

2126Y PA 44 Seminole Checklist

BEFORE START

Preflight.....Complete
 Passenger Briefing.....Complete
 Seats.....Adjusted
 Seatbelts.....Fasten
 Circuit Breakers.....In
 Avionics.....Off
 Fuel Selectors.....On
 Trim.....Set
 Cowl Flaps.....Open
 Primers.....Locked
 Carb Heat.....Off
 Gear Lever.....Down
 Master.....On
 Alternators.....On
 Nav Lights.....Night Only
 Strobes.....On

STARTING ENGINES

Electric Fuel Pumps.....All on
 Magnetos.....All on
 Mixture.....Full Rich
 Props.....Full Forward
 Throttles.....¼ inch open
 PrimeAs needed; locked
 Prop Area.....Clear
 Starter.....Engage
 Throttle.....1000 RPM
 Oil Pressure.....Check
 Mixture.....Lean for Taxi
 Gyro Suction.....Check
 -Repeat checklist for 2nd Engine-

BEFORE TAXIING

Avionics Master.....On
 Avionics.....SET
 Wing Flaps.....UP
 Aux Fuel Pumps.....OFF, Then On
 (Check Fuel Pressure)
 Lights.....AS REQUIRED
 Weather.....Obtain
 Altimeter.....SET
 Cabin Air.....AS REQUIRED

TAXIING

Throttles.....AS REQUIRED
 Brakes.....CHECK
 Flight Instruments.....CHECK

BEFORE TAKEOFF

Brakes.....HOLD
 Radios.....SET
 Flight Instruments.....CHECK AND SET
 FUEL.....STATE QUANTITY
 Mixtures.....Full Forward
 Props.....Full Forward
 Throttles.....1500 RPM
 Prop Controls.....Check Feathering
 (500 RPM Max Drop)
 Throttles.....2000 RPM
 Props – EXERCISE ... (200-300 RPM drop)
 (3 times when cold)
 Prop Controls.....FULL FWD
 Carb Heat.....Check
 Magnetos.....Check (<175/50)
 Alternator Output.....Check
 Gyro Suction.....Check 4.8 to 5.2
 Engine Instruments.....Check
 Throttles.....1000 RPM
 Flight Controls.....Free and Correct
 Fuel Selectors.....On
 Cowl Flaps.....Open
 Primers.....Locked
 Carb Heat.....Off
 Quadrant Friction.....Set
 Mixtures.....Set
 Props.....Full
 Annunciator Panel.....Test
 HSI.....Set
 Autopilot.....Check
 Trim.....Set
 Fuel Pumps.....On
 Landing Light.....On
 Seatbelts.....Secure
 Door.....Latched
 Window.....Closed

EMERGENCY BRIEF

On the Runway
 After Liftoff, Runway Remaining
 No runway remaining, Below TPA
 Above TPA

TAKEOFF

Flaps.....Up
 Mixtures..... SET for field elevation
 Throttle.....FULL 2700 RPM
 Engine Inst.....Check
 Rotate.....75 KIAS

AFTER TAKEOFF

After Positive Rate of Climb:
 Brakes.....Apply Momentarily
 Landing Gear.....Retract
 Red Gear Unsafe Lt... OFF
 Best Angle Climb82 KIAS
 Best Rate Climb.....88 KIAS

CRUISE CLIMB

Power.....2500 RPM & 25"MP
 Airspeed.....90 to 105 KIAS
 Mixtures.....Adjust as needed
 Cowl Flaps.....AS REQUIRED
 Heading Ind.....Compass

CRUISE

Cruise Power - 20" to 23" MP & 2300RPM
 Prop RPM.....SET
 Mixtures.....AS REQUIRED
 Cowl Flaps.....AS REQUIRED
 Trim Tabs.....ADJUST
 Aux Fuel Pumps.....OFF
 FUEL.....STATE QUANTITY

PRE-MANEUVER

Aux Fuel Pumps.....On
 Fuel Selectors.....On
 FUEL.....STATE QUANTITY
 Lights.....On
 Mixtures.....Rich
 Area.....Clear
 Power and RPM.....Set

DESCENT

Mixtures.....Adjust with Descent
 Throttles.....Adjust for Descent
 Cowl Flaps Close if full stop or prolonged descent

BEFORE LANDING

GAS (Fuel Selectors & Aux Pumps.....On
PF - UndercarriageDown <140 KIAS
- 3 Green 1 in the Mirror
- No gear warning horn
PM-Verify
 Mixtures.....Gradually Full Rich
 Propellers.....Sync and Full FWD (FINAL)
 Seat Belts.....SECURE
 Switches.....Lights On
 Flaps - as required.....below 111kts
 Final Approach Speed.....75 KIAS

Short Final.....Verify Gear Down

Revision 4-14-2021

GO AROUND

Power.....FULL & 2700 RPM
 Wing Flaps.....Up to 10°
 (when clear of obstacles & Positive Rate)
 Landing Gear.....Retract
 (Positive Rate)
 Pitch for Blue Line
 Wing Flaps.....Up to 0°
 Cowl Flaps.....As Required
 Carb Heat.....OFF

AFTER LANDING

Radio.....SET
 Flaps.....UP
 Lights.....As Required
 Cowl Flaps.....OPEN
 Carb Heat.....OFF
 Mixture.....LEAN FOR TAXI

SHUT DOWN

Transponder.....VFR
 Avionics Master.....OFF
 All Lights.....OFF
 Aux Pumps.....ALL OFF
 Throttles.....IDLE
 Props.....HIGH RPM
 Mixtures.....IDLE CUT OFF
 Magneto Switches.....ALL OFF
 (after engine stops)
 Batt and Alternators.....ALL OFF
 HOBBS/TACH TIME.....RECORD
 Control Lock.....INSTALL
 Cabin Door.....CLOSE/LOCK

V Speeds:

Vr - 75 KIAS	
Vx - 82 KIAS	Vxse - 82 KIAS
Vy - 88 KIAS	Vyse - 88 KIAS
Vso - 55 KIAS	Vs1 - 57 KIAS
Vmc - 56 KIAS	Vsse - 82 KIAS
Va - 112 (2700 lbs)	Va - 135 (Max gross)
Vle - 140 KIAS	Vlr - 109 KIAS
Vno - 169 KIAS	Vne - 202 KIAS



Revision 1-28-2021

ENGINE FIRE ON GROUND
<i>(Engine not started)</i>
Mixture..... CUTOFF
Throttle..... FULL OPEN
STARTERKEEP ENGAGED
CONTINUE TO CRANK ENGINE
<i>(ENGINE HAS JUST STARTED)</i>
CONTINUE RUNNING TO PULL FIRE INTO ENGINE
<i>(IF FIRE CONTINUES)</i>
FUEL SELECTORS..... OFF
FUEL PUMPS..... OFF
MIXTURES..... CUTOFF
THROTTLES..... FULL OPEN
MASTER SWITCH..... OFF
FIRE EXTINGUISHER USE IF PRACTICAL
EVACUATE AIRCRAFT
EMERGENCY EVACUATE
MIXTURES CUTOFF
FUEL SELECTORS..... OFF
FUEL PUMPS..... OFF
MASTER SWITCH..... OFF
PARKING BRAKE..... SET
EXIT MAIN DOOR OR EMERGENCY EXIT
EMERGENCY EXIT
PLASTIC COVER..... REMOVE
EMG EXIT HANDLE..... PULL FWD
WINDOW..... PUSH OUT
ENGINE FIRE IN FLIGHT
AFFECTED ENG FUEL SELECTOR..... OFF
AFFECTED ENG THROTTLE..... CLOSE
AFFECTED ENG PROP..... FEATHER
AFFECTED ENG MIXTURE..... CUTOFF
AFFECTED ENG COWL FLAPS..... OPEN
<i>PERFORM ENGINE FAILURE SECURE CHECKLIST</i>
IF FIRE PERSISTS:
AIRSPEED INCREASE UP TO 202 KIAS
LAND ASAP AT NEAREST SUITABLE AIRPORT

ELECTRICAL FIRE
MASTER SWITCH..... OFF
ALTERNATORS OFF
ALL ELECTRICAL SWITCHES OFF
AVIONICS MASTER..... OFF
VENTS (AVOIDS DRAFTS)..... OFF
CABIN HEAT..... OFF
LAND AS SOON AS PRACTICAL
<i>Extinguish with fire extinguisher if practical. Refer to POH for complete electrical fire checklist procedure</i>
IN-FLIGHT ENGINE FAILURE
MAINTAIN DIRECTIONAL CONTROL / PITCH ATTITUDE / AIRSPEED
MIXTURES FULL FWD
PROPS FULL FWD
THROTTLES FULL FWD
FLAPS UP
GEAR UP
IDENTIFY DEAD FOOT
VERIFY/THROTTLE CLOSE
<i>Troubleshoot:</i>
INOP THROTTLE OPEN 1"
FUEL PUMPS ON
MAGNETOS ON/CHECK
FUEL SELECTORS ON
PRIMERS LOCKED
CARB HEAT ON, CHECK, OFF
FUEL QTY/PRESSURE CHECK
OIL PRESSURE/TEMP CHECK
<i>If engine inop, continue Engine Failure Secure Checklist</i>
ENGINE FAILURE SECURE
INOP ENG PROP FEATHER
INOP ENG MIXTURE CUTOFF
OP ENG MIXTURE LEAN AS REQ
TRIM AS REQ
INOP ENG MAGNETOS OFF
INOP ENG FUEL PUMP OFF
INOP ENG ALTERNATOR OFF
INOP ENG FUEL SELECTOR OFF
INOP ENG COWL FLAP CLOSED
FRESH AIR FAN OFF

AIRSTART
INOP ENG FUEL SELECTOR ON
INOP ENG CARB HEAT OFF
INOP ENG MIXTURE FULL FWD
INOP ENG PROP FULL FWD
INOP ENG FUEL PUMP ON
INOP ENG ALTERNATOR ON
INOP ENG MAGNETOS ON
INOP ENG THROTTLE ..2 FULL STROKES
INOP ENG THROTTLE1/8" OPEN
INOP ENG STARTER (8 sec max) ENGAGE
<i>PROP WINDMILLING</i>
INOP ENG STARTER RELEASE
<i>WHEN ENGINE BEGINS TO RUN</i>
THROTTLE..... SLOWLY TO 15" MP
MAINTAIN 15" MP UNTIL CHT GREEN
<i>PERFORM CRUISE CHECKLIST</i>
PROP OVERSPEED
THROTTLE RETARD
OIL PRESSURE CHECK
PROP CONTROL DECREASE
<i>Do not feather. Set RPM if any control.</i>
AIRSPED REDUCE
THROTTLE (below 2700 RPM) AS REQ
ENG SHUTDOWN IF NECESSARY
IN-FLIGHT ENGINE FAILURE APPROACH
MIXTURES FULL FWD
PROPS FULL FWD
THROTTLES FULL FWD
FLAPSEVALUATE
GEAREVALUATE
IDENTIFY DEAD FOOT
VERIFY/THROTTLE..... CLOSE
INOP ENG PROP FEATHER
INOP ENG MIXTURE CUTOFF
<i>On Short Final: "Gear Down-3 Green, 1 in the Mirror"</i>

UNSAFE GEAR / MANUAL EXTENSION
NAV LIGHTS CHECK OFF
CIRCUIT BREAKERS CHECK
MASTER SWITCH CHECK ON
AMMETERS CHECK
AIRSPED 100 KIAS MAX
GEAR SELECTOR DOWN
EMER. EXTENSION KNOB PULL
INDICATOR LIGHTS CHECK 3 GREEN
LEAVE EMER. KNOB OUT CHECK
IF 3 GREEN NOT INDICATED... YAW AIRCRAFT and APPLY G-LOAD
<i>Refer to POH for amplified.</i>
EMERGENCY DESCENT
THROTTLES CLOSED
PROPS FULL FWD
MIXTURES ADJUST
GEAR Down Below 140 KIAS
COWL FLAPS CLOSED
MAINTAIN 120-140 KIAS
NOTIFY ATC ASAP
<i>RECOVERY</i>
THROTTLES CRUISE
GEAR Up (Below 109 KIAS)
PROPS CRUISE
MIXTURES ADJUST
COWL FLAPS AS REQUIRED



KADS	
ATIS (972-628-2439)	133.4
Ground	121.6
Tower (972-628-2420)	126.0
Approach (972-615-2500)	124.3/124.25
Atlantic (972-713-7000) :	122.85