



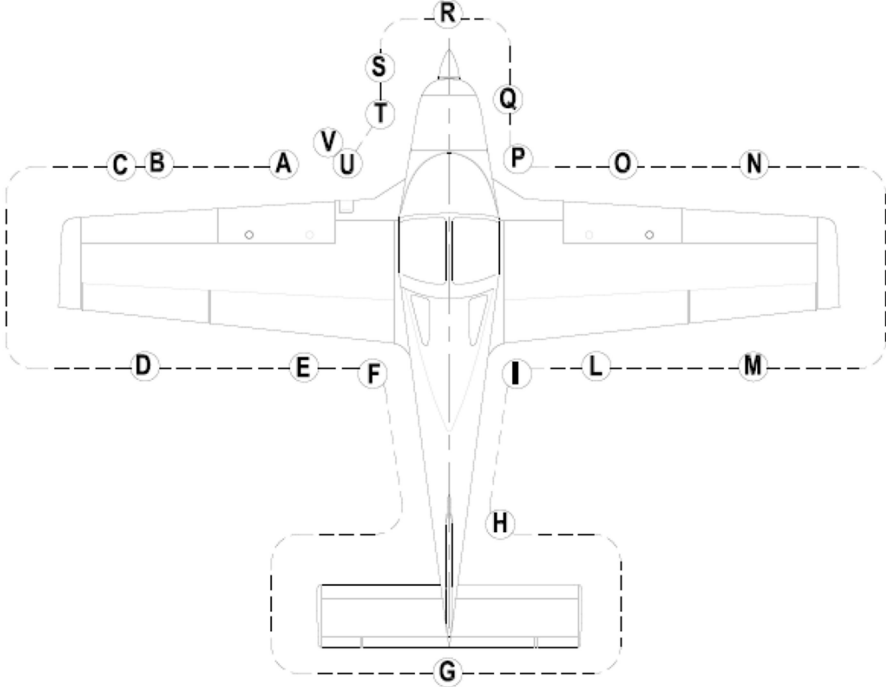
## TECNAM P2002 JF

[KIAS]	FLAPS	620KG
ROTATION SPEED ( $V_R$ )	T/O	42
BEST ANGLE-OF-CLIMB SPEED ( $V_X$ )	0°	56
BEST RATE-OF-CLIMB SPEED ( $V_Y$ )	0°	66
APPROACH SPEED	15°	66
FINAL APPROACH SPEED	FULL	55
DESIGN MANEUVERING SPEED ( $V_A$ )	0°	100
NEVER EXCEED SPEED ( $V_{NE}$ )	0°	142
NORMAL TURN/STEEP TURN (60°)	0°	70/96
LANDING PATTERN SEED	0°	80
GLIDING SPEED ( $V_G$ )	0°	69
MAXIMUM FLAP EXTENDED SPEED ( $V_{FE}$ )	T/O	101
MAXIMUM FLAP EXTENDED SPEED ( $V_{FE}$ )	FULL	69
STALL SPEED ( $V_S$ )	0°	41
STALL SPEED IN LANDING CONFIG. ( $V_{S0}$ )	FULL	33
STALL SPEED IN TURN (30°)	0°	44
STALL SPEED IN TURN (60°)	0°	69

## CABIN INSPECTION

<b>AIRCRAFT DOCUMENTS</b>	(ARC, CERTIFICATE OF AIRWORTHINESS, NOISE CERTIFICATE, RADIO COM CERTIFICATE, AFM)
<b>WEIGHT AND BALANCE</b>	CHECK WITHIN LIMITS
<b>SAFETY BELTS</b>	CHECK CONDITION
<b>MAGNETOS</b>	OFF, KEYS EXTRACTED
<b>ALTERNATE HORIZON</b>	PULL TO CAGE, HOLD
<b>MASTER</b>	ON
<b>VOLTMETER</b>	10-12V
<b>AMMETER</b>	CHECK (RED)
<b>LIGHTS</b>	ALL ON, CHECK OPERATION
<b>ACOUSTIC STALL WARNING</b>	CHECK OPERATION
<b>MASTER</b>	OFF
<b>BAGGAGE</b>	CHECK

## Per flight check



*Visual inspection is defined as follows: check for defects, cracks, detachments, excessive play, unsafe or improper installation as well as for general condition. For control surfaces, visual inspection also involves additional check for freedom of movement and security. Red lubber lines on bolts and nuts shall be intact.*



*Fuel level indicated by the cockpit-televells should be verified by visual check of actual fuel quantity embarked in the tanks.*

### **NOTE**

*Fuel drainage operation must be carried out with the aircraft parked on a level surface. Set Cockpit Fuel Selector Valve to on prior to drain fuel circuit nose section valve.*

- A Left fuel filler cap: check visually for desired fuel level. Drain the left fuel tank by drainage valve using a cup to collect fuel (drainage operation must be carried out with the aircraft parked on a level surface). Check for water or other contaminants. Close filler cap.
- B Remove protection plug (if provided) and check the Pitot tube and the static ports mounted on left wing are unobstructed; do not blow inside vents.
- C Left side leading edge and wing skin: visual inspection
- D Left aileron, trim tab and hinges: visual inspection, check free of play, friction; Left tank vent: check for obstructions.
- E Left flap and hinges: visual inspection
- F Left main landing gear: check inflation, tire condition, alignment, fuselage skin condition.
- G Horizontal tail and tab: visual inspection, check free of play, friction.
- H Vertical tail, rudder and trim tab: visual inspection, check free of play, friction.
- I Right main landing gear; check inflation, tire condition, alignment, fuselage skin condition.
- L Right flap and hinges: visual inspection.
- M Right aileron, trim tab and hinges: visual inspection, check free of play, friction; Right side tank vent: check for obstructions.
- N Right leading edge and wing skin: visual inspection.
- O Right fuel filler cap: check visually for desired fuel level. Drain the right fuel tank by the drainage valve using a cup to collect fuel. Drainage operation must be carried out with the aircraft parked on a level surface. Check for water or other contaminants. Close filler cap.
- P Set the fuel selector valve to OFF. Drain circuit using a cup to collect fuel by opening the specific drainage valve (part of the gascolator). Check for water or other contaminants.
- Q Nose wheel strut and tire: check inflation, tire and rubber shock absorber discs condition.
- R Propeller and spinner condition: check for nicks, cracks, dents and other defects, propeller should rotate freely. Check fixing and lack of play between blades and hub.
- S Open engine cowling:
  1. Check no foreign objects are present.
  2. Verify coolant level in the overflow bottle: level must be between min. and max. mark. Replenish if required.

3. Only before the first flight of the day:
  - a. Verify coolant level in the expansion tank, replenish as required up to top (level must be at least 2/3 of the expansion tank).
  - b. Turn the propeller by hand to and fro, feeling the free rotation of 15° or 30° before the crankshaft starts to rotate. If the propeller can be turned between the dogs with practically no friction at all further investigation is necessary. Turn propeller by hand in direction of engine rotation several times and observe engine for odd noises or excessive resistance and normal compression.
  - c. Carburetors: check the throttle cable condition and installation.
  - d. Exhaust: inspect for damages, leakage and general condition
4. Check radiators. There should be no indication of leakage of fluid and they have to be free of obstructions.
5. Check oil level and replenish as required. Prior to oil check, having magnetos switched off turn the propeller by hand in direction of engine rotation several times to pump oil from the engine into the oil tank, or let the engine idle for 1 minute. This process is finished when air is returning back to the oil tank and can be noticed by a murmur from the open oil tank. Prior to long flights oil should be added so that the oil level reaches the “max” mark.
6. Inspect fuel circuit for leakages.
7. Check integrity of silent-block suspensions.
8. Check connection and integrity of air intake system, visually inspect that ram air intake is unobstructed.
9. Check that all parts are secured or safetied.

T Close engine cowling, check for proper alignment of cam-locks.

U Visual inspection of the Landing and Strobe Light.

V Remove tow bar and chocks, stow on board pitot, static ports and stall warning protective covers.

### **Post flight check**

1. Safety belts: connected to hard points, check condition
2. Magnetos: OFF, keys extracted
3. Master switch: OFF
4. Visual inspection is defined as follows: check for defects, cracks, detachments, excessive play, unsafe or improper installation as well as for general condition. For control surfaces, visual inspection also involves additional check for freedom of movement and security. Red lubber lines on bolts and nuts shall be intact.

5. Use protection plug on the Pitot tube and the static ports mounted on left wing
6. Use protection plug on the Pitot tube and the static ports mounted on left wing
7. Left aileron, trim tab and hinges: visual inspection, check free of play, friction;  
Left tank vent: check for obstructions.
8. Left flap and hinges: visual inspection
9. Left main landing gear: check inflation, tire condition, alignment, fuselage skin condition
10. Horizontal tail and tab: visual inspection, check free of play, friction.
11. Vertical tail, rudder and trim tab: visual inspection, check free of play, friction.
12. Right main landing gear; check inflation, tire condition, alignment, fuselage skin condition.
13. Right flap and hinges: visual inspection.
14. Right aileron, trim tab and hinges: visual inspection, check free of play, friction; Right side tank vent: check for obstructions.
15. Right leading edge and wing skin: visual inspection.
16. Nose wheel strut and tire: check inflation, tire and rubber shock absorber discs condition.
17. Propeller and spinner condition: check for nicks, cracks, dents and Rother defects, propeller should rotate freely. Check fixing and lack of play between blades and hub.
18. Open engine cowling:
  1. Check no foreign objects are present.
  4. Check radiators. There should be no indication of leakage of fluid and they have to be free of obstructions.
  6. Inspect fuel circuit for leakages.
  7. Check integrity of silent-block suspensions.
  8. Check connection and integrity of air intake system, visually inspect that ram air intake is unobstructed.
  9. Check that all parts are secured or safetied.
19. Close engine cowling, check for proper alignment of cam-locks.
20. Visual inspection of the landing and strobe light.
21. Use chocks, stall warning protective covers.

**BEFORE ENGINE STARTING**

<b>SEAT POSITION AND SAFETY BELTS</b>	ADJUST
<b>FLIGHT CONTROLS</b>	MOVEMENT SMOOTHNESS, FREE OF PLAY AND FRICTION
<b>PARKING BRAKE</b>	ENGAGE
<b>THROTTLE</b>	THROTTLE FRICTION AND IDLE
<b>CIRCUIT BREAKERS</b>	CHECK ALL IN
<b>GPU (G500) BREAKER</b>	OUT
<b>ALTERNATE HORIZON</b>	PULL TO CAGE, HOLD
<b>MASTER</b>	ON, <i>CHECK GENERATOR LIGHT ON AND VOLTAGE (AT LEAST 10.5 V)</i>
<b>FUEL PUMP</b>	ON CHECK FUEL PRESSURE
<b>FUEL PUMP</b>	OFF
<b>MASTER AVIONIC</b>	ON INSTRUMENTS CHECK
<b>MASTER AVIONIC</b>	OFF
<b>FLAPS</b>	CYCLE FULLY EXTENDED AND THEN SET T/O
<b>PITCH TRIM</b>	ON - CYCLE FULLY UP AND DOWN, SET NEUTRAL
<b>NAV LIGHTS,</b>	ON
<b>FUEL QUANTITY</b>	CHECK INDICATION
<b>CANOPY</b>	CLOSED AND LOCKED



## ENGINE STARTING

<b>ALTERNATE HORIZON</b>	PULL TO CAGE
<b>MASTER</b>	CHECK ON
<b>AVIONC MASTER</b>	CHECK OFF
<b>THROTTLE</b>	IDLE
<b>CHOKE</b>	AS NEEDED
<b>FUEL SELECTOR VALVE</b>	SELECT LEFT OR FULLEST TANK
<b>FUEL PUMP</b>	ON
<b>PROPELLER AREA</b>	CALL FOR CLEAR AND VISUALLY CHECK
<b>MAGNETOS</b>	START
<b>OIL PRESSURE</b>	RISE WITHIN 10 SEC. (MAX. 7 BAR)
<b>GENERATOR</b>	ON
<b>VOLTMETER</b>	14 V
<b>AMMETER</b>	GREEN
<b>ENGINE INSTRUMENTS</b>	CHECK
<b>CHOKE</b>	OFF
<b>PROPELLER RPM</b>	1000-1200
<b>FUEL PUMP</b>	OFF FUEL PRESSURE (MIN. 2.2 PSI)
<b>GPU (G500) BREAKER</b>	IN
<b>AVIONIC MASTER ON</b>	SET NAV/COMM, BARO, ALT, HDG, CRS, GPS, XDPS,

## TAXI

<b>OFF BLOCK TIME</b>	NOTE
<b>SPACE AROUND THE PLAIN</b>	CHECK
<b>PARKING BRAKE</b>	DISENGAGE
<b>BRAKES</b>	CHECK DURING TAXI
<b>STEERING</b>	CHECK
<b>FLIGHT INSTRUMENTS</b>	CHECK REACTION AND INDICATIONS

## RUN UP

<b>PARKING BRAKE</b>	ENGAGE
<b>ENGINE INSTRUMENTS</b>	CHECK WITHIN LIMITS
<b>FUEL PUMP</b>	ON, CHECK PRESSURE
<b>FUEL VALVE</b>	SELECT LEFT OR FULLEST TANK
<b>RPM</b>	1640
<b>IGNITION MAGNETOS</b>	CHECK L, BOTH, R, BOTH
<b>CARB. HEAT</b>	TEST
<b>RPM</b>	1000
<b>FLAPS</b>	SET T/O (15°)
<b>PITCH TRIM</b>	CHECK NEUTRAL
<b>FLIGHT CONTROLS</b>	CHECK FREE
<b>SEAT BELTS</b>	CHECKED FASTENED
<b>CANOPY</b>	CHECK CLOSED AND LOCKED

## BEFORE TAKE-OFF

<b>WIND</b>	CHECK DIRECTION AND SPEED
<b>APPROACH SECTOR</b>	CHECK FREE
<b>INSTRUMENTS</b>	CHECK SETTINGS AND INDICATIONS
<b>TRANSPONDER</b>	ALT
<b>STROBE LIGHT</b>	ON
<b>FUEL PUMP</b>	CHECK ON
<b>CARB. HEAT</b>	CHECK OFF
<b>FLAPS</b>	CHECK T/O
<b>LANDING LIGHT</b>	ON

## TAKE-OFF BRIEFING

I'LL TAKE-OFF RWY..... SURFACE CONDITION (WET/DRY), WIND.....  
 ROTATION 42, CLIMB SEED  $V_Y$  66. IN CASE OF EMERGENCY ON THE GROUND  
 ABOARD TAKE-OFF . IN CASE OF ENGINE FAILURE UP TO ALT=500 FT AGL  
 LAND STRAIGHT AHEAD, IN CASE OF ENGINE FAILURE ALT>500 AGL TURN  
 AROUND AND LAND ON RWY WITH TAIL WIND,  $V_G=69$   
 TAKE – OFF BRIEFING COMPLETED

## TAKE-OFF AND CLIMB

<b>PARKING BRAKE</b>	DISENGAGE
<b>FULL THROTTLE</b>	CHECK INSTRUMENTS AND CALL OUT “T/O POWER SET AND CHECK”
<b>SPEED</b>	CHECK AND CALL OUT “SPEED ALIVE”
<b>42 KTS</b>	ROTATION
<b>66 KTS</b>	CLIMB
<b>ALT&gt;200 FT AGL</b>	FLAPS RETRACT, FUEL PUMP OFF, LANDING LIGHT OFF
<b>RPM</b>	REDUCE AT OR BELOW 2250

## CRUISE

<b>RPM</b>	GREEN SECTOR BELOW 2250
<b>ENGINE INSTRUMENTS</b>	WITHIN LIMITS
<b>CARB. HEAT.</b>	AS NEEDED <sup>1</sup>
<b>PITOT HEAT.</b>	AS NEEDED
<b>FUEL SELECTOR VALVE</b>	AS NEEDED FUEL PUMP ON, CHECK PRESSURE, SWITCH VALVE , CHECK PRESSURE AND WAIT 10-15 s., FUEL PUMP OFF

## BEFORE LANDING BRIEFING

I'LL LAND RWY.... SURFACE CONDITIONS (WET/DRY). WIND.....  
 I'LL LAND WITH .....(FULL / T/O) FLAPS POSITION. T/O FLAPS AFTER BASE  
 APCH SPEED 66 KTS, FULL FLAPS ON FINAL APCH SPEED 55 KTS.  
 ALTIMETERS SET AND CHECKED, LANDING BRIEFING COMPLETED

<b>FUEL PUMP</b>	ON
<b>CARB. HEAT</b>	AS REQUIRED <sup>1</sup>
<b>LANDING LIGHT</b>	ON
<b>PARKING BRAKE</b>	CHECK DISENGAGE

## BALKED LANDING

<b>THROTTLE</b>	FULL
<b>CARB. HEAT.</b>	OFF
<b>FLAPS</b>	T/O
<b>CLIMB</b>	AFTER SETTING FLAPS T/O POSITION AND INCREASING SPEED SET CLIMB WITH $V_X-56$ OR $V_Y-66$
<b>FUEL PUMP</b>	CHECK ON

## AFTER LANDING

<b>FLAPS</b>	UP
<b>FUEL PUMP</b>	OFF
<b>TRANSPONDER</b>	SBY
<b>STROBE LIGHT</b>	OFF
<b>LANDING LIGHT</b>	OFF (AT NIGHT USE LANDING LIGHT FOR TAXI)

## ENGINE SHUT DOWN

<b>ON BLOCK TIME</b>	NOTE
<b>PARKING BRAKE</b>	ENGAGE
<b>RPM</b>	1000-1200 FOR 1 MINUTE
<b>RPM</b>	MINIMUM
<b>AVIONIC MASTER</b>	OFF
<b>GPU (G500) BREAKER</b>	OUT
<b>MAGNETOS</b>	OFF
<b>NAV LIGHT</b>	OFF
<b>MASTER AND GENERATOR</b>	<b>OFF</b>
<b>FUEL SELECTOR VALVE</b>	OFF

Two types of emergency procedures are hereby given:

a. „**RED**”, which must be known by heart and executed in the correct and complete sequence, as soon as possible as the failure is detected and recognized.

b. „**YELLOW**”, which should be well theoretically know and mastered, but that are not time critical and can be executed entering and following step by step the AFM appropriate checklist.

**Land as soon as possible:** land without delay at the nearest suitable area at which a safe approach and landing is assured.

**Land as soon as practical:** land at the nearest approved landing area where suitable repairs can be made.

### **GENERATOR LIGHT ILLUMINATES (ALT)**

<b>GENERATOR</b>	OFF
<b>MASTER</b>	OFF
<b>GENERATOR</b>	ON
<b>MASTER</b>	ON
IF THE PROBLEM PERSISTS	
<b>GENERATOR</b>	OFF
<b>NON-VITAL ELECTRIC EQUIPMENT</b>	OFF
<b>RADIO COMM</b>	REDUCE TO MIN.
BATTERY IS CAPABLE TO SUPPLY POWER FOR ABOUT 20 MIN.	

### **ELECTRICAL FUEL PUMP FAILURE**

<b>FUEL PUMP</b>	OFF
<b>FUEL PUMP</b>	ON
<b>FUEL PRESSURE</b>	CHECK
<b>IF FUEL PRESSURE DOESN'T BUILD UP</b>	LAND AS SOON AS POSSIBLE MONITORING FUEL PRESSURE

## **TRIM SYSTEM FAILURE (LOCKED CONTROL)**

<b>BREAKERS</b>	CHECK
<b>TRIM SWITCH LH/RH</b>	CHECK FOR CORRECT POSITION
<b>SPEED</b>	ADJUST TO CONTROL AIRCRAFT WITHOUT EXCESSIVE STICK FORCE
<b>LAND AIRCRAFT AS SOON AS POSSIBLE</b>	

## **RUNAWAY**

<b>TRIM SWITCH</b>	OFF
<b>SPEED</b>	ADJUST TO CONTROL AIRCRAFT WITHOUT EXCESSIVE STICK FORCE
<b>LAND AIRCRAFT AS SOON AS POSSIBLE</b>	

## **AIRPLANE EVACUATION**

<b>PARKING BRAKE</b>	ENGAGE
<b>SEAT BELTS</b>	UNSTRAP COMPLETELY
<b>HEADPHONES</b>	REMOVE
<b>CANOPY</b>	OPEN
<b>IF CANOPY IS LOCKED OR DOESN'T SLIDE BREAK IT USING THE HAMMER</b>	
<b>ESCAPE</b>	

## **ENGINE SECURING**

<b>THROTTLE</b>	IDLE
<b>MAGNETOS</b>	OFF
<b>FUEL SELECTOR</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>GENERATOR</b>	OFF

## **ENGINE FAILURE DURING TAKE-OFF RUN**

<b>THROTTLE</b>	IDLE
<b>RUDDER</b>	KEEP HEADING CONTROL
<b>BRAKES</b>	APPLY AS NEEDED
<b>WHEN SAFELY STOPPED</b>	
<b>MAGNETOS</b>	OFF
<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>GENERATOR &amp; MASTER</b>	OFF

## **ENGINE FAILURE AFTER TAKE-OFF ALT < 200' AGL**

<b>SPEED</b>	DEPENDING ON FLAPS POSITION $V=(69, 66, 55) > 51$
<b>FLAPS</b>	AS NEEDED
<b>AT, OR RIGHT BEFORE TOUCH DOWN</b>	
<b>MAGNETOS</b>	OFF
<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>GENERATOR &amp; MASTER</b>	OFF

## **LOW FUEL PRESSURE**

<b>FUEL PUMP</b>	ON
<b>FUEL SELECTOR VALVE</b>	CHANGE THE FUEL FEEDING TANK
<b>FUEL QUANTITY INDICATORS</b>	CHECK
<b>LAND AS SOON AS POSSIBLE MONITORING FUEL PRESSURE</b>	
<b>IF ENGINE STOPS</b>	FORCED LANDING PROCEDURE



## **OIL PRESSURE LIMITS EXCEEDANCE**

<b>THROTTLE</b>	REDUCE POWER AS PRACTICAL
<b>OIL PRESS AND OIL TEMP</b>	CHECK WITHIN LIMITS
LAND AS SOON AS PRACTICAL	

## **OIL PRESSURE UNDER THE LOWER LIMIT (0.8 BAR)**

<b>THROTTLE</b>	REDUCE POWER AS PRACTICAL
LAND AS SOON AS PRACTICAL	
<b>IF OIL PRESSURE CONTINUES TO DECREASE</b>	LAND AS SOON AS POSSIBLE APPLYING FORCED LANDING PROCEDURE

## **HIGH OIL TEMPERATURE**

<b>THROTTLE</b>	REDUCE POWER AS PRACTICAL
<b>AIRSPEED</b>	INCREASE
LAND AS SOON AS PRACTICAL	
<b>IF ENGINE ROUGHNESS, VIBRATIONS, ERRATIC BEHAVIOR, OR HIGH CHT /CT IS DETECTED</b>	LAND AS SOON AS POSSIBLE APPLYING FORCED LANDING PROCEDURE

## **CHT/CT LIMIT EXCEEDANCE**

<b>THROTTLE</b>	REDUCE POWER AS PRACTICAL
LAND AS SOON AS PRACTICAL	
<b>IF ENGINE ROUGHNESS OR HIGH CHT /CT IS DETECTED</b>	LAND AS SOON AS POSSIBLE APPLYING FORCED LANDING PROCEDURE

## IN-FLIGHT ENGINE RESTART

<b>SPEED</b>	> 69
<b>ALTITUDE</b>	< 4000'
<b>CARB. HEAT.</b>	AS NEEDED
<b>FUEL PUMP</b>	ON
<b>FUEL QUANTITY</b>	CHECK
<b>FUEL SELECTOR VALVE</b>	CHANGE THE FUEL FEEDING TANK
<b>MAGNETOS</b>	BOTH
<b>MAGNETOS</b>	START
<b>THROTTLE</b>	SET AS REQUIRED
IN CASE OF UNSUCCESSFUL ENGINE RESTART	
<b>ENGINE</b>	SECURE
LAND AS SOON AS POSSIBLE APPLYING FORCED LANDING PROCEDURE	

## ENGINE FIRE ON THE GROUND

<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>MAGNETOS</b>	OFF
<b>THROTTLE</b>	FULL POWER
<b>CABIN HEAT</b>	OFF
<b>GENERATOR &amp; MASTER</b>	OFF
<b>PARKING BRAKE</b>	ENGAGED
<b>EVACUATION</b>	IMMEDIATELY

## **ENGINE FIRE DURING TAKEOFF**

<b>BEFORE ROTATION</b>	ABORT TAKE OFF
<b>THROTTLE LEVER</b>	IDLE
<b>RUDDER</b>	KEEP HEADING CONTROL
<b>BRAKES</b>	AS REQUIRED
<b>FUEL SELECTOR</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>MAGNETOS</b>	OFF
<b>CABIN HEAT</b>	OFF
<b>GENERATOR &amp; MASTER</b>	OFF
<b>PARKING BRAKE</b>	ENGAGED
<b>EVACUATION</b>	IMMEDIATELY

## **ENGINE FIRE IN-FLIGHT**

<b>CABIN HEATING</b>	OFF
<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>THROTTLE</b>	FULL FORWARD until the engine stops
<b>MAGNETOS</b>	OFF
<b>CABIN VENTS</b>	OPEN
LAND AS SOON AS POSSIBLE APPLYING FORCED LANDING PROCEDURE	

## **CABIN FIRE / ELECTRICAL SMOKE IN CABIN DURING FLIGHT**

<b>CABIN HEATING</b>	OFF
<b>CABIN VENTS</b>	OPEN
<b>CANOPY</b>	OPEN, IF NECESSARY
<b>FIRE EXTINGUISHER</b>	USE TOWARDS FLAME BASE
IF SMOKE PERSISTS	
<b>MASTER</b>	OFF
<b>GENERATOR</b>	OFF
LAND AS SOON AS POSSIBLE AND EVACUATE THE AIRCRAFT	

## **ELECTRICAL SMOKE/FIRE IN CABIN ON THE GROUND**

<b>GENERATOR</b>	OFF
<b>THROTTLE</b>	IDLE
<b>MAGNETOS</b>	OFF
<b>FUEL SELECTOR VALVE</b>	OFF
<b>MASTER</b>	OFF
<b>EVACUATION</b>	IMMEDIATELY

## **FORCED LANDING WITHOUT ENGINE POWER**

<b>FLAP</b>	UP
<b>AIRSPEED</b>	69
<b>PLACE TO LAND</b>	FIND A SUITABLE
<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>MAGNETOS</b>	OFF
<b>SAFETY BELTS</b>	TIGHTEN
<b>CANOPY LOCKS</b>	CHECK LOCKED
<b>FLAPS</b>	AS NECESSARY
<b>GENERATOR &amp; MASTER</b>	OFF

## **POWER-ON FORCED LANDING**

<b>AIRSPEED</b>	69
<b>FLAPS</b>	UP
<b>PLACE TO LAND</b>	FIND A SUITABLE
<b>SAFETY BELTS</b>	TIGHTEN
<b>CANOPY LOCKS</b>	CHECK LOCKED
BEFORE TOUCH DOWN	
<b>FLAPS</b>	AS NECESSARY
<b>FUEL SELECTOR VALVE</b>	OFF
<b>FUEL PUMP</b>	OFF
<b>MAGNETOS</b>	OFF
<b>GENERATOR &amp; MASTER</b>	OFF

## LANDING WITH A FLAT NOSE TIRE

<b>PRE-LANDING CHECKLIST</b>	COMPLETE
<b>FLAPS</b>	FULL
LAND AND MAINTAIN AIRCRAFT NOSE HIGH ATTITUDE AS LONG AS POSSIBLE	
<b>ENGINE</b>	SECURE
<b>EVACUATION</b>	PERFORM

## LANDING WITH A FLAT MAIN TIRE

<b>PRE-LANDING CHECKLIST</b>	COMPLETE
<b>FLAPS</b>	FULL
LAND THE AEROPLANE ON THE SIDE OF RUNWAY OPPOSITE TO THE DEFECTIVE TIRE	
TOUCHDOWN WITH THE GOOD TIRE FIRST AND HOLD AIRCRAFT WITH THE FLAT TIRE OFF THE GROUND AS LONG AS POSSIBLE	
<b>ENGINE</b>	SECURE
<b>EVACUATION</b>	PERFORM

## RECOVERY FROM UNINTENTIONAL SPIN

<b>THROTTLE</b>	IDLE
<b>RUDDER</b>	FULL, IN THE OPPOSITE DIRECTION OF THE SPIN
<b>STICK</b>	CENTRALIZE AND HOLD NEUTRAL
AS THE SPIN STOPS	
<b>RUDDER</b>	SET NEUTRAL
<b>AEROPLANE ATTITUDE</b>	SMOOTHLY RECOVER
<b>THROTTLE</b>	READJUST

## UNINTENTIONAL FLIGHT INTO ICING CONDITIONS

<b>CARB. HEAT</b>	ON
<b>PITOT HEAT</b>	ON
IMMEDIATELY FLY AWAY FROM ICING CONDITIONS	
<b>CONTROLS SURFACES</b>	CONTINUE TO MOVE TO MAINTAIN THEIR MOVABILITY
<b>PROPELLER SPEED</b>	INCREASE RPM
<b>CABIN HEAT</b>	ON

<sup>1</sup> Carburetor heating use only if necessary when rpm idle. Using carburetor heating when rpm at or above 1800 can lead to fuel boiling and engine failure. SERVICE INFORMATION LETTER N° SIL-2017-02