Pocket Checklist

AH-64D AIRCRAFT

REV: 20220320

48 FT DIA

6 FT 10 IN

11 FT 2 IN

16 FT 4 IN
15 FT 6 IN
9 FT 11 IN
16 FT 1 IN
11 FT 10 IN
13 FT 4 IN
6 FT 8 IN

43 FT 11 IN
38 FT 11 IN
9 FT 2 IN. DIA
17 FT 6 IN
14 FT 1 IN
11 FT 8 IN
9 FT 2 IN
48 FT 2 IN
49 FT 1 IN
57 FT 8 IN
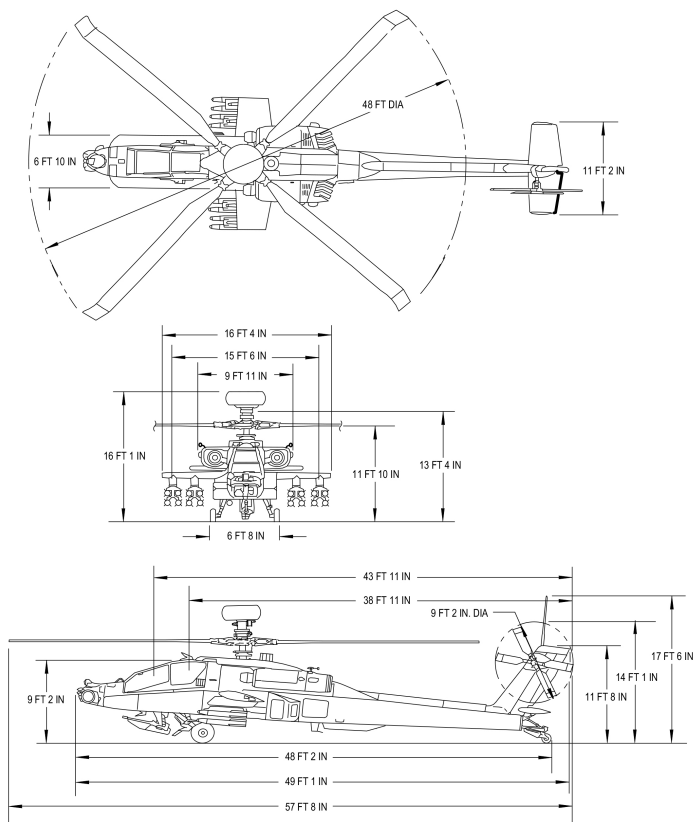
- Procedures
- Aircraft Systems
- Navigation TSD
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DISCLAIMER

This document represents a personal project and is intended for entertainment purposes only. Do not use for training purposes or in real life scenarios.

Contents

Chapter 1

PROCEDURES

Contents

1.1 START-UP

1.1.1 INTERIOR CHECKS

•	**Canopy Door (PLT/CPG)**	**As Desired**

	LEFT SIDE – BACK TO FRONT	
•	**Lights Panel (PLT/CPG)**	• **EXT LT/INTR LT Panel** . . . . **As Required** *(PLT)* • **INTR LT Panel** . . . . **As Required** *(CPG)*
•	**Power Levers (PLT/CPG)**	**OFF**
•	**ENG START Switches (PLT)**	**OFF**
•	**RTR BRK Switch (PLT)**	**OFF**
•	**NVS MODE Switch (PLT/CPG)**	**OFF**

	FRONT PANEL – LEFT TO RIGHT	
•	**KU Brightness Knob (PLT/CPG)**	**As Desired**
•	**VIDEO Panel (PLT)**	**Knobs at 12 o'clock**
•	**MPD/EUFD Brightness Knob (PLT/CPG)**	**As Desired**
•	**CMWS (PLT)**	• **CMWS Control Indicator PWR** . . . . **OFF** • **CMWS/NAV Switch** . . . . **CMWS** • **BYPASS/AUTO Switch** . . . . **AUTO** • **JETTISON Switch** . . . . **OFF**
•	**TEDAC R Grip LT (CPG)**	**OFF**
•	**PARK BRAKE (PLT)**	**SET**, Handle out
•	**Standby Instruments (PLT)**	**Check**, caged

RIGHT SIDE – FRONT TO BACK

•	**COMM Panel (PLT/CPG)**	**As Desired**
•	**HDU (PLT/CPG)**	**As Desired**

1.1.2 APU-START

PRE APU START

1.	**MSTR IGN Switch (PLT)**	**BATT**
2.	**Searchlight (PLT)**	**As Required**
3.	**TAIL WHEEL Button (PLT)**	**Locked**, UNLOCKED Light is off
4.	**EMERG HYD Button (PLT/CPG)**	Verify **ON Light** not illuminated
5.	**Cautions (PLT/CPG)**	**Check MSTR WARN, MSTR CAUT, EUFD**
6.	**Fire Test (PLT/CPG)**	(a) **FIRE DET/EXTG TEST** . . . . . **Position 1** (PLT) (b) **FIRE DET/EXTG TEST** . . . . **Position 2** (CPG) *In each position, both crewmembers should check the following* • **MSTR WARN** . . . . **illuminated** • **ENG 1 FIRE** . . . . **illuminated** • **APU FIRE** . . . . **illuminated** • **ENG 2 FIRE** . . . . **illuminated** • **AFT DECK FIRE** . . . . EUFD Warning • **Voice Warning System** . . . . activates

APU START

7.	**APU (PLT)**	(a) **APU Button** . . . . **Press & Release** (b) **EUFD** . . . . **Observe Advisories** • **APU START** • **APU POWER ON** • **ACCUM OIL PRESS LO**

POST APU START

8.	**Canopy (PLT/CPG)**	**As Desired**
9.	**DTU Page (PLT/CPG)**	**Select Load**
10.	**Menu Page (PLT/CPG)**	**Perform DMS Sweep**

1.1.3 DMS SWEEP

NOTE

- **Recommended Technique: Clockwise from top right of any page**
- Exact sweep may vary based on mission requirements

• **'M' Page** (PLT/CPG)	• **ASE–UTIL**
	– **RLWR VOICE** . . . . **As Desired**
	– **Chaff Settings** . . . . **As Desired**
	– **CHAFF Mode** . . . . **As Desired**
	• **AUTOPAGE** . . . . **As Desired**
• **TSD Page** (PLT/CPG)	• **SHOW**
	– **PHASE** . . . . **Select ATK**
	– **THRT SHOW** . . . . **As Desired**
	– **COORD SHOW** . . . . **As Desired**
	– **PHASE** . . . . **Select NAV**
	– **COORD SHOW** . . . . **As Desired**
	• **UTIL**
	– **TIME** . . . . **As Desired**
	– **SYSTEM TIME** . . . . **As Desired**
	• **SCALE** . . . . **As Desired**
	• **CTR** . . . . **As Desired**
	• **RTE**
	– **DIR** . . . . **Set Desired Point**
	• **MAP**
	– **GRID** . . . . **As Desired**
	– **ORIENT** . . . . **As Desired**
	– **COLOR BAND** . . . . **As Desired**
	– **TYPE** . . . . **As Desired**
	• **INST**
	– **UTIL** . . . . **Select**
	– **ADF** . . . . **ON**
	configure as necessary

- **WPN Page** (PLT/CPG)
  - **GRAYSCALE** . . . .**Select & Optimize**
  - **BORESIGHT** . . . . **Select & Perform**
    (Both Crewmembers)
  - **GUN**
    – **BURST LIMIT** . . . .**As Desired**
    – **MODE** . . . . **As Desired**
  - **MSL**
    – **CODE** . . . .**Select**
    – **SET** . . . .**Select**
    – **LRFD** . . . . **As Desired**
    – **LST** . . . . **As Desired**
  - **PRI/ALT** . . . .**As Required**
  - **RKT**
    – **INVENTORY** . . . . **As Desired**
    – **QTY** . . . . **As Desired**
  - **ACQ** . . . . **As Desired**
  - **MANRNG** . . . . **As Desired**
    ('A' for Auto-Range)

- **A/C Page** (PLT/CPG)
  - **FLT–SET**
    – **HI / LO** . . . .**As Desired**
    – **UNIT** . . . . **As Desired**
    – **ALT or PRES** . . . . **As Desired**
    – **UNIT** . . . . **As Desired**
  - **FUEL–CHECK**
    – **Timer** . . . . **As Desired**
  - **PERF–WT**
    – **AC BASIC** . . . . **Verify/Update**
    – **LEFT AFT BAY** . . . . **Verify/Update**
    – **SURVIVAL KIT BAY** . . . . **Verify/Update**
    – **PILOT** . . . . **Verify/Update**
    – **CPG** . . . . **Verify/Update**
  - **UTIL**
    – **SYSTEM** . . . .**As Desired**

- **COMM Page** (PLT/CPG)
  - **MAN**
    – **VHF FREQ** . . . .**Set**
    – **UHF FREQ** . . . .**Set**
    – **FM1 FREQ** . . . .**Set**
    – **FM2 FREQ** . . . .**Set**

NOTE

- **Recommended MPD Setup: Right MPD** set to TSD, **Left MPD** used as *"Working MPD"*

1.1.4 ENGINE-START

PRE ENGINE START

1.	**NVS Mode Switch (PLT/CPG)**	**As Desired**
2.	**Standby ADI (PLT)**	**Uncage**

ENGINE START

3.	**RTR BRK Switch (PLT)**	**OFF** or **LOCK** for rotor lock start
4.	**EXT LT ANTI COL (PLT)**	**WHT** for day, **RED** for night

5.	**ENG 1 Start (PLT)**	(a) **ENG 1 START Switch** . . . . **START**
		(b) **EUFD** . . . . **ENG 1 START**
		(c) **ENG TGT** . . . . < 80 deg C
		(d) **Power Lever** . . . . **IDLE**
		(e) **Monitor**
		    • **TGT**
		    • **NG**
		    • **MSTR WARN/CAUT**
		    • **EUFD**

6.	**ENG 2 Start (PLT)**	(a) **ENG 2 START Switch** . . . . **START**
		(b) **EUFD** . . . . **ENG 2 START**
		(c) **ENG TGT** . . . . < 80 deg C
		(d) **Power Lever** . . . . **IDLE**
		(e) **Monitor**
		    • **TGT**
		    • **NG**
		    • **MSTR WARN/CAUT**
		    • **EUFD**

7.	**RTR BRK Switch (PLT)**	**OFF**
8.	**Stabilized Parameters (PLT)**	• **ENG 1 & 2 OIL PRES** – < 70 PSI • **NGB TEMP** – > 20 deg C

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9.	**Power Levers (PLT)**	Advance smoothly to **FLY**
10.	**NP & NR (PLT)**	Verify 101%
11.	**APU (PLT)**	**OFF**

1.1.5 PRE-TAXI

1.	**EXT LT Panel (PLT)**	Verify **NAV** lights set to **BRT**, **ANTI-COL** Set as required
2.	**Searchlight (PLT/CPG)**	**As Required**
3.	**PARKING BRAKE (PLT)**	**Released**, Handle in
4.	**TAIL WHEEL Button (PLT)**	**UNLOCK** as desired

1.2 START-UP (ITEMIZE)

1.2.1 INTERIOR CHECKS

- **Canopy Door (PLT/CPG)** . . . . **As Desired**
- **Lights Panel (PLT/CPG)**
    - **EXT LT/INTR LT Panel** . . . . **As Required** *(PLT)*
    - **INTR LT Panel** . . . . **As Required** *(CPG)*
- **Power Levers (PLT/CPG)** . . . . **OFF**
- **ENG START Switches (PLT)** . . . . **OFF**
- **RTR BRK Switch (PLT)** . . . .**OFF**
- **NVS MODE Switch (PLT/CPG)** . . . .**OFF**
- **KU Brightness Knob (PLT/CPG)** . . . .**As Desired**
- **VIDEO Panel (PLT)** . . . . **Knobs at 12 o'clock**
- **MPD/EUFD Brightness Knob (PLT/CPG)** . . . .**As Desired**
- **CMWS (PLT)**
    - **CMWS Control Indicator PWR** . . . . **OFF**
    - **CMWS/NAV Switch** . . . .**CMWS**
    - **BYPASS/AUTO Switch** . . . . **AUTO**
    - **JETTISON Switch** . . . .**OFF**
- **TEDAC R Grip LT (CPG)** . . . . **OFF**
- **PARK BRAKE (PLT)** . . . . **SET**, Handle out
- **Standby Instruments (PLT)** . . . . **Check**, caged
- **COMM Panel (PLT/CPG)** . . . . **As Desired**
- **HDU (PLT/CPG)** . . . .**As Desired**

1.2.2 APU-START

(a) **MSTR IGN Switch (PLT)** . . . . **BATT**

(b) **Searchlight (PLT)** . . . . **As Required**

(c) **TAIL WHEEL Button (PLT)** . . . . **Locked**, UNLOCKED Light is off

(d) **EMERG HYD Button (PLT/CPG)** . . . . Verify **ON Light** not illuminated

(e) **Cautions (PLT/CPG)** . . . . . . **Check MSTR WARN, MSTR CAUT, EUFD**

(f) **Fire Test (PLT/CPG)**

   (a) **FIRE DET/EXTG TEST** . . . . **Position 1** (PLT)

   (b) **FIRE DET/EXTG TEST** . . . . **Position 2** (CPG)

   In each position, both crewmembers should check the following

   • **MSTR WARN** . . . . **illuminated**

   • **ENG 1 FIRE** . . . . **illuminated**

   • **APU FIRE** . . . . **illuminated**

   • **ENG 2 FIRE** . . . . **illuminated**

   • **AFT DECK FIRE** . . . . EUFD Warning

   • **Voice Warning System** . . . . activates

(g) **APU (PLT)**

   (a) **APU Button** . . . . **Press & Release**

   (b) **EUFD** . . . . **Observe Advisories**

      • **APU START**

      • **APU POWER ON**

      • **ACCUM OIL PRESS LO**

(h) **Canopy (PLT/CPG)** . . . . **As Desired**

(i) **DTU Page (PLT/CPG)** . . . . **Select Load**

(j) **Menu Page (PLT/CPG)** . . . . **Perform DMS Sweep**

1.2.3 DMS SWEEP

NOTE

- **Recommended Technique: Clockwise from top right of any page**
- Exact sweep may vary based on mission requirements

- **'M' Page**
  - **ASE–UTIL**
    - ∗ **RLWR VOICE** . . . . **As Desired**
    - ∗ **Chaff Settings** . . . . **As Desired**
    - ∗ **CHAFF Mode** . . . . **As Desired**
  - **AUTOPAGE** . . . . **As Desired**
- **TSD Page**
  - **SHOW**
    - ∗ **PHASE** . . . . **Select ATK**
    - ∗ **THRT SHOW** . . . . **As Desired**
    - ∗ **COORD SHOW** . . . . **As Desired**
    - ∗ **PHASE** . . . . **Select NAV**
    - ∗ **COORD SHOW** . . . . **As Desired**
  - **UTIL**
    - ∗ **TIME** . . . . **As Desired**
    - ∗ **SYSTEM TIME** . . . . **As Desired**
  - **SCALE** . . . . **As Desired**
  - **CTR** . . . . **As Desired**
  - **RTE**
    - ∗ **DIR** . . . . **Set Desired Point**
  - **MAP**
    - ∗ **GRID** . . . . **As Desired**
    - ∗ **ORIENT** . . . . **As Desired**
    - ∗ **COLOR BAND** . . . . **As Desired**
    - ∗ **TYPE** . . . . **As Desired**
  - **INST**
    - ∗ **UTIL** . . . . **Select**
    - ∗ **ADF** . . . . **ON**
      configure as necessary

- **WPN Page**
    - **GRAYSCALE** . . . . **Select & Optimize**
    - **BORESIGHT** . . . . **Select & Perform**
      (Both Crewmembers)
    - **GUN**
        - ∗ **BURST LIMIT** . . . . **As Desired**
        - ∗ **MODE** . . . . **As Desired**
    - **MSL**
        - ∗ **CODE** . . . . **Select**
        - ∗ **SET** . . . . **Select**
        - ∗ **LRFD** . . . . **As Desired**
        - ∗ **LST** . . . . **As Desired**
    - **PRI/ALT** . . . . **As Required**
    - **RKT**
        - ∗ **INVENTORY** . . . . **As Desired**
        - ∗ **QTY** . . . . **As Desired**
    - **ACQ** . . . . **As Desired**
    - **MANRNG** . . . . **As Desired**
      ('A' for Auto-Range)

- **A/C Page**
    - **FLT–SET**
        - ∗ **HI / LO** . . . . **As Desired**
        - ∗ **UNIT** . . . . **As Desired**
        - ∗ **ALT or PRES** . . . . **As Desired**
        - ∗ **UNIT** . . . . **As Desired**
    - **FUEL–CHECK**
        - ∗ **Timer** . . . . **As Desired**
    - **PERF–WT**
        - ∗ **AC BASIC** . . . . **Verify/Update**
        - ∗ **LEFT AFT BAY** . . . . **Verify/Update**
        - ∗ **SURVIVAL KIT BAY** . . . . **Verify/Update**
        - ∗ **PILOT** . . . . **Verify/Update**
        - ∗ **CPG** . . . . **Verify/Update**
    - **UTIL**
        - ∗ **SYSTEM** . . . . **As Desired**

- **COMM Page**
    - **MAN**
        - ∗ **VHF FREQ** . . . . **Set**
        - ∗ **UHF FREQ** . . . . **Set**
        - ∗ **FM1 FREQ** . . . . **Set**
        - ∗ **FM2 FREQ** . . . . **Set**

NOTE

- **Recommended MPD Setup: Right MPD** set to TSD, **Left MPD** used as *"Working MPD"*

1.2.4 ENGINE-START

- (a) **NVS Mode Switch (PLT/CPG)** . . . . **As Desired**
- (b) **Standby ADI (PLT)** . . . . **Uncage**
- (c) **RTR BRK Switch (PLT)** . . . . **OFF** or **LOCK** for rotor lock start
- (d) **EXT LT ANTI COL (PLT)** . . . . **WHT** for day, **RED** for night
- (e) **ENG 1 Start (PLT)**
    - (a) **ENG 1 START Switch** . . . . **START**
    - (b) **EUFD** . . . . **ENG 1 START**
    - (c) **ENG TGT** . . . . < 80 deg C
    - (d) **Power Lever** . . . . **IDLE**
    - (e) **Monitor**
        - **TGT**
        - **NG**
        - **MSTR WARN/CAUT**
        - **EUFD**
- (f) **ENG 2 Start (PLT)**
    - (a) **ENG 2 START Switch** . . . . **START**
    - (b) **EUFD** . . . . **ENG 2 START**
    - (c) **ENG TGT** . . . . < 80 deg C
    - (d) **Power Lever** . . . . **IDLE**
    - (e) **Monitor**
        - **TGT**
        - **NG**
        - **MSTR WARN/CAUT**

- **EUFD**

(g) **RTR BRK Switch** **(PLT)** . . . .**OFF**

(h) **Stabilized Parameters** **(PLT)**

- **ENG 1 & 2 OIL PRES** – < 70 PSI
- **NGB TEMP** – > 20 deg C

(i) **Power Levers** **(PLT)** . . . . Advance smoothly to **FLY**

(j) **NP & NR** **(PLT)** . . . . Verify 101%

(k) **APU** **(PLT)** . . . .**OFF**

Chapter 2

SYSTEMS

Chapter 3

NAVIGATION

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Navigation

3.1 PROCEDURES

3.1.1 TSD POINT – ADD

• **Cursor Drop**	(a) **TSD** . . . .**Select**
	(b) **POINT** . . . . **Select**
	(c) **ADD** . . . . **Select**
	(d) **Type Select** . . . . .WP, HZ, CM, or TG
	(e) **Cursor Select** . . . . **Cursor Enter**
	(with cursor on desired location on TSD)
• **Keyboard Unit**	(a) **TSD** . . . .**Select**
	(b) **POINT** . . . . **Select**
	(c) **ADD** . . . . **Select**
	(d) **ABR** . . . . As required
	(e) **Type Select** . . . . .WP, HZ, CM, or TG
	(f) **IDENT** . . . . **Select**
	(g) **Free Data** . . . . Enter on KU
	(h) **Location Data** . . . . Enter on KU
	(i) **Altitude Data** . . . . Enter on KU

3.1.2 TSD POINT - ADD (NEW TABLE DESIGN)

Cursor Drop	(a) **TSD** . . . . **Select**
	(b) **POINT** . . . . **Select**
	(c) **ADD** . . . . **Select**
	(d) **Type Select** . . . . .WP, HZ, CM, or TG
	(e) **Cursor Select** . . . . **Cursor Enter**
	(with cursor on desired location on TSD)
Keyboard Unit	(a) **TSD** . . . . **Select**
	(b) **POINT** . . . . **Select**
	(c) **ADD** . . . . **Select**
	(d) **ABR** . . . . .As required
	(e) **Type Select** . . . . .WP, HZ, CM, or TG
	(f) **IDENT** . . . . **Select**
	(g) **Free Data** . . . . Enter on KU
	(h) **Location Data** . . . . .Enter on KU
	(i) **Altitude Data** . . . . .Enter on KU

3.1.3 TSD POINT - ADD (ITEMIZE)

- **Cursor Drop**

  (a) **TSD** . . . .**Select**

  (b) **POINT** . . . . **Select**

  (c) **ADD** . . . . **Select**

  (d) **Type Select** . . . . .WP, HZ, CM, or TG

  (e) **Cursor Select** . . . . **Cursor Enter**
  (with cursor on desired location on TSD)

- **Keyboard Unit**

  (a) **TSD** . . . .**Select**

  (b) **POINT** . . . . **Select**

  (c) **ADD** . . . . **Select**

  (d) **ABR** . . . . .As required

  (e) **Type Select** . . . . .WP, HZ, CM, or TG

  (f) **IDENT** . . . . **Select**

  (g) **Keyboard Unit**

    (a) **Free Data** . . . . Enter on KU

    (b) **Location Data** . . . . Enter on KU

    (c) **Altitude Data** . . . . Enter on KU

3.1.4 TSD POINT – EDIT

• **TSD**	(a) **TSD** . . . .**Select**
	(b) **POINT** . . . . **Select**
	(c) **ADD** . . . . **Select**
	(d) **Type Select** . . . . .WP, HZ, CM, or TG
	(e) **Cursor Select** . . . . **Cursor Enter**
	(with cursor on desired location on TSD)

3.1.5 ROUTE

3.1.6 ADF

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Chapter 5

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ASE

ASE

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APPENDIX