

### B1.5.13 Normal Procedures – Pre-Flight Checklists

#### B1.5.13.1 Airframe External Inspection

##### **Cabin**

All Doors ..... UNLOCKED

*Both cabin doors, and the baggage compartment door.*

Control Lock ..... REMOVED

Flight Controls ..... FULL FREE & CORRECT SENSE

*Check that the control yoke moves smoothly, is full and free and that the controls are working in the correct sense.*

Trims ..... CHECKED and SET

*Check full travel*

Parking Brake ..... ON

Magneto Switches ..... OFF

Mixtures ..... CUT-OFF

Landing Gear Handle ..... DOWN

Electrical Switches ..... OFF

Cowl Flaps ..... OPEN

Battery Switch ..... ON

Flaps ..... FULL

Fuel Quantity ..... CHECKED

Battery Switch ..... OFF

Emergency Gear Extension Tool ..... STOWED

Proceed with the external pre flight inspection moving clockwise around aircraft.

#### B1.5.13.2 L.H. Wing

Flap ..... CHECKED

*Check general condition and security.*

Fuel Vent ..... CHECKED

*Un-obstructed*

Aileron ..... CHECKED

*Check general condition and freedom of movement.*

Wing tip & Nav Lights ..... CONDITION

Landing Light & Taxi Light ..... CHECKED

Wing ..... CONDITION

Pitot Cover ..... REMOVED

Pitot Head ..... CONDITION / SECURITY

Stall Warning Vane ..... CONDITION

Fuel Tank ..... CHECK LEVEL

*The level, if less than full, can be read off a gauge plate located on the aft wall of the tank directly behind the tank cap opening.*

Fuel Tank Cap ..... SECURE

Fuel Tank Drain ..... FUEL CHECKED

*Fuel free of water and sediment.*

Fuel Tank Drain ..... CHECK CLOSED

Engine Fuel Drain ..... FUEL CHECKED

*Fuel free of water and sediment.*

Tie-down and Chocks ..... REMOVE

Engine Cowling ..... CHECK CONDITION AND SECURITY

|                             |              |   |
|-----------------------------|--------------|---|
| Air Intakes .....           | CLEAR        |   |
| Propeller .....             | CHECKED      | <i>Examine for nicks, security, and oil leaks</i>   |
| Oil .....                   | CHECKED      | <i>Check quantity, cap, and door secure</i>   |
| Cowl Flap .....             | CHECKED      |   |
| Undercarriage.....          | CHECKED      | <i>Check the condition of the wheel well,<br/>gear door, tyre , brake line, and strut</i> |
| Cross-feed Fuel Drains..... | FUEL CHECKED | <i>Check both</i>   |

### B1.5.13.3 Forward Fuselage

|                                    |         |  |
|------------------------------------|---------|--|
| Windshield and Window Panels ..... | CLEAN   | <i>Ensure they are clean.</i>  |
| Nose Cowling and Nose Cone .....   | CHECKED | <i>Condition and security</i>  |
| Brake Fluid .....                  | CHECKED | <b><i>If there is an access door to check via.</i></b>                       |
| Heater Air Intake .....            | CLEAR   |  |
| Heater Exhaust and Vents.....      | CLEAR   |  |
| Undercarriage.....                 | CHECKED | <i>Check the condition of the wheel well,<br/>gear door, tyre, and strut</i> |

### B1.5.13.4 R.H. Wing, Engine and Main Landing Gear

Check as per the Left side.

### B1.5.13.5 R.H. Rear Fuselage

|                    |         |   |
|--------------------|---------|---|
| Static Port.....   | CHECKED | <i>Cover removed, unobstructed and clean.</i> |
| Window Panels..... | CLEAN   |   |

### B1.5.13.6 Empennage

|                                     |           |  |
|-------------------------------------|-----------|--|
| Fin .....                           | CONDITION |  |
| Rudder.....                         | CHECK     | <i>Check control, hinges, deflection, play,<br/>friction or binding.</i>   |
| Stabilator and Trim Tab Hinges..... | CHECK     | <i>These are too high to permit a detailed<br/>inspection.<br/>Standing under the elevator to see the<br/>hinges, followed by standing to the rear<br/>of the aircraft and looking over the top of<br/>the elevator are all that is practical.</i> |
| Tail Cone & Navigation Light .....  | CONDITION |  |
| Tie Down .....                      | REMOVED   |  |