PREFLIGHT CHECKS

• If required, tell Chief to PLACE the WHEEL CHOCKS.

Left console:

•	Circuit breakers
•	Rudder trim knob
•	Radar mode selectorOFF
•	ThrottlesOFF
•	Flap lever
•	Flap thumb switch
•	Speed brake switch
•	Nose strut switch
	Left vertical:
•	Fuel shutoff switches - left and rightGUARDS CLOSED
•	Armament light control knob
•	Landing gear alternate release handlseFULLY STOWED
•	Landing & taxi light switch
•	Missile volume control
•	Armament and jettison switchesOFF and SAFE
	Instrument panel:
•	Landing gear lever
•	Drag chute handle
•	Flight instruments
•	Optical sight mode selector
•	Aux intake doors indicator
	Pedestal:
•	UHF radio and frequency
•	TACAN
•	NAV MODE switch
•	Antenna switch
•	Circuit breakersCHECK

PREFLIGHT CHECKS

Right vertical:

•	Cockpit pressurization and temp.controlsAS REQUIRED
•	Anti-ice switchOFF
•	External fuel transfer switches
•	Fuel boost pump switchesLEFT and RIGHT
•	Crossfeed switchOFF
•	Auto balance switch
•	Canopy jettison T-handle
•	Battery switchBATT
•	Aux intake doors indicator
•	Generator switches
	Right console:
•	Oxygen system
	• Supply pressure gage
	• Quantity indicator
	• Supply lever
	• Diluter lever
	• Emergency lever
•	IFF/SIFSTBY
•	Fuel and oxygen check switch
•	Compass switch
•	Internal and external lights
•	Rotating beacon
•	Light warning test switch
•	Circuit breakers
•	If required, tell Chief to turn GROUND POWER ON.

ENGINE STARTUP

- Radio ATC and REQUEST START-UP.
- Tell Chief to CONNECT GROUND AIR Supply unit.
- Tell Chief to APPLY GROUND AIR to motor left engine.
- When left engine RPM reaches 10 %

•	Left	engine	throttle	LE

- Left engine start......PUSH
- - EGT.....>140 °C
 - Nozzle position......70-80 %

 - Hydraulic pressure......2800-3200 psi
 - Generator caustion lightOUT
 - Auxiliary intake doors indicator......BARBER POLE
- Tell Chief to APPLY GROUND AIR to motor right engine.
- When right engine RPM reaches 10 %

 - Reft engine start.....PUSH
- Auxiliary intake doors indicator......OPEN
- Tell Chief to DISCONNECT GROUND AIR Supply unit.
- If required, tell Chief to turn GROUND POWER OFF.

CROSSBLEED START

.l Chief to DISCONNECT GROUND AIR Supply unit.	•
required, tell Chief to turn GROUND POWER OFF.	•
t engine RPM95 %	•
t engine start buttonPUSH	•
10 % engine RPM	•
gine instruments	•
er right engine at idle RPMLEFT THROTTLE IDLE	•
erator caution lights OUT	•
r intake doors indicator OPEN	

BEFORE TAXI

• Speed brakes
• Flap thumb switch
• Flaps fully extended
• Damper switches
Pitch damper cutoff switch
• Pitch damper cutoff switch
• Pitch damper switchMOVES TO OFF
• Pitch damper switchPITCH
• Flight controls
• Pitch trim to take-off configuration ≥ 6
• Aileron trim
• Altimeter pressureQFE
• AltimeterCHECK
• Mode control lever
• PNEU lightON
• Mode control lever
• PNEU lightOFF
• Pressure difference between modes
• Standby attitude inicator
• Primary and standby attitude indicator3°
• Canopy lever
• Pitot heat check
• Master caution light
• Caution panel warning lights off
• Radar Warning Receiver
• Radar mode selector (10 min before overheating)STBY
• Taxi lightsON
• If required, tell Chief to REMOVE the WHEEL CHOCKS.

TAXI

•	Radio	ATC	and	REQUEST	premission	to	TAXI	TO	RUNWAY.
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•	Nose	wheel	steering	ENGAGE	
_	11026	MIICCT	PCCCTTIIA	······································	

- Throttle setting to get rolling.......70%
- Taxi to runway at ~ 60 % engine RPM.

BEFORE TAKE-OFF

- Hold at runway line.

- Nose strut switch.....EXTEND
- Radio ATC and REQUEST permission for TAKE-OFF.

Weight [lbs]	Configuration	Pitch	Speed
15000	clean	6	145
15500-16000	ammo, missiles	7	155
17000-18000	ammo, missiles, central tank	8	166
19000	ammo, missiles, 3x tank 150	7	167
19000-21000	ammo, missiles. bombs,	7	172
19000-21000	rockets, central tank	/	1/2
22000	ammo, missiles, 3x tank 275	7	179
23000	ammo, missiles, bombs, rockets	7	187

TAKE-OFF

- Roll to runway centerline.
- Breaks. HOLD
- - Nozzle position......0-16%
- NWS button depressed and held, release breaks.
- At 60 KIAS release NWS button.
- If required, throttle to full.
- Rotate at ~ 10 KIAS before liftoff speed.

AFTER TAKE-OFF

• Landing gear lever
• Pitch trim and flaps position
• Aux intake doors indicator
• Climb speed > 300 KIAS
• Flap thumb switch
• Fuel management
• External fuel tanks: transfer swtiches
• No ext. fuel tanks: autobalance switchLEFT LOW
• At altitude above 8000 ft
• Indicated oxygen consumption
• Cockpit pressurization
• Altimeter mode

	BEFORE LANDING
•	Radio ATC for INBOUND.
•	AltimeterQFE
•	Fuel balancing switch
•	Crossfeed switchOFF
•	Hydraulic pressure2800-3200 PSI
•	Flap lever
•	Flap thumb switch
	LANDING
•	Radio ATC and REQUEST LANDING.
	Upwind leg:
•	Enter traffic pattern at 300 KIAS.
•	Descend to 1500 ft AGL 3 miles before end of runway.
	Crosswind leg:
•	Maintain 1500 ft AGL
	Downwind leg:
•	Landing gear lever (<260 KIAS)DOWN
•	Gear indicator lightsGREEN
•	Speed brake
	Base leg:
•	Decelecate to ~ 165 KIAS and keep altitude of 1500 ft.
•	AOA indexerON SPEED
	Final approach:
•	Decent rate ~1000 ft/min.
•	Decrease speed to 145 KIAS.
•	AOA indexer
•	Approaching runway decrease vertical speed to 400 ft/min.
•	Flare at $\sim 20 \text{ft}$ and smoothly decrease speed to idle.

• Deploy drag chute and carefully apply wheel breaks.

• Touchdown at 135 KIAS.

AFTER LANDING

• Jettison drag chute.
• Cockpit pressurization switch
• Flap thumb switch
• Speed brakeOUT
• Radar mode selector
• Optical sight mode selector
• Pitot heat and engine anti-ice switches
ENGINE SHUTDOWN
• Cockpit pressurization switch
• CanopyOPEN
• Cockpit pressurization switchNORMAL/CABIN PRESS
ullet All unguarded switches (except batt, gen, boos pumps)OFF
• ThrottlesOFF
• Standby attitude indicator
• Generator switches
• Boost pump switches
• Battery switchOFF

AIR-TO-GROUND: GUN & ROCKETS

• Weapon switch
• Sight mode selector
• Reticule depression knob
• Rocket employment:
• External stores switchRKT/DISP
• Pylons with LAUON

- Climb to initial altitude (5000-6000 ft AGL).
- Adjust initial speed (350-370 knots).
- Set target up at 10 o'clock and roll-in when ready.
- Align sight pipper with target.
- Watch dive angle and speed.
- At release altitude
 - Guns: pull trigger to second detent
 - Rockets: press bomb-rocket release button.
- Perform 4G pullout within 2 seconds.

GUNS TABLE

Dive	Initial		Release		Reticule
Angle	Altitude	Speed	Altitude	Speed	Depression
20	5000	350-370	2000	400	12
30	6000	350-370	3000	400	8

ROCKETS TABLE

Dive	Initial		Release		Reticule	Rocket
Angle	Alt	Speed	Alt	Speed	Depression	Type
20 5000 350-370 15		1500	400	14	HYDRA	
20	3000	330-370	1300	400	34	FFAR
30	6000	350	2000	400	10	HYDRA
					30	FFAR

AIR-TO-GRUND: BOMBS

GUNS MSL & CAMR	• Weapon switch
	Sight mode selector
SET	• Reticule depression
BOMB or RIPL	External stores swit
switch	If riple release, I
ON	Pylons with bombs lo
(F000 C000 CL 3 CT)	07 1 1 1 1 1 1 7 7

- Climb to initial altitude (5000-6000 ft AGL).
- Adjust initial speed to 350 knots.
- Set target up at 10 o'clock and roll-in when ready.
- Align sight pipper with target.
- Watch dive angle and speed.
- At release altitude press bomb-rocket release button.
- Perform 4G pullout within 2 seconds.

BOMBS TABLE

Dive	Initial		Release		Reticule
Angle	Altitude	Speed	Altitude	Speed	Depression
20	5000	350	1500	380-400	80
30	6000	350	2000	440-450	79

AIR-TO-AIR: MISSILES

•	Weapon switch
•	Sight mode selector
•	Armament panel outer pylon switches
•	Radar mode selectorOPER
•	Radar range selector - MSL or DM40 or 10
•	Radar elevation antenna
•	Align target to horizontal center of the radar display.
•	MSL Mode

- TDC on target icon and lock with ACQ button.
- DM Mode
 - 5 NM from target, DOGFIGHT/RESUME switch forward.
- When in range, LK ON light and IN RANGE light illumiate.

 Red dot appears next to gunsight reticle.
- Press weapon release button to fire.
- Unlock target by DOGFIGHT/RESUME CENTER-PRESS.
- Abort by pressing the MISSILE UNCAGE switch.

	AIR-TO-AIR: GUNS
•	Weapon switch
•	Sight mode selector
•	Radar mode selectorOPER
•	Radar range selector
•	Radar elevation antenna
•	Align target to horizontal center of the radar display.
•	1 NM from target engage DG mode by DOGFIGHT/RESUME aft.
•	When in range, LK ON light and IN RANGE light illumiate.
	Red dot appears next to gunsight reticle.

• Press trigger to second detent to fire.