Pocket Checklist

F-16C BLOCK 50 AIRCRAFT

REV: 20220620
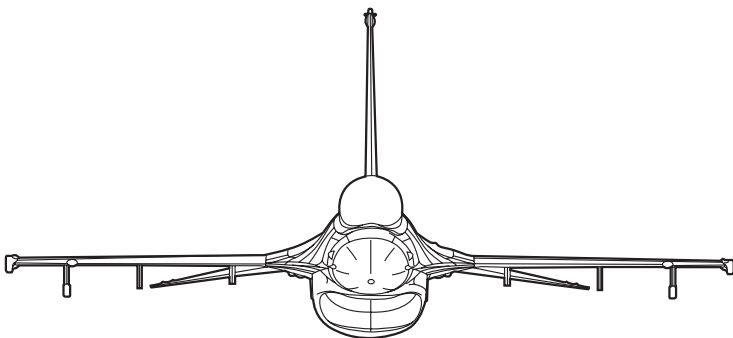
DISCLAIMER

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 PRE-START
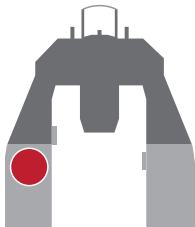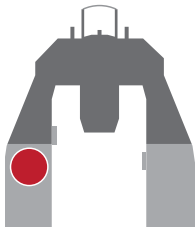
1.	**FLCS Check**	(a) **Main PWR Switch** . . . . **BATT**
		• **FLCS RLY Light** – **ON**
		(b) **FLCS PWR TEST** . . . . **TEST (hold)**
		(c) **Test Lights** . . . . **Verify**
		• **ACFT BATT TO FLCS** – **ON**
		• **FLCS PMG** – **ON**
		• **FLCS PWR** – **ON**
		• **FLCS RLY** – **OFF**
		(d) **FLCS PWR TEST** . . . . **Release**
2.	**Main Power**	(a) **Main PWR Switch** . . . . **MAIN**
		(b) **Warning Lights** . . . . **Check**
		• **ELEC SYS** – **ON**
		• **HYD/OIL PRESS** – **ON**
		• **FLCS RLY** – **ON**
		• **SEC** – **ON**
		• **ENGINE** – **ON**
		(c) **EPU Lights** . . . . **Confirm OFF**
		• **EPU GEN Light** – **OFF**
		• **EPU PMG Light** – **OFF**

1.1.2   PRE-START – ALTERNATE 1

1. **FLCS Check**

   (a) **Main PWR Switch** . . . . **BATT**
       - **FLCS RLY Light – ON**

   (b) **FLCS PWR TEST** . . . . **TEST (hold)**

   (c) **Test Lights** . . . . **Verify**
       - **ACFT BATT TO FLCS – ON**
       - **FLCS PMG – ON**
       - **FLCS PWR – ON**
       - **FLCS RLY – OFF**

   (d) **FLCS PWR TEST** . . . . **Release**

2. **Main Power**

   (a) **Main PWR Switch** . . . . **MAIN**

   (b) **Warning Lights** . . . . **Check**
       - **ELEC SYS – ON**
       - **HYD/OIL PRESS – ON**
       - **FLCS RLY – ON**
       - **SEC – ON**
       - **ENGINE – ON**

   (c) **EPU Lights** . . . . **Confirm OFF**
       - **EPU GEN Light – OFF**
       - **EPU PMG Light – OFF**
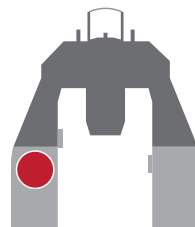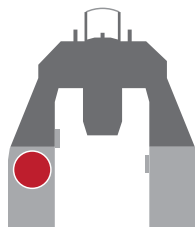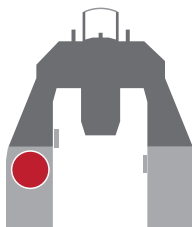
1.1.3 PRE-START – ALTERNATE 2

1.	**FLCS Check**	(a) **Main PWR Switch** . . . . **BATT**
		• **FLCS RLY Light** − **ON**
		(b) **FLCS PWR TEST** . . . . **TEST (hold)**
		(c) **Test Lights** . . . . **Verify**
		• **ACFT BATT TO FLCS** − **ON**
		• **FLCS PMG** − **ON**
		• **FLCS PWR** − **ON**
		• **FLCS RLY** − **OFF**
		(d) **FLCS PWR TEST** . . . . **Release**
2.	**Main Power**	(a) **Main PWR Switch** . . . . **MAIN**
		(b) **Warning Lights** . . . . **Check**
		• **ELEC SYS** − **ON**
		• **HYD/OIL PRESS** − **ON**
		• **FLCS RLY** − **ON**
		• **SEC** − **ON**
		• **ENGINE** − **ON**
		(c) **EPU Lights** . . . . **Confirm OFF**
		• **EPU GEN Light** − **OFF**
		• **EPU PMG Light** − **OFF**
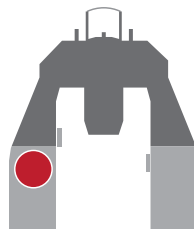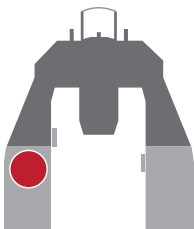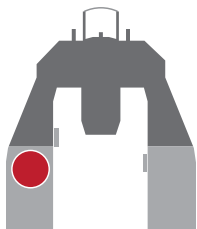
1.1.4 ENGINE START
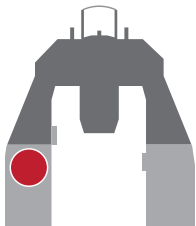
1.	**Engine Start**	(a) **JFS Switch** . . . . **START 2**
		(b) **Throttle** . . . . **IDLE**
		(*once 20% RPM reached*)
		(c) **SEC Light** . . . . **OFF**
		(d) **ENGINE Warning Light** . . . . **OFF**
		(*once 60% RPM reached*)
		(e) **JFS Switch** . . . . **Confirm OFF**
2.	**ENG Instruments**	(a) **FUEL FLOW** – 700-1700 PPH
		(b) **OIL Pressure** – 15 PSI (minimum)
		(c) **NOZ POS** – greater than 95%
		(d) **RPM** – 62-80%
		(e) **FTIT** – 650C or less
		(f) **HYD PRES A & B** – 2850-3250 PSI
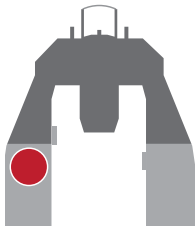
NOTE

- **Can close Canopy prior to advancing Throttle to IDLE to reduce cockpit noise**

1.1.5 POST-START

1.	**TEST Panel**	(a) **PROBE HEAT Switch** . . . . **PROBE HEAT**
		verify PROBE HEAT Caution Light – off
		(b) **PROBE HEAT Switch** . . . . **TEST**
		verify PROBE HEAT Caution Light – flashing
		(c) **PROBE HEAT Switch** . . . . **OFF**
		(d) **FIRE & OHEAT DETECT** . . . . **TEST**
		(e) **OXY QTY Test Switch** . . . . **TEST**
		(f) **MAL & IND LTS Button** . . . . **TEST**
2.	**AVIONICS Panel**	(a) **MMC Switch** . . . . **MMC**
		(b) **ST STA Switch** . . . . **ST STA**
		(c) **MFD Switch** . . . . **MFD**
		(d) **UFC Switch** . . . . **UFD**
		(e) **GPS Switch** . . . . **GPS**
		(f) **DL Switch** . . . . **DL**
		(g) **MIDS LVT Knob** . . . . **ON**
3.	**INS Alignment**	(a) **EGI/INS** . . . . **ALIGN**
		EXPLAIN DIFFERENT MODES ETC
4.	**SNSR PWR Panel**	(a) **LEFT HDPT Switch** . . . . **As Required**
		if HTS Pod installed
		(b) **RIGHT HDPT Switch** . . . . **As Required**
		if Targetting Pod installed
		(c) **FCR Switch** . . . . **FCR**
		(d) **RDR ALT Switch** . . . . **RDR ALT**
5.	**HUD Setup**	(a) **HUD Control Panel** . . . . **As Desired**
		(b) **HUD Brightness** . . . . **As Desired**
6.	**C&I Knob**	**UFC**
7.	**ECM Panel**	**As Desired**
8.	**SPD BRK Check**	**Cycle** (*back to closed*)
9.	**WHEELS Down Lights**	Verify **Three Green**
10.	**Standby Attitude Indicator**	**Set**

11.	**ENG SEC Mode**	(a) **ENG CONT Switch** . . . . **SEC**

- **SEC Caution Light** – **ON**
- **RPM** – Stabilized
- **Throttle** – Snap to **MIL**, then to **IDLE** when RPM reaches 85%
- **NOZ POS** – < 10% within 30s after **SEC** selection

(b) **ENG CONT Switch** . . . . **PRI**

- **SEC Caution Light** – **OFF**
- **NOZ POS** – > 94%

12.	**FLCS BIT**	(a) **FLCS BIT Switch** . . . . **BIT**

- **FLCP RUN Light** – Illuminates

(b) **BIT Completion**

- **Duration** – Approx. 45s
- **FLCP RUN Light** – Extinguishes
- **BIT Switch** – Returns to **OFF**
- **FAIL Light** – Verify **OFF**
- **FLCS Warning Light** – Verify **OFF**

13.	**FUEL QTY Check**	(a) **FUEL QTY SEL Knob** . . . . **TEST**

- **FR/AL Pointers** – 2000 $\pm$ 100 pounds
- **Totalizer** – 6000 $\pm$ 100 pounds

(b) **FUEL QTY SEL Knob** . . . . **NORM**

- **AL Pointer** – 2675/2810 pounds
- **FR POINTER** – 3100/3250 pounds

(c) **FUEL QTY SEL Knob** . . . . **RSVR**

- Each resevoir indicates approx. 460/480 pounds

(d) **FUEL QTY SEL Knob** . . . . **INT WING**

- Each wing indicates approx. 525/550 pounds

(e) **FUEL QTY SEL Knob** . . . . **EXT WING**

- Each external wing tank indicates approx. 2300/2420 pounds

(*if loaded*)

(f) **FUEL QTY SEL Knob** . . . . **As Desired**

14.	**DBU Check**	(a) **DIGITAL BACKUP Switch** . . . . **BACKUP**
		• **DBU ON Light** – **Illuminates**
		(b) Operate Controls – check for normal control surface response
		(c) **DIGITAL BACKUP Switch** . . . . **OFF**

15.	**Trim Check**	(a) **TRIM/AP DISC Swtich** . . . . **DISC**
		(b) **Stick Trim** . . . . Activate in Pitch & Roll
		• No control surface motion
		• No TRIM wheel or indicator motion
		(c) **TRIM/AP DISC Swtich** . . . . **NORM**
		(d) **Stick Trim** . . . . Check & Center
		• Control surface motion
		• TRIM wheel motion
		(e) **Yaw Trim Knob** . . . . **Center**

16.	**MPO Check**	(a) **Stick** . . . . **Full Forward & Hold**
		(b) **MPO Switch** . . . . **OVRD & Hold**
		• Horizontal Tail trailing edges move farther down
		(c) **Stick & MPO** . . . . Release

| 17. | **EPU FUEL Qty** | **95-102 Percent** |

18.	**EPU Check**	(a) **OXYGEN** **100%**
		(b) **Throttle** . . . . 10% above **IDLE**
		(c) **EPU/GEN TEST Switch** . . **EPU/GEN & Hold**
		• **EPU AIR Light** – **ON**
		• **EPU GEN/PMG Lights** – **OFF**
		• **FLCS PWR Lights** – **ON**
		• **EPU Run Light** – **ON** minimum 5s
		(d) **EPU/GEN TEST Switch** . . . . **OFF**
		(e) **Throttle** . . . . **IDLE**
		(f) **OXYGEN** . . . . **NORMAL**

19.	**Avionics Setup**	**Program As Required**
20.	**Canopy**	**Close and Lock**
21.	**Altimeter**	**Set and Check**
22.	**Exterior Lights**	**As Desired**
23.	**INS Knob**	**NAV**

24.	**NWS**	**Engage**
25.	**Throttle**	**Advance** (*Check brakes & NWS*)
26.	**Flight Instruments**	**Check**

WARNING

- **Aircraft Rearming can interrupt INS align**
  - If interrupted recycle INS knob to off, then back to align
  - Recommend rearming either before or after INS align

1.2 TAKEOFF & LANDING

Chapter 2

SYSTEMS

Systems

Chapter 3

APG-68 FCR

Chapter 4

LITENING TGP

Chapter 5

A/G WEAPONS

A/G

Chapter 6

A/A WEAPONS

A/A

Chapter 7

APPENDIX