

BEFORE ENGINE START

1. Daily Inspection	CHECK
2. Pitot Probe Cover Remove	REMOVED
3. ELT	CHECK / ARMED
4. Safety Belts, Pedals	ADJUST
5. Circuit Breakers / Switch down	CHECK / DOWN
6. Master Switch	ON
7. Starter Key	TURN 90° TO POWER
8. HOBBS Time	NOTED
9. Fuel Quantity	CHECK
10. Fuel Selector	LEFT
11. Fuel Pump	ON
12. Fuel Pressure	CHECK
13. Fuel Pump	OFF
14. Brakes	BRAKES ON

ENGINE START

1. Choke (If needed)	OUT & TURN
2. Oil Cooler Flap (BLUE)	OUT
3. Throttle To Start	ONE TURN
4. NAV Lights	ON
5. Magnetos	ON
6. Propeller Area	CLEAR
7. Engine Start (Key)	START(~2000RPM = 2 MIN)
8. Oil Pressure (Within 20 Sec)	CHECK ABOVE 2.0 BAR
9. Choke	IN (RPM 2500 AFTER 2 MIN)
10. Engine Instruments	CHECK

BEFORE TAXI

1. Autopilot, RADIO, Transponder	ON – STB: 7000
2. Altimeter	ADJUST
3. Fuel Lamp Test 20 Min	LIGHT CHECK
4. Radio	ON / CHECK
5. Brakes / Steering / Flaps 0	CHECK / ADJUST

@ HOLDING / RUN UP - BEFORE ENTRING RWY

1. Brakes	BRAKES ON
2. Oil Cooler Flap	AS REQUIRED
3. Control Stick (Freedom of Movement)	CHECK SQUARE
4. Elevator Trim Control (Movement)	TO NEUTRAL POSITION
5. Flaps (Movement 0-1-2-3 to 1)	CHECK FLAPS 1
6. Throttle (NBI Oil Min >50 °C)	ENGINE @ 3500 RPM
7. Magnetos 1 Max Drop	DROP CHECK <300 RPM
Magnetos 2 Max Drop (Max 120 Diff)	DROP CHECK <300 RPM
8. Carburetor Heat Test	DROP CHECH
9. Throttle Idle	CHECK
10. Circuit Breakers + Instruments	CHECK
11. Fuel Selector	LEFT
12. Fuel Pump	ON
13. Landing Lights	ON
14. Transponder Mode	SET ACS MODE
15. Rescue System + Emergency	REMOVE PIN + REPEAT
Local: Wind, RW, Abort Points	CHECK RETURN >1000FT AGL
16. Radio & Outlook, Entering RWY	CLEAR

TAKE- OFF / ON RWY

1. Canopy	LOCKED
2. Oil Cooler Flap (Oil Over > 50°C)	CHECK IN
3. Compass ° / RWY Clear / Clearance	CHECK & APPROVED
4. Take-Off Time	NOTED
5. Throttle Max	MAX & RPM > 5100
6. Airspeed	> 43 KTS ROTATE

CLIMBING

1. Airspeed m/ Flaps 1	65-70 KTS
2. Flaps retracting 0	IN AT 200 FT AGL~ 75 KTS
3. Oil Cooler Flap	OIL TEMP CHECK

CRUISE

1. Cruise Best Economy (65-75%)	@ 4800 RPM
2. Fuel Pump	OFF = Fuel Pressure CHECK
3. Landing Lights	OFF
4. Oil Cooler Flap	OIL TEMP 90°- 110°C
5. Fuel Selector (*)	BEST → RIGHT TANK

(*) FULL FUEL TANKS - Switch to the right tank earliest after 30 minutes

APPROACH

1. Seat Belt	ADJUST
2. Fuel Selector (Red)	LEFT
3. Fuel Pump (Yellow)	ON
4. Landing Lights	ON
5. Instruments - Indicators - Lights	CHECK

LANDING

1. Downwind - Carburetor Heat (Yellow)	ON
2. Downwind - Keypoint	FLAP 1 <75 KTS + TRIM
3. Base Carburetor Heat (Yellow)	FLAP(1-2) + 65 KTS + LOOK OFF (INN)
4. Final & RWY Clear	FLAP (2-3) + 60 KTS

AFTER LANDING

1. Flaps	RETRACT UP 0
2. Fuel Pump	OFF
3. Touchdown Time	NOTED
4. Landing Lights	OFF = CLEAR OF RWY
5. Transponder Mode	STB 7000 = CLEAR OF RWY

PARKING & SECURING AIRCRAFT

1. Brakes	SET TO «PARK»
2. Avionics & Transponder	OFF
3. NAV Lights	OFF
4. Throttle	SET TO IDLE
5. Magnetos 1	SWITCH OFF (DOWN)
6. Magnetos 2 (After 1)	SWITCH OFF (DOWN)
7. HOBBS Engine Time	NOTED
8. MASTER	OFF
9. Starter Key	OFF + OUT => In Door Hatch
10. Rescue System	SECURED
11. Flaps To Parking	FLAPS 1
12. Flight Plan	CLOSED
13. Parked + Canopy Locked,+ Pitot Cover ON	CHECK

EMERGENCY PROCEDURES

ENGINE FAILURE – FLY FLYET!

1. Airspeed	65 KTS
2. Carburetor Heat (Yellow)	ON (OUT)
3. Fuel Pump (Yellow)	ON (UP)
4. Landing	FIELD SELECTION
5. Fuel Selector (Red)	LEFT
6. Magnetos 1 + 2 (Red)	BOTH ON (UP)
7. Starter Key	OFF-POWER-START
8. Seat Belt	ADJUST
9. Radio Mayday	121.5
10. Transponder / ELT	SQUAWK 7700 / ON

Rescue System: Min >300 FT AGL + Magnetos OFF + Fuel OFF + <60 KTS

ENGINE FIRE

1. Fuel Selector	OFF
2. Throttle (Empty fuel)	FULL
3. Magnetos 1+2	OFF
4. Extinguish Fire	SIDE SLIP

FIRE IN COCKPIT

1. Fire	LOCALIZED
2. Magnetos 1+2	OFF
3. Fuel Pump	OFF
4. Master	OFF

Transponder

VFR Flying	7000
COM Failure	7600
Emergency	7700
Radio Emergency MAYDAY	121.5

STALL	FLAPS 0	FLAPS 15	FLAPS 24	FLAPS 35
@ 472,5 kg	45 KIAS	41 KIAS	38 KIAS	35 KIAS
@ 600 kg	48 KIAS	45 KIAS	43 KIAS	41 KIAS

CROSSWIND LANDING (MAX 24 KNOP)

FLAPS	Flap (1-2)
Speed	65 KTS

AIRSPPEED

Vne: 150 KIAS	Vno: 135 KIAS
Vra : 122 KIAS	Va: 88 KIAS
Vfe : 75 KIAS	

EMERGENCY PROCEDURES

ENGINE FAILURE

- | | | |
|----------------------|----------|-----------------|
| 1. Airspeed | | 65 KTS |
| 2. Carburetor Heat | (Yellow) | ON |
| 3. Fuel Pump | (Yellow) | ON |
| 4. Landing | | SELECT |
| 5. Fuel Selector | (Red) | LEFT |
| 6. Magnetos | (Red) | BOTH ON |
| 7. Starter Key | | OFF-POWER-START |
| Seat Belt | | ADJUST |
| 8. Radio Mayday | | 121,5 |
| 9. Transponder / ELT | | 7700 / ON |

Rescue System:

- + MIN >300 FT AGL + MAGNETOS OFF
- + FUEL OFF + AIRSPEED <60 KTS

ENGINE FIRE

- | | |
|--------------------|-----------|
| 1. Fuel Selector | OFF |
| 2. Throttle | FULL |
| 3. Magnetos 1+2 | OFF |
| 4. Extinguish Fire | SIDE SLIP |

FIRE IN COCKPIT

- | | |
|-----------------|------|
| 1. Fire | FIND |
| 2. Magnetos 1+2 | OFF |
| 3. Fuel Pump | OFF |
| 4. Master | OFF |

FLY FLYET!

EMERGENCY PROCEDURES

ENGINE FAILURE

- | | | |
|-----------------|----------|--------|
| AIRSPEED | | 65 KTS |
| CARBURATOR HEAT | (YELLOW) | ON |
| FUEL PUMP | (YELLOW) | ON |
| LANDING AREA | | SELECT |

- | | | |
|---------------|-------|------|
| FUEL SELECTOR | (RED) | LEFT |
| MAGNETOS 1+2 | (RED) | ON |

- | | |
|-----------|-----------------|
| START KEY | OFF-POWER-START |
| SEAT BELT | ADJUST |

- | | |
|-------------------|-----------|
| RADIO MAYDAY | 121.5 |
| TRANSPONDER / ELT | 7700 / ON |

FLY FLYET!

EMERGENCY PROCEDURES

ENGINE FAILURE

- | | | |
|-----------------|----------|--------|
| AIRSPEED | | 65 KTS |
| CARBURATOR HEAT | (YELLOW) | ON |
| FUEL PUMP | (YELLOW) | ON |
| LANDING AREA | | SELECT |
| FUEL SELECTOR | (RED) | LEFT |
| MAGNETOS 1+2 | (RED) | ON |

- | | |
|-----------|----------|
| START KEY | RE-START |
| SEAT BELT | ADJUST |

- | | |
|-------------------|-------|
| RADIO MAYDAY | 121.5 |
| TRANSPONDER / ELT | 7700 |

RESCUE SYSTEM:

- | | |
|---------------------|----------------------|
| (1) MIN >300 FT AGL | (2) MAGNETOS OFF |
| (3) FUEL OFF | (4) AIRSPEED <60 KTS |

ENGINE FIRE

- | | |
|--------------------|-----------|
| 1. Fuel Selector | OFF |
| 2. Throttle | FULL |
| 3. Magnetos 1+2 | OFF |
| 4. Extinguish Fire | SIDE SLIP |

FIRE IN COCKPIT

- | | |
|--------------|------|
| 1. Fire | FIND |
| 2. Magnetos | OFF |
| 3. Fuel Pump | OFF |
| 4. Master | OFF |

FLY FLYET!

TAKE-OFF / CLIMB

- | | |
|-----------------------|-----------|
| CANOPY | LOCKED |
| OIL | > 50°C) |
| RWY | CLEAR |
| TAKE-OFF TIME | NOTED |
| FLAP 1 / FUEL PUMP ON | CHECK |
| THROTTLE MAX | RPM>5100 |
| AIRSPEED | > 43 KTS |
| CLIMB | ----- |
| AIRSPEED FLAPS 1 | 65-70 KTS |
| FLAPS UP @ 200FT AGL | UP |
| CLIMBING SPEED | 75 KTS |

CRUISE

- | | |
|-------------------------|-----------|
| CRUISE | 4800 RPM |
| FUEL PUMP | OFF |
| LANDING LIGHTS | OFF |
| OIL COOLER FLAPS | 90°- 110° |
| FUEL SELECTOR (30 min*) | BEST* |

SPEED

- | | |
|------------------|------------|
| BEST GLIDE | 65 KIAS |
| BEST CLIMB | 65-70 KIAS |
| MAX FLAP 1-3 | 75 KIAS |
| TURBULENCE | 124 KIAS |
| MAX MANEUVER | 88 KIAS |
| STALL FULL FLAPS | 41 KIAS |
| STALL NO FLAPS | 48 KIAS |

APPROACH

- | | |
|----------------|--------|
| SEAT BELT | ADJUST |
| FUEL SELECTOR | LEFT |
| FUEL PUMP | ON |
| LANDING LIGHTS | ON |
| INSTRUMENTS | CHECK |

DOWNWIND

- | | |
|-----------------|----|
| CARBURATOR HEAT | ON |
|-----------------|----|

KEYPOINT

- | | |
|-------|---------|
| SPEED | 75 KTS |
| FLAP | 1 = 15° |
| TRIM | ADJUST |

BASE

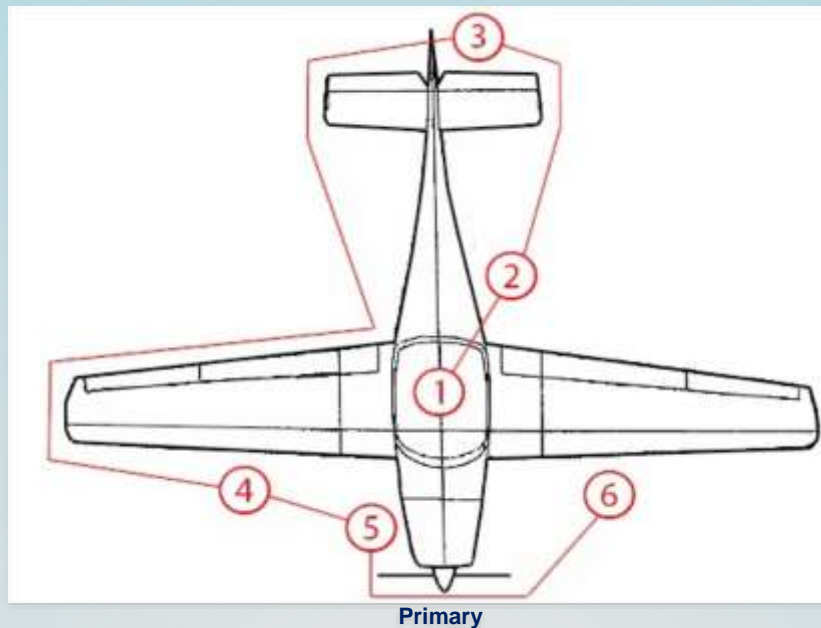
- | | |
|-----------------|---------|
| SPEED | 65 KTS |
| FLAP | 2 = 24° |
| CARBURATOR HEAT | OFF |
| FINALE | CLEAR |

FINAL

- | | |
|-----------|--------|
| SPEED | 60 KTS |
| FLAPS | 2 OR 3 |
| RWY Clear | CHECK |

DAILY INSPECTION

LN-YKS



PRIMARY INSPECTION

1. Log-Book, W/B, Permit To Fly, Insurance, & Radio Doc.	CHECK
2. Aircraft Visual Check: Level & Tire Air Pressure	CHECK
Fuel Tank Drainage, No Water	CHECK
Fuel Quantity Physical Check	CHECK

1. FLIGHT DECK AREA

1. Magnetos OFF	Starter Key Out	CHECK
2. Master Switch (Up)		ON
3. Fuel Selector		LEFT
4. Seat Belts & Protection Net	Control	CHECK
5. Control Stick (Freedom of Movement)		CHECK
6. Flaps Movement And Up		CHECK
7. Fuel Quantity Instrument		CHECK
8. Nav Lights		ON
9. Landing Lights		ON
10. Visual Check Nav- & Landing Lights		CHECK
11. Nav-, Landing Lights & Master Switch		OFF

2. AIRCRAFT BODY AREA

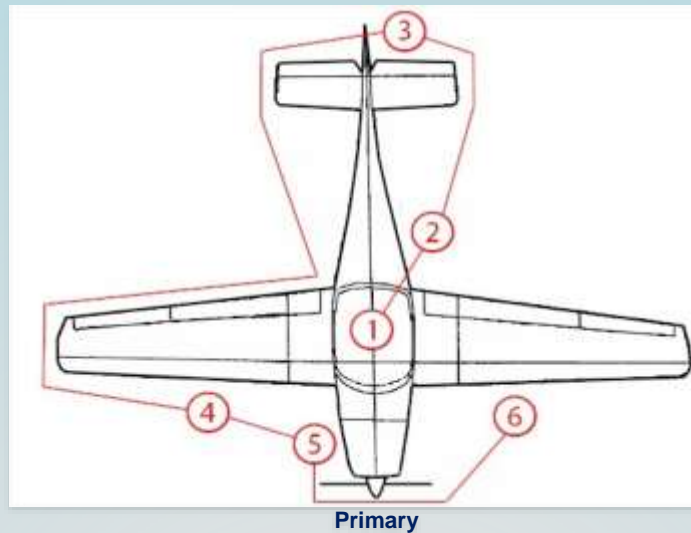
1. Canopy Free Of Damage	CHECK
2. Static Port Free	CHECK
3. Surface And Body Free Of Damage	CHECK
4. Transponder Antenna	CHECK

3. TAIL AREA

1. Surface Free Of Damage	CHECK
2. Pitch Rudder Attachment point And No Side Movement or Abnormal Sound	CHECK
3. Yaw Rudder Attachment point And No Vertical Move or Abnormal Sound	CHECK
4. Tail Skid	CEHCK

DAILY INSPECTION

LN-YKS



4. RIGHT WING AREA

1. Static Port Free	CHECK
2. Wing Surface Free Of Damage	CHECK
3. Flaps Attached, Secure & Free Of Damage	CHECK
4. Right Landing Gear	CHECK
5. Role Rudder Attachment point And No Movement and No Abnormal Sound	CHECK
6. Wing Attached & No Movement	CHECK
7. Wing Leading Edge Clean & Without damage	CHECK
8. Pitot Probe Remove and Clean	CHECK
9. Parking Bolt Removed	CHECK

5. ENGINE AREA

1. Safety pin Wing Rigging Connection LEFT	CHECK
2. Engine Cowlings Free Of Damage & Clean	CHECK
3. Integrity of Wires, Plugs, Fuel Filters & Couplings	CHECK
4. No Visual damage on Engine Surface	CHECK
5. Coolant Level	CHECK
6. Oil Level	CHECK
7. Propeller Without Damage & Equal Stiffness	CHECK
8. Propeller/Engine Attached & No Movement	CHECK
9. Exhaust system attached	CHECK
10. Nose Wheel	CHECK
11. Safety pin Wing rigging Connection RIGHT	CHECK

6. LEFT WING AREA

1. Wing Surface Free Of Damage	CHECK
2. Leading Edge Clean & Without damage	CHECK
3. Left Landing Gear	CHECK
4. Parking Bolt Removed	CHECK
5. Wing Attached & No Movement	CHECK
6. Role Rudder Attachment Points And No Movement and No Abnormal Sound	CHECK
7. Flaps Attachment, Secure pin & Free Of Damage	CHECK