

## PREFLIGHT INSPECTION (5/9)

### CAUTION

**LOW VOLTAGE (AROUND 24.5 V) MAY INDICATE THAT ONLY THE BATTERY IS POWERING THE AIRPLANE AND NOT THE PAIR GPU + BATTERY.**

**MAKE SURE THAT A GPU IS CONNECTED AND POWERING THE AIRPLANE.**

32 - EXT LIGHTS panel

- "OFF/TAXI/LDG" switch ..... OFF
- "STROBE" ..... ON
- "NAV" ..... ON

From outside the airplane, check operation of all lights and the stall warning horn

Reentering the airplane

33 - EXT LIGHTS panel ..... All switches OFF

34 - DE ICE SYSTEM panel

- All switches ..... OFF
- "ICE LIGHT" ..... ON

35 - CAS display ..... Checked

36 - Left and right fuel quantities ..... Checked

37 - Flaps control ..... LDG

38 - Landing gear panel ..... **Warning lights : 3 GREEN ON**  
**Light Test : all lights (red & green) FLASHING**

39 - DE ICE SYSTEM panel

- "PITOT L HTR" switch ..... ON
- "PITOT R & STALL HTR" switch ..... ON
- "PITOT L HTR" switch ..... OFF
- "PITOT R & STALL HTR" switch ..... OFF

### WARNING

**DO NOT TOUCH PITOTS NOR STALL WARNING VANE. THEY COULD BE HOT ENOUGH TO BURN SKIN.**

40 - Crash lever ..... Down

## PREFLIGHT INSPECTION (6/9)

### Cabin (II)

- |                                                                                             |                                           |
|---------------------------------------------------------------------------------------------|-------------------------------------------|
| 1 - Cabin fire extinguisher .....                                                           | Checked<br>(Pressure / Attachment)        |
| 2 - Seats / belts .....                                                                     | Checked                                   |
| 3 - Windows .....                                                                           | Checked<br>(General condition / No crack) |
| 4 - Emergency exit .....                                                                    | Closed / Locked                           |
| - Anti-theft safety .....                                                                   | Removed / Stowed                          |
| 5 - Baggage compartment .....                                                               | Straps in place                           |
| 6 - Partition net (if 6-seat accommodation) .....                                           | In place<br>Check general condition       |
| 7 - Large net or small net (if 4-seat accommodation<br>and if baggage transportation) ..... | In place<br>Check general condition       |
| 8 - Doors operation .....                                                                   | Checked                                   |
| 9 - Stairs condition .....                                                                  | Checked<br>(Condition / Play)             |

### AIRPLANE OUTSIDE

### L.H. wing (III)

- |                                                                                              |                                                     |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 1 - Flap .....                                                                               | Checked<br>(Condition / Play)                       |
| 2 - Aileron and trim / Spoiler .....                                                         | Checked<br>(Condition / Free movement / Deflection) |
| 3 - Trailing edge static discharger .....                                                    | Checked<br>(Condition / Attachment)                 |
| 4 - Winglet / nav. lights / strobe / landing light /<br>recognition light / taxi light ..... | Condition - Checked                                 |
| 5 - OAT probe .....                                                                          | Condition - Checked                                 |
| 6 - Fuel tank .....                                                                          | Cap Closed / Locked                                 |
| 7 - Fuel tank air vent .....                                                                 | Unobstructed - Checked                              |
| 8 - Left pitot .....                                                                         | Condition - Checked                                 |
| 9 - Wing lower surface .....                                                                 | Checked<br>(No leak)                                |
| 10 - Wing deicer boots .....                                                                 | Checked<br>(Condition / Attachment)                 |

## **PREFLIGHT INSPECTION (7/9)**

11 - Fuel tank drain (two on each wing) ..... **Drained**  
(Fuel free of water and contamination)

12 - L.H. main landing gear

- Shock absorber / doors / tire / wheel well ..... **Checked**

### **Fuselage forward section (IV)**

1 - Forward compartment

- Inside ..... **Controlled**

- Door ..... **Closed / Locked**

2 - GPU door ..... **Closed**  
(If not used)

3 - Fuel circuit drain ..... **Drained**  
(Fuel free of water and contamination)

- Filter contamination indicator ..... **Checked**

4 - L.H. exhaust stub ..... **Checked**  
(Condition / No crack)

5 - Upper engine cowls ..... **OPEN**

For the first flight of the day :

- Oil cap ..... **Closed / Locked**

- Engine oil level ..... **Checked**

- Fuel pipes ..... **Checked**  
(No leak, deterioration, wear)

6 - Engine cowls ..... **Condition - Checked**  
**Closed / Locked**

7 - Air inlets

- Main ..... **No crack - Unobscured**

- Lateral / upper ..... **Unobstructed**

8 - Propeller and spinner ..... **Checked**  
(No nicks, cracks or oil leaks / Attachment)

9 - Nose gear

- Shock absorber / doors / tire / wheel well ..... **Checked**

10 - R.H. exhaust stub ..... **Checked**  
(Condition / No cracks)

## PREFLIGHT INSPECTION (8/9)

### R.H. wing (V)

- 1 - Fuel tank drain (two on each wing) ..... **Drained**  
(Fuel free of water and contamination)
- 2 - Main landing gear  
- Shock absorber / doors / tire / wheel well ..... **Checked**
- 3 - Wing deicer boots ..... **Checked**  
(Condition / Attachment)
- 4 - Stall warning ..... **Checked**  
(Condition / Deflection)
- 5 - Wing lower surface ..... **Checked**  
(No leaks)
- 6 - Fuel tank ..... **Cap Closed / Locked**
- 7 - Fuel tank air vent ..... **Unobstructed - Checked**
- 8 - Right pitot ..... **Condition - Checked**
- 9 - Winglet / nav. light / strobe / landing light /  
recognition light / taxi light ..... **Condition - Checked**
- 10 - Trailing edge static discharger ..... **Checked**  
(Condition / Number / Attachment)
- 11 - Aileron / spoiler ..... **Checked**  
(Condition / Free movement / Deflection)
- 12 - Flap ..... **Checked**  
(Condition / Play)
- 13 - Rear R.H. karman  
- Oxygen cylinder ..... **OPEN**  
- Oxygen quantity ..... **Checked**
- 14 - Oxygen pressure ..... **Checked**

### Fuselage rear section / Empennages (VI)

- 1 - ELT ..... **OFF**  
- ELT door ..... **Closed / Locked**
- 2 - Static pressure ports ..... **Clean - Checked**
- 3 - Ventral fins ..... **Checked**  
(Condition / Attachments)
- 4 - Inspection door under fuselage ..... **Closed - Checked**  
(Attachments)

## BEFORE STARTING ENGINE (1/2)

- 1 - Preflight inspection ..... Completed
- 2 - Cabin access door ..... Closed / Locked
- 3 - "Pilot" door (if installed) ..... Closed / Locked
- 4 - Baggage ..... Stowed
- 5 - Pilot seat and R.H. front seat (if occupied) ..... Adjusted

### CAUTION

**IT IS MANDATORY TO ADJUST SEATS IN FORE-AFT MOVEMENT WHEN SEAT IS IN MAXIMUM HIGH PERMISSIBLE POSITION, TO AVOID INTERFERENCE BETWEEN SIDE UPHOLSTERY PANEL AND SEAT HOUSING IN LOW AND INTERMEDIATE POSITIONS.**

- 6 - L.H and R.H. pedals ..... Adjusted
- 7 - Belts and harnesses (Pilot and passengers) ..... Fastened
- 8 - Crash lever ..... Down
- 9 - ELT ..... ARM
- 10 - "MICRO/MASK" micro inverter ..... MICRO
- 11 - De-ice systems ..... All OFF
- 12 - Park brake ..... ON
- 13 - Landing gear control ..... DN
- 14 - Pitch trim wheel ..... Checked
- 15 - "MAN OVRD" control ..... Backward

### CAUTION

**MAKE SURE THAT "MAN OVRD" CONTROL IS BACKWARD TO AVOID OVERTEMPERATURE RISK AT START.**

### CAUTION

**WHEN THE ENGINE IS SHUTDOWN, THE THROTTLE MUST NOT BE MOVED INTO THE REVERSE AREA.**

- 16 - Throttle ..... CUT OFF
- 17 - Flaps control ..... UP
- 18 - Fuel tank selector ..... L or R
- 19 - "BLEED" switch ..... OFF/RST
- 20 - "DUMP" switch ..... Guarded
- 21 - "A/C" switch ..... OFF
- 22 - "ALTERNATE STATIC" selector ..... Pushed

**BEFORE STARTING ENGINE (2/2)**

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| 23 - "EMERGENCY RAM AIR" control knob ..... | <b>Pushed</b>                                   |
| 24 - Circuit breakers .....                 | <b>All pushed</b>                               |
| 25 - "ESS BUS TIE" switch .....             | <b>Guarded</b>                                  |
| 26 - "AP / TRIMS" switch .....              | <b>OFF</b>                                      |
| 27 - "FUEL SEL" selector .....              | <b>MAN</b>                                      |
| 28 - "AUX BP" switch .....                  | <b>OFF</b>                                      |
| 29 - "IGNITION" switch .....                | <b>AUTO</b>                                     |
| 30 - "STARTER" switch .....                 | <b>OFF</b>                                      |
| 31 - "DIMMER" switch .....                  | <b>OFF</b>                                      |
| 32 - "CABIN" switch .....                   | <b>OFF</b>                                      |
| 33 - "ACCESS" switch .....                  | <b>OFF</b>                                      |
| 34 - "PANEL" rheostat .....                 | <b>Fully turned to the left</b>                 |
| 35 - All lights .....                       | <b>OFF</b>                                      |
| 36 - Crash lever .....                      | <b>UP</b>                                       |
| 37 - "GENERATOR" selector .....             | <b>MAIN</b>                                     |
| 38 - Battery voltage .....                  | <b>Checked</b>                                  |
| 39 - "SOURCE" selector .....                | <b>BATT (battery start)<br/>GPU (GPU start)</b> |
| 40 - Park Brake .....                       | <b>ON</b>                                       |
| 41 - "PASSENGERS OXYGEN" switch .....       | <b>OFF</b>                                      |
| 42 - Pilot's "OXYGEN" switch .....          | <b>ON</b>                                       |
| 43 - Front oxygen masks .....               | <b>Checked</b>                                  |
| 44 - Fuel .....                             | <b>Checked</b>                                  |
| 45 - Engine parameters .....                | <b>Checked</b>                                  |
| 46 - LFE selection .....                    | <b>Done</b>                                     |

## AFTER STARTING ENGINE

### CAUTION

#### GENERATOR LOAD < 200 AMPS

- 1 - PFD 1, MFD and PFD 2 ..... NORMAL mode
- 2 - "GENERATOR" selector
  - On "MAIN" ..... Voltage and current checked

#### when current $\leq$ 50 amps :

- on "ST-BY" ..... Voltage and current checked  
(reset if necessary)
  - then again on "MAIN"
- 3 - "AP / TRIMS" switch ..... ON
- 4 - Oxygen supply ..... Available for the planned flight  
(see tables of paragraph "IN-FLIGHT AVAILABLE  
OXYGEN QUANTITY" in Chapter 4.4  
and Chapter 7.10 for a FAR 135 type operation)
- 5 - PFD 1, MFD and PFD 2
  - Brightness ..... Adjust if necessary
  - DISPLAY BACKUP button ..... Check  
then return to NORMAL mode

#### When ammeter < 100 A :

- 6 - ECS panel
  - "BLEED" switch ..... AUTO
  - "A/C" switch ..... AUTO
  - PRES MODE ..... AUTO
  - "CONTROL" selector ..... As required
  - "TEMP/°C" selectors ..... Adjust
  - "HOT AIR FLOW" distributor ..... As required
- 7 - Stand-by instruments ..... Checked
- 8 - Flight prepared on PFD, MFD
- 9 - Altimeter setting ..... Checked
- 10 - AP / TRIMS ..... Checked / Set
- 11 - DE ICE SYSTEM panel ..... Checked
- 12 - "INERT SEP" switch ..... ON

## CRUISE

- 1 - Throttle ..... **Adjust**

### CAUTION

**OBSERVE TRQ / Ng / Np / ITT / T° AND OIL PRESSURE LIMITATIONS.**

**USE OPTIMUM TORQUE AND / OR REFER TO TABLES IN CHAPTER 5.8.**

- 2 - Pressurization ..... **Check**

- 3 - Fuel

- Gages ..... **Check**

### **REGULARLY CHECK :**

- . consumption
- . expected fuel at destination

### **Pre-MOD70-0402-28**

- . tank automatic change (every 10 minutes)

### **Post-MOD70-0402-28**

- . tank automatic change (every 5 minutes)

### **All**

- . symmetry [max. dissymmetry 15 USG (57 Litres)]

- 4 - Cruise parameters / engine data ..... **Check / Record**

- 5 - DE ICE SYSTEM ..... **As required**  
**Refer to Chapter 4.5 "PARTICULAR PROCEDURES"**

### CAUTION

**IF HEAVY PRECIPITATION, TURN IGNITION AND INERT SEP ON.**