

NORMAL PROCEDURES

TECNAM P2008 JC

SP-KAR

SP-KAS

SP-KAC

PREFLIGHT

1. Aircraft Documents.....ON BOARD
2. Weight and balanceCALCULATE
3. Safety beltsCHECK
4. IgnitionOFF
5. Master switch.....ON
6. VoltmeterCHECK
7. Fuel levelCHECK
8. Flaps.....LANDING
9. Fuel selectorLEFT OR RIGHT
10. Master switchOFF
11. First Aid Kit.....CHECK
12. Fire extinguisher.....CHECK
13. ELTCHECK
14. Starter – Circuit Breaker.....OUT
15. BaggageSTOWED & SECURED

EXTERIOR INSPECTION

1. Fuel drain.....PERFORM

LEFT WING

1. Leading edge and skinVISUAL CHECK
2. Pitot tube.....CLEAN
3. Strobe light.....VISUAL CHECK
4. Tank vent line, aileronCHECK
5. Flap.....CHECK
6. Fuel capCHECK
7. Left Main Landing Gear.....CHECK

TAIL

1. Antennas.....VISUAL CHECK
2. Stabilator, tab.....CHECK
3. Vertical tail, rudderCHECK

RIGHT WING

1. Fuel capCHECK
2. Right Main Landing GearCHECK
3. Flap.....CHECK
4. Aileron, tank vent line.....CHECK
5. Strobe light.....VISUAL CHECK
6. Leading edge and skinVISUAL CHECK
7. Stall indicatorCHECK

NOSE

1. Right static portCHECK
2. Nose GearVISUAL CHECK
3. Landing/Taxi lightsVISUAL CHECK
4. PropellerCLEARANCE MIN 30 CM
5. Propeller BladesCHECK
6. SpinnerVISUAL CHECK
7. Air IntakesCLEAR
8. Left cowlingOPEN
9. Left cowlingVISUAL CHECK
10. Coolant level in expansion tankVERIFY
11. Coolant level in the overflow bottleVERIFY
12. Left cowling.....CLOSED
13. Right cowling.....OPEN
14. Right cowling.....VISUAL CHECK
15. Oil tank.....OPEN
16. PropellerROTATE
17. OilCHECK LEVEL
18. Oil tank.....CLOSE
19. CowlingsCLOSE
20. Tow bar and chocksREMOVE
21. Left static portCHECK
22. Windshield, windowsVISUAL CHECK
23. One more 360°PERFORM

BEFORE STARTING ENGINE

1. Seat, safety belts FASTENED & ADJUSTED
2. Parking BrakeON
3. Passenger briefing.....COMPLETED
3. Flight ControlsFREE & CORRECT
4. Throttle Friction.....CHECK
5. Circuit BreakersALL IN
6. Fuel SelectorLEFT
7. Master switchON
8. Engine PageSELECT
9. Doors.....CLOSED

ENGINE START

1. ThrottleIDLE
2. Strobe/NAV LightsON
3. Fuel PumpON
4. BrakesHOLD
5. ChokeAS REQUIRED
5. Propeller AreaCLEAR
6. StarterENGAGE (MAX 10 SEC)
7. Throttle1000 - 1200 RPM
8. Oil Pressure.....CHECK
9. Generator switchON
10. VoltmeterCHECK >14V
11. Engine instruments.....CHECK
12. Choke.....OFF
13. Throttle1000-1200 RPM
14. Fuel PumpOFF
15. Fuel PressureCHECK

AFTER STARTING ENGINE

1. Cabin Heat and DefrostAS REQUIRED
2. FlapsSET FOR TAKE-OFF
3. Avionic MasterON
4. Radios/NAV/GPSSET
5. AltimetersSET
6. STBY Instr Batt > 80%.....CHECK

TAXI

1. Off-block timeNOTICE
2. Taxi light.....ON
3. Parking Brake.....OFF
4. BrakesCHECK
5. Flight InstrumentsCHECK

RUN UP POSITION

1. Parking BrakeON
2. Taxi light.....OFF
3. Choke.....OFF
4. Engine parametersCHECK
5. Caution/WarningsOFF
6. Day/night Switch.....CHECK
7. Fuel tankLEFT
8. Fuel pressureCHECK
9. Throttle1640 RPM SET
10. Magnetos.....CHECK (DROP 130 DIFF±50)
11. Carburetor heatON/OFF (100 RPM DROP)
12. ThrottleIDLE
13. Throttle1000 RPM
14. Departure BriefingCOMPLETED

LINE UP

CHECK LISTS MARKED WITH THE THICK VERTICAL LINE ON THE LEFT SHOULD BE MEMORIZED
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LINE UP

1. DoorsCLOSED & LOCKED
2. Fuel PumpON
3. Pitch trim.....CHECK/NEUTRAL
4. Carburetor heatON,CHECK DROP,OFF
5. Parking BrakeOFF
6. Transponder.....ALT
7. Flaps.....T/O
8. Taxi/Landing LightsON
9. Carburetor heat.....OFF

TAKE-OFF

1. Throttle2100±100 RPM
2. Engine InstrumentsCHECK
3. Rotation48 KIAS
4. Climb speed65 KIAS

CLIMB

1. Landing/Taxi Light.....OFF
2. FlapsUP
3. Throttle2100 RPM
4. Fuel PumpOFF
5. Fuel Pressure.....CHECK
6. Climb speed70 KIAS

CRUISE

1. Cruise PowerSET - 2000 RPM
2. Engine instrumentsCHECK
3. Carburetor heatAS REQUIRED
4. Fuel ConsumptionCHECK

FINAL

1. Fuel PumpON
2. Carburetor heat.....OFF
3. Flaps.....LDG
4. Landing/Taxi Light.....ON
5. Approach Speed65 KIAS

GO AROUND

1. Throttle.....FULL
2. Flaps.....T/O
3. Airspeed.....65 KIAS

RUNWAY VACATED

1. Fuel PumpOFF
2. Transponder.....STBY
3. Flaps.....UP
4. Landing LightOFF

SHUT DOWN POSITION

1. Parking BrakeON
2. Taxi lightOFF
3. Engine/cooling1000 RPM/1 MINUTE
4. Radios/NAV/GPSOFF
5. Avionics Master.....OFF
6. Generator switch.....OFF
8. Throttle.....IDLE
9. Ignition-slowly1-2-OFF
10. Key.....REMOVE
11. LightsOFF
12. Master switchOFF
13. Fuel Selector.....OFF
14. Starter – Circuit Breaker.....OUT

EMERGENCY PROCEDURES

TECNAM PC2008JC

SP-KAR SP-KAS SP-KAC

ENGINE FAILURE DURING TAKE-OFF

1. Throttle.....IDLE
2. Brakes AS REQUIRED
3. Rudder MAINTAIN DIRECTION
4. Fuel Selector..... OFF
5. Fuel Pump OFF
6. Ignition OFF
7. Cabin Heat..... OFF
8. Alternator, Master Switch OFF
9. Parking Brake ON
10. Evacuation PERFORM

ENGINE FAILURE AFTER TAKE-OFF

INSUFFICIENT ENGINE POWER

1. Airspeed.....70 KIAS
2. Place to land FIND
3. Flaps..... AS REQUIRED

SHORTLY BEFORE LANDING

1. Throttle.....IDLE
2. Ignition OFF
3. Fuel Selector..... OFF
4. Fuel Pump OFF
5. Alternator, Master Switch OFF

ENGINE FAILURE DURING FLIGHT

FUEL PRESS <2.2/FP LOW – ON

1. Fuel Pump ON
2. Fuel Selector..... SET FOR OPPOSITE
3. Fuel Quantity..... CHECK

NO CHANGE

1. Land..... ASAP

ENGINE RESTART DURING FLIGHT

1. Carburetor heat..... AS REQUIRED
2. Fuel Pump ON
3. Fuel Quantity..... CHECK
4. Fuel Selector..... SET FOR OPPOSITE
5. Ignition ON
6. Throttle.....SET

IN CASE OF UNSUCCESSFUL

1. Engine SECURE
2. Land..... ASAP

ENGINE SECURING

1. Throttle.....IDLE
2. Ignition OFF
3. Fuel Selector..... OFF
4. Fuel Pump OFF
5. Generator Switch OFF

FORCED LANDING

1. Airspeed.....71 KIAS
2. Place to land FIND
3. Flaps..... AS REQUIRED

SHORTLY BEFORE LANDING

1. Throttle.....IDLE
2. Ignition OFF
3. Fuel Selector..... OFF
4. Fuel Pump OFF
5. Alternator, Master Switch OFF

GLIDING

1. Flaps UP
2. Airspeed 71 KIAS
3. Glide ratio 12,8

ENGINE FIRE DURING FLIGHT

1. Cabin Heat OFF
2. Fuel Selector OFF
3. Fuel Pump OFF
4. Throttle..... FULL FORWARD
5. Ignition..... OFF
6. Cabin Vents..... OPEN
7. Land.....ASAP

ENGINE FIRE ON THE GROUND

1. Fuel Selector OFF
2. Fuel Pump OFF
3. Ignition..... OFF
4. Throttle..... FULL FORWARD
5. Cabin Heat OFF
6. Alternator, Master Switch..... OFF
7. Parking Brake ON
8. Evacuation..... PERFORM

CABIN FIRE/ELECTRICAL SMOKE IN CABIN DURING FLIGHT

1. Cabin Heat OFF
2. Cabin Vents..... OPEN
3. Fire Extinguisher..... USE

IF SMOKE PERSISTS

1. Alternator, Master Switch..... OFF
2. LandASAP

CABIN FIRE/ELECTRICAL SMOKE IN CABIN ON THE GROUND

1. Generator Switch..... OFF
2. Throttle..... IDLE
3. Ignition..... OFF
4. Fuel Selector OFF
5. Master Switch..... OFF
6. Evacuation..... PERFORM

EVACUATION

1. Parking Brake ON
2. Seat Belts UNSTRAP
3. Headphones REMOVE
4. Doors..... OPEN
5. Escape away PERFORM

RECOVERY FROM UNINTENTIONAL SPIN

1. Throttle IDLE
2. Rudder OPPOSITE DIRECTION
3. Stick NEUTRAL

AT THE SPIN STOPS

1. Rudder NEUTRAL
2. Stick SMOOTHLY PULL
3. Throttle SET

CHECK LISTS MARKED WITH THE THICK VERTICAL LINE ON THE LEFT SHOULD BE MEMORIZED
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TRIM RUNAWAY

1. Trim Cutout Switch..... OFF
2. Airspeed.....ADJUST
2. Land..... ASAP

TRIM JAMMING

1. Breaker IN
2. LH/RH Trim switch CHECK POSITION

IF JAMMING PERSISTS

1. Trim Cutout Switch..... ON
2. Airspeed.....ADJUST
3. Land..... ASAP

FLAPS FAILURE

1. Approach speed64 KIAS
2. Landing length INCREASED 35%

ALTOUT CAUTION IS ON

1. Breaker CHECK IN
2. Generator Switch OFF/1 SEC/ON

NO CHANGE

1. Generator Switch OFF
2. Electrical LoadREDUCE
3. Land..... ASAP

PITOT HEAT CAUTION IS ON

1. Pitot Heat Switch..... OFF
2. Breaker CHECK IN
3. Pitot Heat Switch..... ON

NO CHANGE

1. Visible Moisture ConditionsAVOID

OP LOW WARNING IS ON / OIL PRESS<12 PSI

1. Throttle.....REDUCE
2. Land..... ASAP

HIGH OIL TEMPERATURE

1. Throttle.....REDUCE
2. Airspeed.....INCREASE

NO CHANGE

1. Land..... ASAP

CHT/CT LIMIT EXCEEDANCE

1. Throttle.....REDUCE
2. Land..... ASAP

AIRSPEED FOR SAFE OPERATION

- Rotation Speed (V_R) FLAP T/O.....48 KIAS
Best Rate-of-Climb (V_Y) FLAP UP.....71 KIAS
Best Angle-of-Climb (V_X) FLAP UP.....65 KIAS
Max Flaps Extended (V_{FE}).....71 KIAS
Approach Speed FLAP LDG.....65 KIAS
Touch Down Speed FLAP LDG.....54 KIAS
Best Glide Angle Speed.....71 KIAS
Maneuvering Speed (V_A).....99 KIAS
Never Exceed Speed (V_{NE}).....145 KIAS
Max Demo Crosswind.....15 KIAS