

SECTION 3—OPERATIONAL READINESS PROCEDURES**NORMAL START****Normal starting procedures**

NOTE: Normal check list to be followed up to "Normal Starting Checks" except:—

Wing and fuselage pumps	On
u/w nitrogen	Off

Additional checks before leaving aircraft

- | | |
|---|---|
| 1. Periscope | In position and retracted |
| 2. Manual trimmers | Set to TAKE-OFF |
| 3. Cockpit lamps | ON |
| 4. External lights | ON |
| 5. Taxi lamps | EXTENDED. Filaments off |
| 6. JPT fuel control | ISOLATE |
| 7. Flowmeters | BYPASS |
| 8. G4B | 1st Pilot and SYNCHRON-
ISED, set heading pointer
to aircraft heading |
| 9. Zero reader | Checks. Set runway heading
and 5° up |
| 10. Equipment | Off. Inverters off |
| 11. Instrument master switch | Off |
| 12. 96 v. battery | Off/white |
| 13. 24 v. battery | Off/white |
| 14. Engine start selector | No. 3. Starter-master switch to
START |
| 15. DV panels | Closed |
| 16. Fuselage pumps | ON. Transfer off |
| 17. Pitot heaters | ON |
| 18. Leave harness laid out for Scramble | |
| 19. Seat-pan firing handle pins | Removed. Hood detonator
master switch pin out and
stowed. Switch SAFE |
| 20. Swivel seat pip-pins | In |
| 21. Leave aircraft | Lock door |
| 22. Crew Chief replaces pitot covers and static bungs | |
| 23. Crew Chief switches off external power | |

(continued)

Scramble start

1. Co-pilot Receives pitot covers and static bungs from ground crew
2. Co-pilot Checks u/w nitrogen ON, nose caps locked
3. 24 v. battery ON and black
4. Instrument master switch ON
5. AEO Check external power ON
6. Start engines
7. Commence strapping in
8. Plotter removes main seat and oxygen pins. Hood detonator master switch live
9. Compass Check
10. Bomb doors CLOSED and black
11. 96 v. battery ON and black
12. Start master switch SAFE
13. External power Removed
14. Generators 1, 2 and 3 ON. Lights out
15. Rotary transformers 1 and 2 ON. Lights out
16. Entrance door handle Vertical, indicator black
17. Taxi lamps As required
18. Chocks away External intercomm. out
19. Hydraulic pressures Normal
20. Taxi—when instructed by marshaller

Taxy and take-off

1. Pitot head heaters ON
2. Brakes and hydraulic pressures Check
3. Engine and flight instruments Check
4. Wing and fuselage pumps ON. Lights out
5. Controls Unlocked
6. Instrument master switch ON. Lights out
7. Controls Check movement and desyns
8. No. 3 inverter ON
9. Co-pilot's artificial horizon Erected

After take-off

See normal check list with the following additions:—

1. Oxygen All crew connected and flowing
2. Harnesses Secure. Leg restraining straps connected
3. Main and seat pan seat pins Removed. Hood detonator master switch live

CHECKS TO BRING AIRCRAFT BACK TO COMBAT READY AFTER A NORMAL START AND/OR TAXYING

- | | |
|--|---|
| 1. Pitot head heaters | Off |
| 2. Power controls | 4 red lights. Lock controls |
| 3. Bomb doors | As required |
| 4. Check idling | HP cocks CLOSED. Rotary
transformers off |
| 5. Instrument master switch | Off |
| 6. Generator warning lights | On. Switches off |
| 7. 96 v. battery | Off/white |
| 8. Engine start selector | No. 3 |
| 9. Starter master switch | START |
| 10. Main seat pins | In |
| 11. Emergency oxygen pins | In |
| 12. No. 4 generator and No. 3 trans-
former | ON |
| 13. 24 v. battery | Off/white |
| 14. Leave harness laid out for scramble . | |
| 15. Leave aircraft | Lock door |

External

- | | |
|---|------------------------------|
| 1. u/w nitrogen | Off. Recharge if necessary |
| 2. External power | Plugged in, but switched off |
| 3. Pitot head covers and static bungs . | Replaced |

NOTES

1. These checks also apply after a simultaneous start and/or taxiing.
2. If the aircraft is removed from Operational readiness then the secondary handle firing pins *must* be inserted.

SIMULTANEOUS START

Simultaneous start—No. PE set

Alert condition 15

Carry out normal seated and strapped-in, left to right and up to Normal Starting Checks with the following exceptions :—

u/w nitrogen	OFF
All generator switches	ON
All rotary transformers	OFF
Undercarriage safety guard	Replaced
Pitot covers	ON
Pitot heaters	OFF

Additional checks before leaving aircraft

1. Periscope In position and retracted
2. Manual trimmers Set to TAKE-OFF
3. Cockpit lights On
4. External lights On
5. Taxi lights EXTENDED. Filaments off
6. JPT fuel control ISOLATE
7. Flowmeters BYPASS
8. G4B 1st PILOT AND SYN-
CHRONISED. Set heading
pointer to aircraft heading
9. Zero reader Checks. Set runway heading
and 5° up
10. Equipment Off. Inverters off
11. Instrument master switch Off
12. 96 v. battery Off/white
13. 24 v. battery Off/white
14. Starter master switch SAFE
15. DV panels Closed
16. Wing and fuselage pumps ON. Transfer off
17. Pitot head heaters ON
18. Leave harness laid out for scramble
19. Seat-pan firing handle pins Removed. Hood detonator
master switch pin out and
stowed. Switch SAFE
20. Swivel seat pip-pins In
21. Leave aircraft, lock door
22. Crew Chief replaces pitot covers and
static bungs
23. Crew Chief removes external power

(continued)

Alert condition 05

(external 28 v. available from rectifier)

- | | |
|---|---|
| 1. Co-pilot | Receives pitot covers and static bungs from ASC |
| 2. Co-pilot | Checks u/w nitrogen ON, nose caps closed and locked |
| 3. Undercarriage safety guard | Removed |
| 4. 24 v. battery | ON/Black |
| 5. Instrument master switch | ON |
| 6. No. 2 inverter | ON |
| 7. Plotter | Removes main seat and oxygen pins, hood detonator LIVE |
| 8. Bomb doors | CLOSED (these will close by gravity leaving deflector open) |
| 9. Compasses | Heading pointer lined up with aircraft heading |
| 10. Entrance door | Closed, indicator black |
| 11. Pitot heaters | ON for maximum of 1½ hours |

Alert condition 05

(no external 28 v. supply)

- | | |
|---|--|
| 1. Co-pilot | Receives pitot covers and static bungs from ASC |
| 2. Co-pilot | Checks u/w nitrogen ON, nose caps closed and locked |
| 3. Undercarriage safety guard | Removed |
| 4. Plotter | Removes main seat and oxygen pins, hood detonator master switch LIVE |
| 5. Bomb door switch | CLOSED |
| 6. Compass | Heading pointer lined up with aircraft heading |
| 7. Entrance door | Closed |

Alert condition 02

(ASC presses sim-start buttons in sequence)

- | | |
|---|--|
| 1. 24 v. battery | ON/Black |
| 2. 96 v. battery | ON/Black |
| 3. No. 2 inverter | ON |
| 4. Instrument master switch | ON |
| 5. At approximately 500 RPM | OPEN HP cocks |
| 6. When current flow warning lights out | Starter trolley removed |
| 7. At 2,500 RPM | Generators ON, lights out, rotary transformer ON, lights out |

(continued)

- | | |
|-----------------------------------|--------------------------|
| 8. Bomb doors | CLOSED, indicators black |
| 9. No. 3 inverter | ON |
| 10. Hydraulic pressures | Normal |
| 11. Entrance door | Indicator black |
| 12. Taxi when instructed | |

Taxy and take-off checks

- | | |
|---|---|
| 1. Controls | UNLOCKED, lever fully forward and engaged |
| 2. Instrument master switch | On, PFCU lights out |
| 3. Controls | Check movement and desyns |
| 4. Brakes and hydraulic pressures | Check |
| 5. Engine and flight instruments | Check |
| 6. Fuselage and wing pumps | Check ON, LP lights out |

After take-off

See normal check list with the following additions:—

- | | |
|--|--|
| 1. Oxygen | All crew connected and flowing |
| 2. Harnesses | Secure. Leg restraining straps connected |
| 3. Main and secondary seat pins | Removed. Hood detonator master switch LIVE |
| 4. AEO monitors battery ammeter charging rates | |

**CHECKS TO BRING AIRCRAFT BACK TO COMBAT
READY AFTER A SIMULTANEOUS START
AND/OR TAXYING**

- | | |
|--|----------------------|
| 1. Pitot head heaters | Off |
| 2. Seat pins | In |
| 3. Power control motors | Trip |
| 4. Check 4 red lights lock controls | |
| 5. Bomb doors | As required |
| 6. Throttle back, check idling | |
| 7. HP cocks | CLOSED |
| 8. Instrument master switch | Off |
| 9. As warning lights come on, all generators and rotary transformers off | |
| 10. 96 v. battery | Off, indicator white |
| 11. Pitot head heaters | ON |
| 12. Leave harness laid out for scramble | |
| 13. 24 v. battery | Off, indicator white |
| 14. Leave aircraft, lock door | |

External checks

- | | |
|---|----------------------------|
| 1. u/w nitrogen | Off, recharge if necessary |
| 2. Pitot head covers and static bungs | Replaced |

This file was downloaded
from the RTFM Library.
Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

