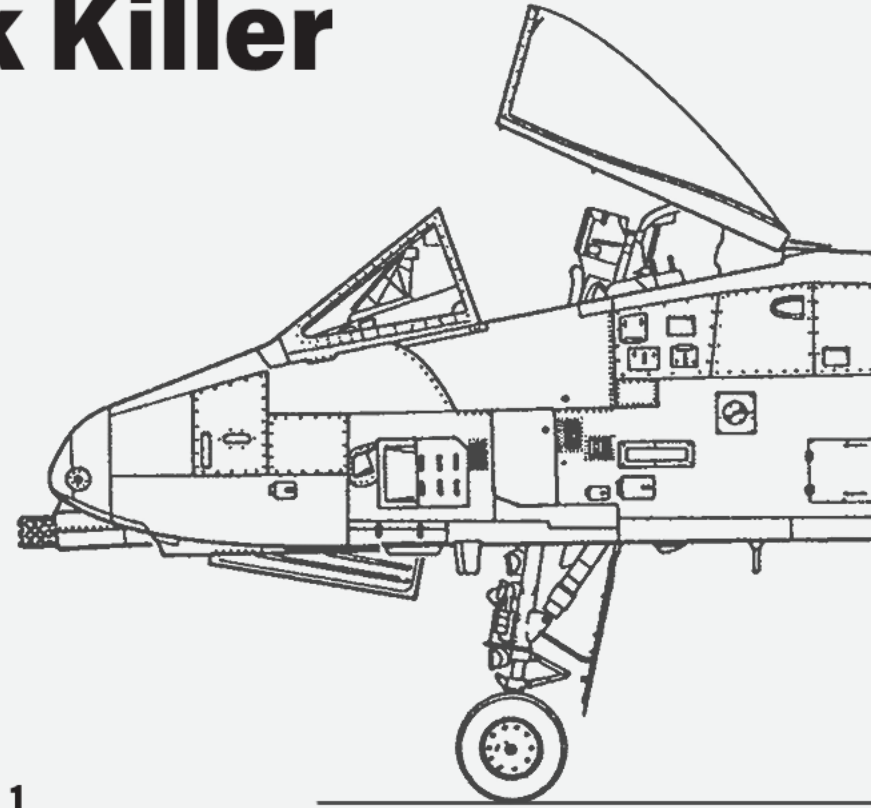
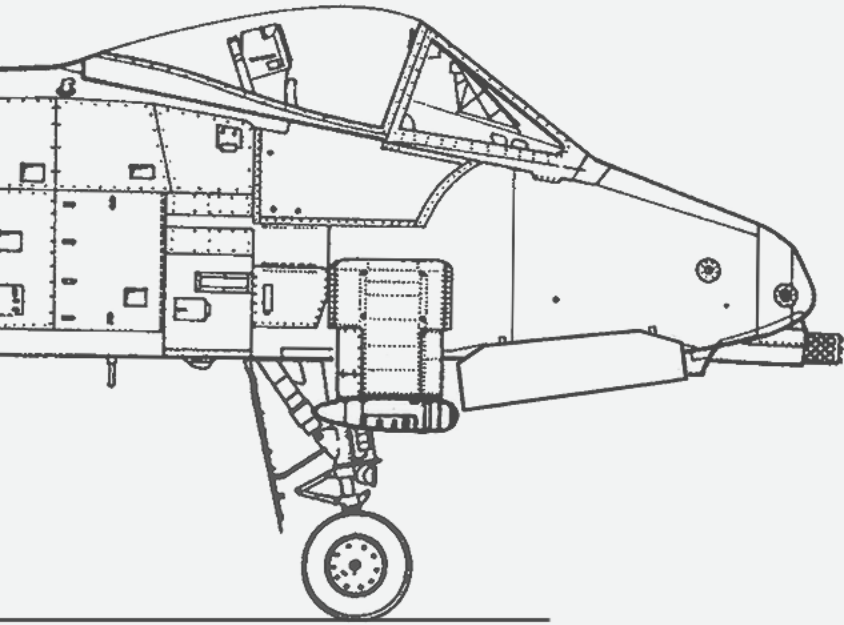


# Kneeboard Suite

## **A-10C Warthog** and **A-10C II Tank Killer**



**Checklists, Part 1**

2

**Checklists, Part 2**

3

**RWR Threats**

4

**HOTAS Table: A-10C II Tank Killer**

5

**HOTAS Table: A-10C Warthog**

6

**Ordnance. CMS Programs. Jammer Modes. Wind Correction.**

7

**Cockpit Diagram. Quickstart.**

8

**"LOAD DSMS" OR "LOAD ALL" MUST BE PERFORMED AFTER EACH REARMING**

MAX IN-FLIGHT WEIGHT: 51,000 lbs.  
 MAX TAXI/TAKEOFF/LANDING WEIGHT: 46,000 lbs.  
 AT NEAR MAX TAXI WEIGHT PREFER WIDE TURNS  
 AT MAX 5 kts. LIMIT SHARP TURNS TO MAX 3 kts.

**INT CHECK / PRIOR TO ENGINE START**

- 1 UHF radio ..... *rmb* BOTH, set
- 2 PINKY switch ..... AFT exterior lights manual
- 3 Accelerometer ..... Reset
- 4 Exterior and interior lights ..... Set
- 5 Battery / Inverter ..... PWR / *rmb* STBY
- 6 Flap lever ..... Set to indicated flap position

TEST: FIRE DETECT/BLEED AIR LEAK -  
 SIGNAL LIGHTS - OXY IND - FUEL IND

- 7 Fuel display selector ..... MAIN
- 8 APU switch ..... START (ready within 30sec)
- 9 APU GEN switch ..... PWR
- 10 (AAP) CDU, EGI ..... ON

FOR **FAST ALIGN** (90 sec), WITHIN 30 sec AFTER COMPLETION OF CDU STARTUP TEST, PRESS:  
 CDU LSK "INS" > "ALT ALIGN" > "FAST"  
 OBSERVE ASTERISK NEXT TO "\* FAST"

**STARTING ENGINES**

- 1 Left throttle ..... IDLE

WAIT FOR THE "ENG START CYCLE" LIGHT TO GO OFF BEFORE STARTING THE NEXT ENGINE. SHOULD THE RIGHT ENGINE BE STARTED FIRST, PULL THE EMERGENCY BRAKE HANDLE.

- 2 Right throttle ..... IDLE

**BEFORE TAXIING**

- 1 AM, FM radios ..... TR, set
- 2 IFF ..... Set, MASTER - STBY
- 3 Emergency brake handle ..... Full forward
- 4 CMSP..... Set, MODE - STBY  
*B 20xCH fast C 40xFL slow D 20xFL + 20xCH*
- 5 TACAN / ILS ..... T/R, set / *rmb* PWR
- 6 Takeoff trim button ..... Hold 2 sec
- 7 CDU ..... Verify align "4.0 0.8" or "1.4 7.2"  
 ..... LSK "NAV☑"
- 8 NMSP..... EGI ON  
 ..... STR PT, ANCHR, or TCN as required

**BEFORE TAXIING (CONT'D)**

- 9 IFFCC switch ..... *rmb* TEST, then UFC ENT  
 ..... to initiate test (50 sec)
- 10 JTRS switch ..... ON
- 11 CICU switch ..... ON
- 12 MFCD L/R ..... *rmb* As required
- 13 MFCD "DTS UPLOAD" page ..... "LOAD ALL"
- 14 TGP switch ..... As required
- 15 SAI knob ..... Hold *rmb* and drag to uncage
- 16 SAS ..... Engage
- 17 IFFCC switch ..... Verify "Testing complete"  
 ..... *rmb* ON
- 18 Altimeter ..... Set
- 19 APU GEN ..... OFF prior to APU shutdown
- 20 APU switch ..... OFF
- 21 Ladder ..... Stowed
- 22 EAC switch ..... ARM
- 23 **A-10C II** HMCS Power switch ..... *rmb* ON
- 24 Nosewheel steering ..... Engage

**BEFORE TAKEOFF**

- 1 Flaps ..... Set for takeoff (7° MVR)
- 2 Speed brakes ..... CLOSED
- 3 IFF ..... As required
- 4 Oxygen, defog, deice ..... As required
- 5 Canopy / Seat ..... Closed, locked / ARMED
- 6 Exterior lights ..... As required

**LINEUP CHECK**

- 1 Anti-skid switch ..... ANTI-SKID
- 2 Pitot heat switch ..... PITOT HEAT

DISENGAGE NWS AT ABOUT 70 kts.  
 FLAPS UP 10 knots ABOVE TAKEOFF SPEED.

EXT. LIGHTS	POSIT	ANTICOL	FORMATION	LAND/TAXI
GROUND	FLASH	OFF	ON DURING NIGHT OPS	AS REQUIRED
RWY ENTRY	STEADY	ON		

Lat Long Decimal	DD°MM.mmm E(0)41°47.878
MGRS	XXA YY 12345 67890
JTAC	--- YY 123-- 678--

**DESCENT / BEFORE LANDING**

- 1 Altimeter ..... Check
- 2 Defog, deice ..... As required
- 3 Anti-skid switch ..... ANTI-SKID
- 4 NMSP PTR switch (ADI bars) ... As required
- 5 Landing lights ..... As required
- 6 NVIS / NVGs ..... As required / Stow

**AFTER CLEARING RUNWAY**

- 1 Anti-skid switch ..... OFF
- 2 Seat / Canopy ..... SAFE / As desired
- 3 TACAN, ILS ..... OFF
- 4 IFF ..... MASTER - STBY
- 5 HUD night/day filter ..... DAY
- 6 Landing/taxi lights ..... As required
- 7 CMSP all systems and MODE ..... OFF
- 8 Pitot heat switch ..... OFF
- 9 Defog, deice ..... OFF
- 10 Position lights ..... Flash
- 11 Anti-collision lights ..... OFF
- 12 Flaps ..... As required

**ENGINE SHUTDOWN**

- 1 **A-10C II** HMCS Power switch .... *lmb* OFF
- 2 IFF ..... MASTER - OFF
- 3 SAI knob ..... *Pull and scroll to cage*
- 4 Master Arm, Gun/Pac, Laser .... *lmb* SAFE
- 5 TGP, CICU, JTRS, IFFCC ..... *rmb* OFF
- 6 MFCD L/R ..... OFF
- 7 (AAP) EGI, CDU ..... OFF
- 8 Seat ..... *Hold lmb* Full up

**LEFT ENGINE SHUTDOWN** AFTER 5 min AT IDLE. TAXI TIME AT CORE RPM <80% MAY BE INCLUDED. DO NOT SHUTDOWN IF THE APU IS RUNNING.

**RIGHT ENGINE SHUTDOWN** ONCE LEFT ENGINE CORE RPM IS BELOW 5% AND ITT IS BELOW 200°C.

- 9 Left throttle ..... OFF
- 10 Right throttle ..... OFF
- 11 Inverter, Battery ..... *rmb* OFF
- 12 AM, UHF, FM radios ..... OFF
- 13 Oxygen SUPPLY lever ..... OFF
- 14 Interior, Exterior, Emergency lights ... OFF

**AFTER TAKEOFF — PRE STRIKE — POST STRIKE**

- |                     |   |
|---------------------|---|
| <b>FIRE CONTROL</b> | <ul style="list-style-type: none"> <li>• AHCP switches</li> <li>• DSMS</li> <li>• Laser codes</li> <li>• MAV prepare</li> </ul>                           |
| <b>ENGINES</b>      | <ul style="list-style-type: none"> <li>• Gauges</li> <li>• Fuel</li> </ul>  |
| <b>NAVIGATION</b>   | <ul style="list-style-type: none"> <li>• AAP knobs</li> <li>• NMSP, HSI</li> </ul>  |
| <b>COMMS</b>        | <ul style="list-style-type: none"> <li>• Radios</li> </ul>  |
| <b>EMITTERS</b>     | <ul style="list-style-type: none"> <li>• Exterior lights</li> <li>• IFF set / M-3, M-C</li> <li>• TACAN</li> <li>• ECM</li> <li>• Chaff, Flare</li> </ul> |

**AIR REFUELING**

KC-135

**HOT ARMAMENT SAFETY CHECK**

- 1 Master Arm, Gun/Pac, Laser ..... SAFE
- 2 "DSMS" page ..... Deselect all stations  
..... EO PWR OFF

**PRECONTACT CHECKS**

- 1 IFF / TACAN / ECM .... STBY / A/A REC / OFF
- 2 Refueling light rheostats ..... ON
- 3 Exterior lights ..... As required
- 4 Fill disable switches ..... As required
- 5 Air refuel control ..... OPEN
- 6 READY light ..... Verify ON

**POST REFUELING** (*NWS/AR to disconnect*)

- 1 Air refuel control ..... CLOSED
- 2 TACAN, IFF, Exterior lights ..... As required

**PRIOR TO FARP ENTRY**






**HOT REFUELING**

"AFTER CLEARING RUNWAY" - COMPLETE





APU GEN, APU - OFF	DE-ARMING - COMPLETE APU GEN or APU - OFF
MASTER ARM - SAFE	TGP - OFF
GUN/PAC, LASER - SAFE	
TGP - OFF	
"DSMS" PAGE - DESELECT ALL STATIONS, EO PWR OFF	

**PRIOR TO REFUELING**

CANOPY - AS REQUIRED	CANOPY - AS DESIRED
FUEL DISPLAY SELECTOR - MAIN	
TANK GATE SWITCH - CLOSED	
After refueling: Taxi clear of refueling area and configure aircraft as required by mission plan.	

AIRBORNE		 AIRBORNE	 TRACKING	 MISSILE	 PRIMARY THREAT	 NEWEST THREAT
11 F F-111	24 B Su-24	52 B B-52	F2 F F-2			
13 T C-130	25 F MiG-25	76 T IL-76	F4 F F-4E			
14 F F-14	29 F MiG-29	78 T IL-78	F5 F F-5E			
15 F F-15	F Su-27, Su-33	95 B Tu-95	JF F JF-17			
16 F F-16	F J-11A	AN T An-26, An-30	KC T KC-10			
17 T C-17	30 F Su-30	AV B AV-8B	T KC-135			
18 F F/A-18	31 F MiG-31	B1 B B-1	M2 F Mirage			
19 F MiG-19	34 F Su-34	BJ B Tu-160	S3 B S-3B			
21 F MiG-21	39 B Su-25	E2 A E-2C	Tu B Tu-142			
22 B Tu-22	50 A A-50	E3 A E-3				
23 F MiG-23	A KJ-2000	E6 B EA-6B				

A – AWACS B – BOMBER/EW F – FIGHTER/MULTIROLE T – TRANSPORT/TANKER

GROUND	 TRACKING	 MISSILE
	 PRIMARY THREAT	 NEWEST THREAT
<b>WATCHING</b>		
S	Unknown search radar	
	1L13 EWR / 55G6 EWR	
	[2], [3] Flat Face B (P-19)	
BB	[10] Big Bird SR	
CS	[10] Clam Shell low-alt SR	
DE	[13] Dog Ear 9S80M1 SR	
HQ	[7] HQ-7 SR	
SD	[11] Snow Drift SR	
TS	[5] Tin Shield ST-68U SR	
<b>ENGAGING</b> <span style="float: right;">JAMMER MODE</span>		
2	CH 28/++ SA-2 Guideline (Dvina)	SAM1
3	CH 13/++ SA-3 Goa (Pechora)	SAM1
5	CH 73/++ SA-5 Gammon (S-200)	
6	CH 22/26 SA-6 Gainful (Kub)	SAM1
7	EV 10/18 HQ-7 Launcher	
8	CH 09/16 SA-8 Gecko (Osa)	SAM1
10	CH 46/++ SA-10 S-300PS	SAM2
11	CH 23/++ SA-11 Gadfly (Buk)	SAM2
13	FL 05/12 SA-13 Gopher (Strela)	
15	CH 09/20 SA-15 Gauntlet (Tor)	SAM2
19	EV 05/12 SA-19 Grison (Tunguska)	SAM2
A	EV 02/10 Gepard	AAA
	EV 02/05 M163 Vulcan	AAA
	EV 02/07 ZSU-23-4 Shilka	AAA
HK	CH 25/++ Hawk SR/TR/CWAR	SAM1
NS	CH 06/35 NASAMS AIM-120C	
	06/30 NASAMS AIM-120B	
P	CH 48/++ Patriot MIM-104	SAM2
RO	CH 06/20 Roland ADS/SR	SAM1
RP	-- --/-- [RT] Rapier Blindfire	
RT	EV 07/10 Rapier Launcher	

NAVAL	(REFER TO GROUND SYMBOLOGY)
40	CV Tarawa FL 08/13
49	FR Perry CH 50/++
AE	DE Arleigh Burke IIa CH 57/++
	CR Ticonderoga CH 55/++
HN	DE 052C Haikou CH 64/++
	CR Pyotr Velikiy CH 74/++
HP	VE Grisha / Albatros CH 08/17
MR	DE 052B Guandgzhou CH 27/48
	FR 054A Yantai CH 35/++
PS	TT 071 Amphib. dock EV 04/09
	VE Molniya EV 04/09
SS	CV CVN-70 Vinson CH 14/35
	CV CVN-71 Roosevelt CH 14/35
	CV CVN-72 Lincoln CH 14/35
	CV CVN-73 Washington CH 14/35
	CV CVN-74 Stennis CH 14/35
	CV CVN-75 Truman CH 14/35
SW	CV Kuznetsov 2017 CH 09/20
	CV Kuznetsov old CH 09/20
T2	CR Moskva CH 47/++
TP	FR Neustrashimy CH 09/20
	FR Rezky CH 08/17
U	Unknown (usually naval)

CV – CARRIER CR – CRUISER DE – DESTROYER  
FR – FRIGATE TT – TRANSPORT VE – CORVETTE

[10] – USUALLY LINKED TO [THIS] LAUNCHER  
 COUNTERMEASURES: CH – CHAFF FL – FLARES  
 EV – EVASIVE MANEUVERING ONLY (OPTICAL SAM/AAA)  
 22/26 – MAX LAUNCH RANGE (nm) & ALT (x1000 ft AGL)  
 ++ MEANS THE MISSILE CAN REACH YOU ABOVE 50.000 ft  
 LAUNCH RANGES WERE MEASURED FOR THE F/A-18C,  
 AND SHOULD BE TREATED AS A ROUGH ESTIMATE.

		L = LONG PRESS	TAD	TGP	HUD	AIM-9	MAV	HMCS	
<b>D M S</b>	FWD		ZOOM+	ZOOM+	NEXT STEERPOINT	<i>NEXT STEERPOINT</i>	ADJ BORESIGHT RETICLE UP	BRT+	
		L	<i>MAP TOGGLE</i>				GYRO STAB (HOLD)		
	AFT		ZOOM-	ZOOM-	PREV STEERPOINT	<i>PREV STEERPOINT</i>	ADJ BORESIGHT RETICLE DOWN	BRT-	
		L	<i>TAD-GTR-OPT</i>						
	LEFT		<i>GEN-DEP, GNTR</i>	RMFCD TO HMD	GUNSIGHT / PROFILE CYCLE	A-A PROFILE CYCLE	ADJ BORESIGHT RETICLE LEFT	RMFCD TO HMD	
		L	HMD ON / OFF						
RIGHT		CYCLE TAD CENTRE	LASER / IR TOGGLE	GUNSIGHT / PROFILE CYCLE	A-A PROFILE CYCLE	ADJ BORESIGHT RETICLE RIGHT	CYCLE HMCS PROFILES		
	L	SLAVE TGP TO HMCS LOS				SLAVE MAV TO HMCS	SLAVE TGP TO HMCS		
<b>T M S</b>	FWD		HOOK SYMBOL	AREA / POINT TRACK	TDC GROUND STABILIZE	CONIC SCAN	TRACK	HOOK SYMBOL	
		L	MAKE SPI at crosshair or from hooked symbol						
	AFT		UNHOOK SYMBOL	FLIR AUTOFOCUS	<i>**SET SPI SUBMODE</i>	BREAK LOCK	GROUND STAB	UNHOOK SYMBOL	
		L	RESET SPI TO STEERPOINT						
	LEFT		ACKNOWLEDGE WCN (warnings, cautions, notes) on HUD & MFCDs						
		L	BROADCAST SPI						
RIGHT		CREATE MARKPOINT							
	L	MAKE LAST MARKPOINT SPI							
			TAD	TGP	HUD	AIM-9	MAV	HMCS	
<b>C H I N A</b>	FWD		<i>**FOV EXP</i>	FOV	<i>**SET MAV AS SOI</i>	<i>**UNCAGE</i>	<i>**FOV</i>	FOV	
		L	SLAVE ALL TO SPI			<i>**SLAVE AIM-9 TO TGP LOS</i>	SLAVE ALL TO SPI		
	AFT		RESET CURSOR	LSS TOGGLE	CAGE TDC TO TVV	RE-CAGE / MANUAL SEQUENCE		CAGE HDC TO ↕	
L		SLAVE TGP TO STEERPOINT							
<b>B O A T</b>	FWD	TGP FLIR BHOT					BLACK HOT LMAV: CODE		
	AFT	TGP FLIR WHOT					WHITE HOT LMAV: CURSOR		
	CTR	TGP CCD					HOLD 2s FORCE CORRELATE		

<b>CMS</b>	LONG - NEXT PROG ▲ FWD - 1 FLARE		
	◀ LEFT 6 FLARES	PRESS (Z) - RUN/STOP PROG LONG - ECM TOGGLE	RIGHT ▶ 6 CHAFF
	▼ AFT - 1 CHAFF LONG - PREV PROG		

<b>C O O L I E</b>	UP		SOI HUD
		L	MSG QUICKLOOK
	DOWN		SOI HMCS
		L	DSMS QUICKLOOK
	LEFT		CYCLE LMFC D
		L	SOI LMFC D
RIGHT		CYCLE RMFC D	
	L	SOI RMFC D	

<b>P I N K Y</b>	FWD	EXTERIOR LIGHTS DEFAULT
		AFT
	CTR	EXTERIOR LIGHTS OFF

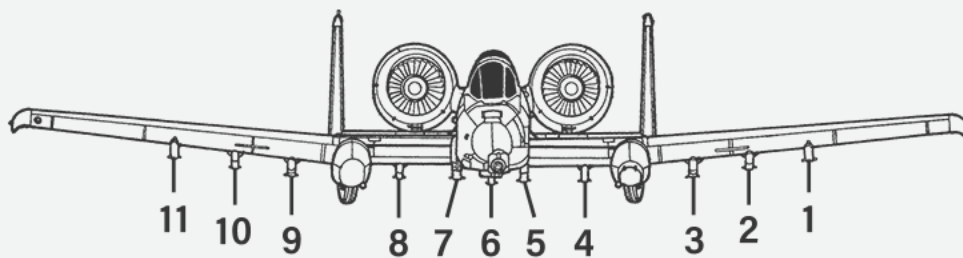
\*\* This is the actually assigned function that differs from the one in the manual.  
*MAP-TOGGLE* The function is mentioned in the manual, but not yet implemented.

		L = LONG PRESS	TAD	TGP	HUD	AIM-9	MAV
<b>D M S</b>	FWD		ZOOM+	ZOOM+	NEXT STEERPOINT		ADJUST BORESIGHT RETICLE UP
	AFT		ZOOM-	ZOOM-	PREV STEERPOINT		ADJUST BORESIGHT RETICLE DOWN
	LEFT			FLIR AUTOFOCUS	GUNSIGHT / PROFILE CYCLE	A-A PROFILE CYCLE	ADJUST BORESIGHT RETICLE LEFT
		L	BROADCAST SPI				
	RIGHT		CENTER / DEPRESSED	LASER / IR TOGGLE	GUNSIGHT / PROFILE CYCLE	A-A PROFILE CYCLE	ADJUST BORESIGHT RETICLE RIGHT
L			LSS TOGGLE				
<b>T M S</b>	FWD		HOOK SYMBOL	AREA / POINT TRACK	TDC GROUND STABILIZE	CONIC SCAN	TRACK
		L	MAKE SPI at crosshair or from hooked symbol				
	AFT		UNHOOK SYMBOL	INR TRACK	SET SPI SUBMODE	BREAK LOCK	GROUND STAB
		L	RESET SPI TO STEERPOINT				
	LEFT		ACKNOWLEDGE WCN (warnings, cautions, notes) on HUD & MFCDs				
		L					
RIGHT		CREATE MARKPOINT					
			TAD	TGP	HUD	AIM-9	MAV
<b>C H I N A</b>	FWD		FOV		SET MAV AS SOI	UNCAGE	FOV
		L	SLAVE ALL TO SPI			SLAVE AIM-9 TO TGP LOS	SLAVE ALL TO SPI
	AFT		RESET CURSOR	BORESIGHT TGP	CAGE TDC TO TVV	MISSILE STEP	
		L	SLAVE TGP TO STEERPOINT				
<b>B O A T</b>	FWD		TGP FLIR BHOT				BLACK HOT
	AFT		TGP FLIR WHOT				WHITE HOT
	CTR		TGP CCD				HOLD 2s FORCE CORRELATE

<b>CMS</b>	LONG - NEXT PROG ▲ FWD - 1 FLARE
	◀ LEFT 6 FLARES PRESS (Z) - RUN/STOP PROG LONG - ECM TOGGLE RIGHT ▶ 6 CHAFF
	▼ AFT - 1 CHAFF LONG - PREV PROG

<b>C O O L I E</b>	UP		SOI HUD
		L	MSG QUICKLOOK
	DOWN		SWAP MFCDs
		L	DSMS QUICKLOOK
	LEFT		CYCLE LMFC D
		L	SOI LMFC D
	RIGHT		CYCLE RMFC D
		L	SOI RMFC D

<b>P I N K Y</b>	FWD	EXTERIOR LIGHTS DEFAULT
	AFT	EXT. LIGHTS MANUAL
	CTR	EXTERIOR LIGHTS OFF



**BOMBS**

- Mk-82 500 lbs
- Mk-82 AIR ballute 500 lbs
- Mk-84 2000 lbs
- GBU-12 laser 500 lbs
- GBU-10 laser 2000 lbs
- GBU-38 JDAM 500 lbs
- GBU-54B JDAM+ laser 500 lbs**
- GBU-31(V)1/B JDAM 2000 lbs
- GBU-31(V)3/B JDAM 2000 lbs penetrator warhead

**CLUSTER:**

- CBU-87 soft targets
- CBU-97 anti-armour seeker
- CBU-103 WCMD soft targets
- CBU-105 WCMD anti-armour skr

**MISC / TRAINING:**

- LUU-2 parachute flares
- BDU-33 025 lbs
- BDU-50LD 500 lbs
- BDU-50HD ballute 500 lbs
- BDU-50LGB laser 500 lbs

**A-G MISSILES**

- M151 HE APKWS laser soft targets
- M282 MPP APKWS laser penetrator

**MAVERICK:**

- AGM-65D IIR 125 lbs, no FC
- AGM-65G IIR 300 lbs
- AGM-65H CCD 125 lbs
- AGM-65K CCD 300 lbs
- AGM-65L CCD laser 300 lbs**

**MISC / TRAINING:**

- TGM-65D (IIR)
- TGM-65G (IIR)
- TGM-65H (CCD)
- CATM-65K (CCD)

**A-A MISSILES**

- AIM-9L Sidewinder
- AIM-9M Sidewinder

**MISC / TRAINING:**

- Captive AIM-9M

**ROCKETS**

- M151 HE soft targets
- MK5 HE(AT) anti-armour

**MISC / TRAINING:**

- M257 parachute flares
- M274 smoke
- M156 white phosphorus
- Mk1 practice
- Mk 61 practice
- WTU-1/B practice

**PODS / TANKS**

- AN/AAQ-28 Litening (St 2, 10)
- ALQ-131 Jammer (St 1, 11)
- ALQ-184 Jammer (St 1, 11)
- Fuel tank FT600 (St 4, 6, 8)

**MISC / TRAINING:**

- AN/ASQ-T50 ACMI pod (St 1, 11)
- MXU-648 Travel pod
- Smokewinder

\* **A-10C II ONLY**

**CONVERTING NAV WIND (BRIEFING) TO METEO**

BRIEFING LAYER EXAMPLE:

At **2000m 4 m/s, 115°**. Ground temp **+10°C**

$(2000m \times 3) + 10\% = 6600 \text{ feet}$ , round up to **7000**

$(4 \text{ m/s} \times 2) = 08 \text{ knots}$

$(\text{To } 115^\circ \text{ true } +/- 180^\circ) - 6^\circ \text{ magvar}^* = \text{From } 289^\circ \text{ mag}$

$(2^\circ\text{C for every 1000 feet of altitude}) \times 7 = 14^\circ\text{C}$

$+10^\circ\text{C} - 14^\circ\text{C} = -4^\circ\text{C}$  at 7000 ft

CONVERSION RESULT:

Layer at **7000ft: 289° / 08 kts / -4°C**

**A-10C: APPLYING WIND CORRECTION LAYER**

**CDU > SYS > "LASTE" > "WIND":**

ALT **07** WIND **28908** TEMP **4** (LSK to change to -4)

\* Caucasus -6° Nevada -10° Normandy +1°  
Persian Gulf 0° Syria -4° The Channel 0°

Note: due to DCS interpolation, wind at 500m / 1700 ft is *twice* as strong as at the ground level

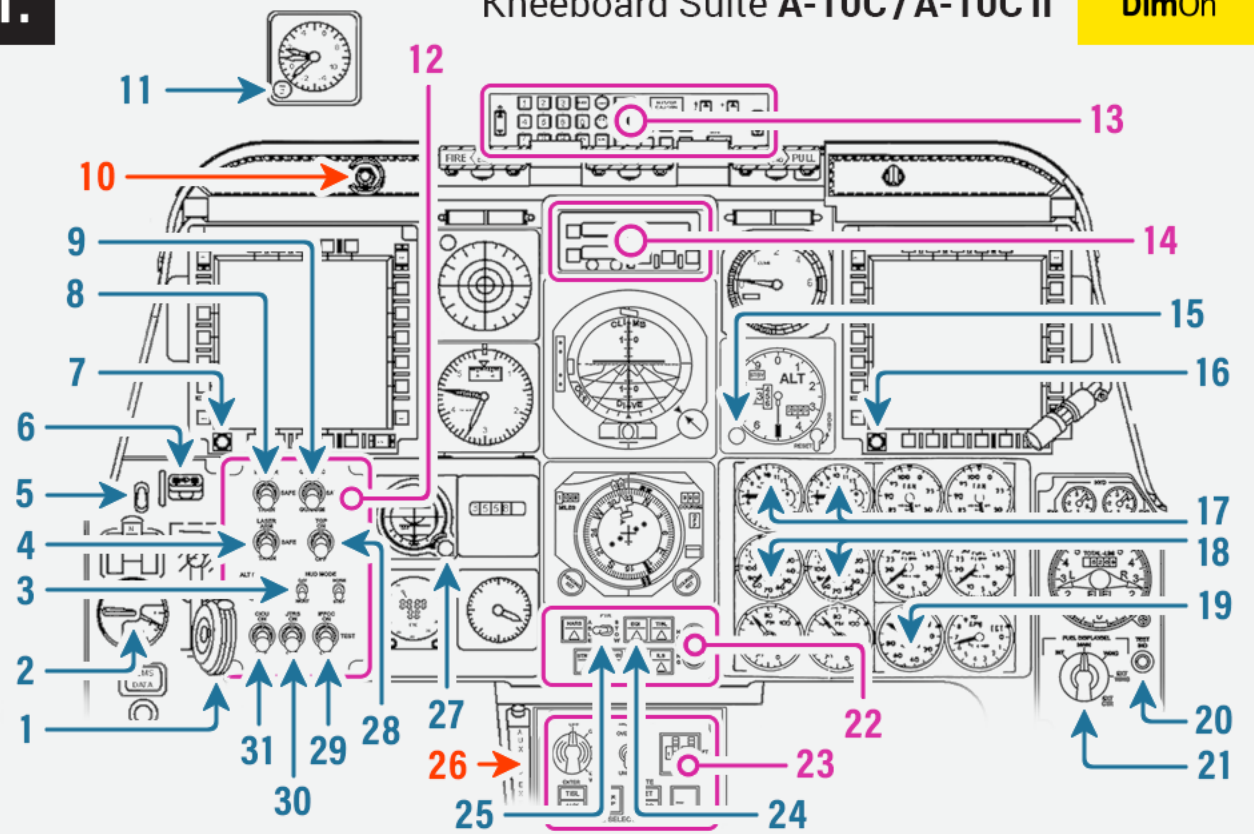
**CMS PROGRAMS**

<b>A</b>	20 CHAFF SLOW OLD RDR
<b>B</b>	20 CHAFF FAST NEW RDR
<b>C</b>	40 FLARE SLOW INFRARED
<b>D</b>	20 CHAFF SLOW MIXED OR 20 FLARE SLOW UNKNOWN
<b>E</b>	20 CHAFF FAST 20 FLARE FAST
<b>F</b>	40 CHAFF SLOW 40 FLARE SLOW
<b>G</b>	40 CHAFF FAST 40 FLARE FAST
<b>H</b>	1 CHAFF
<b>I</b>	2 CHAFF
<b>J</b>	1 FLARE
<b>K</b>	2 FLARE
<b>L</b>	20 CHAFF SLOW
<b>M</b>	20 FLARE SLOW

**JAMMER MODES**

<b>AIR</b>
AIR-TO-AIR RADARS
<b>SAM 1</b>
OLDER RADAR SAMs <i>SA-3, SA-6, SA-8 etc.</i>
<b>SAM 2</b>
NEWER RADAR SAMs <i>SA-10, SA-11, SA-15, SA-19 etc.</i>
<b>AAA</b>
ANTI-AIRCRAFT GUNS <i>SHILKA, GEPARD etc.</i>

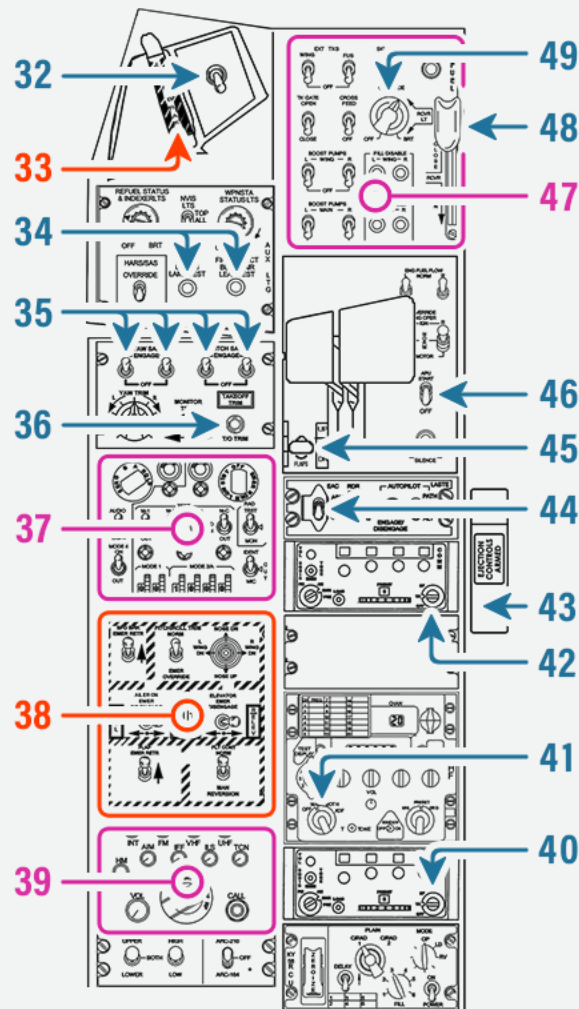
- 1 - LANDING GEAR HANDLE
- 2 - FLAP POSITION INDICATOR
- 3 - HUD MODE DAY/NIGHT
- 4 - LASER ARM
- 5 - ANTI-SKID
- 6 - LAND/TAXI LIGHTS
- 7 - MFC D OFF/DAY/NIGHT (LEFT)
- 8 - MASTER ARM
- 9 - GUN/PAC ARM
- 10 - EXTERNAL STORES JETTISON
- 11 - ACCELEROMETER (RESET)
- 12 - AHCP (ARMAMENT/HUD CONTROL PANEL)
- 13 - UFC (UP FRONT CONTROLLER)
- 14 - CMSC (CNTRMEAS. SET CONTROL)
- 15 - ALTIMETER (BARO PRESSURE)
- 16 - MFC D OFF/DAY/NIGHT (RIGHT)
- 17 - INTERSTATE TURBINE TEMP (ITT)
- 18 - ENGINE CORE RPM
- 19 - APU RPM
- 20 - FUEL IND TEST
- 21 - FUEL DISPLAY SELECTOR
- 22 - NMSP (NAV MODE SELECT PANEL)
- 23 - TISL (WARTHOG ONLY)
- 24 - EGI (EMBEDDED GPS/INS)
- 25 - PTR SWITCH (ADI BARS)
- 26 - AUXILIARY LANDING GEAR EXTENSION HANDLE
- 27 - SAI (STANDBY ATTITUDE INDICATOR) UNCAGE KNOB
- 28 - TGP SWITCH
- 29 - IFFCC SWITCH
- 30 - JTRS SWITCH
- 31 - CICU SWITCH



- 22 - NMSP (NAV MODE SELECT PANEL)
- 23 - TISL (WARTHOG ONLY)
- 24 - EGI (EMBEDDED GPS/INS)
- 25 - PTR SWITCH (ADI BARS)
- 26 - AUXILIARY LANDING GEAR EXTENSION HANDLE
- 27 - SAI (STANDBY ATTITUDE INDICATOR) UNCAGE KNOB
- 28 - TGP SWITCH
- 29 - IFFCC SWITCH
- 30 - JTRS SWITCH
- 31 - CICU SWITCH

## LEFT CONSOLE

- 32 - SEAT HEIGHT ADJUSTMENT
- 33 - EMERGENCY BRAKE HANDLE
- 34 - SIGNAL LIGHTS TEST, FIRE DETECT/BLEED AIR LEAK TEST
- 35 - SAS (STABILITY AUGMENTATION SYSTEM)
- 36 - T/O TRIM BUTTON
- 37 - IFF CONTROL PANEL
- 38 - EMERGENCY FLIGHT CONTROL PANEL
- 39 - INTERCOM VOLUME CONTROL
- 40 - VHF FM RADIO (AN/ARC-186)
- 41 - UHF RADIO (AN/ARC-164)
- 42 - VHF AM RADIO (AN/ARC-186)
- 43 - EJECTION SEAT ARM
- 44 - EAC SWITCH (LASTE PANEL)
- 45 - FLAP LEVER
- 46 - APU START SWITCH
- 47 - FUEL SYSTEM CONTROLS
- 48 - AIR REFUEL CONTROL HANDLE
- 49 - REFUELING LIGHT RHEOSTAT

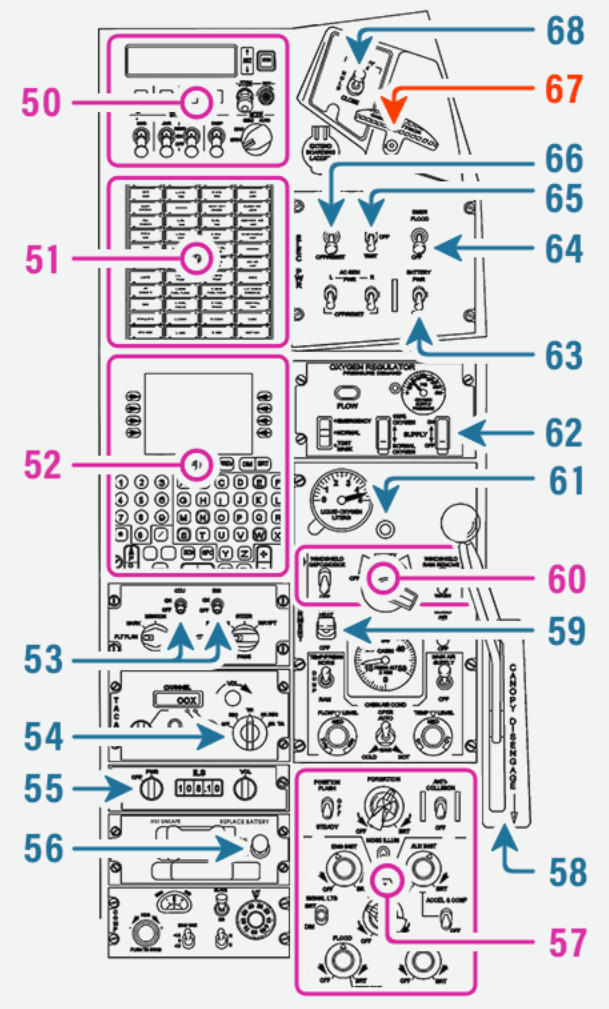


## RIGHT CONSOLE

- 50 - CMSP (COUNTERMEASURES SET PROCESSOR) / EWMU
- 51 - CAUTION ANNUNCIATION PANEL
- 52 - CDU (CONTROL DISPLAY UNIT)
- 53 - AAP (AVIONICS AUXILIARY PANEL) CDU SWITCH, EGI SWITCH

- 54 - TACAN CONTROL PANEL
- 55 - ILS CONTROL PANEL
- 56 - HMCS (HELMET-MOUNTED CUEING SYSTEM) ON/OFF (TANK KILLER ONLY)
- 57 - LIGHTING CONTROL PANEL

- 58 - CANOPY LOCK LEVER
- 59 - PITOT HEAT SWITCH
- 60 - DEFOG/DEICE PANEL
- 61 - OXY IND TEST BUTTON
- 62 - OXYGEN SUPPLY LEVER
- 63 - BATTERY SWITCH
- 64 - EMERGENCY FLOOD LIGHTS SWITCH
- 65 - INVERTER SWITCH
- 66 - APU GEN SWITCH
- 67 - CANOPY JETTISON
- 68 - CANOPY CONTROL



**QUICKSTART SEQUENCE:** 41 Both | 42 TR | 63 | 65 | 46 - wait 30s - 66 | 53 CDU on, EGI on  
 Left throttle IDLE - wait 50s - Right throttle IDLE | 28 | 29 | 30 | 31 | 7, 16 | 45 Half | 50 as req | 35 all 4  
 52 - wait for align "4.0 0.8", then press LSK "NAV" | 24 | 44 | 56 | 68 | 43 | 59 | 4 arm | 5 | 66, 46 off