

TECNAM SIERRA P2002 ZK-TST AIRCRAFT CHECKLIST

STARTING THE ENGINE

1. PARK BRAKE ON AND LOCKED.
2. SEAT BELTS ON.
3. SEATS ADJUSTED AND LOCKED.
4. CANOPY CLOSED AND SECURE.
5. PLB WITHIN REACH.
6. **BOTH FUEL COCKS ON. (VERTICAL.) DO NOT USE FUEL PUMP TO START.**
7. ALL SWITCHES OFF AND AVIONICS OFF.
8. THROTTLE CLOSED.
9. CHOKE AS REQUIRED.
10. MASTER SWITCH ON.
11. IGNITION SWITCHES ON.
12. FLAPS UP.
13. HOBBS RECORDED.
14. CHECK CLEAR BEHIND.
15. START ENGINE.

AFTER START

1. CHOKE EASE OFF.
2. SET IDLE 2200 RPM.
3. OIL PRESS CHECK RISING. (MIN 0.8 MAX 5.)
4. ENSURE FUEL PUMP OFF.
5. STROBE ON.
6. NAV LIGHTS ON.
7. ALTERNATOR CHARGING.
8. RADIO ON.
9. TRANSPONDER TO STANDBY. (1200)
10. COPY ATIS. (119.8 NZWR)
11. SET QNH ON ALTIMETER.
12. SET D.I.
13. GPS-ON.
14. TUNE GROUND FREQ (118.6 NZWR.)

TAXI CHECKS

1. CHECK BRAKES LEFT AND RIGHT.
2. CHECK TURN AND SLIP INDICATOR.
3. CHECK COMPASS OPERATION.
4. CHECK DI OPERATION.

RUN UP

1. PARK INTO WIND.
2. PARK BRAKE ON AND LOCKED. MONITOR SLIPPAGE.
3. SET IDLE 2200RPM.
4. CYLINDER HEAD TEMP-60+ RISING.
5. SET 4000 RPM.
6. CHECK IGNITION – LEFT / RIGHT / BOTH.
MAX DROP 300 RPM/MAG
MAX BETWEEN 50 RPM.
7. OIL TEMP AND PRESS IN GREEN.
8. SUCTION IN GREEN.
9. FUEL PRESSURE-MIN 0.15 BAR, MAX 0.40 BAR.
10. AMMETER – CHARGING.
11. CHECK SLOW IDLE 1500RPM.
12. SET 2200 RPM.
13. RELEASE PARK BRAKE TO TAXI.

PRE-TAKE OFF

1. PARK BRAKE ON.
2. TRIM SET FOR TAKE OFF & SELECT LEFT.
3. CHOKE OFF.
4. FUEL PUMP-ON.
5. **BOTH FUEL COCKS ON AND FUEL SUFFICIENT.(VERTICAL.)**
6. FLAPS SELECT TAKE OFF.
7. FRICTION NUT FIRM.
8. INSTRUMENTS - CHECK ALL INSTRUMENTS LEFT TO RIGHT.
9. IGNITION SWITCHES- BOTH ON.
10. CIRCUIT BREAKERS ALL IN.
11. CONTROLS FULL AND FREE.
12. CANOPY AND HARNESSES SECURE.
13. TRANSPONDER TO ALT. (1200.)
14. GPS-SET AND CHECK.
15. **SPIDERTRACKS UNIT ON AND SATELLITE ACQUIRED.**
16. LANDING LIGHT ON.
17. PARK BRAKE OFF FOR TAXI.
18. LOOK OUT BEFORE ENTERING RUNWAY.
19. MAKE RADIO CALL.
20. ON RWY CHECK COMPASS/DI HEADING WITH RUNWAY HEADING. CHECK WINDSOCK.

AFTER TAKEOFF

1. CLIMB OUT 70KTS.
2. **B**RAKES OFF.
3. **U**NDERCARRIAGE UP.
4. **T**HROTTLE SET.
5. **F**UEL ON.
6. FUEL PUMP OFF.
7. **F**LAPS UP BEFORE 70 KTS.
8. AT 600 FEET LANDING LIGHT OFF.

DOWNWIND BEFORE LANDING

1. **B**RAKES OFF.
2. **U**NDERCARRIAGE DOWN
3. **T**HROTTLE SET
4. **F**UEL AND FUEL PUMP ON.
5. **F**LAPS AS REQUIRED -15 DEGREES BELOW 70KTS.
6. RADIO CALL DOWNWIND AND FINAL.

AFTER LANDING

1. EXIT RUNWAY AND MAKE RADIO CALL.
2. SET IDLE 2200 RPM.
3. FUEL PUMP-OFF.
4. **SPIDERTRACKS-PRESS MIDDLE BLUE BUTTON-TURN SPIDERWATCH OFF.**
5. FLAPS – UP AND IDENTIFIED.
6. TRIM NEUTRAL.
7. TRANSPONDER TO STANDBY.
8. LANDING LIGHT/NAV LIGHT OFF.

SHUTDOWN

1. SET IDLE 2200 RPM.
2. PARK BRAKE ON.
3. MAGS CHECKED.
4. **SPIDERTRACKS BLUE LIGHT STOPPED FLASHING.**
5. RADIO AND TRANSPONDER OFF.
6. GPS-OFF.
7. THROTTLE CLOSED.
8. IGNITION SWITCHES OFF. LEFT-PAUSE-RIGHT-PAUSE-OFF.
9. MASTER SWITCH OFF.
10. STROBE LIGHT OFF.
11. LEAVE FUEL COCKS **ON**. HANG KEY ON DI. COMPLETE LOG.

TECNAM SIERRA P2002 PREFLIGHT INTERIOR INSPECTION

1. CHECK AIRCRAFT DOCUMENTS. FLIGHT MANUAL IN PLACE AND RELEASE TO SERVICE. CHECK DEFECT LIST IN HANGAR AND UNSERVICABLE PLACARDS.
2. PARK BRAKE ON.
3. **BOTH FUEL COCKS ON. (FUEL COCKS VERTICAL.)**
4. LIFEJACKETS-ON.
5. FIRE EXTINGUISHER AND FIRST AID KIT IN PLACE.
6. LANDING LIGHT – OFF.
7. STROBE LIGHT – OFF
8. NAV LIGHT – OFF.
9. IGNITION SWITCHES - OFF
10. RADIO-OFF.
11. TRANSPONDER-OFF.
12. GPS-OFF.
13. MASTER SWITCH – ON.
14. CHECK GENERATOR LIGHT ILLUMINATED.
15. FUEL QUANTITY INDICATORS – CHECK.
16. FLAPS - EXTEND FULLY.
17. CHECK ELECTRIC TRIM OPERATIONAL. LEFT AND RIGHT.
18. AIRCRAFT LIGHTS - CHECK OPERATION.
19. CHECK ELECTRIC FUEL PUMP OPERATIONAL.
20. CHECK SPIDETRACKS UNIT OPERATIONAL.
21. MASTER SWITCH – OFF.
22. COMPLETE OUTSIDE CHECK.

TECNAM SIERRA P2002 PREFLIGHT EXTERIOR INSPECTION

1. LEFT FUEL FILLER CAP-CHECK FUEL LEVEL AND SECURE.
2. REMOVE PROTECTION CAP FROM PITOT TUBE AND CHECK FOR OBSTRUCTIONS.
3. LEFT SIDE LEADING EDGE AND WING SKIN-VISUAL INSPECTION.
4. LEFTAILERON-VISUAL INSPECTION.
5. LEFT TANK VENT-CHECK FOR OBSTRUCTIONS.
6. LEFT FLAP AND HINGES-VISUAL INSPECTION.
7. LEFT MAIN LANDING GEAR.-CHECK INFLATION 14 PSI, TYRE CONDITION, ALIGNMENT, FUSELAGE SKIN CONDITION.
8. HORIZONTAL TAIL AND TAB-VISUAL INSPECTION.
9. VERTICAL TAIL AND RUDDER-VISUAL INSPECTION.
10. RIGHT MAIN LANDING GEAR.-CHECK INFLATION 14 PSI, TYRE CONDITION, ALIGNMENT, FUSELAGE SKIN CONDITION.
11. RIGHT FLAP AND HINGES-VISUAL INSPECTION.
12. RIGHTAILERON-VISUAL INSPECTION.
13. RIGHT TANK VENT-CHECK FOR OBSTRUCTIONS.
14. RIGHT SIDE LEADING EDGE AND WING SKIN-VISUAL INSPECTION.
15. RIGHT FUEL FILLER CAP-CHECK FUEL LEVEL AND SECURE.
16. NOSE WHEEL STRUT AND TYRE-CHECK INFLATION 11PSI, TYRE CONDITION AND CONDITION OF RUBBER SHOCK ABSORBER DISKS.
17. PROPELLOR AND SPINNER CONDITION-CHECK FOR NICKS AND SECURITY.
18. OPEN ENGINE COWLING AND CHECK THE FOLLOWING:
19. CHECK NO FOREIGN OBJECTS PRESENT, CHECK COOLING CIRCUIT FOR LOSSES, CHECK COOLANT RESERVOIR LEVEL, INSURE RADIATOR HONEYCOMB IS UNOBSTRUCTED. CHECK OIL LEVEL AND OIL COOLER UNOBSTRUCTED. CHECK PLUG LEADS ON. CHECK ALL PARTS IN ENGINE BAY SECURE. CHECK NO WIRES OFF.
20. DRAIN AND TEST FUEL

TECNAM SIERRA P2002 HANDY INFO

- STALL SPEED - ZERO FLAP-40KTS.
- STALL SPEED - STAGE 15 DEGREES FLAP-37KTS.
- STALL SPEED – STAGE 40 DEGREES FLAP – 35KTS.
- TAKE OFF SAFETY SPEED 52 KTS.
- LANDING APPROACH SPEED – FULL FLAP-52KTS.
- MAXIMUM CROSSWIND COMPONENT – 15KTS.
- BEST RATE OF GLIDE SPEED – 65KTS
- TYRE PRESSURE 14 PSI IN REAR TYRES. 11 IN FRONT TYRE.
- VNE-NEVER EXCEED SPEED – 154KTS.
- VA-MANOUVERING SPEED- 91 KTS.
- VFE-MAXIMUM FLAPS EXTENDED SPEED – 70KTS.
- MAXIMUM TAKE OFF AND LANDING WEIGHT 544KG
- TOTAL FUEL. TWO WING TANKS 50 LITRES EACH. TOTAL 100 LITRES.
- FUEL BURN 20 LITRES PER HOUR.
- FUEL GRADE 96 MO GAS. DO NOT USE AVGAS EXCEPT IN EMERGENCY.
- CRUISE AT 4800RPM-5000RPM. IDLE AT 2200RPM. IDLE AT 2200RPM.