX CONTINUOUS (92.8 HP)

PROPELLER: WOODCOMP KLASSIC 170/3/R

FUEL 100LL OR 91 OCT UL (NO ETHANOL)

*****END_OF_LIST*****

LIMITS

AIRCRAFT LIMITATIONS N66AV

EMPTY WEIGHT	766.4	LBS
MAX GROSS WEIGHT	1320	LBS
USEFUL LOAD	553.6	LBS
MAX IN BAGGAGE AREA	55	LBS
EMPTY WEIGHT CG	10.66	IN
SERVICE CEILING	13.030	MSL

MANEUVERING LOAD LIMITS +4.0G
-2.0G

INTENTIONAL SPINS AND AEROBATICS
PROHIBITED IN THIS AIRCRAFT

*****END_OF_LIST*****

POWER

POWER SETTINGS N66AV

MAXIMUM POWER (5 MIN): 5800 RPM
MAXIMUM CONTINUOUS POWER: 5500 RPM

SLOWFLT	45%	4000 RPM	3.0 GPH	60 KTS
ECONOMY	55%	4300 RPM	3.7 GPH	77 KTS
LOWCRUZ	65%	4800 RPM	4.9 GPH	89 KTS
NMLCRUZ	75%	5000 RPM	5.4 GPH	93 KTS
MAXCONT	100%	5500 RPM	6.6 GPH	105 KTS
MAXIMUM	105%	5800 RPM	5 MINS	MAXIMUM

*****END_OF_LIST*****

SPEEDS

SPEEDS FOR THIS AIRCRAFT: N66AV

- VSO 37 KIAS (STALLING SPEED FLAPS 50)
- VS1 38 KIAS (STALLING SPEED FLAPS UP)
- VX 56 KIAS (BEST ANGLE OF CLIMB)
- VY 65 KIAS (BEST RATE OF CLIMB)
- VFE 70 KIAS (MAX FLAPS EXTENDED)
- VA 90 KIAS (MANEUVERING SPEED)
- VNO 115 KIAS (MAX STRUCTURAL CRUISE)
- VNE 146 KIAS (NEVER EXCEED SPEED)

*****END_OF_LIST*****

WTBAL
WT/BAL EVEKTOR SPORTSTAR N66AV

STATION	WEIGHT	ARM	MOMENT	MAX
PLANE	766.4	10.66	8169.8	
PILOT		21.45		
PASSENGER		21.45		
FUEL		26.75		187.2
BAGGAGE		42.65		55
GROSS				1320

CG LIMITS: 9.9 - 16.8 INCHES

*****END_OF_LIST*****

EMGNCY
ENGOUT
ENGINE OUT EMERGENCY CHECKLIST

- AIRSPED.....MAINTAIN 57 KIAS
- MASTER SWITCH.....ON
- UNNECESSARY ELEC EQUIP..OFF
- FUEL PUMP.....ON
- FUEL SELECTOR.....SWITCH TANKS
- CHOKE.....AS REQ D
- THROTTLE.....IDLE IF CKOKE OPENED
INCREASED IF CHOKE CLOSED
- IGNITION.....BOTH IF PROP ROTATING
START IF PROP NOT ROTATING
- IF RESTART IS NOT SUCESSFUL CONTINUE TO
EMGNCY LANDING (EMGLND) CHECKLIST

*****END_OF_LIST*****

FIRE
ENGINE FIRE ON GROUND

- FUEL SELECTOR.....OFF
- BRAKES.....APPLY AND HOLD
- THROTTLE.....FULL
- HOT AIR.....OFF
- WHEN ENGINE STOPS:
- IGNITION.....OFF
- MASTER.....OFF

EVACUATE AIRCRAFT
EXTINGUISH FIRE IF POSSIBLE

*****END_OF_LIST*****

FIRE 2
ENGINE FIRE IN FLIGHT

- FUEL SELECTOR.....OFF
- THROTTLE.....FULL
- HOT AIR.....OFF
- DIVE TO EXTINGUISH FIRE + COOL ENGINE
THEN PROCEED TO EMERGENCY LANDING

CHECKLIST (EMGLDG).

FIRE IN COCKPIT

MASTER.....OFF
IDENTIFY + EXTINGUISH FIRE IF POSSIBLE
LAND AS SOON AS POSSIBLE
*****END_OF_LIST*****
SPIN

SPIN RECOVERY EMERGENCY CHECKLIST

THROTTLE.....IDLE
AILERONS.....NEUTRAL
RUDDER OPPOSITE DIRECTION OF ROTATION
ELEVATOR: FORWARD STICK
UNTIL ROTATION STOPS

WHEN ROTATION STOPS NEUTRALIZE RUDDER
AND GENTLY RECOVER FROM DIVE

*****END_OF_LIST*****

EMGLDG
EMERGENCY LANDING

AIRSPPEED.....BEST GLIDE 57 KIAS
TURN TOWARD SELECTED LANDING AREA

LAND INTO WIND IF POSSIBLE
SAFETY HARNESS.....TIGHTEN
DECLARE EMERGENCY WITH ATC OR ON 121.50
XPONDER.....7700
FLAPS...50 DEGREES WHEN LANDING ASSURED
AIRSPPEED.....FIANL APPROACH 60 KIAS
FUEL SELECTOR.....OFF
IGNITION.....OFF
MASTER.....OFF
*****END_OF_LIST*****

MISC
ALPHA

- ICAO ALPHABET:
A - ALPHA N - NOVEMBER
B - BRAVO O - OSCAR
C - CHARLIE P - PAPA
D - DELTA Q - QUEBEC
E - ECHO R - ROMEO
F - FOXTROT S - SIERRA
G - GOLF T - TANGO
H - HOTEL U - UNIFORM
I - INDIA V - VICTOR
J - JULIET W - WHISKEY
K - KILO X - X-RAY
L - LIMA Y - YANKEE
M - MIKE Z - ZULU

*****END_OF_LIST*****

LIGHTS
AVIATION LIGHT GUN SIGNALS:

Table with 3 columns: TYPE/COLOR, AIRCRAFT ON GROUND, AIRCRAFT IN FLIGHT. Rows include: STDY GREEN CLR 2 TAKEOFF CLR 2 LAND, FLSH GREEN CLR 2 TAXI RTRN 2 LAND, STDY RED STOP YIELD/CONTNUE, FLSH RED TAXI OFF RNWY AIRPRT UNSAFE (ITS IN USE) (DO NOT LAND)

FLSH WHITE RETURN TO N/A
STARTING POINT
ALT RD/GRN EXTRM CAUTION EXTRM CAUTION

*****END_OF_LIST*****

TMZONS
FOR COORINATED UNIVERSAL TIME - ADD TO:

ATLANTIC STANDARD: +4 HOURS
EASTERN STANDARD: +5 HOURS
CENTRAL STANDARD: +6 HOURS
MOUNTAIN STANDARD: +7 HOURS
PACIFIC STANDARD: +8 HOURS

ATLANTIC DAYLIGHT: +5 HOURS
EASTERN DAYLIGHT: +4 HOURS
CENTRAL DAYLIGHT: +5 HOURS
MOUNTAIN DAYLIGHT: +6 HOURS
PACIFIC DAYLIGHT: +7 HOURS

*****END_OF_LIST*****

FLTPLN
FLIGHT PLAN SEQUENCE

TYPE OF PLAN	EST TIME EN ROUTE
AIRCRAFT IDENT	REMARKS
TYPE/SPECIAL EQUIP	FUEL HRS/MINS
EST TRUE AIRSPEED	ALTERNATE AIRPORT
DEPARTURE POINT	PILOT NAME/ADDRESS
DEPART TIME (ZULU)	SOULS ONBOARD
INITIAL CRUISE ALT	COLOR OF AIRCRAFT
ROUTE OF FLIGHT	DESTINATION CONTCT
DESTINATION	

*****END_OF_LIST*****

OWNER
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*****END_OF_LIST*****