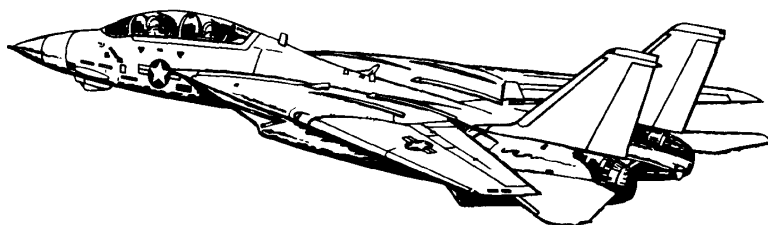


# Pocket Checklist

## F-14A/B AIRCRAFT

REV: 20210516



Procedures

Systems

AWG-9  
Radar

TCS  
ALQ-100

LANTIRN

A/G  
Weapons

A/A  
Weapons



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## 1 PROCEDURES

## 1.1 PILOT - PRE-START

1.	Parking Break	ENGAGED
2.	Ground Power	connected
3.	Compressed Air	connected
4.	ICS	HOT MIC
5.	TO RIO	"Begin Start-Up"
6.	ICS	Comm Check
7.	MASTER TEST Selector	(a) LTS <ul style="list-style-type: none"> <li>Warning Lights .....checked</li> <li>Caution Lights ..... checked</li> <li>Advisory Lights ..... checked</li> </ul> (b) FIRE DET/EXT <ul style="list-style-type: none"> <li>L FIRE GO ..... illuminated</li> <li>R FIRE GO ..... illuminated</li> </ul> (c) INST <ul style="list-style-type: none"> <li>RPM ..... 96%</li> <li>EGT ..... 960 C</li> <li>FF ..... 10500 pph</li> <li>AOA ..... <math>18 \pm 5</math></li> <li>Wing Sweep ..... <math>45 \pm 2.5</math></li> <li>FUEL QTY ..... <math>2000 \pm 200</math></li> <li>Oxygen QTY ..... 2 liters</li> <li>L&amp;R FF lights ..... illuminated</li> </ul> (d) OFF
8.	Ejection Seat	Armed
9.	RIO	Canopy Closed
10.	Oxygen	ON (FWD)
11.	Emergency Wing Sweep	OVERSWEEP

## 1.2 PILOT - ENGINE START

1.	<b>AIR SOURCE</b>	<b>OFF</b>
2.	<b>Hydraulics</b>	(a) <b>HYD TRANSFER PUMP ... SHUTOFF</b> (b) <b>Emerg. Hyd. .... AUTO (LOW)</b>
3.	<b>L&amp;R MASTER GEN</b>	<b>NORM</b>
4.	<b>RIO</b>	<i>"Ready to Start"</i>
5.	<b>Right Engine Start-Up</b>	(a) <b>Engine Crank .... R</b> (b) <b>R Eng N2 .... 20%</b> (c) <b>R Throttle .... IDLE</b> (d) <b>TIT .... &lt; 890 C during start</b> (e) <b>R GEN CAUTION .... extinguished</b>
6.	<b>Stabilized Parameters</b>	<ul style="list-style-type: none"> <li>• <b>RPM .... 62-78%</b></li> <li>• <b>TIT .... approx 500 C</b></li> <li>• <b>Fuel Flow .... 950-1400 pph</b></li> <li>• <b>NOZ .... 5 (100%)</b></li> <li>• <b>Oil Pressure .... 25-35 psi</b></li> <li>• <b>Hyd Pressure .... 3000 psi</b></li> </ul>
7.	<b>Left Engine Start-Up</b>	(a) <b>Engine Crank .... L</b> (b) <b>L Eng N2 .... 20%</b> (c) <b>L Throttle .... IDLE</b> (d) <b>TIT .... &lt; 890 C during start</b> (e) <b>L GEN Caution .... extinguished</b>
8.	<b>Stabilized Parameters</b>	<ul style="list-style-type: none"> <li>• <b>RPM .... 62-78%</b></li> <li>• <b>TIT .... approx 500 C</b></li> <li>• <b>Fuel Flow .... 950-1400 pph</b></li> <li>• <b>NOZ .... 5 (100%)</b></li> <li>• <b>Oil Pressure .... 25-35 psi</b></li> <li>• <b>Hyd Pressure .... 3000 psi</b></li> </ul>
9.	<b>HYD TRANSFER PUMP</b>	<b>NORM</b>
10.	<b>HYD PRESSURE</b>	<b>3000 psi</b>
11.	<b>AIR SOURCE</b>	<b>BOTH ENG</b>
12.	<b>Ground Power</b>	<b>disconnected</b>
13.	<b>Compressed Air</b>	<b>disconnected</b>

## 1.3 PILOT - POST-START

1.	<b>TO RIO</b>	<i>"Both Engines Running"</i>
2.	<b>Displays Control Panel</b>	<ul style="list-style-type: none"> <li>• <b>VDI</b> ..... <b>ON</b></li> <li>• <b>HUD</b> ..... <b>ON</b></li> <li>• <b>HSD</b> ..... <b>ON</b></li> <li>• <b>HDS MODE</b> ..... <b>TID</b> (monitor INS)</li> </ul>
3.	<b>RIO</b>	<b>Select Align Quality</b> <ul style="list-style-type: none"> <li>• <b>INS GO NOW:</b> shortest but least precise alignment</li> <li>• <b>INS GO COARSE:</b> does not meet Launch Criteria for AIM-7 / AIM-54</li> <li>• <b>INS GO MIN WPN LAUNCH:</b> allows AIM-7 / AIM-54 launch</li> <li>• <b>INS GO FINE</b> fine align (8 min)</li> </ul>
4.	<b>ACM Panel</b>	<ul style="list-style-type: none"> <li>• <b>GUN RATE</b> ..... as required</li> <li>• <b>SW COOL</b> ..... <b>OFF</b></li> <li>• <b>MSL PREP</b> ..... <b>OFF</b></li> <li>• <b>Missile MODE/STP</b> ..... <b>NORM</b></li> </ul>
5.	<b>Gun Rounds</b>	<b>Set</b>
6.	<b>ANTI-SKID SPOILER BK</b>	<b>OFF</b>
7.	<b>Emergency Wing Sweep</b>	(a) <b>Handle</b> ..... <b>AFT</b> (b) <b>Angle</b> ..... Verify 68 deg
8.	<b>AFCS Panel - SAS STAB AUG</b>	<ul style="list-style-type: none"> <li>• <b>PITCH</b> ..... <b>ON</b></li> <li>• <b>ROLL</b> ..... <b>ON</b></li> <li>• <b>YAW</b> ..... <b>ON</b></li> </ul>
9.	<b>WING/EXT TRANS</b>	<b>AUTO</b>
10.	<b>UHF 1 Function Selector</b>	<b>BOTH</b>
11.	<b>TACAN Function Selector</b>	<b>T/R</b>
12.	<b>ARA-63 ICLS RECEIVER</b>	<b>ON</b>

13. Radar Altimeter	(a) Control Knob one click CW to turn on (b) Display .....6000 ft (warm up) (c) Display ..... 0 ft (ready)
14. Standby ADI	erect at least 2 min before T/O
15. KY-28 Crypt. Key	Set (refer to GROUND SETTINGS kb)
16. RIO	set D/L frequency
17. Lights	As desired



## 1.4 RIO - PRE-START

1. <b>Oxygen</b>	ON (FWD)
2. <b>PILOT</b>	<ul style="list-style-type: none"> <li>• Ground Power ..... connected</li> <li>• Compressed Air ..... connected</li> </ul>
3. <b>ICS</b>	Comm Check
4. <b>Lights</b>	As required
5. <b>LTS Test</b>	Coordinate with Pilot
6. <b>Ejection Seats</b>	ARMED
7. <b>Canopy</b>	CLOSED
8. <b>TO PILOT</b>	"Ready to Start"

## 1.5 RIO - POST-START - SHORE

1. <b>PILOT</b>	<ul style="list-style-type: none"> <li>• Engines ..... started</li> <li>• AIR SOURCE ..... BOTH ENG</li> </ul>
2. <b>INS STARTUP</b>	(a) LIQUID COOLING ..... ON (FWD) (b) WCS Switch ..... STANDBY (c) IR/TV Power ..... STBY/IR/TV (d) TID/DDD ..... illuminated after 40 s
3. <b>Kneeboard</b>	Retrieve Coordinates, Elevation, Magnetic Variation from GROUND SETTINGS Page

**WARNING** Input Coords **BEFORE** selecting **GND ALIGN** if using ASH

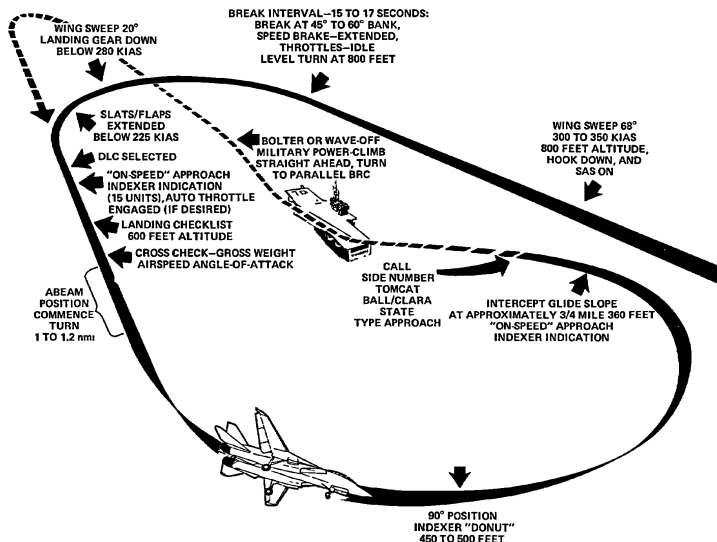
4. <b>Start INS Align</b>	(a) <b>Nav Mode</b> ..... GND ALIGN (b) <b>CAP</b> <ul style="list-style-type: none"> <li>• Category ..... NAV</li> <li>• MESSAGE ..... OWN AC</li> </ul> (c) <b>Keyboard</b> <ul style="list-style-type: none"> <li>• CLEAR, LAT, latitude, ENTER</li> <li>• LONG, longitude, ENTER</li> <li>• ALT, altitude, ENTER</li> </ul> (d) <b>CAP MESSAGE</b> ..... MAG HDG VAR (e) <b>Keyboard</b> ..... HDG, mag var, ENTER (f) <b>Alignment Progress</b> ..... Monitor
5. <b>U/VHF Mode</b>	T/R G

6. <b>Datalink</b>	(a) <b>Kneeboard</b> ..... TACTICAL DL (b) <b>DL Power</b> ..... ON (FWD) (c) <b>DL Mode</b> ..... TAC (AFT) (d) <b>DL Freq.</b> ..... Set
7. <b>TACAN</b>	T/R
8. <b>RWR Panel</b>	(a) <b>Display Type</b> ..... NORM (b) <b>PWR</b> ..... ON (c) <b>TEST</b> ..... SPL (d) <b>MODE</b> ..... LMT
9. <b>DECM</b>	STBY, then ACT
10. <b>IFF</b>	(a) <b>MASTER</b> ..... STBY (b) <b>CODE</b> ..... as required
11. <b>Altimeter</b>	Reset
12. <b>CAP</b>	Enter Data (WP, FP, etc.)
13. <b>Displays</b>	<ul style="list-style-type: none"> <li>• <b>DDD</b> ..... Set</li> <li>• <b>TID</b> ..... Set</li> <li>• <b>Multiple Display Indicator</b> ..... Set</li> </ul>
14. <b>Hand Control Panel</b>	Set
15. <b>AN/ALE-39</b>	Set (as required) <ul style="list-style-type: none"> <li>• <b>AUTO (CHAFF)/MAN</b></li> <li>• <b>MAN</b></li> </ul>
16. <b>Flare Mode</b>	PILOT
17. <b>Complete INS Align</b>	<ul style="list-style-type: none"> <li>• <b>Duration Full Fine</b> ..... 8 min</li> <li>• <b>Duration ASH</b> ..... much faster</li> </ul> (a) <b>Align Complete</b> .... Caret → Diamond (b) <b>NAV Mode</b> ..... INS NAV
18. <b>Standby ADI</b>	Erect at least 2 min before T/O
19. <b>TO PILOT</b>	"Ready to Taxi"
<b>Once Airborne</b>	
20. <b>IR/TV Power</b>	ON
21. <b>WCS Switch</b>	WCS XMT

## 1.6 RIO - POST-START - CARRIER

1. <b>PILOT</b>	<ul style="list-style-type: none"> <li>Engines ..... started</li> <li>AIR SOURCE ..... BOTH ENG</li> </ul>
2. <b>INS STARTUP</b>	(a) LIQUID COOLING ..... ON (FWD) (b) WCS Switch ..... STANDBY (c) IR/TV Power ..... STBY/IR/TV (d) TID/DDD ..... illuminated after 40 s
3. <b>Datalink</b>	(a) Kneeboard ..... TACTICAL DL (b) DL Power ..... ON (FWD)
4. <b>Start INS Align</b>	(a) DL FREQ ..... Set (b) DL Mode ..... CAINS/WAYPT (c) Nav Mode ..... CVA
5. <b>U/VHF Mode</b>	T/R G
6. <b>TACAN</b>	T/R
7. <b>RWR Panel</b>	(a) Display Type ..... NORM (b) PWR ..... ON (c) TEST ..... SPL (d) MODE ..... LMT
8. <b>DECM</b>	STBY, then ACT
9. <b>IFF</b>	(a) MASTER ..... STBY (b) CODE ..... as required
10. <b>Altimeter</b>	Reset
11. <b>CAP</b>	Enter Data (WP, FP, etc.)
12. <b>Displays</b>	<ul style="list-style-type: none"> <li>DDD ..... Set</li> <li>TID ..... Set</li> <li>Multiple Display Indicator ..... Set</li> </ul>
13. <b>Hand Control Panel</b>	Set
14. <b>AN/ALE-39</b>	Set (as required) <ul style="list-style-type: none"> <li>AUTO (CHAFF)/MAN</li> <li>MAN</li> </ul>
15. <b>Flare Mode</b>	PILOT
16. <b>Complete INS Align</b>	<ul style="list-style-type: none"> <li>Duration Full Fine ..... 9 min</li> <li>Duration ASH ..... much faster</li> </ul> (a) Align Complete .... Caret → Diamond (b) NAV Mode ..... INS NAV

17.	Datalink	(a) DL Mode ..... TAC (AFT) (b) DL Freq. .... Set
18.	Standby ADI	Erect at least 2 min before T/O
19.	TO PILOT	"Ready to Taxi"
Once Airborne		
20.	IR/TV Power	ON
21.	WCS Switch	WCS XMT



## 1.7 PRE-TAXI

1. **ANTI-SKID SPOILER BK** ... OFF
2. **HOOK BYPASS** ..... As required
3. **Nose Strut** ..... RETRACTED
4. **HUD Mode** ..... TO
5. **Parking Brake** ..... Released (IN)
6. **NWS** ..... Engaged
7. **Path** ..... clear
8. **Begin Taxi**

## 1.8 TAKEOFF - SHORE

Once lined up on the Runway

1. **Em Wing Sweep** ..... forward, then push down
2. **MASTER RESET** ..... Press
3. **Wing Sweep** . Verify thumb switch
4. **Wing Sweep** ..... AUTO
5. **Verify** ..... wings at 20 deg
6. **ANTI-SKID SPOILER BK** .. BOTH (UP)
7. **FLAPS** ..... UP
8. **Trim** ..... 0 deg
9. **NWS** ..... disengage

10. **Throttle** ..... MIL (90% RPM)
11. **Stick** ..... back at 130 kts
12. **Rotation** ..... 140 kts
13. **Gear** ..... UP (<250 kts)

## 1.9 TAKEOFF - CARRIER

- Wait behind JBD until Catapult is clear
- Follow Taxi Directors instructions to line up on Catapult

1. **Taxi Director** ..... unsweep wings
2. **Em Wing Sweep** ..... forward, then push down
3. **MASTER RESET** ..... Press
4. **Wing Sweep** . Verify thumb switch
5. **Wing Sweep** ..... AUTO
6. **Verify** ..... wings at 20 deg
7. **FLAPS** ..... DOWN
8. **Nose Strut** ..... KNEEL (when directed)
9. **Taxi Director** ..... throttle up

- Throttle up and move forward to hook launch bar into shuttle

- Throttle to idle when directed
10. **Trim** ..... 2-3 deg nose up
  11. **Speed Brakes** ..... IN
  12. **Shooter** ..... Engine Run Up
  13. **Throttle** ..... MIL (90% RPM)
  14. **Control Wipeout**
    - Stick Full Forward
    - Stick Full Aft
    - Stick Full Left
    - Stick Full Right
    - Rudder Full Left
    - Rudder Full Right
  15. **Engine Instruments** ..... Check
  16. **Caution/Warning** ..... None
  17. **Salute**
  18. **Gear** ..... UP (<250 kts)
  19. **Flaps** ..... UP (<225 kts)
  20. **Clearing Turn**

## 1.10 LANDING - SHORE VFR

1. **ANTI-SKID SPILER BK** ... BOTH (UP)
2. **Landing Lights** ..... ON
3. **Wing Sweep** .... MANUAL 68 deg
4. **Trim** ..... as required
5. **HUD** ..... LDG
6. **Initial Point**
  - **Airspeed** ..... 300-350kts
  - **Alt** ..... 800ft
7. **Break**
  - **Speed Brake** ..... extended
  - **Throttle** ..... IDLE
  - **Turn** .. 45-60 deg bank angle
8. **Wing Sweep** ... AUTO (< 280 kts)
9. **Gear** ..... DOWN (< 250 kts)
10. **Flaps** ..... DOWN (< 225 kts)
11. **DLC** ..... Toggle on
12. **Downwind Leg**
  - **Airspeed** ..... 140-150 kts
  - **Alt** ..... 600 ft
  - **AOA** ..... ON SPEED
13. **Crosswind**
  - **Bank Angle** ..... 25 deg
  - **Descent Rate** ..... 150 fpm
  - **90-deg Point** ..... 450-500 ft
  - **45-deg Point** ..... 350-400 ft
14. **Final**
  - **AOA** ..... ON SPEED

## 1.11 LANDING - CV CASE I

**1.12 AIRSTART - SPOOLDOWN**

Immediately after engine loss before significant spooldown

1. **Throttle** ..... IDLE or above

If no relight occurs

2. **Throttle** ..... OFF then IDLE

If still no relight

3. **ENG MODE SELECT** ..... SEC

If still no relight

4. **Throttle** ..... OFF then IDLE

After successful airstart in SEC

5. **ENG MODE SELECT** ..... PRI

**1.13 CROSS-BLEED RESTART**

With one engine running if spooldown fails

1. **Non-Running Throttle** ..... OFF
2. **FUEL SHUT OFF** ..... check
3. **Running throttle** ..... 80%+
4. **BACK UP IGNITION** ..... ON
5. **ENG CRANK** ..... non-running eng
6. **Non-Running Throttle** ..... IDLE

If no start occurs

7. **Non-Running Throttle** ..... OFF  
then IDLE

If still no start

8. **ENG MODE** ..... SEC
9. **Non-Running Throttle** ..... OFF  
then IDLE

After successfull airstart

10. **BACK UP IGNITION** ..... OFF
11. **ENG MODE** ..... PRI if possible

**1.14 WINDMILL RESTART**

1. **Airspeed** ..... >450 kts
2. **Throttle** ..... IDLE or above
3. **BACK UP IGNITION** ..... ON

If no relight occurs

4. **Throttle** ..... OFF then IDLE

If still no relight

5. **ENG MODE** ..... SEC
6. **Throttle** ..... OFF then IDLE

After successful airstart

7. **BACK UP IGNITION** ..... OFF
8. **ENG MODE** ..... PRI



1.15 **AIRSTART - SPOOLDOWN**

Immediately after engine loss before significant spooldown

1. <b>Throttle</b>	<b>IDLE</b> or above
2. <b>Throttle</b>	If no relight occurs <b>OFF</b> then <b>IDLE</b>
3. <b>ENG Mode Select</b>	If still no relight occurs, <b>SEC</b>
4. <b>Throttle</b>	If no start after mode switch <b>OFF</b> then <b>IDLE</b>
5. <b>ENG MODE SELECT</b>	After successful airstart in SEC <b>PRI</b> if possible



## 2 SYSTEMS

2.1 AFCS

2.2 WING SWEEP

2.3 NAVIGATION

2.4 COMMUNICATION

2.5 DATALINK / IFF

## 2.6 RWR THREAT SYMBOLOGY

## SHIPS

AB | Arleigh Burke

AK | Admiral Kuznetsov

GR | Grisha 5 (Albatros)

HP | Oliver Hazard Perry

J2 | Type 054A Frigate,  
"Jiangkai II class"

KK | Krivak 3 (Rezky)

KV | Kirov (Pyotr Velikiy)

L1 | Type 052B Destroyer,  
"Luyang I class"L2 | Type 052C Destroyer,  
"Luyang II class"N | *Ship with Nav Radar*

NE | Neustrashimy

NZ | Nimitz (Vinson, Stennis)

SV | Slava (Moscow)

TC | Ticonderoga

TT | Tarantul 3 (Molniya)

TW | Tarawa

YU | Type 071 Amphibious  
Transport Dock, "Yuzhao  
class"

## AIRCRAFT

14 | F-14A/B

15 | F-15C/E

16 | F-16C

17 | JF-17

18 | F/A-18C

19 | MiG-19

21	MiG-21bis
23	MiG-23MLD
24	Su-24M/MR
25	MiG-25PD
29	MiG-29A/G/S Su-27 Su-33 J-11A
30	Su-30
31	MiG-31
34	Su-34
37	AJS-37
39	Su-25TM
50	A-50
52	B-52
AN	AN-26B AN-30M
AP	AH-64D
B1	B-1B
BE	Tu-95 Tu-142M
BF	Tu-22M3
BJ	Tu-160
E2	E-2D
E3	E-3C
F4	F-4E
F5	F-5E
HX	Ka-27
IL	IL-76MD IL-78M
KC	KC-135

KJ	KJ-2000
M2	Mirage 2000-C Mirage 2000-5
S3	S-3B
SH	SH-60B
TO	Tornado
TR	C-130 C-17A

## AIR DEFENSE

2	S-75 TR SNR (SA-2) "Fan Song"
3	S-125 TR SNR-125 (SA-3) "Low Blow"
6	Kub SA-6
7	HQ-7 TR
8	OSA (SA-8)
10	S-300PS 30N6 TR (SA-10)
11	Buk (SA-11)
12	S-300V
15	Tor 9A331 (SA-15)
19	Tunguska 2C6M (SA-19)
A	Gepard M-163 Vulcan ZSU-23-4 Shilka
BB	S-300PS 64H6E SR (SA-10/Big Bird)
BF	Rapier Blindfire TR
CS	S-300PS 5N66M SR (SA-10/Clam Shell)
DE	Sborka (Dog Ear)
FF	S-125 P-19 SR (SA-3/Flat Face)
GR	Roland SR

<b>HA</b>	Hawk SR
<b>HK</b>	Hawk TR
<b>HQ</b>	HQ-7 SR
<b>PT</b>	Patriot
<b>RO</b>	Roland
<b>RP</b>	Rapier SR
<b>S</b>	1L13 55G6 EWR
<b>SD</b>	Buk TR (SA-11/Snow Drift)
<b>SN</b>	PRW-11 (Side Net)

**MISSILES**

<b>M</b>	AIM-54 AIM-120 MICA-EM R-37 R-77 SD-10
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**ATC**

<b>T</b>	Airport ATC Radar
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## 3 AWG-9 RADAR

## 3.1 TID SYMBOLOGY

## GENERAL

Center Dot	•
Own AC	
TID Cursor	
TWS Steering Centroid	

## ONBOARD SENSORS

Unknown	
Hostile	
Friend	
Angle-Tracked Radar Target	
Angle-Tracked Radar Target with Altitude Difference Ranging	
TCS-Angle Tracked Target	
TCS-Angle Tracked Target with Altitude Difference Ranging	

## D/L TARGETS

Unknown	
Hostile	
Friendly	

## MANUAL REF POINTS















Home base	
Waypoint	
Defended Point	
Fixed Point	
Hostile Area	
Surface Target	
IP	

## D/L REF POINTS

Home Base	
Waypoint	
Data Link Fixed Point	
Surface Target	

## POS SYMB MODIFIERS

Mandatory Attack	
Data Link Destroy	
Do Not Attack	
Multiple Targets	
Data Link Challenge	
Track Extrapolated	

Altitude Numerics	
Firing Order Numerics	
Time-to-Impact (TTI)	
Velocity Vector	
Launch Zone Vectors	
Jamming Strobe	
Radar Antenna Scan Pattern Azimuth Limits	
Data Link Jamming Strobe	
Data Link Pointer	
Data Link Priority Kill	
<b>ATTACK DISPLAY SYMB</b>	
Artificial Horizon	
Steering Guidance Symbol	
Allowable Steering Error Circle	
Breakaway Indication	



**4 TCS/ALQ-100**

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TCS

TCS

**5 LANTIRN**

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**LANTIRN**



**6 A/G WEAPONS**

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6.1 **UNGUIDED BOMB - CCIP**

6.2 **UNGUIDED BOMB - CCRP**

6.3 **ZUNI ROCKETS**

6.4 **M61 GUN**

6.5 **TCS**

6.6 **GBU-12 PAVEWAY II**

6.7 **TALD DECOYS**

A/G

**7 A/A WEAPONS**

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- 7.1 **M61 GUN (MANUAL)**
- 7.2 **M61 GUN (RTGS/NO RADAR)**
- 7.3 **M61 GUN (RADAR)**
- 7.4 **AIM-9 SIDEWINDER (SIL)**
- 7.5 **AIM-9 SIDEWINDER (RADAR)**
- 7.6 **AIM-7 SPARROW**
- 7.7 **AIM-54 PHOENIX (SINGLE)**
- 7.8 **AIM-54 PHOENIX (MULTI)**





