

A1-F18AC-NFM-500-DCSW NATOPS POCKET CHECKLIST

F/A-18C AIRCRAFT

Eagle Dynamics

THIS PUBLICATION IS BASED ON THE ACTUAL US NAVY F/A-18 CHECKLISTS, INTENDED TO BE USED ONLY WITH THE F/A-18C HORNET MODULE OF DCS WORLD. THIS CHECKLIST IS NOT INTENDED TO BE USED IN ACTUAL FLIGHT OPERATIONS.

DISTRIBUTION STATEMENT C. Distribution authorized to Eagle Dynamics and DCS World users determined on 4 JUN 2019.

DESTRUCTION NOTICE - Destroy by any method that will prevent disclosure of contents or deconstruction of the document.

ISSUED BY AUTHORITY OF THE CHIEF OF DCS NAVAL OPERATIONS AND UNDER THE DIRECTION OF THE COMMANDER, DCS NAVAL AIR SYSTEMS COMMAND

INTERIOR CHECK	2
ENGINE START	2
BEFORE TAXI	3
TAXI	4
BEFORE TAKEOFF	4
10,000 FEET	4
CRUISE CHECK	4
DESCENT/PENETRATION	4
APPROACH	5
AFTER LANDING	5
BEFORE ENGINE SHUTDOWN	5
ENGINE SHUTDOWN	5
AIR REFUELING	6

4 JUNE 2019

CREATED BY ROGUESQDN
(AN AIRMAN, NOT A SAILOR!)

INTERIOR CHECK

1. Harness and rudder pedals - SECURE/ADJUST
2. Ejection control handle - CLEAR
3. OBOGS control switch - OFF
4. OXY flow knob - OFF
5. OBOGS BIT plunger - VERIFY UNLOCKED AND FULLY EXTENDED

Left console -

1. Circuit breakers (4) - IN
2. Manual canopy handle - STOWED
3. Nuclear weapon consent switch - ENABLE
4. Mission computer and hydraulic isolate switches - NORM
5. Comm 1/IFF antennas - AUTO/BOTH
6. Communication panel - SET
7. Volume control panel - SET
8. GEN TIE control switch - NORM (guard down)
9. Gain switch - NORM
10. Refuel probe switch - RETRACT
11. External tanks switches - NORM
12. Dump switch - OFF
13. Internal wing switch - NORM
14. External lights - SET
15. Throttles - OFF
16. Parking brake - SET
17. Landing/taxi switch - OFF
18. Anti-skid switch - ON
19. Flap switch - FULL
20. Selective jettison knob - SAFE
21. Landing gear handle - DOWN
22. Canopy jettison handle - FORWARD

Instrument Panel -

1. Master arm switch - SAFE
2. FIRE and APU FIRE warning lights - NOT PRESSED
3. DDI, HI/MPCD, and HUD - OFF
4. Altitude source - SELECT
5. Attitude source - AUTO
6. Comm 1 and 2 knobs - OFF
7. ADF switch - OFF

8. ECM mode - OFF
9. Dispenser select knob/dispenser switch - OFF
10. Auxiliary release switch - NORM
11. Clock - CHECK AND SET
12. Standby attitude reference indicator - CAGE/LOCK
13. IR coolant switch - OFF
14. Spin recovery switch - GUARD DOWN/OFF

Right Console -

1. Circuit breakers (4) - IN
2. Arresting hook handle - UP
3. Wing fold handle - SAME AS WING POSITION
4. FCS cool switch - NORM
5. Radar altimeter - OFF
6. Generator switches - NORM
7. Battery switch - OFF
8. ECS system - SET
9. Windshield anti-ice switch - OFF
10. Interior lights - AS DESIRED
11. Sensors - OFF

ENGINE START

1. Battery switch - ON (if not previously ON)
2. Fire warning - TEST A and B
 - a. APU ACCUM caution light - OFF
3. APU switch - ON (READY light within 30 seconds)
4. Engine crank switch - R
5. Right throttle - IDLE (15% rpm minimum)
6. GPWS Voice Alerts - CHECK
7. DDI, HI/MPCD, HUD, and UFC avionics - ON
8. EMI/IFEI - CHECK
 - a. After engine start, it may be necessary to advance power above IDLE to get the ECS turbine started.

Ground idle 402 Engine -

N2	63 - 70%
EGT	190 - 590°C
Fuel flow	420 - 900 pph
Nozzle	73 - 84%
Oil pressure (warm oil)	45 - 110 psi

- b. Bleed air knob - CYCLE THRU OFF TO NORM
The bleed air shutoff valves close during the fire warning test and the bleed air knob must be cycled thru OFF to NORM with ac power on to reset the valves.
9. Warning and caution lights - TEST
For a crossbleed start, ensure APU switch is OFF and a minimum of 80% rpm and 1,900 pph fuel flow.
10. Engine crank switch - L
11. Left throttle - IDLE (15% RPM minimum)
12. Engine crank switch - CHECK OFF
13. EMI/IFEI - CHECK
14. External electrical power - DISCONNECT (if required)

BEFORE TAXI

1. Waypoint zero and magnetic variation - CHECK
2. Inertial navigation system - CV, GND (parking brake set) or IFA (functioning GPS)
3. Radar - OPERATE
4. Wingfold - SPREAD AND LOCK
5. FCS RESET button - PUSH
6. If wings are folded, verify aileron X's are present.

If no reset -

- a. T.O. trim button - PUSH
(note TRIM advisory)
- b. FCS exerciser mode - INITIATE
Lift FCS BIT consent switch and push FCS RESET button simultaneously.

If still no reset -

- c. FCS circuit breakers - PULL 4 CHANNELS
 - d. Wait 10 seconds
 - e. FCS circuit breakers - RESET
 - f. FCS RESET button - PUSH
7. FLAPS - AUTO
8. FCS RESET button and paddle switch - ACTUATE SIMULTANEOUSLY
9. FLAPS - HALF
10. FCS INITIATED BIT - PERFORM
11. TRIM - CHECK
12. T.O. trim button - PRESS UNTIL TRIM ADVISORY DISPLAYED
13. Flaps - AUTO
14. Controls - CHECK (tolerance for rudder and stabilator position is $\pm 1^\circ$)
 - a. Control stick - CYCLE
Full aft: 24 NU stabilator
Full fwd: 5 ND (PROM 8.5) 3 NU (\geq PROM 10.5.1)
R/L Aileron:
CHECK 20 units differential stabilator
CHECK differential trailing edge flaps
 - b. Flaps - HALF
 - c. Rudder pedals - CYCLE 30° left and right
15. Trim - SET FOR TAKEOFF
If takeoff trim is not set, full leading edge down stabilator movement may not be available and takeoff distance will increase.

16. Refueling probe, speed brake, launch bar, arresting hook, and pitot heat - CYCLE
(Launch bar optional for shore based operations)
17. OBOGS control switch - ON
18. OXY flow knob - ON
19. APU - VERIFY OFF
20. Fuel - BIT/SET BINGO
21. Altimeter - SET
22. Radar altimeter - ON
23. BIT - NOTE DEGD/FAIL
24. Weapons/sensors - AS REQUIRED
25. Standby attitude reference indicator - UNCAGE
26. OBOGS system - CHECK
Mask on, OBOGS DEGD caution - OFF

Momentarily press and release the OBOGS monitor pushbutton and verify:

- a. MASTER CAUTION - ON
- b. OBOGS DEGD caution - ON
- c. Helmet caution tone - ON

WARNING

Continued operation and use of the OBOGS system with an OBOGS DEGD caution may result in hypoxia.

26. Canopy either full up or full down during taxi.

TAXI

1. Normal brakes - CHECK
2. Nosewheel steering - CHECK

BEFORE TAKEOFF

1. Canopy - CLOSED
2. IFF - ON
3. INS - CHECK
4. Parking brake handle - FULLY STOWED
5. MENU checklist - COMPLETE
6. Engines - MIL CHECK (if desired)

Military power - 402 engine

N2	90 - 102%
EGT	715 - 880°C
Fuel flow	6000 - 12500 pph
Nozzle	0 - 48%
Oil pressure	95 - 180 psi
(warm oil)	
AB - Check if desired	

AFTER TAKEOFF

When definitely airborne -

1. Landing gear - UP
2. Flaps - AUTO

10,000 FEET

1. Cockpit altimeter - CHECK
2. Fuel transfer - CHECK
3. Radar altimeter low altitude/warning setting - CHECK/SET

CRUISE CHECK

1. Cabin pressurization/temperature - MONITOR

Aircraft Altitude	Cabin Altitude
30,000 ft	10,000 to 12,000 ft
40,000 ft	15,000 to 17,000 ft

DESCENT/PENETRATION

1. Engine anti-ice - AS DESIRED
2. Pitot heat - AUTO
3. Defog handle - HIGH
4. Windshield anti-ice/rain switch - AS DESIRED
5. Altimeter setting - CHECK
6. Radar altimeter - SET AND CHECK
7. HUD - Select NAV Master Mode, compare with standby flight instruments and standby compass
8. NAVAIDS - cross check

9. ARA-63 (ILS) - ON AND CHANNEL SET
10. IFF - AS DIRECTED
11. Weapons/sensors - AS REQUIRED

APPROACH

1. Landing checklist - COMPLETE

AFTER LANDING

When clear of active runway -

1. Ejection seat - SAFE
2. Landing gear handle mechanical stop - FULLY ENGAGED
3. Flap switch - AUTO
4. T.O. trim button - PUSH (note TRIM advisory)
5. Canopy either full up or full down.

BEFORE ENGINE SHUTDOWN

1. Parking brake - SET
2. BIT Display - RECORD DEGD
3. BLIN codes - RECORD
4. Radar maintenance codes - NOTE IF PRESENT
5. INS - PERFORM POST FLIGHT UPDATE
6. INS - OFF (10 seconds before engine shutdown)
7. Standby attitude reference indicator - CAGE/LOCK
8. Sensors, radar, avionics and VTRS - OFF
9. Comm 1 and 2 - OFF
10. Exterior and interior lights - OFF
11. OBOGS control switch - OFF
12. OXY flow knob - OFF
12. Canopy - OPEN

ENGINE SHUTDOWN

1. Brake gauge - 3,000 PSI
2. Nosewheel steering - DISENGAGE
3. Flaps - FULL

4. Throttle - OFF (alternate side)
5. Monitor engine rpm. As N2 rpm decreases below 7%, gently pump the stick approximately ± 1 inch fore and aft at approximately 2 cycles per second, decreasing hydraulic pressure on shutdown engine below 800 psi. Ensure system pressure on operating engine remains above 1500 psi. (Pressure must remain below 800 psi on shutdown engine for valid test.)
6. Continue pumping stick while monitoring FCS page for FCS X's and/or BLIN codes for 10 seconds after system pressure on shutdown engine drops below 800 psi. Record if present.
 - BLIN code 63 and/or rudder X's indicate a malfunctioning rudder switching valve and further maintenance action is required.
 - BLIN code 66 and/or aileron X's indicate a malfunctioning aileron switching valve and further maintenance action is required.
7. If only BLIN code 67 and/or LEF X's are present, attempt FCS RESET. Record results. (Recurring BLIN code 67 and/or LEF X's after FCS RESET indicates a malfunctioning LEF switching valve and further maintenance action is required.)
8. DDI, HI/MPCD, and HUD - OFF
9. Throttle - OFF

When amber FLAPS light illuminates -

10. Battery switch - OFF

AIR REFUELING BEFORE PLUG-IN

1. Radar - STBY/SILENT/EMCON
2. Master arm switch - SAFE
3. Internal wing fuel switch - AS DESIRED
4. External tanks - AS DESIRED
5. Air refuel probe switch - EXTEND
6. Visor - RECOMMENDED DOWN

For night air refueling -

7. Exterior lights - STEADY BRIGHT
8. Tanker lights - AS DESIRED