

## EC 120 B Colibri

### ENGINE PRESTART CHECK

#### Fuel quantity : as required

1. Seats adjusted
2. Seat belts fastened
3. Heating / demisting OFF
4. Rotor brake FWD
5. Fuel shutt-off FWD and lockwired
6. BATT and GENE ON (22 – 24 volts)
7. Light test completed
8. Engine fire test completed
9. Warning panel **GENE PITOT FUEL P HORN**  
**ENG P MGB P TWG HYDR**
10. VEMD engine page displayed
11. Control pedals freedom of travel, neutral
12. Collective pitch locked
13. Cyclic neutral – friction ON
14. TWG **shutt-off position**

#### Briefing before departure completed

### ENGINE STARTING

1. Booster pump ON (30 seconds)  
**FUEL P** goes out
2. A/C & PSTN light ON
3. T4 < 150° (if not : check AFM)
4. TWG start position (**white mark**)
5. Starter depress (temp rises)
6. TWG monitor T4 (700°)
7. Ng = 50% release starter
8. TWG FLIGHT position  
**maintain Tq < 40%**
9. Check that **ENG P HYDR MGB P** lights go out
10. NR ~ 350 RPM HORN ON, check aural warning  
check **HORN** goes out
11. TWG FLIGHT position, **TWG** goes out

## RUN UP CHECK

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Pitot heat               | ON, <b>PITOT</b> goes out |
| 2. <b>Booster pump</b>      | <b>OFF</b>                |
| 3. All necessary systems    | ON, tested                |
| 4. Hydraulic accumulator    | CHECK                     |
| 5. Hydraulic shutt-off test | CHECK                     |

### Briefings and checks before departure

## ENGINE AND ROTOR SHUTDOWN

- |                            |                       |
|----------------------------|-----------------------|
| 1. Cyclic                  | neutral – friction ON |
| 2. Collective pitch        | locked                |
| 3. Pitot, Horn & LDG light | OFF                   |
| 4. TWG                     | GROUND IDLE position  |

**Wait 1 minute 63% < NG < 68%**

- |                             |                    |
|-----------------------------|--------------------|
| 5. GENE                     | OFF                |
| 6. All systems, except BATT | OFF                |
| 7. TWG                      | shut-off position  |
| 8. Rotor brake              | apply 150 RPM max. |
| 9. A/C light                | OFF                |

### VEMD check : NG and NF cycles

- |           |                         |
|-----------|-------------------------|
| 10. Check | 121.5 (emergency freq.) |
| 11. BATT  | OFF                     |