PREFLIGHT CHECKS

•	If required, tell Chief to PLACE the WHEEL CHOCKS.
•	Armament switchesOFF
•	ThrottleOFF
•	Speed brake switch
•	Landing gear handleDOWN
•	Engine master, emergency ignition, battery switches OFF
•	Tell Chief to turn GROUND POWER ON.
•	Landing gear position indicators
•	Oxygen regulator
•	Anti-G suit regulator valve
•	Left circuit breakers
•	$ \hbox{Ammunition compartment heat emergency shutoff handle.} \textbf{NORMAL} \\$
•	Cockpit air temperature control switchAUTO
•	Air outlet selector lever
•	Cockpit air temperature control rheostat AS ${\tt DESIRED}$
•	Cockpit pressure schedule switch2.75 PSI
•	Cockpit pressure control switchPRESS
•	Windshield anti-icing leverOFF
•	Rudder trim switchOFF
•	Lateral alternate trim switch
•	Longitudinal alternate trim switchNORMAL GRIP CONT
•	Flight control switch
•	Drop tank selector switch
•	Wing flap lever
•	Emergency fuel switchOFF
•	Emergency jettision handle

PREFLIGHT CHECKS

• Landing and taxi light switch
\bullet Pitot heat switch
• Engine anti-ice and screen switch
• Clock, accelerometerSET
• Altimeter
• Fuel quantity
• Totalizer SET
• Directional indicatorCHECK AGAINST STAND-BY COMPASS
• Attitude indicator
• Vertical velocity indicator
• Generator switch
\bullet Canopy alternate emergency jettision handle IN
\bullet Flight control emergency override handle IN
• Lighing controls
• Communication equipment switches
\bullet Landing gear emergency release handle IN
• Canopy declutch handle
• Sight mechanical caging lever
• Instrument power switch
\bullet Warning lights and inicators test warning system \textbf{CHECK}
• Flight controls
• Normal trim switch
• Radio compass
• Canopy

ENGINE START

• Radio ATC and REQUEST START-UP.
• Engine master switchON
• Battery starter switch
• At 3% RPM
• At 6% RPM
• EngineCHECK
• EGT
• Oil pressure
• Fuel flow
• Engine RPM
• Generator warning lightOUT
• Drop tank selector switch
• External tanks inboard
• External tanks outboardOUTBD ON & JETT
• No external tanks

• Tell Chief to turn GROUND POWER OFF.

WARNINGS

- Abort start by depressing STOP-STARTER button if
 - Voltage drops below 15 V during start
 - EGT fails to increase within 5 sec
 - Engine RPM does not reach 23% within 1 minute
- Starter is limited to 3 starts during 30 minutes.
- Overtemperature conditions:
 - 950°C for 2 sec during engine start.
 - 690-750°C for 40 sec or more.
 - 750-800°C for 10 sec or more.
 - 800 °C for 2 sec or more.

SYSTEM GROUND CHECKS

• Throttle
• Hydraulic pressure gage selectorNORMAL
• Flight control switch
• Alternate-on warning lightOUT
• Flight control normal hydraulic system
• Flight control switch
• Move control stickPROPER CONTROL SURFACE MOTION
• Pressure after 5 sec
• Flight control alternate hydraulic system
• Flight control switch
• Alternate-on warning lightON
• Move control stickPROPER CONTROL SURFACE MOTION
• Pressure after 5 sec
• Flight control switchRESET
• Alternate-on warning lightOUT
• Flight control manual emergency override systemCHECK
Hydraulic pressure gage selector switchALTERNATE
• Flight control switch
• Emergency override handlePULL TO FULL EXTENSION
• Move control stickPROPER CONTROL SURFACE MOTION
• Flight control switchNORMAL
• Alternate-on warning lightON
• Pressure3050 - 4000 PSI
• Emergency override handle
• Pressure2550 - 3200 PSI

SYSTEM GROUND CHECKS
• Automatic return to normal flight control systemCHECK
• Control stick
• Alternate-on warning lightOUT
• Hydraulic pressure gage selector switchNORMAL
• Pressure
• Utility hydraulic systemCHECK
• Hydraulic pressure gage selector switchUTILITY
• Speed brakes switchOUT ⇒ IN ⇒ NEUTRAL
• Pressure ~3000 PSI
• Hydraulic pressure gage selector switchNORMAL
• Loadmeter and voltmeter
• Peform emergency fuel system check if required.
• If required, tell Chief to REMOVE the WHEEL CHOCKS.
EMERGENCY FUEL SYSTEM CHECK
• Toe brakes
• Thottle
• Emergency fuel switch
• Throttle - advance cautiously to
• Emergency fuel switch
• Emergency fuel switch
 Observe recovery time and stabilized RPM.
• Emergency fuel switch
TAXI

- Radio ATC and REQUEST permission to TAXI TO RUNWAY.

BEFORE TAKE-OFF

• Hold at runway line.
• Armament switches off
• Trim for take-off
• Wing flap lever
• Canopy switch
• Pitot heat
• Oxygen regulator diluter valveNORMAL OXYGEN
$ullet$ Engine anti-ice and screen switchRET \Rightarrow EXTEND
• Radio ATC and REQUEST permission for TAKE-OFF.
Take-Off
• Roll to runway centerline.
• Toe brakes
• Nose wheel steering button
• Throttle
• At 50 KIAS
• At 110 KIAS
• At 125 KIAS
After Take-Off
• Landing grear handle
• Initial climb: hold airspeed below 120-125 KIAS.
• Level off and accelerate to best climb speed.
• Horizontal tail trim
• Engine anti-ice switch
• At 155 KIAS wing flap lever

LANDING

•	Armament switchesOFF
•	Gun sight caging lever
•	Engine anti-ice switchEXTENT \Rightarrow ANTI-ICE IF REQUIRED
•	Speed brake switchOUT
•	Landing gear handle
•	Flap lever
•	Final approach speed
•	Touchdown speed

Guns

• Gun-missile selectorSIGHT CAMERA & RADAR
• Gun selector switch
• Twist throttle grip for radar rangeing COUNTER CLOCKWISE
• Sight mechanical caging lever
• Sight function selector leverGUN
• Target speed switchLO or HI
• Gun-missile selector
• Wing span adjustment knowSET TARGET WING SPAN
• Sight electrical caging button DEPRESS and HOLD
• Target indicator light comes ON at rage of ~4800 ft (1500 m)
• Sight electrical caging button
• Pull trigger to second detend when ready to fire.
ROCKETS
• Gun-missile selectorSIGHT CAMERA & RADAR
• Gun-missile selector
• Rocket intervalometer 1 or 9 for droptanks
 Rocket intervalometer

BOMBS USING SIGHT

• Gun-missile selectorSIGHT CAMERA & RA	DAR
• Sight mechanical caging lever	CAGE
• Demolition bomb release selector switchAUTO or MAI	IUAL
• Demolition bomb sequence selector switchAS REQU	RED
• Fragmentation bomb selector switch	OFF
• Sight function selector lever	BOMB
Bomb arming switch	AIL
• Sight electrical caging button DEPRESS and I	IOLD
• Push over into dive. Keep reticle center dot on target.	
• Sight electrical caging button	ASE
• AUTOMATIC release:	

- UTOMATIC release:
 - Keep reticle on target during dive.
 - Depress and hold release button.
 - Fly a curved path by increasing pitch steadily.
 - Automatic release when reticle circle disappears.
- MANUAL release:
 - Keep reticle on target during dive.
 - Calculated release point when reticle dot disappears.
 - Depress bomb release button.

AIR-TO-AIR MISSILES

•	Weapon selector
•	Sight mechanical caging lever
•	Missile launch mode button
•	Missile volume knop
•	Sight electrical caging button DEPRESS and HOLD
•	When in range - sight electrical caging buttonRELEASE.
•	Listen to missile ready tone.

• Pull and hold trigger to second detend until missile away.