

# DCS F-16C

## CREW CHECKLIST NORMAL PROCEDURES

MODEL GENERAL DYNAMICS F-16C

NOT FOR REAL WOLRD OPERATIONS  
THIS DOCUMENT IS MADE FOR USE WITH DIGITAL  
COMBAT SIMULATOR SERIES F-16C

APPROVED FOR RELEASE TO ALL  
DCS F-16C PILOTS



*Quelle: af.mil*

VERSION 0.91  
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PREFLIGHT
ENGINE START
TAXI
BEFORE T/O
TAKEOFF
CRUISE
DESCENT
LANDING
POSTFLIGHT
SHUTDOWN
PARKING

**COCKPIT PREPARATION**

**Left Console**

PROBE HEAT ..... OFF  
 FLCS PWR TEST ..... NORM  
 DEFOG LEVER ..... MIDRANGE  
 DIGITAL BACKUP ..... OFF  
 ALT FLAPS ..... NORM  
 MANUAL TF FLYUP ..... ENABLE  
 LE FLAPS ..... AUTO  
 BIT ..... OFF  
 TRIM/AP DISC ..... NORM  
 ROLL, YAW, PITCH TRIM ..... CENTER  
 FUEL MASTER ..... MASTER / GUARDED  
 TANK INERTING ..... OFF  
 ENG FEED ..... NORM  
 AIR REFUEL ..... CLOSE  
 IFF MASTER ..... STBY  
 CNI ..... BACKUP  
 TACAN ..... AS DESIRED  
 EXT LIGHTING ..... AS RQRD  
 MASTER LIGHT ..... NORM  
 EPU ..... NORM / GUARDED  
 MAIN PWR ..... OFF  
 AVTR PWR ..... OFF  
 AVTR DISPLAY ..... HUD  
 ECM PWR ..... OFF  
 COMM1 PWR ..... CW  
 COMM1 MODE ..... SQL  
 COMM2 PWR ..... CW  
 COMM2 MODE ..... SQL  
 TACAN PWR ..... CW  
 AB RESET ..... NORM  
 ENG CONT ..... PRI / GUARDED  
 JFS ..... OFF  
 UHF BACKUP FUNCT ..... BOTH  
 UHF BACKUP FREQ ..... AS DESIRED  
 THROTTLE ..... FREE, then OFF  
 SPD BRK ..... FWD  
 DOG FIGHT ..... CENTER

**Left Auxiliary Console**

ALT GEAR HANDLE ..... IN

CMDS (9) ..... OFF  
 RF ..... NORM  
 SYMBOLOGY PWR ..... OFF  
 STORES CONFIG ..... AS RQRD  
 LDG/TAXI LIGHTS ..... OFF  
 GEAR HANDLE ..... DOWN  
 GND JETT ENABLE ..... OFF  
 BRAKES ..... CHAN 1  
 ANTI-SKID ..... ANTI-SKID  
 EMER STORES JETT ... COVER INTACT  
 HOOK ..... UP

**Instrument Panel**

ROLL ..... ATT HOLD  
 PITCH ..... A/P OFF  
 MASTER ARM ..... OFF  
 LASER ARM ..... OFF  
 DRAG CHUTE ..... NORM  
 HUD/ASHM ..... SET  
 ALTIMETER ..... SET  
 FUEL QTY SEL ..... NORM  
 EXT FUEL TRANS ..... NORM  
 INSTR MODE ..... AS DESIRED

**Right Auxiliary Console**

CLOCK ..... SET

**Right Console**

*NOTE*

*Oxygen Regulator Pressure decreases slowly when OBOGS is not operating and may indicate LOW prior to engine start.*

SNSR PWR (4) ..... OFF  
 HUD CONTROL PANEL ..... SET  
 NUCLEAR CONSENT ..... OFF  
 ZEROIZE ..... OFF  
 INTERIOR LIGHTING ..... AS DESIRED  
 VOICE MESSAGE ..... VOICE MESSAGE  
 TEMP ..... AUTO

AIR SOURCE .....NORM

**CAUTION**  
If AIR SOURCE is in OFF or RAM, electronic equipment may be damaged.

AVIONICS POWER ..... OFF  
ANTI ICE ..... AUTO/ON

**CAUTION**  
If there is visible moisture and ambient temperature is 7°C (45°F) or less, place ANTI ICE switch to ON.

IFF ANT SEL .....NORM  
UHF ANT SEL .....NORM  
OXYGEN SYSTEM ..... CHECK

Pressure – 50-120 psi  
Mode lever – PBG/ON  
Diluter lever – NORM  
EMER lever – NORM  
FLOW indicator – Check

**BEFORE START**

MAIN PWR ..... BATT  
FLCS RLY LIGHT ..... VERIFY ON

**NOTE**  
Toe brakes are not available when the FLCS RLY light is on and the aircraft battery is the only operating power source.

FLCS POWER TEST .....TEST & HOLD\*  
\*verify lights:  
FLCS PMG on  
ACFT BATT TO FLCS on  
FLCS PWR (4) on  
FLCS RLY off

FLCS POWER TEST ..... RELEASE

MAIN PWR .....MAIN PWR

\*verify caution lights on:  
ENGINE  
HYD/OIL PRESS  
ELEC SYS  
SEC  
FLCS RLY

EPU GEN & EPU PMG ..... VERIFY OFF  
COMMUNICATIONS ..... ESTABLISHED  
CANOPY ..... AS DESIRED  
CHOCKS .....IN PLACE

**ENGINE START**

JFS ..... START 2  
THROTTLE .....IDLE (20% RPM)

SEC CAUTION LIGHT..... VERIFY OFF  
ENGINE WARNING .....VERIFY OFF\*  
\*at approximately 60% RPM

JFS ..... VERIFY OFF

ENGINE INSTRUMENTS.....CHECK

NORMAL INDICATIONS  
HYD/OIL PRESS warning light - OFF  
FUEL FLOW – 700-1700 pph  
OIL PRESS – min. 15 psi  
NOZ POS – greater than 94 %  
RPM – 62-80 %  
FTIT – max. 650 °C  
HYD PRESS A & B – 2850-3250 psi

**AFTER ENGINE START**

PROBE HEAT ..... CHECK\*  
\*1. HEAT – verify caution light off  
2. TEST – caution light flash 3-5 times/s  
3. OFF

FIRE & OHEAT DETECT ..... TEST  
 MAL & IND LIGHTS ..... TEST

AVIONICS POWER PANEL .....SET  
 a. MMC .....MMC  
 b. STA SEL .....ST SEL  
 c. MFD .....MFD  
 d. UFC .....UFC  
 e. GPS .....ON  
 f. DL .....ON

EGI/INS .....ALING

SNSR PWR PANEL .....SET  
 a. LEFT HDPT .....AS REQRD  
 b. RIGHT HDPT .....AS REQRD  
 c. FCR .....FCR  
 d. RDR ALT .....RDR ALT

*NOTE*

*Set RIGHT HDPT to ON if a Targeting Pod is installed on the hardpoint.*

*NOTE*

*Radar and Radar Altimeter transmission is inhibited until the aircraft becomes airborne. Activation of these systems may be delayed until just before takeoff if desired.*

HUD CONTROL PANEL .....AS DESIRED  
 C&I ..... UFC  
 ECM .....AS REQRD

SPD BRK..... CYCLE & CLOSE

GEAR ..... CHECK 3 GREEN  
 SAI .....SET

ENGINE SEC MODE ..... CHECK  
 a. ENG CONT .....SEC  
 b. SEC CAUTION LIGHT .....ON

c. RPM ..... STABILIZED  
 d. THROTTLE .....SNAP MIL  
     then SNAP IDLE (85% RPM)  
 e. NOZ POS ..... 10% or less\*  
     \*30 sec. after selecting SEC  
 f. ENG CONT ..... PRI  
 g. SEC ACUTION LIGHT ..... OFF  
 h. NOZ POS .....94% min.

FLT CONTROLS ..... CYCLE

FLCS BIT ..... BIT

FUEL QTY SEL .....CHECK  
 a. TEST – FR, AL 2000 lbs, TOT 6000  
     FUEL LOW caution lights ON  
 b. NORM  
 c. RSVR  
 d. INT WING  
 e. EXT WING  
 f. EXT CTR  
 g. AS DESIRED

DBU .....CHECK

TRIM .....CHECK  
 a. TRIM/AP DISC .....DISC  
     Verify: Stick trim disabled  
 b. TRIM/AP DISC ..... NORM  
     Verify: Stick trim enabled  
 c. YAW TRIM ..... CHECK & CENTER

MPO .....CHECK  
 a. Stick full fwd & hold; note horizontal  
     tail deflection  
 b. MPO ..... OVRD  
     confirm that horizontal tail trailing edges  
     move farther down  
 c. STICK & MPO ..... RELEASE  
     confirm that horizontal tail return to its  
     original position

EPU FUEL QTY .....CHECK 95-102%

EPU ..... CHECK

- a. OXYGEN ..... 100%
- b. THROTTLE ..... INCREASE 10%
- c. EPU/GEN TEST .... EPU/GEN & HOLD  
EPU AIR light – ON  
EPU GEN & EPU PMG lights – OFF  
FLCS PWR lights – ON  
EPU run light – ON (min. 5 sec)
- d. EPU/GEN TEST ..... OFF
- e. THROTTLE ..... IDLE
- f. OXYGEN ..... NORMAL

AR ..... CHECK

- a. AIR REFUEL ..... OPEN  
RDY light – ON  
DISC light – OFF
- b. A/R DISC ..... DEPRESS  
DISC light – ON  
RDY light – OFF  
RDY light – ON (after 3 sec)
- c. AIR REFUEL ..... CLOSE  
RDY light OFF

AVIONICS ..... AS RQRD

**BEFORE TAXI**

CANOPY ..... CLOSE & LOCK  
ALTIMETER ..... SET  
EXETRIOR LIGHTS ..... AS REQD  
EGI ..... NAV  
NWS ..... ENGAGE

**TAXI**

TAXI LIGHT ..... ON  
THROTTLE ..... ADVANCE  
BRAKES / NWS ..... CHECK  
HEADING ..... CHECK  
FLIGHT INSTRUMENTS ..... CHECK

**BEFORE TAKEOFF**

PROBE HEAT ..... PROBE HEAT  
ALT FLAPS ..... NORM  
TRIM ..... VERIFY  
ENG CONT ..... PRI & GUARDED  
CANOPY ..... CLOSED & LOCKED  
STORES CONFIG ..... AS RQRD  
SPD BRK ..... CLOSED

IFF ..... SET & CHECK  
EXT TANKS ..... VERIFY FEEDING  
FUEL QTY SEL ..... NORM  
FLT CONTROLS ..... CYCLE  
OIL PRESS ..... 15-65 psi  
WARN & CAUTION LIGHTS ..... OUT  
TGP ..... STOWED  
EJECTION SAFETY LEVER ..... ARM

**TAKEOFF**

LDG LIGHT ..... ON  
BRAKES ..... HOLD  
PARK BRK ..... VERIFY DISENGAGED

THROTTLE ..... 90% RPM  
ENGINE INDICATIONS ..... NORMAL

BRAKES ..... RELEASE  
THROTTLE ..... AS DESIRED  
NWS ..... DISENGAGE (70 KIAS)

GW – Pounds	T/O Speed
20.000	128 KIAS
25.000	145 KIAS
30.000	162 KIAS
35.000	176 KIAS
40.000	190 KIAS
45.000	204 KIAS
48.000	208 KIAS

**DESCENT / BEFORE LANDING**

FUEL ..... CHECK QTY, TRANSFER,  
BALANCE  
DEFOG ..... AS DESIRED  
LDG LIGHT ..... ON  
ALTIMETER ..... SET  
ATT REF ..... CHECK ADI, HUD, SAI  
ANTI ICE ..... AS RQRD  
TGP ..... STOW

**LANDING**Initial Approach:

- 1.500 ft AGL
- 300 KCAS

Overhead Break:

- Break overhead desired T/D point
- 80% RPM
- 70° bank, 3-4 G

Downwind:

- 1500 ft AGL
- 200-220 KCAS
- GEAR – DOWN
- TRIM for 11 deg AOA
- Reduce Speed as Reqrd

Base Turn:

- 11° AOA
- 8-10° nose low

Touchdown / Rollout:

- Max. 13° AOA
- aerodynamic braking until 100 KIAS
- SPD BRK after nosewheel lowered
- Apply wheelbrakes as reqrd
- NSW below 30 KIAS

**AFTER LANDING**

PROBE HEAT ..... OFF  
ECM ..... OFF  
SPD BRK ..... CLOSE  
EJECTION SAFETY LEVER ..... SAFE  
IFF MASTER ..... STBY  
LDG/TAXI LIGHTS ..... AS REQRD  
ARMAMENT .. VERIFY OFF/SAFE/NORM  
AVIONICS ..... OFF

**NOTE**

*This may be delayed until at parking position if data needs to be recorded or INS alignment maintained.*

**ENGINE SHUTDOWN**

THROTTLE ..... OFF  
JFS RUN LIGHT ..... VERIFY OFF  
EPU GEN / EPU PMG ..... VERIFY OFF  
MAIN PWR ..... OFF  
OXYGEN ..... OFF & 100%  
CANOPY ..... OPEN