

# Checklist

## AS 350 B3



### Cockpit Preparation

1. Outside check ..... completed
2. Helicopter documents ..... checked
3. Seats and pedals ..... adjusted
4. Seat belts ..... fastened
5. AUTO/MAN selector ..... AUTO
6. Starting selector ..... off
7. Altimeter ..... set
8. Instruments ..... static or zero
9. COM / NAV / Transponder ..... off
10. Switches ..... all off
11. Frictions ..... adjusted
12. Collective ..... down and locked
13. Hydraulic switch ..... on
14. Fuel shut-off lever ..... forward and secured
15. Rotor brake ..... forward released
16. Heating system ..... off
17. Battery ..... on, min 24 Volt
18. Boost pump ..... on for min. 15-20 sec.
19. Generator ..... on
- 20: Horn ..... on to test
20. Warning lights ..... tested  
**(HYD, GEN, MGB P, PITOT, ENG P, Horn remains illuminated)**
21. Fire push button ..... "Fire" illuminates
22. Horn ..... off

23. Anti-collision light ..... on
24. Position light .....as required
25. HYD TEST ..... on for 2 sec., center pedal to neutral
26. Instrument lights.....as required
27. Twist grip ..... flight notch, flight stop
28. VEMD ..... check eng.oil temp/press and fuel qty
29. GOV warning light (red and amber)..... out

### **Starting Engine**

1. Start-up clearance (if necessary) ..... received
2. Rotor..... free
3. Area.....clear
4. Starting selector.....IDLE
5. Ng..... increases
6. T4 ..... rises within limits
7. Rotor starts to turn ..... checked
8. Engine oil pressure ..... increases
9. Warning lights .....all out, exc. HORN / PITOT
10. Moving terrain (first MT switch, then power sw.)..... on
11. FM / COM / NAV / Transponder ..... on and set
12. Fuel boost pump ..... off, blue light off
13. Hyd. accumulator test ..... checked\*
14. Hyd. isolation test..... checked\*
15. Pitot heat ..... on
16. Gyros (Att ind./DG) ..... on

- 17. Starting selector.....FLIGHT, close guard
- 18. Horn..... on

**Note:**

1. To obtain zero thrust at the tail rotor on the ground, it is necessary to push LH pedal approx. 2 cm.
2. In strong wind, apply a little forward cyclic.
3. If the starting cycle has to be aborted, return the start switch to the closed position and switch off the booster pump and the generator.
4. \* For Hydraulic accumulator test and isolation check, refer to system check.

**\* System Checks**

**a.) Hydraulic accumulator test**

1. Collective ..... locked
2. Hydraulic pressure test button..... push to test
3. HYD light / Horn ..... illuminated / sounds
4. Move cyclic stick 2 or 3 times on each axis  $\pm$  10% of total travel, check for hydraulic assistance by absence of control load
5. Hydraulic pressure test button..... release
6. Hydraulic light .....extinguished

**b.) Hydraulic isolation test**

1. Collective ..... down and locked
2. Hydraulic switch (collective) ..... off
3. HYD light ..... on, gong sounds
4. Control load on cyclic stick ..... felt immediately
5. Control load on pedals ..... remain low
6. Hydraulic switch (collective) ..... on
7. HYD light ..... extinguished

**Check before Take-off**

1. Heater ..... off
2. Starting selector ..... FLIGHT / guard closed
3. Frictions ..... off
4. Rotor RPM ..... green arc
5. Fuel quantity ..... checked
6. Instruments ..... green arc
7. Warning lights ..... all out
8. Landing light ..... on

**Hover Check**

1. Rotor RPM ..... green arc
2. Torque/T4/Ng ..... within limits
3. Wind ..... checked
4. Departure sector ..... clear

**Climb Check**

- 1. Torque/Ng/T4..... within Limits
- 2. Airspeed ..... 65 kt
- 3. Vertical speed ..... positive

**Check for Approach**

- 1. Heater..... off
- 2. Fuel quantity ..... checked
- 3. Rotor RPM..... green arc
- 4. Instruments ..... green arc
- 5. Warning light..... off
- 6. Landing light ..... on

**Final Check**

- 1. Airspeed ..... 30 kt.
- 2. Rate of descent..... < 500 ft/min
- 3. Decision.....Land or go around



## Engine Shut Down

1. Collective ..... full down and locked
2. Frictions ..... on
3. Horn ..... off
4. Landing light ..... off
5. Starting selector ..... IDLE, for 30 seconds
6. Moving terrain power switch ..... reset, then off
7. FM / COM / NAV / Transponder ..... off
9. Position lights ..... off
10. Pitot heat ..... off
11. MT switch ..... off
12. Gyros (Att / DG) ..... off
13. Starting selector ..... OFF
14. Rotor brake ..... apply as required below 140 RRPM
15. Rotor ..... stopped
16. Instrument lights ..... off
17. HYD TEST button ..... press for 1-2 sec. to center pedals
18. Anti collision light ..... off
19. Generator ..... off
20. Battery ..... off