

## AIRCRAFT PREPARATION.....COMPLETED (ACCORDING AFM)

### PREFLIGHT CHECK

|    |                                      |                     |   |
|----|--------------------------------------|---------------------|---|
| 1. | Aircraft prep. & outside check ..... | COMPLETED .....     | 1 |
| 2. | Aircraft papers .....                | CHECKED .....       | 2 |
| 3. | Aircraft log .....                   | CHECKED .....       | 3 |
| 4. | Cabin .....                          | CHECKED .....       | 4 |
| 5. | Loadsheet .....                      | WITHIN LIMITS ..... | 5 |

### **PREFLIGHT CHECK COMPLETED**

### CHECK BEFORE ENGINE START

|     |                              |                       |    |
|-----|------------------------------|-----------------------|----|
| 1.  | Parking brake .....          | SET .....             | 1  |
| 2.  | Seat belts & harness .....   | FASTENED .....        | 2  |
| 3.  | Emergency parachute .....    | READY .....           | 3  |
| 4.  | Electrical consumers .....   | OFF .....             | 4  |
| 5.  | Circuit breakers .....       | CHECKED .....         | 5  |
| 6.  | Avionics master switch ..... | OFF .....             | 6  |
| 7.  | Battery master .....         | ON .....              | 7  |
| 8.  | Fuel quantity .....          | LT, ENDURANCE .....   | 8  |
| 9.  | Fuel valve .....             | OPEN .....            | 9  |
| 10. | Throttle .....               | IDLE .....            | 10 |
| 11. | Cabin doors .....            | CLOSED & LOCKED ..... | 11 |

### **CHECK BEFORE ENGINE START COMPLETED**

### ENGINE START

|     |                            |                     |    |
|-----|----------------------------|---------------------|----|
| 1.  | Anti collision light ..... | ON .....            | 1  |
| 2.  | Carburetor heat .....      | AS REQUIRED .....   | 2  |
| 3.  | Choke .....                | AS REQUIRED .....   | 3  |
| 4.  | Fuel pump .....            | ON .....            | 4  |
| 5.  | Throttle .....             | 0.3 cm .....        | 5  |
| 6.  | Propeller area .....       | CLEAR .....         | 6  |
| 7.  | Ignition key .....         | START, MAX 5" ..... | 7  |
| 8.  | Throttle .....             | SET 2200 RPM .....  | 8  |
| 9.  | Oil pressure .....         | MIN 2.0 .....       | 9  |
| 10. | Choke .....                | OFF .....           | 10 |

### **ENGINE START COMPLETED**

**CHECK AFTER ENGINE START**

|    |                                  |                             |   |
|----|----------------------------------|-----------------------------|---|
| 1. | Alternator output.....           | CHECKED, RED LIGHT OFF..... | 1 |
| 2. | Fuel pump.....                   | OFF, PRESSURE CHECKED.....  | 2 |
| 3. | Ventilation, heater.....         | AS REQUIRED.....            | 3 |
| 4. | Nav lights.....                  | ON.....                     | 4 |
| 5. | Avionic master switch.....       | ON.....                     | 5 |
| 6. | Flight instruments.....          | SET & CHECKED.....          | 6 |
| 7. | Engine instruments.....          | CHECKED.....                | 7 |
| 8. | Avionics COM, NAV, GPS, SSR..... | SET & PRESELECTED.....      | 8 |
| 9. | FLARM.....                       | ON.....                     | 9 |

***CHECK AFTER ENGINE START COMPLETED*****TAXI CHECK**

|    |                        |              |   |
|----|------------------------|--------------|---|
| 1. | Brakes & steering..... | CHECKED..... | 1 |
| 2. | Gyro instruments.....  | CHECKED..... | 2 |

***TAXI CHECK COMPLETED*****RUN UP**

|    |                                   |                         |   |
|----|-----------------------------------|-------------------------|---|
| 1. | Parking brake.....                | SET.....                | 1 |
| 2. | Oil temperature.....              | CHECKED ABOVE 50°C..... | 2 |
| 3. | Zone behind aircraft.....         | CLEAR.....              | 3 |
| 4. | Throttle.....                     | SET 4000 RPM.....       | 4 |
| 5. | Magnetos (L-B-R-L-B).....         | CHECKED.....            | 5 |
| 6. | Carburetor heat.....              | CHECK FUNCTION.....     | 6 |
| 7. | Engine instruments & ammeter..... | CHECKED.....            | 7 |
| 8. | Throttle idle.....                | CHECKED.....            | 8 |
| 9. | Throttle.....                     | SET 2200 RPM.....       | 9 |

***RUN UP COMPLETED*****\*\*Departure briefing\*\*****CHECK BEFORE DEPARTURE**

|     |                                    |                        |    |
|-----|------------------------------------|------------------------|----|
| 1.  | Fuel pump.....                     | ON.....                | 1  |
| 2.  | Fuel quantity.....                 | LT, ENDURANCE.....     | 2  |
| 3.  | Fuel valve.....                    | OPEN.....              | 3  |
| 4.  | Carburetor heat.....               | AS REQUIRED.....       | 4  |
| 5.  | Magnetos.....                      | BOTH.....              | 5  |
| 6.  | Trim.....                          | SET FOR DEPARTURE..... | 6  |
| 7.  | Flaps.....                         | SET FOR DEPARTURE..... | 7  |
| 8.  | Cooling flap.....                  | OPEN.....              | 8  |
| 9.  | Flight instruments & avionics..... | SET FOR DEPARTURE..... | 9  |
| 10. | Cabin & pax.....                   | SECURED.....           | 10 |
| 11. | Flight controls.....               | FREE & CORRECT.....    | 11 |
| 12. | Departure briefing.....            | COMPLETED.....         | 12 |

***CHECK BEFORE DEPARTURE COMPLETED***

**LINE UP CHECK**

- |    |                               |                      |   |
|----|-------------------------------|----------------------|---|
| 1. | Doors.....                    | CLOSED & LOCKED..... | 1 |
| 2. | Time .....                    | NOTED.....           | 2 |
| 3. | Approach sector & runway..... | CLEAR .....          | 3 |
| 4. | Landing light .....           | ON .....             | 4 |

**LINE UP CHECK COMPLETED****CLIMB CHECK**

- |    |                   |            |   |
|----|-------------------|------------|---|
| 1. | Flaps.....        | UP .....   | 1 |
| 2. | Climb power.....  | SET .....  | 2 |
| 3. | Cooling flap..... | OPEN ..... | 3 |

**CLIMB CHECK COMPLETED****CRUISE CHECK**

- |    |                         |                           |   |
|----|-------------------------|---------------------------|---|
| 1. | Altimeter .....         | CHECKED (STD / QNH) ..... | 1 |
| 2. | Cruise power .....      | SET .....                 | 2 |
| 3. | Cooling flap.....       | AS REQUIRED.....          | 3 |
| 4. | Engine instruments..... | CHECKED.....              | 4 |
| 5. | Fuel quantity .....     | LT, ENDURANCE.....        | 5 |

**CRUISE CHECK COMPLETED****\*\*ATIS / AD information\*\*****\*\*Approach briefing\*\*****DESCENT CHECK**

- |    |                             |                             |   |
|----|-----------------------------|-----------------------------|---|
| 1. | ATIS or AD information..... | NOTED / NOT AVAILABLE ..... | 1 |
| 2. | Approach briefing .....     | COMPLETED .....             | 2 |
| 3. | Avionics .....              | SET & CHECKED.....          | 3 |
| 4. | Circuit breakers .....      | CHECKED.....                | 4 |
| 5. | Cooling flap.....           | AS REQUIRED.....            | 5 |
| 6. | Cabin & pax.....            | SECURED.....                | 6 |

**DESCENT CHECK COMPLETED****APPROACH CHECK**

- |    |                       |                    |   |
|----|-----------------------|--------------------|---|
| 1. | Altimeter .....       | QNH SET .....      | 1 |
| 2. | Landing light .....   | ON.....            | 2 |
| 3. | Fuel pump.....        | ON.....            | 3 |
| 4. | Fuel quantity .....   | LT, ENDURANCE..... | 4 |
| 5. | Carburetor heat ..... | AS REQUIRED.....   | 5 |

**APPROACH CHECK COMPLETED**

**LANDING CHECK**

|                          |                       |   |
|--------------------------|-----------------------|---|
| 1. Flaps.....            | SET FOR LANDING ..... | 1 |
| 2. Brakes .....          | CHECKED & CLEAR.....  | 2 |
| 3. Carburetor heat ..... | AS REQUIRED.....      | 3 |

**LANDING CHECK COMPLETED**
**AFTER LANDING CHECK**

|                        |                  |   |
|------------------------|------------------|---|
| 1. Transponder .....   | STBY .....       | 1 |
| 2. FLARM .....         | AS REQUIRED..... | 2 |
| 3. Landing light ..... | AS REQUIRED..... | 3 |
| 4. Fuel pump.....      | OFF .....        | 4 |
| 5. Flaps.....          | UP .....         | 5 |
| 6. Time .....          | NOTED.....       | 6 |

**AFTER LANDING CHECK COMPLETED**
**ENGINE SHUT DOWN AND PARKING**

|                                  |                        |    |
|----------------------------------|------------------------|----|
| 1. Parking brake .....           | SET .....              | 1  |
| 2. Carburetor heat .....         | OFF .....              | 2  |
| 3. Throttle .....                | SET 2200 RPM.....      | 3  |
| 4. 121.5 .....                   | CHECKED.....           | 4  |
| 5. Avionic master switch .....   | OFF .....              | 5  |
| 6. Electrical consumers .....    | OFF .....              | 6  |
| 7. Throttle .....                | IDLE .....             | 7  |
| 8. Magnetos.....                 | OFF, KEY REMOVED ..... | 8  |
| 9. Anti-collision light.....     | OFF .....              | 9  |
| 10. Flight data & documents..... | NOTED.....             | 10 |
| 11. Battery master .....         | OFF .....              | 11 |
| 12. Emergency parachute .....    | LOCKED.....            | 12 |
| 13. Aircraft.....                | TO BE SECURED .....    | 13 |

**PARKING CHECK COMPLETED**
**SPEEDS**

|                               |                |                                                          |                 |
|-------------------------------|----------------|----------------------------------------------------------|-----------------|
| <b>V<sub>x</sub></b>          | <b>55 KIAS</b> | <b>V<sub>FE</sub> (Full Flaps)</b>                       | <b>78 KIAS</b>  |
| <b>V<sub>y</sub></b>          | <b>60 KIAS</b> | <b>V<sub>FE</sub> (Flaps 15°) other pos. see AFM 2.3</b> | <b>113 KIAS</b> |
| <b>V<sub>cc</sub></b>         | <b>80 KIAS</b> | <b>V<sub>initial approach</sub></b>                      | <b>80 KIAS</b>  |
| <b>V<sub>A</sub></b>          | <b>88 KIAS</b> | <b>V<sub>intermediate approach</sub></b>                 | <b>65 KIAS</b>  |
| <b>V<sub>best glide</sub></b> | <b>60 KIAS</b> | <b>V<sub>final</sub> (Full Flaps)</b>                    | <b>60 KIAS</b>  |
|                               |                | <b>Crosswind component max.</b>                          | <b>15 KTS</b>   |

**Wind increments on Final: for wind  $\geq 10$  kts, add 1/3 of headwind comp or full wind gust spread, whichever is higher, to V<sub>final</sub>**