Start up Manual
by
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Version 2.5

last update 1/20/2012

Based on Game Version: 1.1.1.1

This Manual is created and tested under the conditions of the latest Patch 1.1.1.1

Cockpit Layout image Front Dash

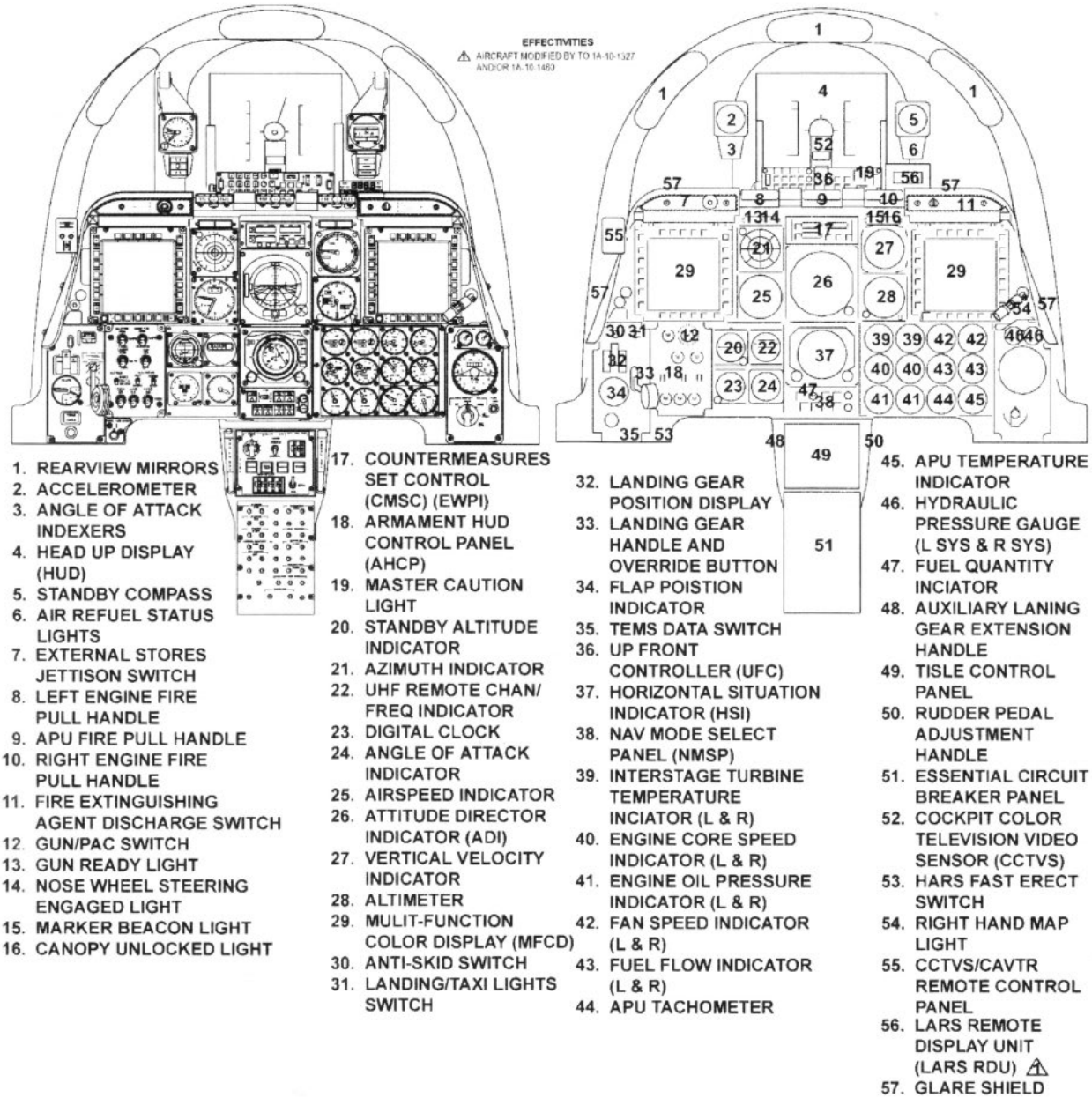


Figure 2-3. Cockpit Arrangement (Sheet 1 of 3)

Graphic source[1]

[1] ED Wiki (http://en.wiki.eagle.ru/wiki/A-10C_cockpit_layout_diagram)

Cockpit Layout image Left and Right Console

Figure 2-3. Cockpit Arrangement (Sheet 2 of 3)

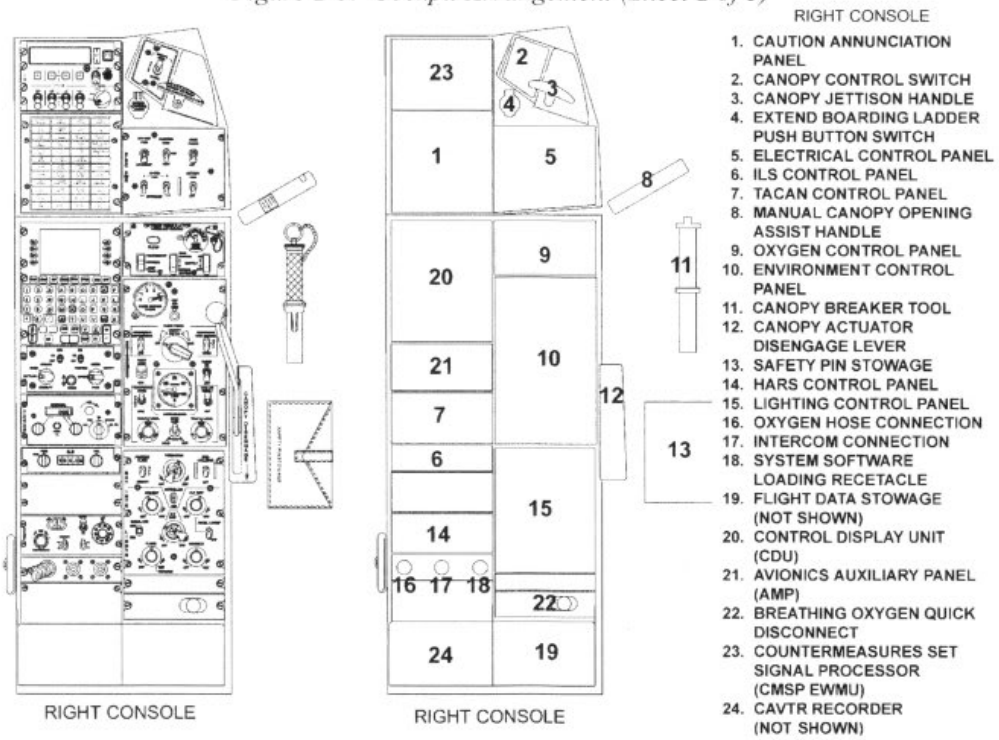


Figure 2-3. Cockpit Arrangement (Sheet 3 of 3)

Graphic source [2]

[2] ED Wiki (http://en.wiki.eagle.ru/wiki/A-10C_cockpit_layout_diagram)

Step 1

Loc: Right Console
PNL: Electrical Control Panel (5)

First step is to provide (Battery) Power on the Systems by switching the

Battery Power switch to PWR
and the
inverter switch to STBY

Since Patch 1.1.0.8 a new Sound environment was added which represents the Batteries working.

Step 2

Loc: Left Console
PNL: Auxiliary Lightning Control Panel (5)

Perform a lightning test by press and hold the

Signallights Lamptest Button

Step 3

Loc: Right Console
PNL: Oxygen Control Panel (5)

Set the **Oxygen Regulator *Switch*** from OFF to ON

Step 4

Loc: Right Console
PNL: Environment Control Panel (10)

Perform a check oft he **Oxygen supply system** by pressing and hold the ***Oxy IND Test*** Button. Watch fort he ***Oxy Low*** warning lights when the level gets to ***0.5 l***

Step 5

Loc: Front Dash
PNL: Fuel quantity Indicator (47)

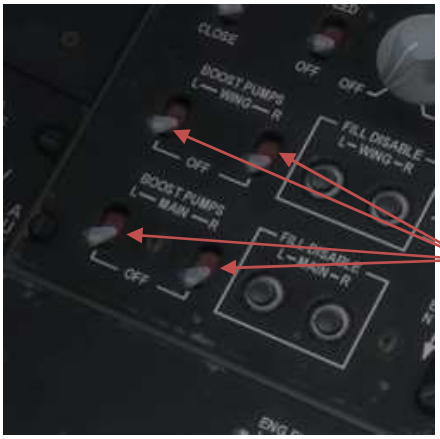
Perform a ***Fuel Quantity Indicator*** Function test by pressing and hold the **Test IND Button**. The Indicator will indicate at least 3000 LBS.

Step 6

Loc: Right Console
PNL: Electrical Control Panel (5)

After now all Systems have checked for it´s functionality, it´s time to prepare the Engine start up. So switch the both ***AC GEN switches*** to the PWR position. This will provide Power to the System once **both Engines** are running.

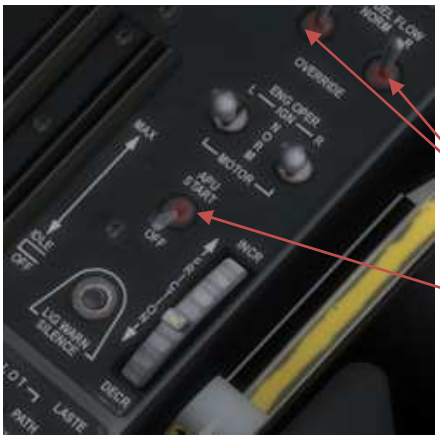
By switching the left ***AC Gen Switch*** to PWR a master Caution alert will occur, that's but normal.



Step 7

Loc: left Console
PNL: Fuel System Control Panel (3)

activate the ***Main-*** and ***Wings Boost pumps***



Step 8

Loc: left Console
PNL: Throttle Quadrant (7)

Make sure that both ***FUEL FLOW*** switches are set to NORM. Once it´s checked…

…Start up the ***APU***

Step 9

Loc: Front Dash
IND: APU Tachometer (44)

Watch the APU Tachometer. It has to reach 100%.

Step 10

Loc: Right Console
PNL: Electrical Control Panel (5)

APU is running now. So now set the ***APU GEN Switch*** to PWR, to enable the generators to provide Power to the Avionics and Engines to start up.

Step 11

Loc: Right Console
PNL: Avionics Auxiliary Panel (21)

Provide Power to the ***CDU*** by set the

CDU Power Switch and the

EGI Power Switch to the **ON** Position

After that turn the ***STEER Pt Dial*** to the **FLT PLAN** Position.

Step 12

Loc: Right Console
PNL: Control Display Unit (CDU) (20)

Once ***EGI*** and ***CDU*** Switches have been set to **ON** **INS GROUND ALIGNEMENT** will start automatically. It´s not necessary to set up ***CDU*** at this point, but it´ll saving time since **INS ALIGNEMENT** takes round about 4 Minutes. You´ll save a lot of time at this point of the startup, yet without running engines.

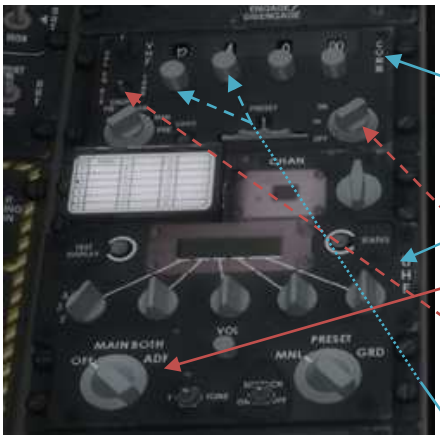
INS alignment has finished once the Display indicates **T= 4.0 0.8**

Step 13

Loc: Left Console
PNL: VHF/FM Radio Control panel (13)

Turn the ***Transmission Dial*** to **TR**

Perform a ***function test*** by clicking the ***squelch***. That should cause a **TRANSMISSION SOUND**.



Step 14

Loc: Left Console
PNL1: VHF/AM Radio Control panel (10)
PNL2: UHF Radio Control panel (12)

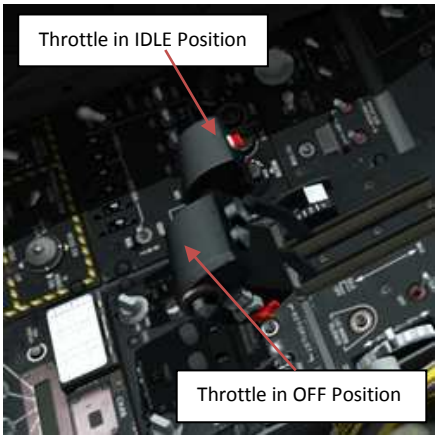
On the ***UHF Panel***, turn the ***UHF Radio Power Dial*** to MAIN

On the ***VHF/AM Panel*** set the ***Transmission Dial*** to TR and perform a ***SQUELCH Test*** (Transmission sound)

Now get to the Manual on **PAGE 657** „***Airdromes data***“ and get respective Frequency (Tower Comm) of the Airfield where you are.

Adjust the ***VHF/AM*** Radio and request start up on ATC (***MIC switch Forward*** / *Alt left* + *(Numpad) +*).

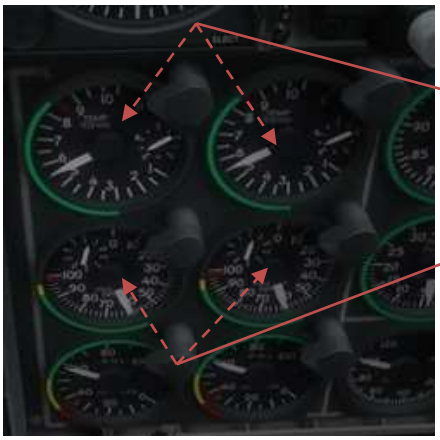
Frequencies are provided in the manual on Page 657. I suggest to get the **GROUND CHARTS** provided by the ***Virtuelles Jagdbomber Geschwader 32*** on the ED Forums (http://forums.eagle.ru/showpost.php?p=1193082&postcount=1)



Step 15

Loc: Left Console
PNL: Throttle Quadrant (7)

To start the engines, move the throttles from **OFF** to **IDLE**, or press *Home + Right Alt* key for left and *Home + right CTRL* key for the right engine to move.
The respective Engine starts to turn on.



Step 16

Loc: Front Dash
IND1: Interstage Turbine Temperature Indicator (left & right) (39)
IND2: Engine Core Speed Indicator (left & right) (40)

Watch the ***Interstage Turbine Temperature Indicator*** and the ***Engine Core speed indicator***. The engines are finally running in Idle once the indicator needles are no more moving.

Step 17

Loc: Right Console
PNL: Canopy Control Switch (2)

It becomes quite loud in the Cockpit while the Engines run up. So close the Canopy by rightclick and hold the ***Canopy Control Switch*** until the Canopy is closed.

Step 18

Loc: Left Canopy bow
PNL: None (2)

The ***Accelerometer*** needs to be reseted to provide correct G-loading on the aircraft. Just press the ***Reset Button*** to do this.

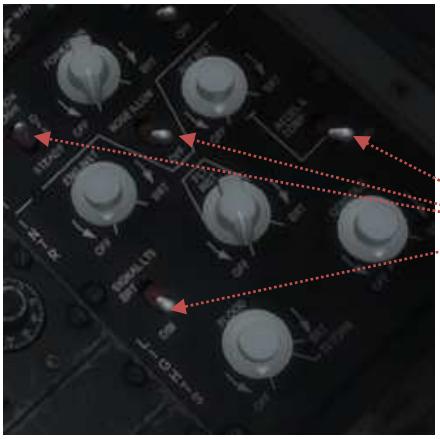
This is not a must. Real life Pilots like to forget this as well…

Step 19

Loc: left Console
PNL: Throttle Quadrant (7)

Shut down the ***APU*** on the left Console

After that set the ***APU Gen Switch*** back to OFF



Step 20

Loc: Right Console
PNL: Lighting Control Panel (15)

Set all the ***Light Switches*** in the opposite direction. Then use the ***Pinky Switch*** to adjust the Lights: (A DETAILED DESCRIPTION CAN BE FOUND ON PAGE 158 IN THE MANUAL)

After that play around with the ***Cockpit illumination dials***. You´ll se what happens when turning them, so no further explanation here.

Step 21

Loc: Right Console
PNL: Countermeasures Set Signal processor (23)

Set ***CMS DIAL*** to SEMI or AUTO. To set up the proper Program and/or how to use ***ECM*** is detailed explained in the manual on PAGE 400.

Do not set the JTSN switch as shown in this image, otherwise you´ll dispend all your flares.

Step 22

Loc: Front Dash
PNL: Armament HUD Control Panel (18)

After providing power to ***EGI*** and ***CDU*** activate ***CICU*** and
IFFCC on the ***Armament HUD Control Panel (AHCP)***.

Important Note:
Set ***IFFCC*** to TEST in the first step only!

Step 23

Loc: Front Dash
PNL: Up Front Controller (UFC) (36)

Once ***IFFCC*** Switch has been set you need to engage ***Preflight BIT Test***. This is not important at this point but recommended, cause it takes a while

On the ***HUD*** you´ll be tasked to engage the ***Preflight BIT Test***. To enable the ***BIT Test*** click on the ***Enter Button*** on the ***UFC***.

The BIT Test will take aprox 1 Minute and is been indicated as finished once you can hear „***pull up, pull up, altitude, altitude***“!

Step 24

Loc: Front Dash
PNL: MFCD (left and right) (29)

Provide Power to the ***MFCD´s*** by turning the ***Power knob*** from OFF to DAY (if it´s at night of course set it to Night (NT) to avoid cross fades caused by the Night Vision Goggle.

IFFCC needs a while to load all needed Datas (*approximately 1 Minute*). Once this Process has finished the ***HUD*** will provide several selections. But until the ***IFFCC*** has finished, we're going on to manage the **Flight Control Systems.**

Step 25

Loc: Left Console
PNL: Stability Augmentation System (SAS) Panel (18)

Adjust the Flight Control System by setting the ***YAW*** and

Pitch Switches from OFF to ENGAGE

Next is to press the ***T/O TRIM*** Button

Step 26

Loc: Front Dash
IND: Standby Altitude Indicator (SAI) (20)

Uncage the **SAI** by right click and hold/turn the ***Cage knob***. The red ***OFF Warning Flag*** will release and the Indicator can be adjusted up and down to cover with the Artificial Horizon.

This Indicator is a backup instrument and would only be used in case the ADI fails[3]

Step 27

Loc: Front Dash
PNL: Multi Function Colored Display (MFCD) (29)

While ***BIT Test*** is running

On the ***MFCD*** appears the ***DTS UPLOAD*** Screen.

Load all Datas in the System by pressing the ***Option Select Button (OSB) 6*** on the left MFCD

Step 28

Loc: Front Dash
PNL: Multi Function Colored Display (MFCD) (29)

DTS Upload has been finished once these tiny dots appear next to the Load options.

Once the upload is finished press ***OSB 13*** (CDU) to take the CDU page on the ***right MFCD (CDU repeater)***

[3] Page 96 Flight Manual

Step 29

Loc: Front Dash
PNL: Multi Function Colored Display (MFCD) (29)

INS alignment has already finished (depends on how fast you are and whether or not you take time for setting up DSMS (Weapon Configuration))

After that press ***OSB 9*** to switch to the navigation Mode.

Step 30

Loc: Front Dash
PNL: HUD /UFC (4/36)

BIT Test has been finished, so exit by pressing the ***ENT Button*** on the ***UFC***

Step 31

Loc: Front Dash
PNL: HUD /UFC (4/36)

Now several Options are provided. But these are not important at the moment. So navigate to EXIT by pressing the ***Select Button*** on the **UFC**. Execute by pressing the ***ENT Button***

Step 32

Loc: Front Dash
PNL: HUD /UFC (4/36)

The next menu will provide a bunch of Options again. Only thing you may do now ist o set up the Bomb mode you prefer or which is the best according to your weapon loadout.

CHECK PAGE 357 IN THE MANUAL FOR FURTHER INFORMATION ABOUT ***CCIP*** CONSENT OPTIONS

Navigate by using the ***SELECT Switch*** and select the mode by using the ***DATA Switch.***

Step 33

Loc: Front Dash
PNL: HUD /UFC (4/36)

By the end oft hat process set the ***IFFCC Toggle*** on the ***Armament HUD Control Panel*** to ON. This will display the **HUD** properly.

JTRS (Joint Tactical Radio System) switch needs to be set in the ON position.

Step 34

Loc: Front DASH (Behind the Stick)
PNL: NAV Panel / *TISLE Control Panel (49)*

Switch from ***HARS*** to ***EGI.***

Thats important to enable ***EAC***

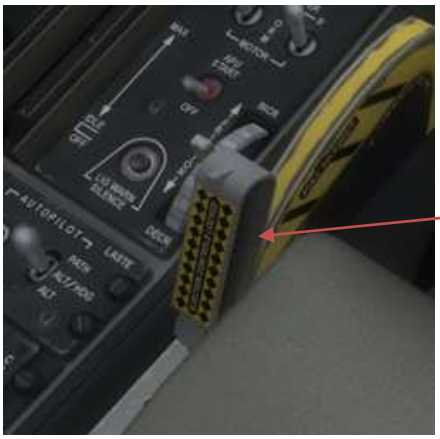
Step 35

Loc: Left Console
PNL: LASTE Control Panel (9)

Set ***EAC Switch*** to ARM and

RDR ALTM Switch to NRM.

DETAILED INFORMATION ABOUT EAC ARE PROVIDED ON PAGE 49 IN THE MANUAL.



Step 36

Loc: Ejection Seat
PNL: NONE

Arm the Ejection seat

Step 37

Loc: Left Console
PNL: Throttle Quadrant (9)

Set the ***Flaps Toggle*** in the FIRST POSITION for Take Off and in SECOND POSITION for Landing.

Step 38

Loc: Front Dash
PNL: switches are not part of a certain panel
(30/31)

Set the ***Anti Skid Switch*** and activate Taxi lights by right click the ***Taxi-/Landing lights switch***.

Recommendation:

Set Tasi light switch tot he landing position after take off, to avoid struggling with the knobs while in landing process. Landing and Taxi lights are different.

Once you´re confident with the start up procedure, so you can start to create your own procedure.

The way I was explaining is just one of a bunch.

closing words

Start up Procedure is finished now. For Weapons use go through the Manual or search for further Community based manuals, ideally use the tutorial Collection on one of the both Wiki resources.

Eagle Wiki:

http://en.wiki.eagle.ru/wiki/DCS_A-10C_Guides,_Tutorials_and_Reference_Documents

Have fun while flying the Hog.

Regards

MemphisBelle