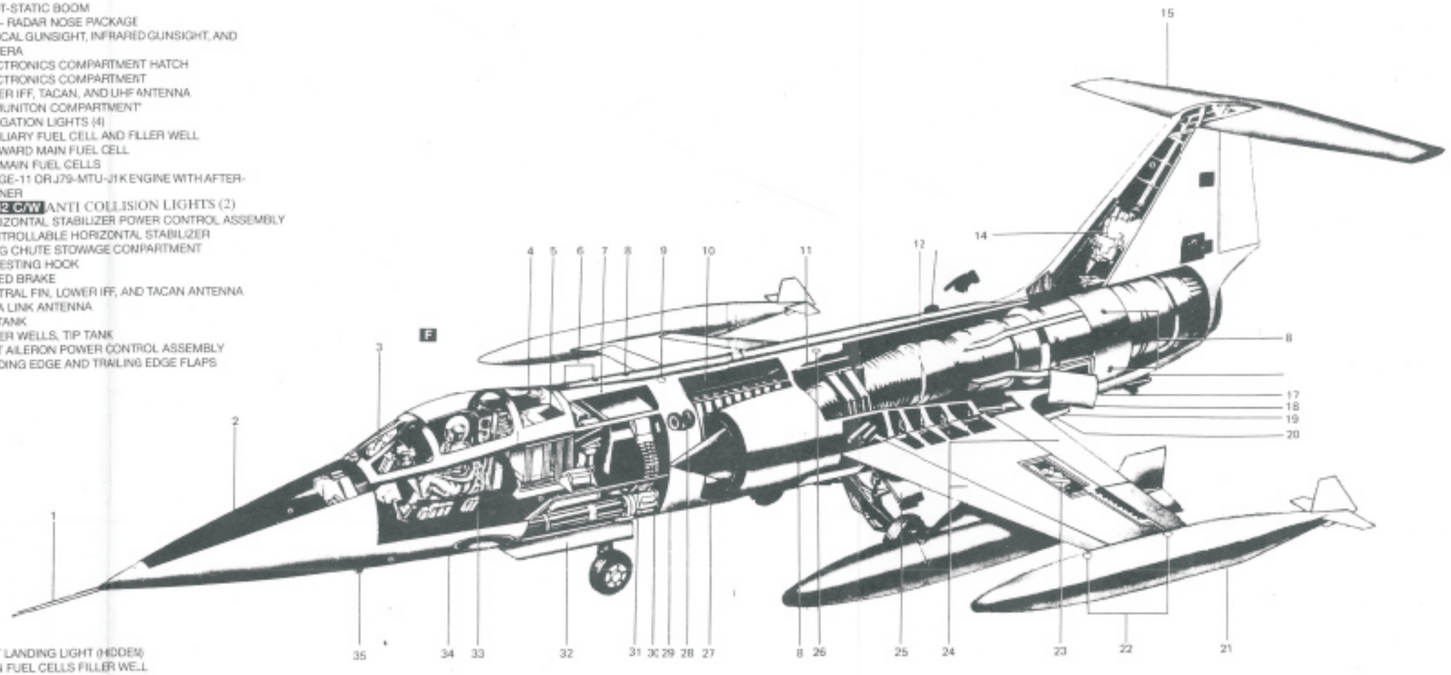
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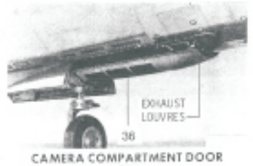
GENERAL ARRANGEMENT

1 PITOT-STATIC BOOM
2 F15 – RADAR NOSE PACKAGE
3 OPTICAL GUNSIGHT, INFRARED GUNSIGHT, AND CAMERA
4 ELECTRONICS COMPARTMENT HATCH
5 ELECTRONICS COMPARTMENT
6 UPPER IFF, TACAN, AND UHF ANTENNA
7 AMMUNITON COMPARTMENT*
8 NAVIGATION LIGHTS (4)
9 AUXILIARY FUEL CELL AND FILLER WELL
10 FORWARD MAIN FUEL CELL
11 AFT MAIN FUEL CELLS
12 J79-GE-11 OR J79-MTU-J1K ENGINE WITH AFTERBURNER
13 1032 C/W ANTI COLLISION LIGHTS (2)
14 HORIZONTAL STABILIZER POWER CONTROL ASSEMBLY
15 CONTROLLABLE HORIZONTAL STABILIZER
16 DRAG CHUTE STOWAGE COMPARTMENT
17 ARRESTING HOOK
18 SPEED BRAKE
19 VENTRAL FIN, LOWER IFF, AND TACAN ANTENNA
20 DATA LINK ANTENNA
21 TIP TANK
22 FILLER WELLS, TIP TANK
23 LEFT AILERON POWER CONTROL ASSEMBLY
24 LEADING EDGE AND TRAILING EDGE FLAPS



25 LEFT LANDING LIGHT (HIDDEN)
26 MAIN FUEL CELLS FILLER WELL
27 ENGINE AIR INTAKE DUCT
28 SINGLE POINT REFUELING ADAPTER
29 AMMUNITION DELINKER CHUTE (HIDDEN)
30 20 MM GUN*
31 SHELLCASE STOWAGE COMPARTMENT OR EXTENDED RANGE FUEL TANK
32 TAXI LIGHT (HIDDEN)
33 EJECTION SEAT
34 LOWER UHF ANTENNA (HIDDEN)
35 TACAN ANTENNA (MODIFIED AIRCRAFT)
36 RECONNAISSANCE CAMERAS**

*EXTENDED RANGE FUEL TANK – OPTIONAL
**INSTALLED ON SOME AIRCRAFT IN LIEU OF GUN, AMMO, AND 17 GALLON EXTENDED RANGE FUEL TANK



CAMERA COMPARTMENT DOOR
RF



TF

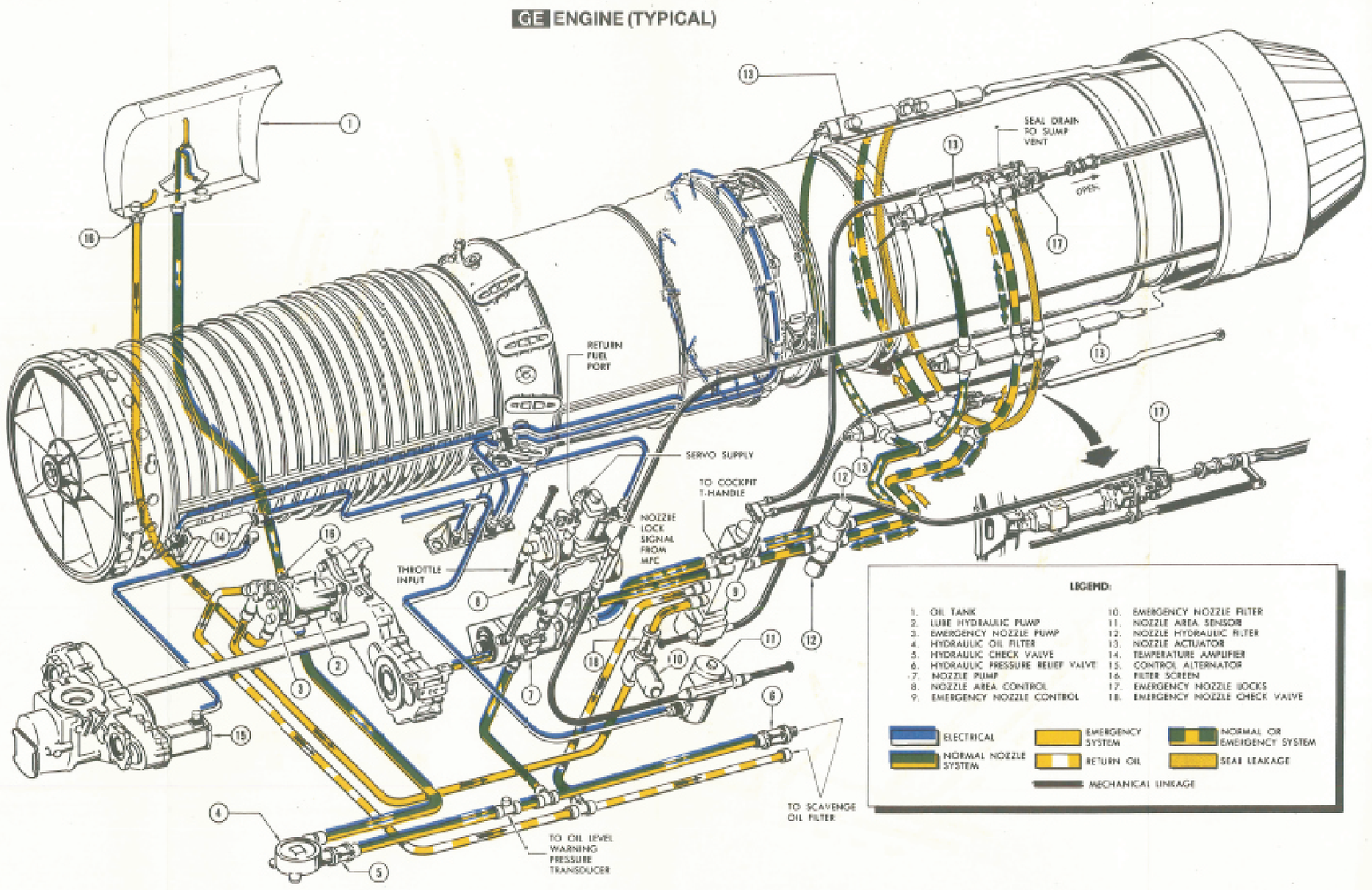
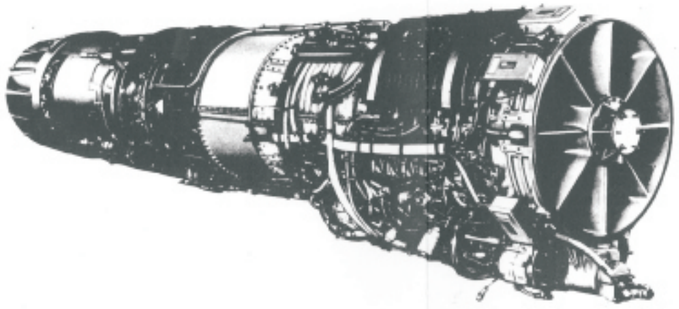
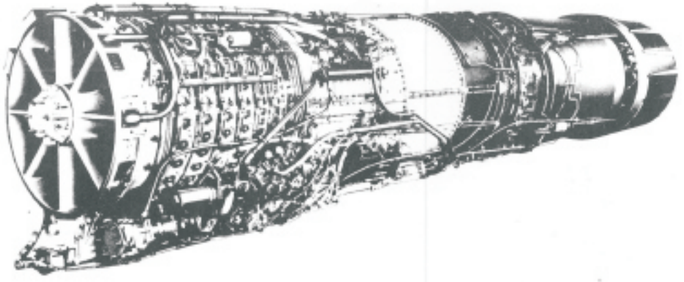
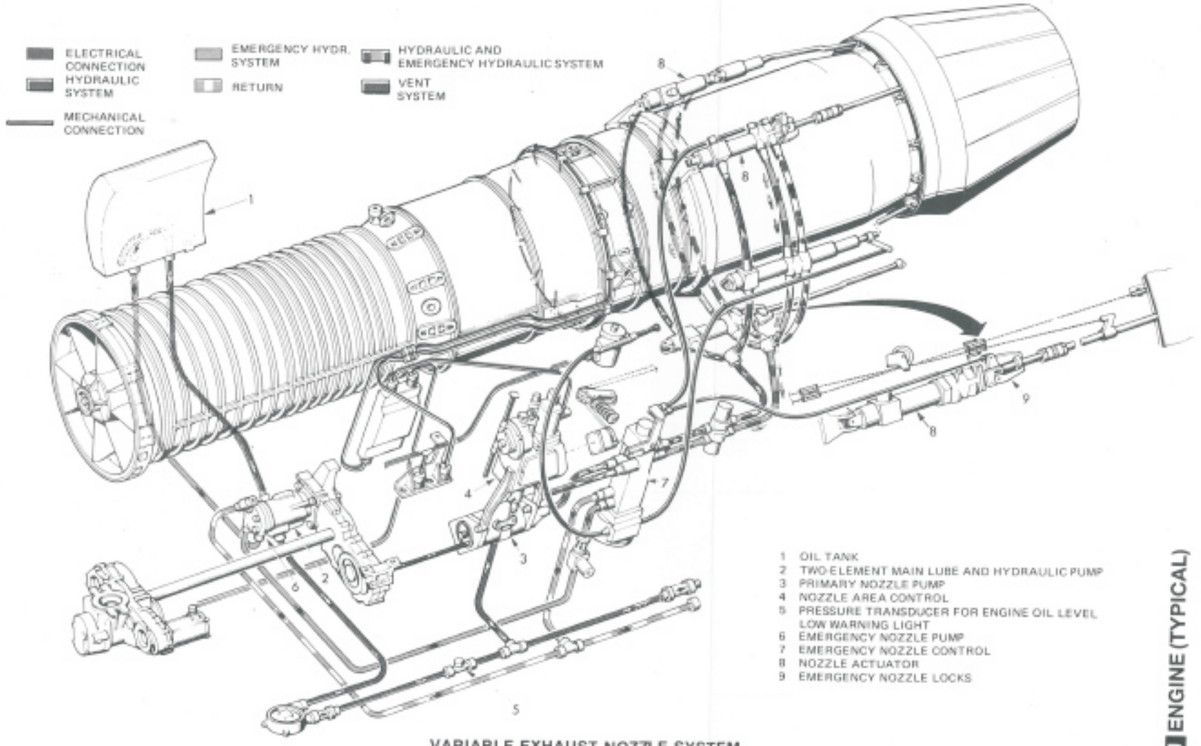

GE ENGINE (TYPICAL)
SEAL DRAIN TO SUMP VENT
OPEN
RETURN FUEL PORT
SERVO SUPPLY
TO COCKPIT T-HANDLE
NOZZLE LOCK SIGNAL FROM MPC
THROTTLE INPUT
TO SCAVENGE OIL FILTER
TO OIL LEVEL WARNING PRESSURE TRANSDUCER
LEGEND:
1. OIL TANK
2. LUBE HYDRAULIC PUMP
3. EMERGENCY NOZZLE PUMP
4. HYDRAULIC OIL FILTER
5. HYDRAULIC CHECK VALVE
6. HYDRAULIC PRESSURE RELIEF VALVE
7. NOZZLE PUMP
8. NOZZLE AREA CONTROL
9. EMERGENCY NOZZLE CONTROL
10. EMERGENCY NOZZLE FILTER
11. NOZZLE AREA SENSOR
12. NOZZLE HYDRAULIC FILTER
13. NOZZLE ACTUATOR
14. TEMPERATURE AMPLIFIER
15. CONTROL ALTERNATOR
16. FILTER SCREEN
17. EMERGENCY NOZZLE LOCKS
18. EMERGENCY NOZZLE CHECK VALVE
ELECTRICAL
NORMAL NOZZLE SYSTEM
EMERGENCY SYSTEM
RETURN OIL
NORMAL OR EMERGENCY SYSTEM
SEAL LEAKAGE
MECHANICAL LINKAGE

Figure FO-2

MTU ENGINE (TYPICAL)







VARIABLE EXHAUST NOZZLE SYSTEM

Figure FO-3

F MAP COCKPIT LAYOUT TYPICAL

UPPER INSTRUMENT PANEL

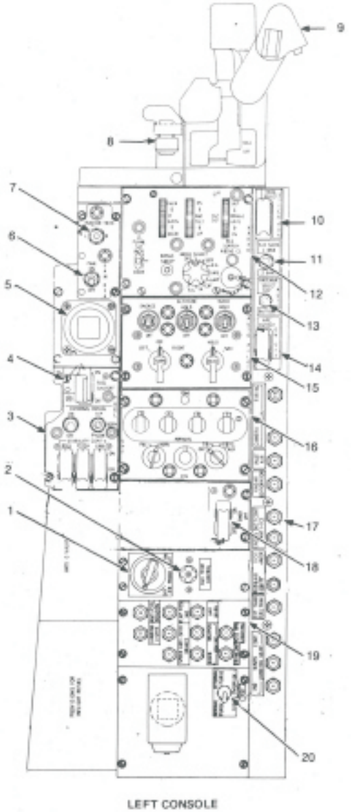
1 ARRESTING HOOK RELEASE LIGHT
2 PITCH TRIM INDICATOR
3 ACCELEROMETER
4 CLOCK
5 LANDING GEAR UNSAFE WARNING LIGHT
6 FIRE WARNING LIGHT
7 STANDBY COMPASS
8 CBU DISPENSER LIGHT
9 RADAR LOCK-ON LIGHT
10 AIRSPEED AND MACH NUMBER INDICATOR
11 CIT WARNING LIGHT
12 APC INDICATOR
13 STANDBY ATTITUDE INDICATOR
14 ATTITUDE INDICATOR
15 BOMB RELEASE LIGHT
16 TACHOMETER
17 EGT GAGE
18 CANOPY UNSAFE WARNING LIGHT
19 OIL PRESSURE GAGE
20 CIT GAGE
21 FUEL FLOW INDICATOR
22 EXHAUST NOZZLE POSITION INDICATOR
23 VERTICAL VELOCITY INDICATOR
24 CAUTION LIGHT
25 POSITION AND HOMING INDICATOR
26 ALTIMETER
27 TURN-AND-SLIP INDICATOR
28 UHF PRESET CHANNEL SELECTOR

LOWER INSTRUMENT PANEL

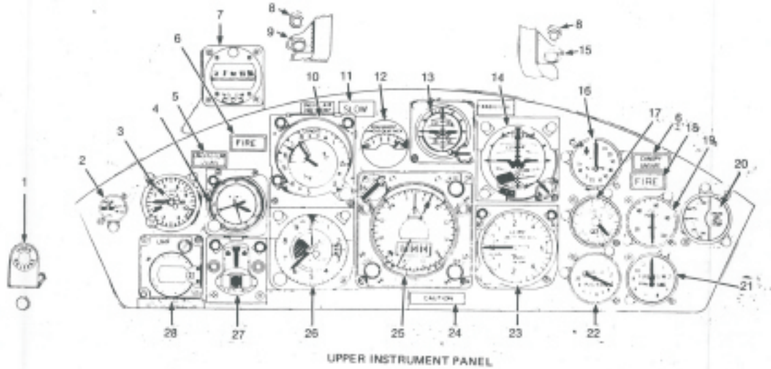
1 LANDING GEAR LEVER
2 DOWN LOCK MECHANICAL OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 DRAG CHUTE HANDLE
8 LANDING GEAR POSITION INDICATOR LIGHTS
9 AMMUNITION ROUNDS COUNTER RESET SWITCH
10 STANDBY ATTITUDE INDICATOR ERECT BUTTON
11 WING FLAPS POSITION INDICATORS
12 MANUAL LANDING GEAR RELEASE HANDLE
13 FLAP ASYMMETRY WARNING LIGHT 9017 C/W
14 RADAR INDICATOR AND CONTROL PANEL
15 SPECIAL WEAPONS UNLOCKED INDICATOR LIGHT
16 RAT EXTENSION HANDLE
17 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
18 EMERGENCY NOZZLE CLOSURE HANDLE
19 STORM LIGHT SWITCH
20 BEACON LIGHTS SWITCH 1032-C/W
21 WARNING LIGHTS PANEL
22 OXYGEN QUANTITY INDICATOR
23 FIXED-FREQUENCY RESET BUTTON
24 CANOPY DEFOGGING CONTROL
25 FUEL QUANTITY SYSTEM TEST SWITCH
26 GENERATOR SWITCHES
27 EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
28 EXTERNAL FUEL QUANTITY INDICATOR
29 CABIN ALTIMETER
30 INTERNAL FUEL QUANTITY INDICATOR
31 HYDRAULIC SYSTEM PRESSURE GAGES
32 RADAR MODE INDICATOR LIGHTS
33 CANOPY JETTISON HANDLE
34 WEAPONS SELECTOR PANEL
35 RUDDER PEDAL ADJUSTMENT HANDLE
36 ARMAMENT CONTROL PANEL
37 OPTICAL BORESIGHT TEST SWITCH
38 ANTI-SKID SWITCH
39 ENGINE DUCT ANTI ICE SWITCH
40 LANDING/TAXI LIGHT SWITCH

LEFT CONSOLE

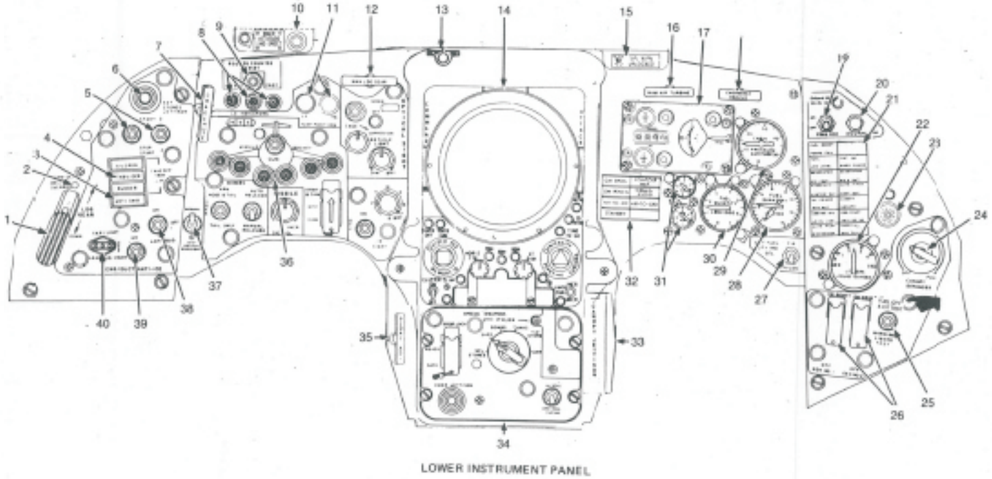
1 AIR REFUELLING PROBE LIGHT CONTROL
2 AUXILIARY TRIM CONTROL SWITCH
3 STABILITY CONTROL SWITCHES
4 FUEL CONTROL PANEL
5 AGM-12B GUIDANCE CONTROL HANDLE
6 AGM-12B POWER SWITCH
7 RUDDER TRIM SWITCH
8 WING FLAP LEVER
9 THROTTLE
10 TRIM SELECTOR SWITCH
11 A/A SCAN SELECTOR SWITCH
12 RADAR CONTROL PANEL
13 UHF ANTENNA SELECT OVERRIDE SWITCH
14 APC CUTOUT SWITCH
15 AUTOMATIC PILOT CONTROL PANEL
16 UHF COMMAND RADIO CONTROL PANEL
17 LEFT STRIP CIRCUIT BREAKERS
18 EMERGENCY UHF SWITCH
19 LEFT CIRCUIT BREAKER PANEL
20 GUN FIRING OVERRIDE GROUND TEST SWITCH



LEFT CONSOLE



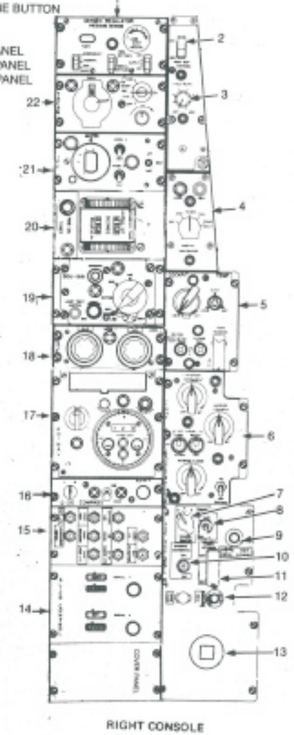
UPPER INSTRUMENT PANEL



LOWER INSTRUMENT PANEL

RIGHT CONSOLE

1 OXYGEN CONTROL PANEL
2 PRESSURE SUIT OXYGEN SUPLY LEVER
3 FACE PLATE HEAT RHEOSTAT
4 INERTIAL NAVIGATOR CONTROL PANEL
5 HEATING CONTROL PANEL
6 LIGHTING CONTROL PANEL
7 CAMERA SHUTTER SELECTOR SWITCH
8 ROCKET SELECT SWITCH
9 OPTICAL SIGHT SERVOAMPLIFIER TEST BUTTON
10 ENGINE MOTORING SWITCH
11 PYLON JETTISON SWITCH
12 GROUND CREW INTERPHONE BUTTON
13 SPOTLIGHT
14 IN ALIGN CONTROL PANEL
15 RIGHT CIRCUIT BREAKER PANEL
16 C-2G COMPASS CONTROL PANEL
17 PHI NAVIGATION CONTROL PANEL
18 DCU-9A CONTROL PAENL
19 IFF CONTROL PANELS
20 TACAN CONTROL PANEL



RIGHT CONSOLE

F MAP COCKPIT LAYOUT TYPICAL

LEFT CONSOLE AND SIDE WALL

1 SPOT LIGHT
2 ANTI-G VALVE
3 EMERGENCY UHF CONTROL PANEL
4 STABILITY CONTROL SWITCHES
5 AUTOMATIC PILOT CONTROL PANEL
6 FUEL CONTROL PANEL
7 SUB WEAPON PANEL (IF INSTALLED)
8 AUXILIARY TRIM CONTROL PANEL
9 WING FLAP LEVER
10 THROTTLE
11 ANTENNA SELECT SWITCH
12 RADAR CONTROL PANEL
13 ROCKET SELECT SWITCH
14 GAF NARROW SCAN SWITCH
15 UHF COMMAND RADIO CONTROL PANEL
16 CIRCUIT BREAKERS
17 GUN FIRING OVERRIDE GROUND TEST SWITCH
18 STICK SHAKER MOTOR GROUND TEST SWITCH
19 GAF DIODE ADAPTER FOR REMOTE FREQUENCY INDICATOR

UPPER INSTRUMENT PANEL

1 ARRESTING HOOK RELEASE LIGHT
2 ARRESTING HOOK RELEASE BUTTON
3 GAF ANTI-COLLISION LIGHT SWITCH
4 GAF RADAR TRANSMITTER RESET BUTTON
5 PITCH TRIM INDICATOR
6 TURN AND SLIP INDICATOR
7 GAF UHF REMOTE FREQUENCY INDICATOR
8 ACCELEROMETER
9 STANDBY COMPASS
10 FIRE WARNING LIGHT (2)
11 AIRSPEED AND MACH NUMBER INDICATOR
12 IFF WARNING LIGHT (INOP WITHOUT IFF MODE 4)
13 RADAR LOCK-ON LIGHT
13A CIT WARNING LIGHT
14 APC INDICATOR
15 VERTICAL VELOCITY INDICATOR
16 BOMB RELEASE LIGHT
17 GAF RADAR ALTIMETER WARNING LIGHT
18 MM-3 ATTITUDE INDICATOR
19 TACHOMETER
20 EGT GAGE
21 CLOCK
22 CANOPY UNSAFE WARNING LIGHT
23 OIL PRESSURE GAGE
24 CIT GAGE
25 FUEL FLOW INDICATOR
26 EXHAUST NOZZLE POSITION INDICATOR
27 SPECIAL WEAPON UNLOCKED WARNING LIGHT
28 STANDBY ATTITUDE INDICATOR
29 CAUTION LIGHT
30 PHI NAVIGATION SYSTEM INDICATOR
31 FLAP ASYMMETRY WARNING LIGHT 1617 C/W
32 ALTIMETER
33 RADAR ALTIMETER
34 UHF PRESET CHANNEL SELECTOR TA 1213 C/W

LOWER INSTRUMENT PANEL AND SIDE PANELS

1 LANDING GEAR LEVER
2 DOWN LOCK MECHANICAL OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 CHUTE HANDLE
8 AMMUNITION ROUNDS COUNTER
9 LANDING GEAR POSITION INDICATOR LIGHTS
10 AMMUNITION ROUNDS COUNTER RESET SWITCH
11 WING FLAPS POSITION INDICATORS
12 MANUAL LANDING GEAR RELEASE HANDLE
13 RADAR INDICATOR
14 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
ECP 2022 C/W ANTENNA TILT INDICATOR
15 RAT EXTENSION HANDLE
16 EMERGENCY NOZZLE CLOSURE HANDLE
17 CABIN ALTIMETER
18 STORM LIGHT SWITCH
19 ENGINE OIL LEVEL WARNING LIGHT
20 OIL WARNING TEST BUTTON
21 WARNING LIGHTS PANEL
22 EXTRA TIMER SWITCH
23 OXYGEN QUANTITY INDICATOR
24 FIXED-FREQUENCY RESET BUTTON
25 CANOPY DEFOGGING CONTROL
26 FUEL QUANTITY SYSTEM TEST SWITCH
27 GENERATOR SWITCHES
28 EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
29 EXTERNAL FUEL QUANTITY INDICATOR
30 INTERNAL FUEL QUANTITY INDICATOR
31 NO. 2 HYDRAULIC PRESSURE GAGE
32 NO. 1 HYDRAULIC PRESSURE GAGE
33 GROUND SPEED ERROR INDICATOR
33 RADAR MODE INDICATOR LIGHTS
ECP 2022 C/W NUG-B INDICATOR
ECP 2024 C/W GROUND SPEED ERROR INDICTOR
34 CANOPY JETTISON HANDLE
35 SPECIAL WEAPONS/WEAPONS SELECTOR PEL
36 RUDDER PEDAL ADJUSTMENT HANDLE
37 ARMAMENT CONTROL PANEL
38 OPTICAL BORESIGHT TEST SWITCH
39 ANTI-SKID SWITCH
40 ENGINE DUCT ANTI ICE SWITCH
41 LANDING/TAXI LIGHT SWITCH

RIGHT CONSOLE AND SIDE WALL

1 PRESSURE SUIT OXYGEN PANEL
2 INERTIAL NAVIGATOR CONTROL PANEL
3 HEATING CONTROL PANEL
4 GAF GROUND SPEED SELECTOR
5 LIGHTING CONTROL PANEL
6 ALERT ALIGN SWITCH (IF INSTALLED)
7 OPTICAL SIGHT SERVOAMPLIFIER TEST BUTT
8 CAMERA SHUTTER SELECTOR SWITCH
9 PYLON JETTISON SWITCH
10 ENGINE MOTORING SWITCH
11 GROUND CREW INTERPHONE BUTTON
12 SPARE LAMPS
13 LIGHT ASSEMBLY
14 EXTRA TIMER
15 ALIGN CONTROL (IN) PANEL
16 CIRCUIT BREAKERS
17 C-2G COMPASS CONTROL PANEL
18 PHI NAVIGATION CONTROL PANEL
19 IFF CONTROL PANEL
20 DCU-9A SPECIAL STORES MONITOR PANEL
21 DUAL TIMER CONTROL PANEL
22 TACAN CONTROL PANEL
23 OXYGEN CONTROL PANEL

1 ECP 2015 C/W FIGHTER-BOMBER AIRCRAFT
2 ECP 2012 C/W FIGHTER AIRCRAFT
3 UNMODIFIED AIRCRAFT
4 GAF TA 1468 C/W
5 GAF TA 1468 N/C/W
6 2147 C/W
7 GAF AIRCRAFT
8 ECP 2017 C/W
9 ECP 2022 C/W FIGHTER AIRCRAFT
10 ECP 2024 C/W FIGHTER-BOMBER AIRCRAFT
11 T.O. 548 C/W
12 TA 1103 C/W
13 TA 1213 C/W

F Cons COCKPIT LAYOUT (TYPICAL)

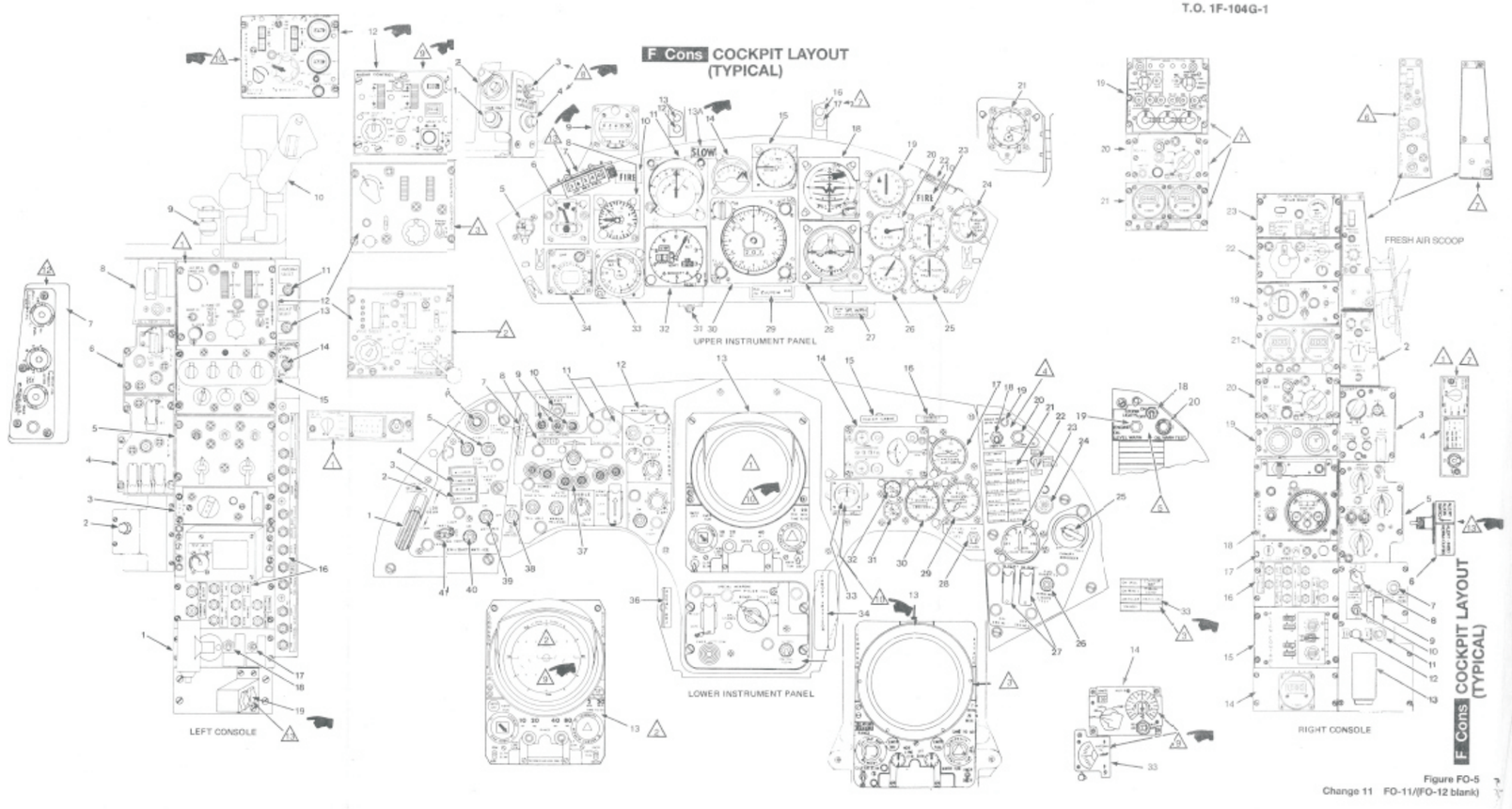


Figure FO-5

F-104 COCKPIT LAYOUT
TYPICAL

LEFT CONSOLE

1. SPOT LIGHT
2. EMERGENCY UHF CONTROL PANEL
3. ANTI-G VALVE
4. STABILITY CONTROL SWITCHES
5. AUTOMATIC PILOT CONTROL PANEL
6. FUEL CONTROL PANEL
7. AUXILIARY TRIM CONTROL PANEL
8. WING FLAP LEVER
9. THROTTLE
10. ANTENNA SELECT SWITCH
11. RADAR CONTROL PANEL
12. ROCKET SELECT SWITCH
13. UHF COMMAND RADIO CONTROL PANEL
14. CIRCUIT BREAKERS
15. GUN FIRING OVERRIDE GROUND TEST
16. STICK SHAKER MOTOR GROUND TEST SWITCH

UPPER INSTRUMENT PANEL

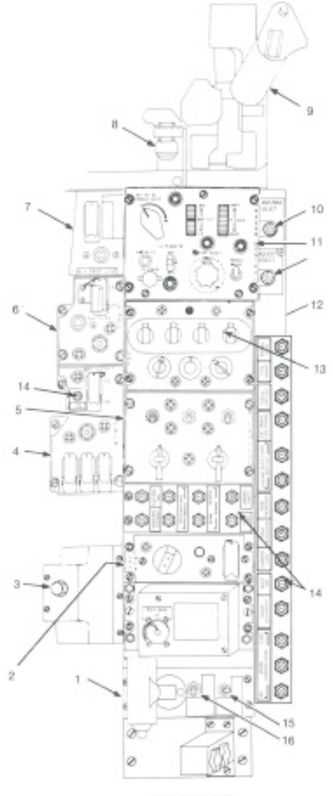
1. ARRESTING HOOK RELEASE LIGHT
2. ARRESTING HOOK RELEASE BUTTON
3. PITCH TRIM INDICATOR
4. CANOPY WARNING SOUND CUT-OFF
5. AILERON/RUDDER UNLIMITED WARNING LIGHT
6. RADAR ALTIMETER
7. STANDBY COMPASS
8. AIRSPEED AND MACH NUMBER INDICATOR
9. RADAR LOCK-ON LIGHT
10. APC INDICATOR
11. VERTICAL VELOCITY INDICATOR
12. BOMB RELEASE LIGHT
13. MM-3 ATTITUDE INDICATOR
14. ACCELEROMETER
15. TACHOMETER
16. EGT GAGE
17. CANOPY UNSAFE WARNING LIGHT
18. FIRE WARNING LIGHT (2)
19. OIL PRESSURE GAGE
20. CLOCK
21. CIT GAGE
22. FUEL FLOW INDICATOR
23. EXHAUST NOZZLE POSITION INDICATOR
24. SPECIAL WEAPON UNLOCKED WARNING LIGHT
25. STANDBY ATTITUDE INDICATOR
26. CAUTION LIGHT
27. PHI NAVIGATION SYSTEM INDICATOR
28. ALTIMETER
29. TURN AND SLIP INDICATOR
30. UHF PRESET CHANNEL SELECTOR

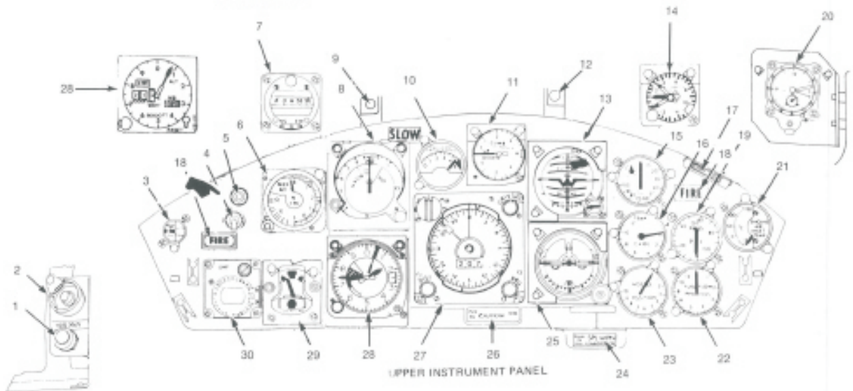
LOWER INSTRUMENT PANEL

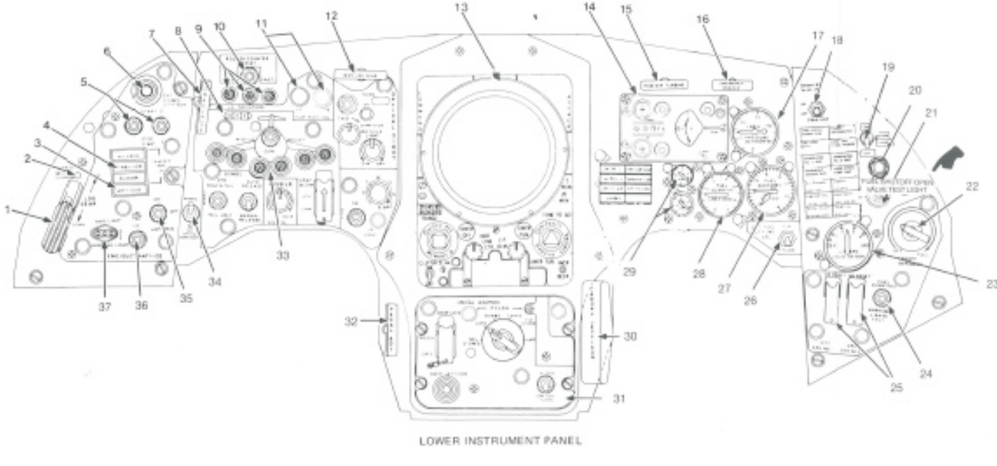
1. LANDING GEAR LEVER
2. DOWN LOCK MECHANISM OVERRIDE
3. ANTI-SKID LIGHT
4. TRIM LIGHTS
5. START SWITCHES
6. EXTERNAL STORES JETTISON BUTTON
7. CHUTE HANDLE
8. AMMUNITION ROUNDS COUNTER
9. LANDING GEAR POSITION INDICATOR LIGHTS
10. AMMUNITION ROUNDS COUNTER RESET SWITCH
11. WING FLAPS POSITION INDICATORS
12. MANUAL LANDING GEAR RELEASE HANDLE
13. RADAR INDICATOR
14. CLEARANCE PLANE AND ANTENNA TILT INDICATOR
15. PAT EXTENSION HANDLE
16. EMERGENCY NOZZLE CLOSURE HANDLE
17. CABIN ALTIMETER
18. STORM LIGHT SWITCH
19. EXTRA TIMER SWITCH
20. FUEL SHUTOFF OPEN VALVE TEST LIGHT
21. FIXED FREQUENCY RESET BUTTON
22. CANOPY DEFOGGING CONTROL
23. OXYGEN QUANTITY INDICATOR
24. FUEL QUANTITY SYSTEM TEST SWITCH
25. GENERATOR SWITCHES
26. EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
27. EXTERNAL FUEL QUANTITY INDICATOR
28. INTERNAL FUEL QUANTITY INDICATOR
29. HYDRAULIC PRESSURE GAGES
30. CANOPY JETTISON HANDLE
31. SPECIAL WEAPONS/WEAPONS SELECTOR PANEL
32. RUDDER PEDAL ADJUSTMENT HANDLE
33. ARMAMENT CONTROL PANEL
34. OPTICAL BORESIGHT TEST SWITCH
35. ANTI-SKID SWITCH
36. ENGINE DUCT ANT-ICE SWITCH
37. LANDING/TAXI LIGHT SWITCH

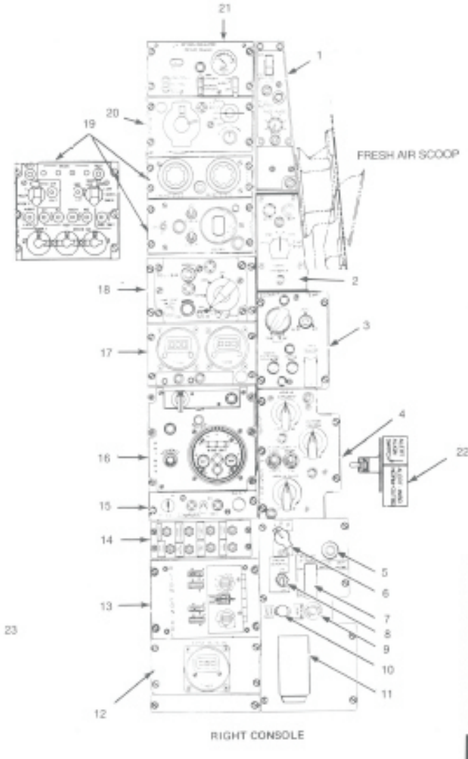
RIGHT CONSOLE AND SIDE WALL

1. PRESSURE SUIT OXYGEN PANEL
2. INERTIAL NAVIGATOR CONTROL PANEL
3. HEATING CONTROL PANEL
4. LIGHTING CONTROL PANEL
5. OPTICAL SIGHT SERVOAMPLIFIER TEST BUTTON
6. CAMERA SHUTTER SELECTOR SWITCH
7. PYLON JETTISON SWITCH
8. ENGINE MOTORING SWITCH
9. GROUND CREW INTERPHONE BUTTON
10. SPARE LAMPS
11. LIGHT ASSEMBLY
12. EXTRA TIMER
13. ALIGN CONTROL PANEL
14. CIRCUIT BREAKERS
15. C-2G COMPASS CONTROL PANEL
16. PHI NAVIGATION CONTROL PANEL
17. DUAL TIMER PANEL
18. DCU-9A SPECIAL STORES MONITOR PANEL
19. IFF/SIF CONTROL PANEL
20. TACAN CONTROL PANEL
21. OXYGEN CONTROL PANEL
22. ALERT ALIGN SWITCH (IF INSTALLED)









F-104 COCKPIT LAYOUT

TF MAP FRONT COCKPIT TYPICAL

UPPER INSTRUMENT PANEL

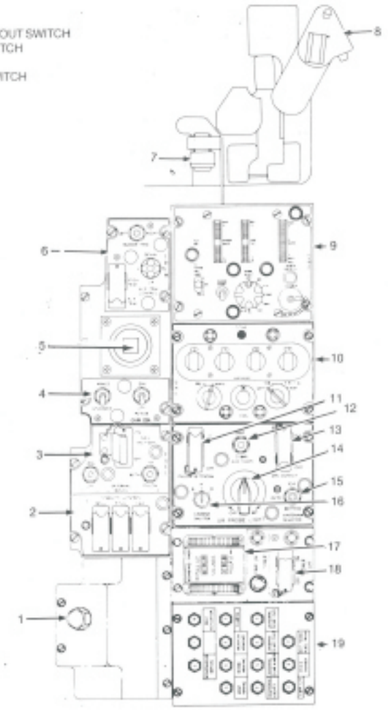
1. ARRESTING HOOK RELEASE BUTTON AND LIGHT
2. LANDING GEAR UNSAFE WARNING LIGHT
3. ACCELEROMETER
4. FIRE WARNING LIGHT
5. CLOCK
6. STANDBY COMPASS
7. AIRSPEED AND MACH NUMBER INDICATOR
8. CIT WARNING LIGHT
9. APC INDICATOR
10. STANDBY ATTITUDE INDICATOR
11. ATTITUDE INDICATOR
12. TACHOMETER
13. EGT GAGE
14. CANOPY UNSAFE WARNING LIGHT
15. OIL PRESSURE GAGE
16. CIT GAGE
17. FUEL FLOW INDICATOR
18. EXHAUST NOZZLE POSITION INDICATOR
19. VERTICAL VELOCITY INDICATOR
20. CAUTION LIGHT
21. POSITION AND HOMING INDICATOR
22. ALTIMETER
23. TURN-AND-SLIP INDICATOR
24. UHF PRESET CHANNEL SELECTOR

LOWER INSTRUMENT PANEL

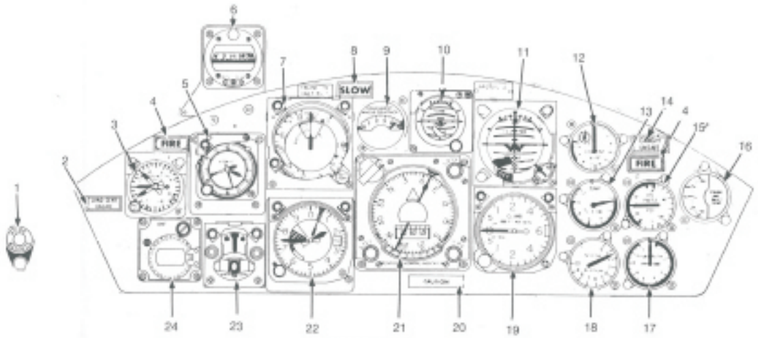
1. LANDING GEAR LEVER
2. DOWN LOCK MECHANICAL OVERRIDE
3. ANTI-SKID LIGHT
4. TRIM LIGHTS
5. START SWITCHES
6. EXTERNAL STORES JETTISON BUTTON
7. DRAG CHUTE HANDLE
8. LANDING GEAR POSITION INDICATOR LIGHTS
9. STANDBY ATTITUDE INDICATOR ERECT BUTTON
10. WING FLAPS POSITION INDICATORS
11. MANUAL LANDING GEAR RELEASE HANDLE
12. FLAP ASYMMETRY WARNING LIGHT 1017 C/W
13. RADAR INDICATOR AND CONTROL PANEL
14. RAT EXTENSION HANDLE
15. CLEARANCE PLANE AND ANTENNA TILT INDICATOR
16. EMERGENCY NOZZLE CLOSURE HANDLE
17. STORM LIGHT SWITCH
18. BEACON LIGHTS SWITCH 1032 C/W
19. WARNING LIGHTS PANEL
20. OXYGEN QUANTITY INDICATOR
21. FIXED-FREQUENCY RESET BUTTON
22. CANOPY DEFOGGING CONTROL
23. FUEL QUANTITY SYSTEM TEST SWITCH
24. GENERATOR SWITCHES
25. EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
26. EXTERNAL FUEL QUANTITY INDICATOR
27. CABIN ALTIMETER
28. INTERNAL FUEL QUANTITY INDICATOR
29. HYDRAULIC SYSTEM PRESSURE GAGES
30. RADAR MODE INDICATOR LIGHTS
31. CANOPY JETTISON HANDLE
32. WEAPONS SELECTOR PANEL
33. RUDDER PEDAL ADJUSTMENT HANDLE
34. ARMAMENT CONTROL PANEL
35. OPTICAL BORESIGHT TEST SWITCH
36. ANTI-SKID SWITCH
37. ENGINE DUCT ANTI-ICE SWITCH
38. LANDING/TAXI LIGHT SWITCH

LEFT CONSOLE

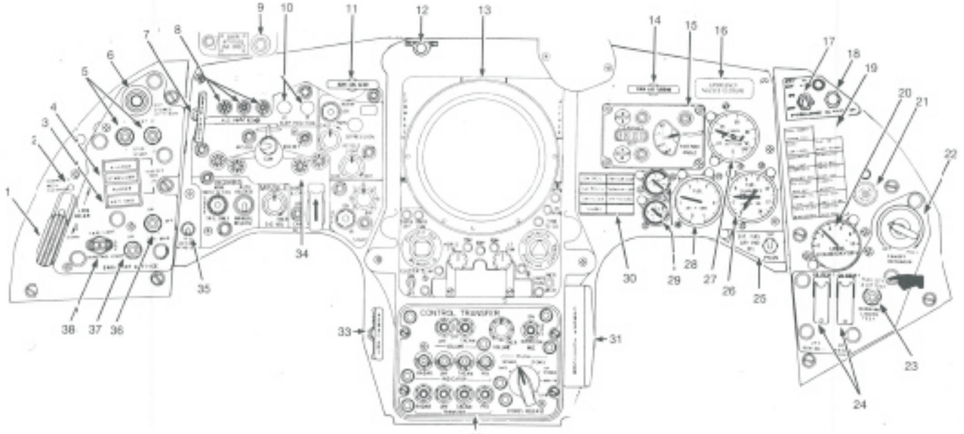
1. ANTI-G SUIT VALVE
2. STABILITY CONTROL SWITCHES
3. FUEL CONTROL PANEL
4. AGM-12B CONTROL PANEL
5. AGM-12 GUIDANCE CONTROL HANDLE
6. TRIM CONTROL PANEL
7. WING FLAP LEVER
8. THROTTLE
9. RADAR CONTROL PANEL
10. UHF COMMAND RADIO CONTROL PANEL
11. PYLON JETTISON SWITCH
12. A/A SCAN SWITCH
13. AUTOMATIC PITCH CONTROL CUTOUT SWITCH
14. AIR REFUELING PROBE LIGHT SWITCH
15. ANTENNA SELECT SWITCH
16. CAMERA SHUTTER SELECTOR SWITCH
17. DUAL TIMER PANEL
18. EMER UHF SWITCH
19. CIRCUIT BREAKERS



LEFT CONSOLE



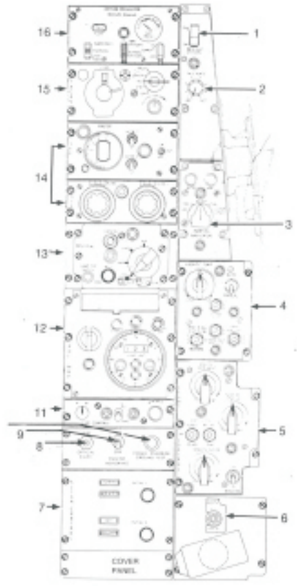
UPPER INSTRUMENT PANEL



LOWER INSTRUMENT PANEL

RIGHT CONSOLE

1. PRESSURE SUIT OXYGEN SUPLY LEVER
2. FACE PLATE HEATRHEOSTAT
3. INERTIAL NAVIGATOR CONTROL PANEL
4. HEATING CONTROL PANEL
5. LIGHTING CONTROL PANEL
6. ROCKET SELECT SWITCH
7. IN ALIGN CONTROL PANEL
8. OPTICAL SIGHT SERVOAMPLIFIER TEST BUTTON
9. ENGINE MOTORING SWITCH
10. FIRING OVERRIDE GROUND TEST SWITCH
11. C-2G COMPASS CONTROL PANEL
12. PHINAVIGATOR CONTROL PANEL
13. DCU-1A CONTROL PANEL
14. IFF CONTROL PANELS
15. TACAN CONTROL PANEL
16. OXYGEN CONTROL PANEL



RIGHT CONSOLE

TF MAP FRONT COCKPIT TYPICAL

Figure FO-7

TF MAP REAR COCKPIT TYPICAL

UPPER INSTRUMENT PANEL

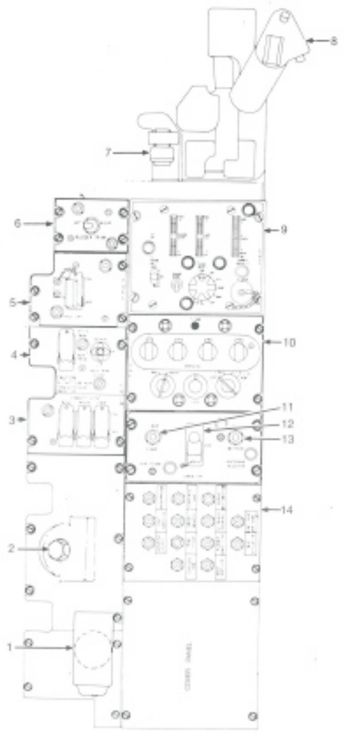
1 LANDING GEAR UNSAFE WARNING LIGHT
2 ACCELROMETER
3 FIRE WARNING LIGHT
4 CLOCK
5 AIRSPEED AND MACH NUMBER INDICATOR
6 CIT WARNING LIGHT
7 APC INDICATOR
8 STANDBY ATTITUDE INDICATOR
9 ATTITUDE INDICATOR
10 TACHOMETER
11 CANOPY UNSAFE WARNING LIGHT
12 CIT GAGE
13 OIL PRESSURE GAGE
14 FUEL FLOW INDICATOR
15 EXHAUST NOZZLE POSITION INDICATOR
16 EGT GAGE
17 VERTICAL VELOCITY INDICATOR
18 CAUTION LIGHT
19 POSITION AND HOMING INDICATOR
20 ALTIMETER
21 TURN-AND-SLIP INDICATOR
22 UHF PRESET CHANNEL SELECTOR

LOWER INSTRUMENT PANEL

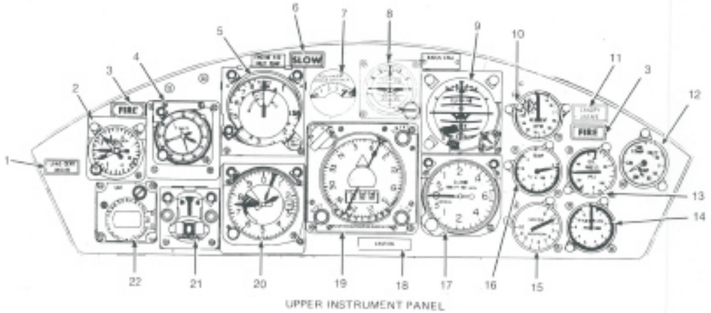
1 LANDING GEAR LEVER
2 DOWN LOCK MECHANICAL OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 DRAG CHUTE HANDLE
8 STANDBY ATTITUDE INDICATOR ERECT BUTTON
9 WING FLAP POSITION INDICATOR
10 MANUAL LANDING GEAR RELEASE HANDLE
11 RADAR INDICATOR AND CONTROL PANEL
12 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
13 RAT EXTENSION HANDLE
14 EMERGENCY NOZZLE CLOSURE HANDLE
15 CABIN ALTIMETER
16 STORM LIGHT SWITCH
17 BEACON LIGHTS SWITCH 1032 C/W
18 WARNING LIGHTS PANEL
19 OXYGEN QUANTITY INDICATOR
20 FIXED-FREQUENCY RESET BUTTON
21 FUEL QUANTITY SYSTEM TEST SWITCH
22 GENERATOR SWITCHES
23 EXTERNAL FUEL QUANTITY INDICATOR
24 INTERNAL FUEL QUANTITY INDICATOR
25 HYDRAULIC SYSTEM PRESSURE GAGES
26 RADAR MODE INDICATOR LIGHTS
27 CANOPY JETTISON HANDLE
28 WEAPONS SELECTOR PANEL
29 RUDDER PEDAL ADJUSTMENT HANDLE
30 ARMAMENT CONTROL PANEL
31 LANDING GEAR POSITION INDICATOR LIGHTS
32 ANTI-SKID SWITCH
33 ENGINE DUCT ANTI-ICE SWITCH
34 LANDING/TAXI LIGHT SWITCH

LEFT CONSOLE

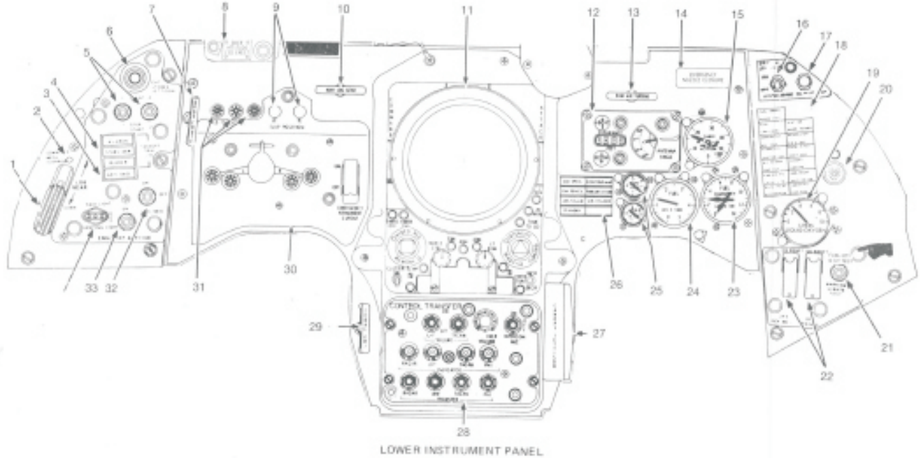
1 MAP LIGHT
2 ANTI-G SUIT VALVE
3 STABILITY CONTROL SWITCHES
4 TRIM CONTROL PANEL
5 FUEL SHUTOFF SWITCH
6 RUDDER TRIM SWITCH
7 WING FLAP LEVER
8 THROTTLE
9 RADAR CONTROL PANEL
10 UHF COMMAND RADIO CONTROL PANEL
11 A/A SCAN SWITCH
12 EMERGENCY UHF SWITCH
13 ANTENNA SELECTOR SWITCH
14 CIRCUIT BREAKERS



LEFT CONSOLE



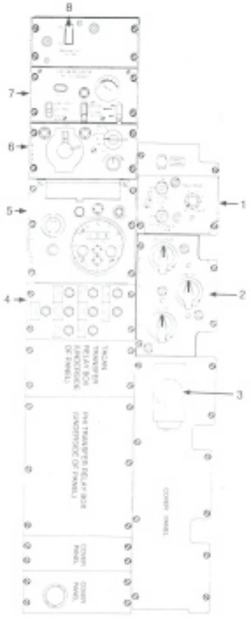
UPPER INSTRUMENT PANEL



LOWER INSTRUMENT PANEL

RIGHT CONSOLE

1 HEATING CONTROL PANEL
2 LIGHTING CONTROL PANEL
3 MAP LIGHT
4 CIRCUIT BREAKERS
5 PHI NAVIGATION CONTROL PANEL
6 TACAN CONTROL PANEL
7 OXYGEN CONTROL PANEL
8 PRESSURE SUIT OXYGEN SUPPLY LEVER



RIGHT CONSOLE

TF MAP REAR COCKPIT TYPICAL

TF Cons FRONT COCKPIT TYPICAL

LEFT CONSOLE AND LEFT SIDE WALL

1. ANTI-G SUIT VALVE
2. CES SELECTOR LEVER GAF/Luke
3. STABILITY CONTROL PANEL
4. APC CUTOUT SWITCH
5. UHF EMERGENCY VOLUME CONTROL
6. FUEL CONTROL PANEL
7. TRIM CONTROL PANEL
8. RADAR CONTROL PANEL
9. WING FLAP LEVER
10. THROTTLE
11. UHF COMMAND RADIO CONTROL PANEL
12. EMERGENCY UHF CONTROL PANEL
13. CIRCUIT BREAKERS
14. ANTENNA SELECT SWITCH
15. MAP LIGHT
16. FIRING OVERRIDE GROUND TEST SWITCH

UPPER INSTRUMENT PANEL

1. ARRESTING HOOK RELEASE LIGHT
2. ARRESTING HOOK RELEASE BUTTON
3. ANTI-COLLISION LIGHT SWITCH GAF
4. RADAR TRANSMITTER RESET BUTTON GAF
5. LANDING GEAR UNSAFE WARNING LIGHT
6. FIRE WARNING LIGHT (2)
7. TURN AND SLIP INDICATOR
8. ACCELEROMETER
9. STANDBY COMPASS
10. AIRSPEED AND MACH NUMBER INDICATOR
11. IFF WARNING LIGHT (INOP)
12. RADAR LOCK-ON LIGHT
13. CIT WARNING LIGHT
14. APC INDICATOR
15. VERTICAL VELOCITY INDICATOR
16. BOMB RELEASE
17. RADIO ALTIMETER WARNING LIGHT
18. MM-3 ATTITUDE INDICATOR
19. TACHOMETER
20. EGT GAGE
21. CANOPY UNSAFE WARNING LIGHT
22. OIL PRESSURE GAGE
23. CIT GAGE
24. CLOCK
25. FUEL FLOW INDICATOR
26. EXHAUST NOZZLE POSITION INDICATOR
27. STANDBY ATTITUDE INDICATOR
28. CAUTION LIGHT
29. PHI NAVIGATION SYSTEM INDICATOR
30. FLAP ASYMMETRY WARNING LIGHT 1617 C/W
31. ALTIMETER
32. RADIO ALTIMETER
33. UHF PRESET CHANNEL SELECTOR TA 1213 C/W

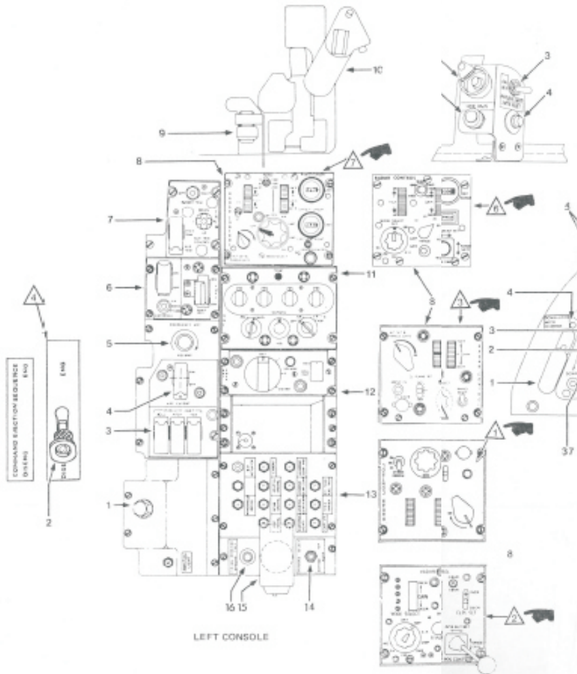
LOWER INSTRUMENT PANEL AND SIDE PANELS

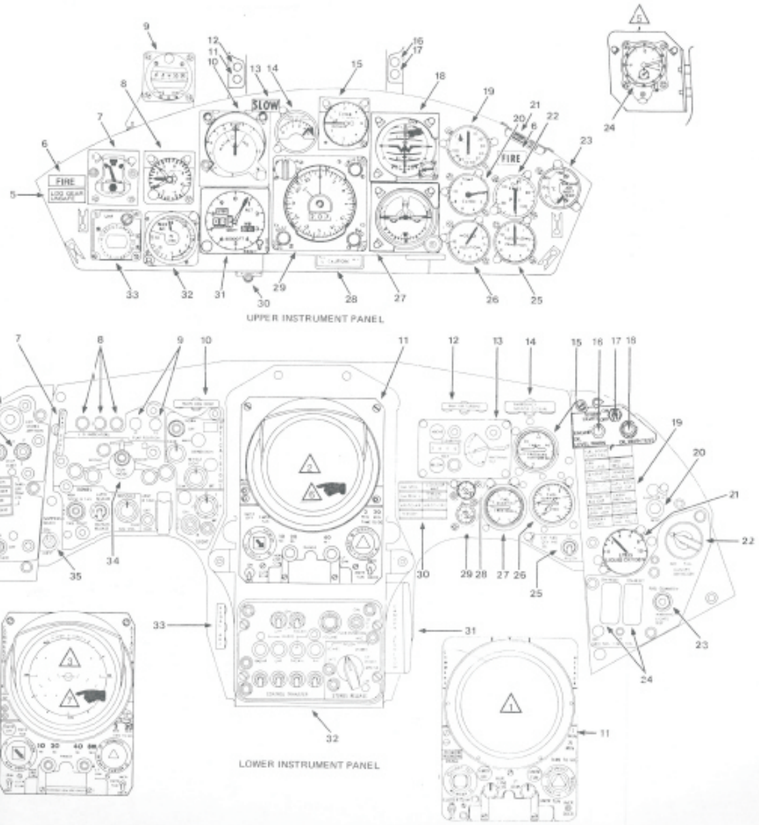
1. LANDING GEAR LEVER
2. ANTI-SKID LIGHT
3. TRIM LIGHTS
4. DOWN LOCK MECHANICAL OVERRIDE
5. START SWITCHES
6. EXTERNAL STORES JETTISON BUTTON
7. CHUTE HANDLE
8. LANDING GEAR POSITION INDICATOR LIGHTS
9. WING FLAP POSITION INDICATORS
10. MANUAL LANDING GEAR RELEASE HANDLE
11. RADAR INDICATOR
12. RAT EXTENSION HANDLE
13. CLEARANCE PLANE AND ANTENNA TILT INDICATOR
14. EMERGENCY NOZZLE CLOSURE HANDLE
15. CABIN ALTIMETER
16. ENGINE OIL LEVEL WARNING LIGHT
17. STORM LIGHT SWITCH
18. OIL WARNING TEST BUTTON
19. WARNING LIGHTS PANEL
20. FIXED-FREQUENCY RESET BUTTON
21. OXYGEN QUANTITY INDICATOR
22. CANOPY DEFOGGING CONTROL
23. FUEL QUANTITY SYSTEM TEST SWITCH
24. GENERATOR SWITCHES
25. EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
26. EXTERNAL FUEL QUANTITY INDICATOR
27. INTERNAL FUEL QUANTITY INDICATOR
28. NO. 1 HYDRAULIC PRESSURE GAGE
29. NO. 2 HYDRAULIC PRESSURE GAGE
30. RADAR MODE INDICATOR LIGHTS
31. CANOPY JETTISON HANDLE
32. CONTROL TRANSFER PANEL
33. RUDDER PEDAL ADJUSTMENT HANDLE
34. ARMAMENT CONTROL PANEL
35. NARROW SCAN SWITCH
36. ANTI-SKID SWITCH
37. LANDING/TAXI LIGHT SWITCH

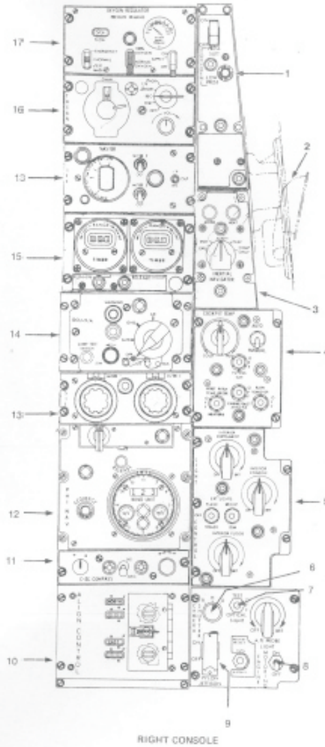
RIGHT CONSOLE

1. OXYGEN LOW PRESSURE WARNING LIGHT
2. FRESH AIR SCOOP LEVER
3. INERTIAL NAVIGATOR CONTROL PANEL
4. HEATING CONTROL PANEL
5. LIGHTING CONTROL PANEL
6. CAMERA SHUTTER SELECTOR SWITCH
7. OPTICAL SIGHT SERVO AMPLIFIER TEST BUTTON
8. ENGINE MOTORING SWITCH
9. PYLON JETTISON SWITCH
10. AUGN CONTROL (INS PANEL
11. C-2G COMPASS CONTROL PANEL
12. PHI NAVIGATION CONTROL PANEL
13. IFF CONTROL PANEL
14. DCU-9A SPECIAL STORES MONITOR PANEL
15. DUAL TIMER BOMBING CONTROL PANEL
16. TACAN CONTROL PANEL
17. OXYGEN CONTROL PANEL

1. UNMODIFIED AIRCRAFT
2. ECP 2012 C/W FIGHTER AIRCRAFT
3. ECP 2015 C/W FIGHTER-BOMBER AIRAFT
4. GAF/Luke AIRCRAFT ONLY
5. GAF AIRCRAFT ONLY
6. ECP 2022 C/W FIGHTER AIRCRAFT
7. ECP 2024 C/W FIGHTER-BOMBER AIRAFT







TF Cons FRONT COCKPIT TYPICAL

Figure FO-9

UPPER INSTRUMENT PANEL

1 ARRESTING HOOK RELEASE LIGHT
2 ARRESTING HOOK RELEASE BUTTON
3 ANTI-COLLISION LIGHT SWITCH GAF
4 RADAR TRANSMITTER RESET BUTTON GAF
5 LANDING GEAR UNSAFE WARNING LIGHT
6 FIRE WARNING LIGHT (2)
7 TURN AND SLIP INDICATOR
8 ACCELEROMETER
9 AIRSPEED AND MACH NUMBER INDICATOR
10 CIT WARNING LIGHT
11 APC INDICATOR
12 RADIO ALTIMETER WARNING LIGHT
13 BOMB RELEASE LIGHT
14 VERTICAL VELOCITY INDICATOR
15 ROCKET BLAST PROTECTOR
16 MM-3 ATTITUDE INDICATOR
17 TACHOMETER
18 CANOPY UNSAFE WARNING LIGHT
19 CLOCK GAF
20 CIT GAGE
21 OIL PRESSURE GAGE
22 FUEL FLOW INDICATOR
23 EXHAUST NOZZLE POSITION INDICATOR
24 EGT GAGE
25 STANDBY ATTITUDE INDICATOR
26 CAUTION WARNING LIGHT
27 PHI NAVIGATION SYSTEM INDICATOR
28 ALTIMETER
29 RADAR ALTIMETER
30 UHF PRESET CHANNEL SELECTOR TA 1213 C/W

LOWER INSTRUMENT PANEL AND SIDE PANELS

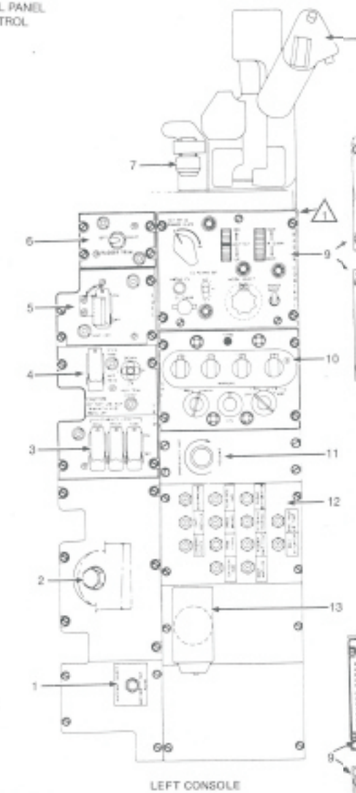
1 LANDING GEAR LEVER
2 DOWN LOCK MECHANICAL OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 CHUTE HANDLE
8 LANDING GEAR POSITION INDICATOR LIGHTS
9 WING FLAP POSITION INDICATORS
10 MANUAL LANDING GEAR RELEASE HANDLE
11 FLAP ASYMMETRY WARNING LIGHT 1017 C/W
12 RADAR INDICATOR
13 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
14 RAT EXTENSION HANDLE
15 EMERGENCY NOZZLE CLOSURE HANDLE
16 CABIN ALTIMETER
17 STORM LIGHT SWITCH
18 WARNING LIGHTS PANEL
19 OXYGEN QUANTITY INDICATOR
20 FUEL QUANTITY SYSTEM TEST SWITCH
21 GENERATOR SWITCHES
22 EXTERNAL FUEL QUANTITY INDICATOR
23 INTERNAL FUEL QUANTITY INDICATOR
24 HYDRAULIC PRESSURE GAGES
25 RADAR MODE INDICATOR LIGHTS
26 CANOPY JETTISON HANDLE
27 CONTROL TRANSFER PANEL
28 RUDDER PEDAL ADJUSTMENT HANDLE
29 ARMAMENT CONTROL PANEL
30 COMMAND EJECT DISENGAGED WARNING LIGHT GAF/Luke
31 NARROW SCAN SWITCH
32 ANTI-SKID SWITCH
33 LANDING/TAXI LIGHT SWITCH

LEFT CONSOLE

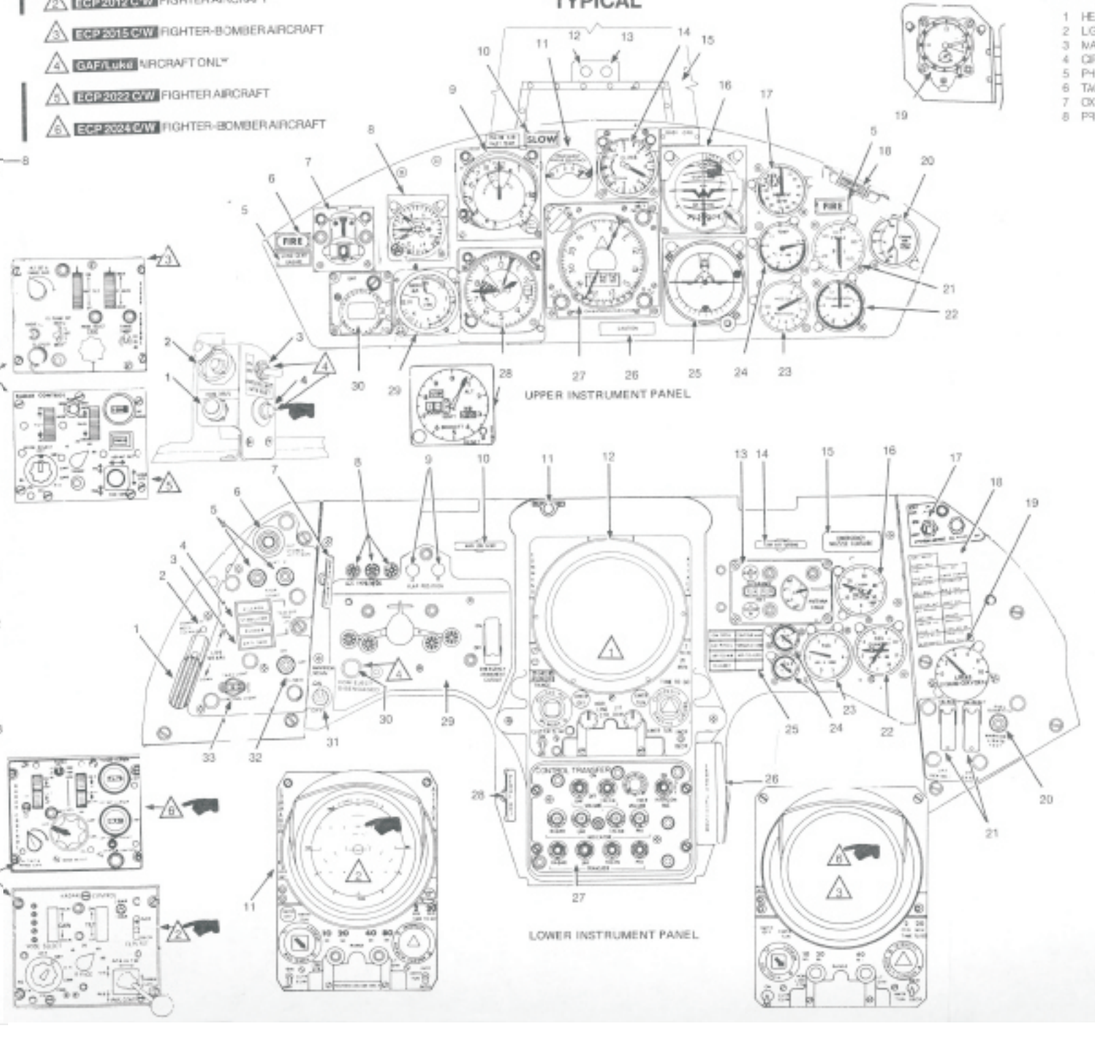
1 ANTENNA SELECT SWITCH
2 ANTI-G SUIT VALVE
3 STABILITY CONTROL PANEL
4 TRIM CONTROL PANEL
5 FUEL CONTROL PANEL
6 RUDDER TRIM SWITCH
7 WING FLAP LEVER
8 THROTTLE
9 RADAR CONTROL PANEL
10 UHF COMMAND RADIO CONTROL PANEL
11 UHF EMERGENCY VOLUME CONTROL
12 CIRUIT BREAKERS
13 MAP LIGHT

1 UNMODIFIED AIRCRAFT
2 ECP 2012 C/W FIGHTER AIRCRAFT
3 ECP 2015 C/W FIGHTER-BOMBER AIRCRAFT
4 GAF/Luke AIRCRAFT ONLY
5 ECP 2022 C/W FIGHTER AIRCRAFT
6 ECP 2024 C/W FIGHTER-BOMBER AIRCRAFT

TF Cons REAR COCKPIT TYPICAL



LEFT CONSOLE

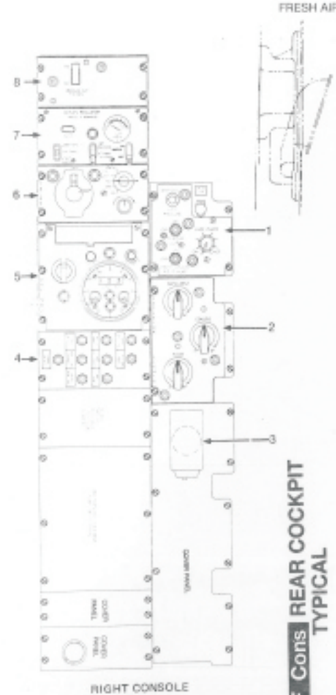


UPPER INSTRUMENT PANEL

LOWER INSTRUMENT PANEL

RIGHT CONSOLE

1 HEATING CONTROL PANEL
2 LIGHTING CONTROL PANEL
3 MAP LIGHT
4 CIRCUIT BREAKERS
5 PHI NAVIGATION CONTROL PANEL
6 TACAN CONTROL PANEL
7 OXYGEN CONTROL PANEL
8 PRESSURE SUIT OXYGEN SUPPLY LEVER



RIGHT CONSOLE

TF Cons REAR COCKPIT TYPICAL

Figure FO-10

TF IAF COCKPIT LAYOUT, FRONT COCKPIT

TYPICAL

LEFT CONSOLE

1 ANTI-G SUIT VALVE
2 FIRING OVERRIDE GROUND TEST
3 ANTENNA SELECT SWITCH
4 UHF EMERGENCY VOLUME CONTROL
5 APC CUTOUT SWITCH
6 STABILITY CONTROL PANEL
7 FUEL CONTROL PANEL
8 TRIM CONTROL PANEL
9 WING FLAP LEVER
10 THROTTLE
11 RADAR CONTROL PANEL
12 UHF COMMAND RADIO CONTROL PANEL
13 CIRCUIT BREAKERS
14 EMERGENCY UHF CONTROL PANEL
15 MAP LIGHT

UPPER INSTRUMENT PANEL

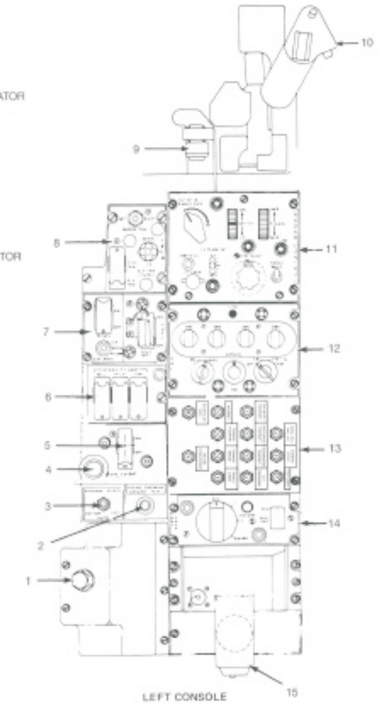
1 ARRESTING HOOK RELEASE LIGHT
2 ARRESTING HOOK RELEASE BUTTON
3 LANDING GEAR UNSAFE WARNING LIGHT
4 FIRE WARNING LIGHT (2)
5 CANOPY WARNING SOUND CUT OFF
6 AILERON/RUDDER UNLIMITED WARNING LIGHT
7 ACCELEROMETER
8 STANDBY COMPASS
9 AIRSPEED AND MACH NUMBER INDICATTOR
10 CIT WARNING LIGHT
11 APC INDICATOR
12 VERTICAL VELOCITY INDICATOR
13 MM-3 ATTITUDE INDICATOR
14 TACHOMETER
15 EGT GAGE
16 OIL PRESSURE GAGE
17 CIT GAGE
18 FUEL FLOW INDICATOR
19 EXHAUST NOZZLE POSITION INDICATOR
20 STANDBY ATTITUDE INDICATOR
21 CAUTION LIGHT
22 PHI NAVIGATION SYSTEM INDICATOR
23 ALTIMETER
24 TURN AND SLIP INDICATOR
25 UHF PRESET CHANNEL SELECTOR
26 CLOCK

LOWER INSTRUMENT PANEL

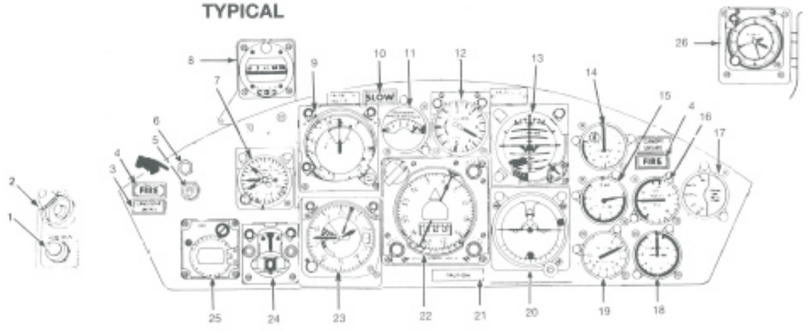
1 LANDING GEAR LEVER
2 DOWN LOCK MECHANISM OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 CHUTE HANDLE
8 LANDING GEAR POSITION INDICATOR LIGHTS
9 WING FLAP POSITION INDICATORS
10 MANUAL LANDING GEAR RELEASE HANDLE
11 RADAR INDICATOR
12 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
13 RAT EXTENSION HANDLE
14 EMERGENCY NOZZLE CLOSURE HANDLE
15 CABIN ALTIMETER
16 STORM LIGHT SWITCH
17 EXTRA TIMER SWITCH
18 FUEL SHUTOFF OPEN VALVE TEST LIGHT
19 FIXED FREQUENCY RESET BUTTOM
20 CANOPY DEFOGGING CONTROL
21 OXYGEN QUANTITY INDICATOR
22 FUEL QUANTITY SYSTEM TEST SWITCH
23 GENERATOR SWITCHES
24 EXTERNAL FUEL QUANTITY INDICATOR SELECTOR SWITCH
25 EXTERNAL FUEL QUANTITY INDICATOR
26 INTERNAL FUEL QUANTITY INDICATOR
27 HYDRAULIC PRESSURE GAGES
28 RADAR MODE INDICATOR LIGHTS
29 CANOPY JETTISON HANDLE
30 CONTROL TRANSFER PANEL
31 RUDDER PEDAL ADJUSTMENT HANDLE
32 ARMAMENT CONTROL PANEL
33 BORESIGHT OPTICAL TEST
34 ANTI-SKID SWITCH
35 LANDING LIGHT SWITCH

RIGHT CONSOLE

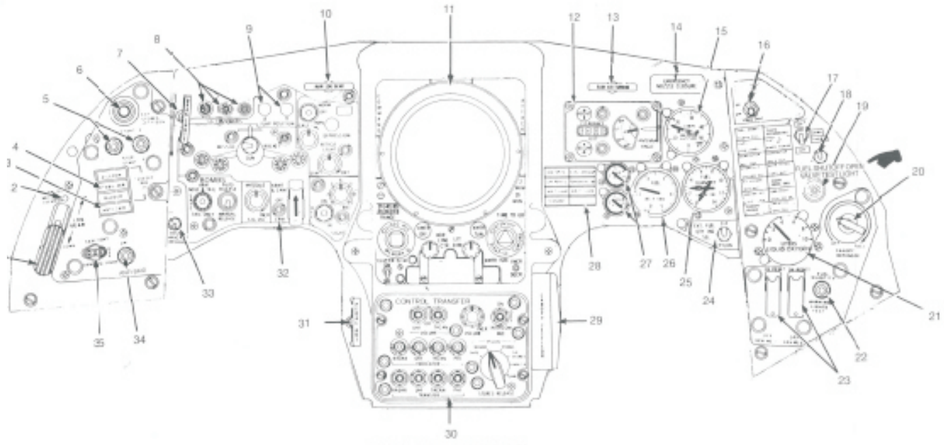
1 OXYGEN LOW PRESSURE WARNING LIGHT
2 INERTIAL NAVIGATOR CONTROL PANEL
3 HEATING CONTROL PANEL
4 LIGHTING CONTROL PANEL
5 OPTICAL SIGHT TEST SWITCH
6 ENGINE MOTORING SWITCH
7 CAMERA SHUTTER
8 PYLON JETTISON SWITCH
9 EXTRA TIMER
10 DCU-9A SPECIAL STORES MONITOR PANEL
11 C-2G COMPASS CONTROL PANEL
12 PHI NAVIGATION CONTROL PANEL
13 DUAL TIMER BOMBING CONTROL PANEL
14 IFF/SIF CONTROL PANEL.
15 TACAN CONTROL PANEL.
16 OXYGEN CONTROL PANEL



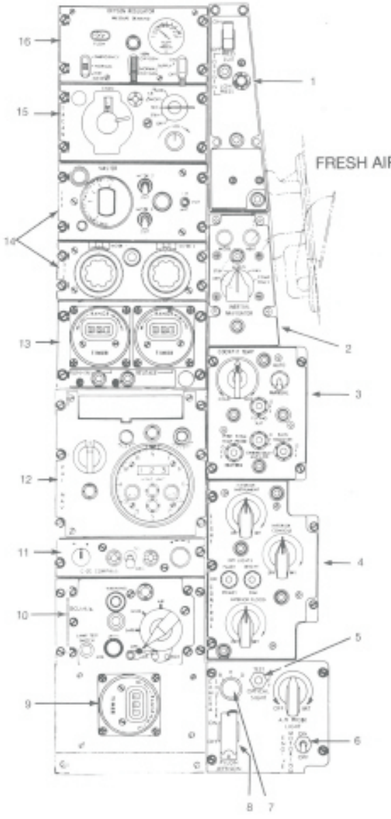
LEFT CONSOLE



UPPER INSTRUMENT PANEL



LOWER INSTRUMENT PANEL



RIGHT CONSOLE

TF IAF COCKPIT

Figure FO-11

TF IAF COCKPIT LAYOUT, REAR COCKPIT TYPICAL

LEFT CONSOLE

1 ANTENNA SELECT SWITCH
2 ANTI-G SUIT VALVE
3 STABILITY CONTROL SWITCHES
4 TRIM CONTROL PANEL
5 FUEL CONTROL PANEL
6 RUDDER TRIM SWITCH
7 WING FLAP LEVER
8 THROTTLE
9 RADAR CONTROL PANEL
10 UHF COMMAND RADIO CONTROL PANEL
11 UHF EMERGENCY VOLUME CONTROL
12 MAP LIGHT
13 ALIGN CONTROL PANEL

UPPER INSTRUMENT PANEL

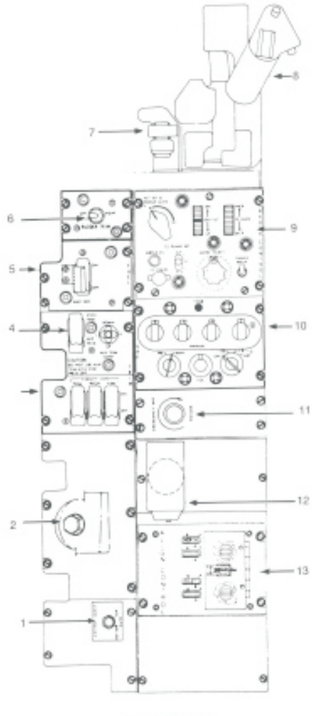
1 HOOK RELEASE LIGHT
2 HOOK RELEASE BUTTON
3 LANDING GEAR UNSAFE WARNING LIGHT
4 FIRE WARNING LIGHT (2)
5 CANOPY WARNING SOUND CUT-OFF
6 AILERON/RUDDER UNLIMITED WARNING LIGHT
7 ACCELEROMETER
8 AIRSPEED AND MACH NUMBER INDICATOR
9 CIT WARNING LIGHT
10 APC INDICATOR
11 VERTICAL VELOCITY INDICATOR
12 MM-3 ATTITUDE INDICATOR
13 TACHOMETER
14 EGT GAGE
15 OIL PRESSURE GAGE
16 CIT GAGE
17 FUEL FLOW INDICATOR
18 EXHAUST NOZZLE POSITION INDICATOR
19 STANDBY ATTITUDE INDICATOR
20 CAUTION/WARNING LIGHT
21 PHI NAVIGATION SYSTEM INDICATOR
22 ALTIMETER
23 TURN AND SLIP INDICATOR
24 UHF PRESET CHANNEL SELECTOR
25 CLOCK

LOWER INSTRUMENT PANEL

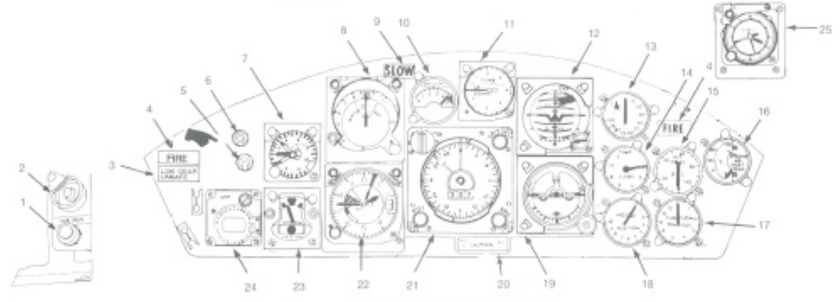
1 LANDING GEAR LEVER
2 DOWN LOCK MECHANISM OVERRIDE
3 ANTI-SKID LIGHT
4 TRIM LIGHTS
5 START SWITCHES
6 EXTERNAL STORES JETTISON BUTTON
7 CHUTE HANDLE
8 LANDING GEAR POSITION INDICATOR LIGHTS
9 WING FLAPS POSITION INDICATORS
10 MANUAL LANDING GEAR RELEASE HANDLE
11 RADAR INDICATOR
12 RAT EXTENSION HANDLE
13 CLEARANCE PLANE AND ANTENNA TILT INDICATOR
14 EMERGENCY NOZZLE CLOSURE HANDLE
15 CABIN ALTIMETER
16 STORM LIGHT SWITCH
17 OXYGEN QUANTITY INDICATOR
18 FUEL SHUTOFF OPEN/VALVE TEST LIGHT
19 FUEL QUANTITY SYSTEM TEST SWITCH
20 GENERATOR SWITCHES
21 EXTERNAL FUEL QUANTITY INDICATOR
22 INTERNAL FUEL QUANTITY INDICATOR
23 HYDRAULIC PRESSURE GAGES
24 RADAR MODE INDICATOR LIGHTS
25 CANOPY JETTISON HANDLE
26 CONTROL TRANSFER PANEL
27 RUDDER PEDAL ADJUSTMENT HANDLE
28 ARMAMENT CONTROL PANEL
29 ANTI-SKID SWITCH
30 LANDING LIGHT SWITCH

RIGHT CONSOLE

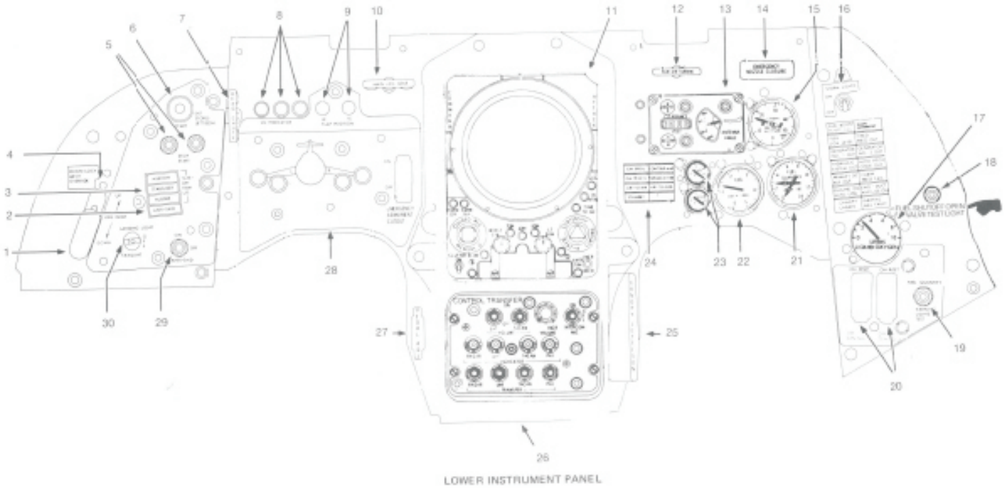
1 HEATING CONTROL PANEL
2 LIGHTING CONTROL PANEL
3 MAP LIGHT
4 CIRCUIT BREAKERS
5 PHI NAVIGATION CONTROL PANEL
6 TACAN CONTROL PANEL
7 OXYGEN CONTROL PANEL
8 PRESSURE SUIT OXYGEN SUPPLY LEVER



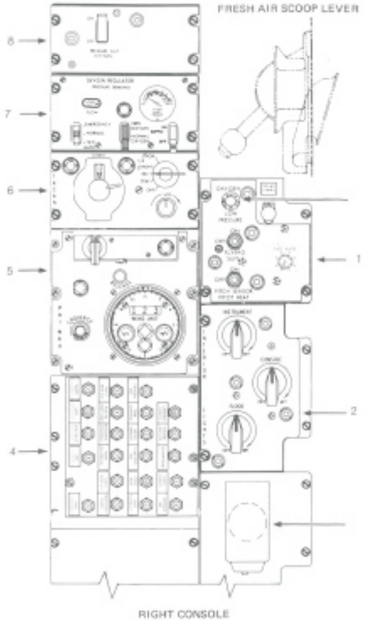
LEFT CONSOLE



UPPER INSTRUMENT PANEL



LOWER INSTRUMENT PANEL



RIGHT CONSOLE

TF IAF COCKPIT LAYOUT, REAR COCKPIT

Figure FO-12

ENGINE FUEL SYSTEM

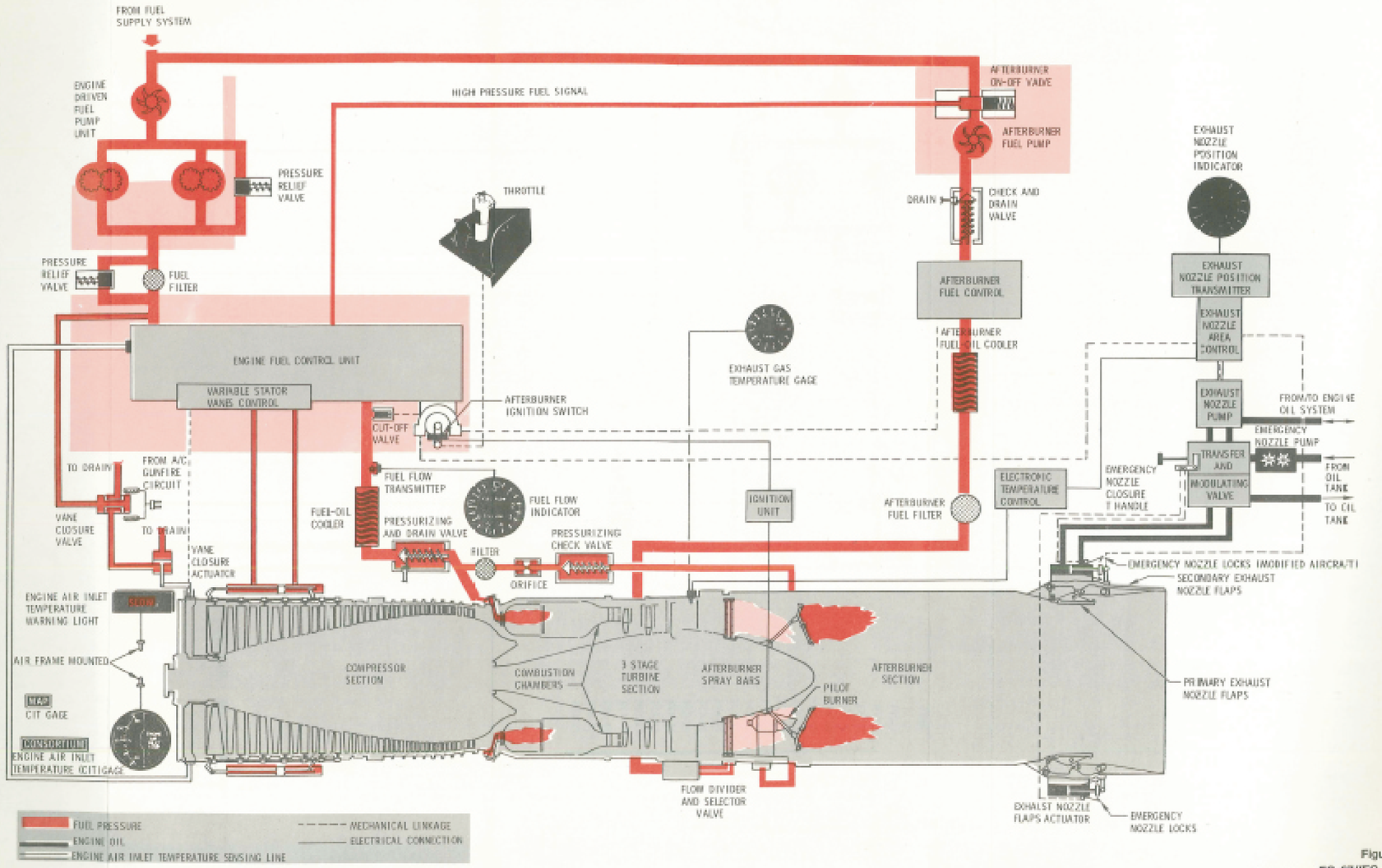
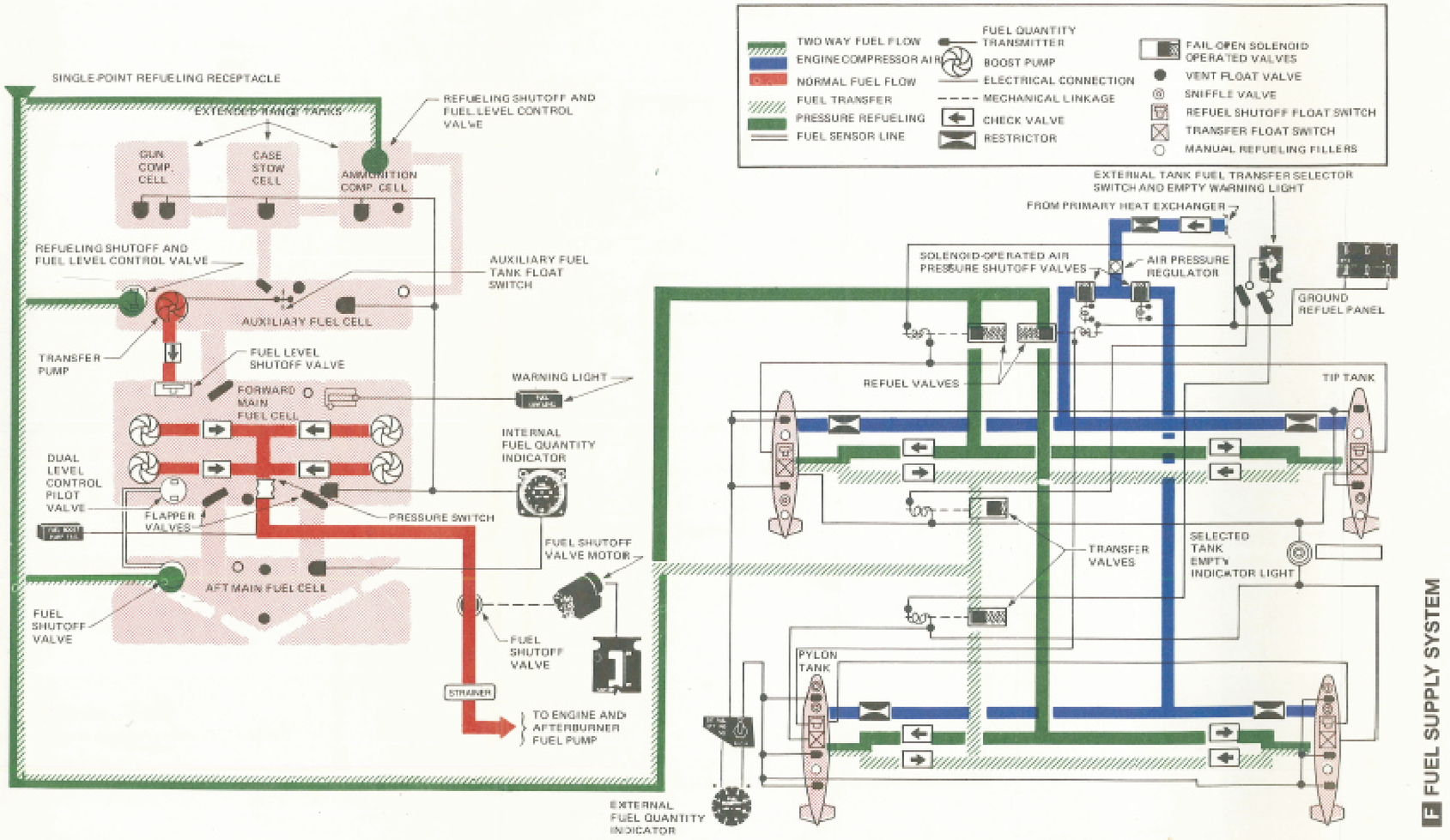


Figure FO-13

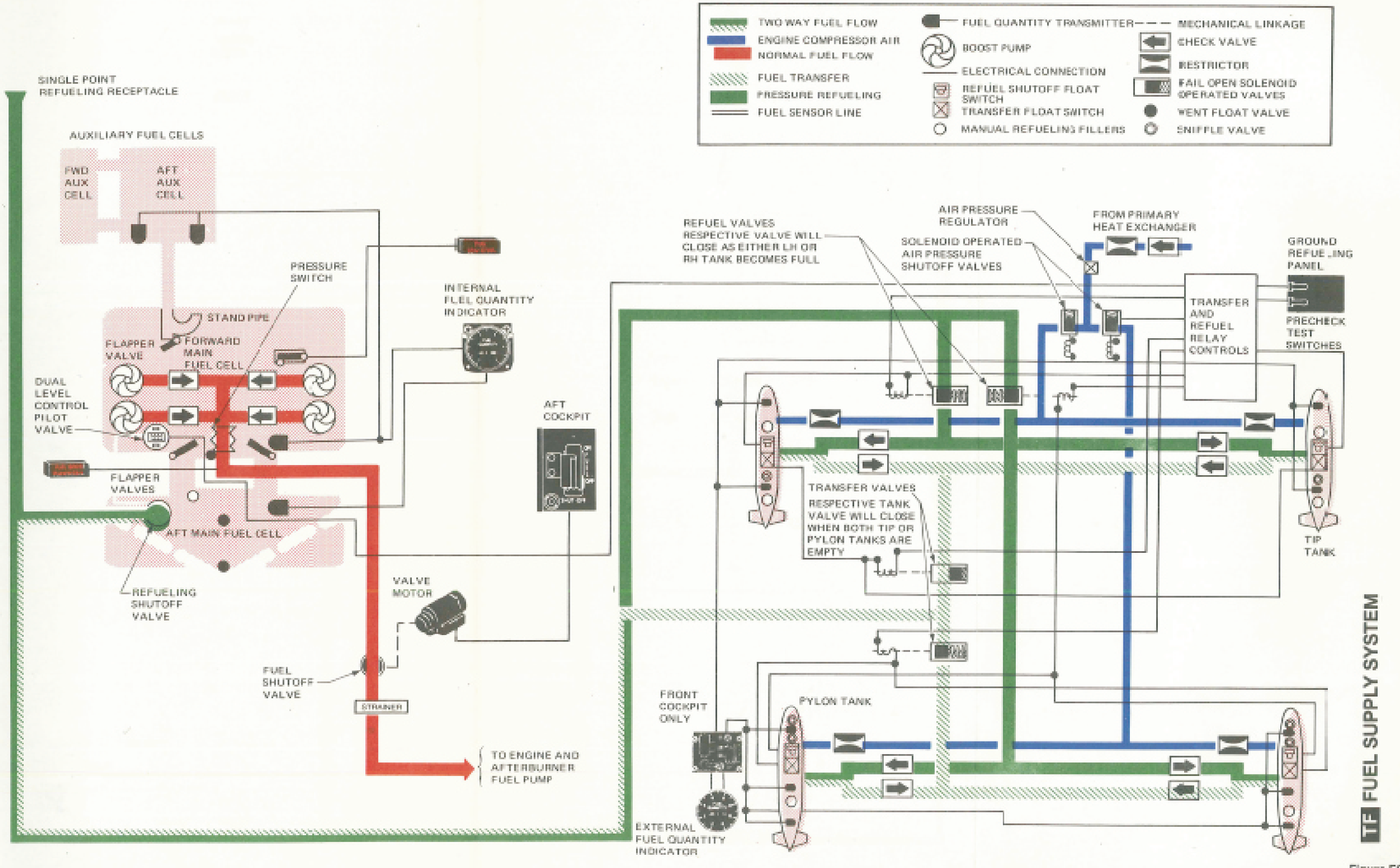
F FUEL SUPPLY SYSTEM



F FUEL SUPPLY SYSTEM

Figure FO-14

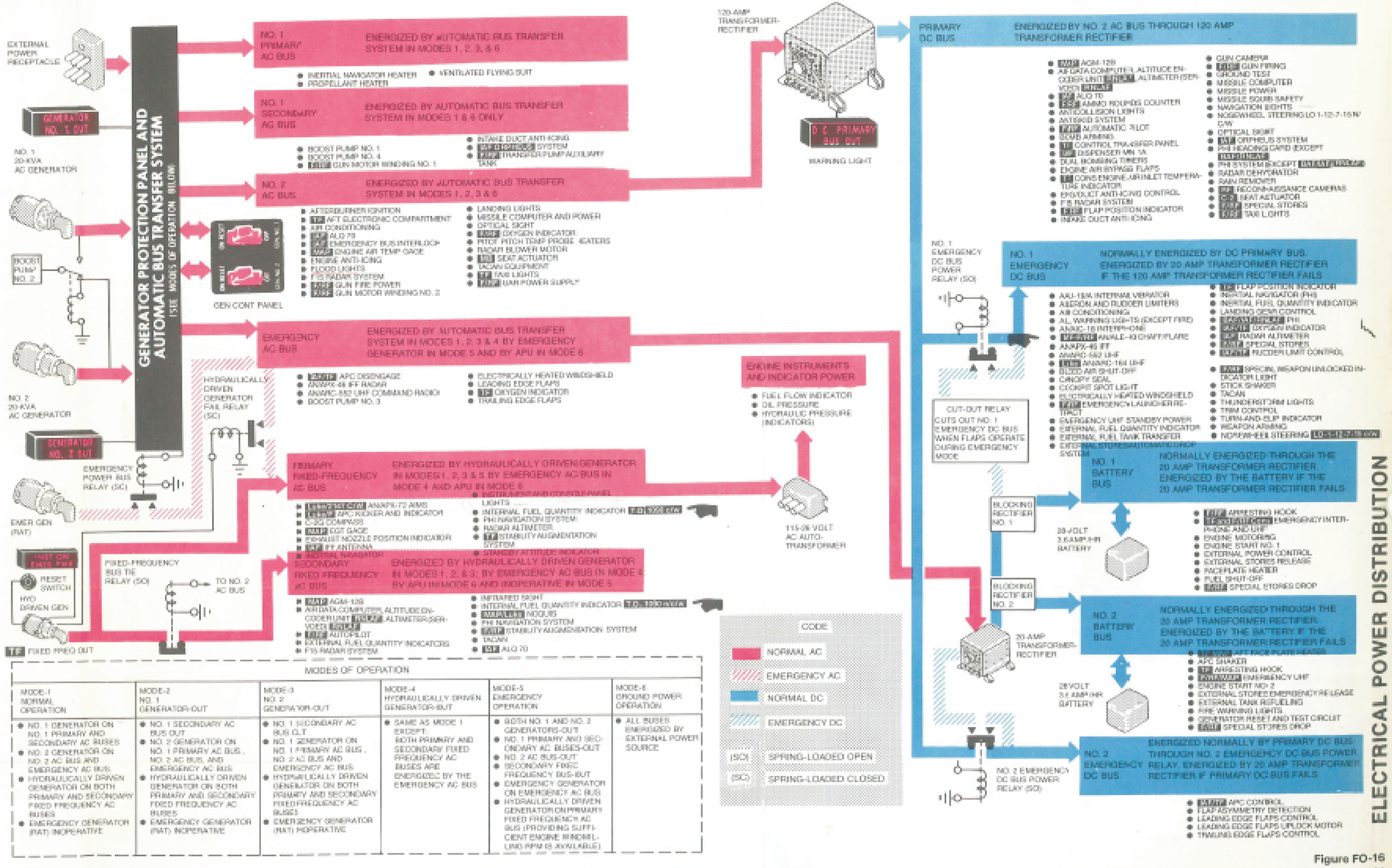
TF FUEL SUPPLY SYSTEM



TF FUEL SUPPLY SYSTEM

Figure FO-15

ELECTRICAL POWER DISTRIBUTION

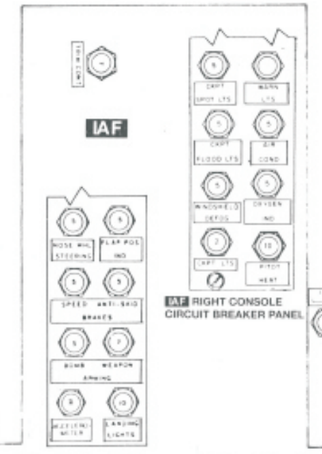


ELECTRICAL POWER DISTRIBUTION

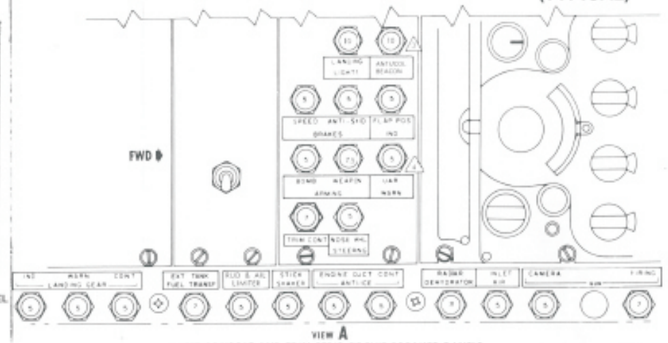
Figure FO-16

F CIRCUIT BREAKER PANELS (TYPICAL)

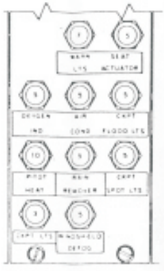
1. MAP only
2. Conns only
3. 3F only
4. If installed
5. MTU ENG OIL LEVEL
6. G&F ALT REPORTING SYS AC
7. G&F only
8. IAF ALQ-70 DC PWR
9. IAF FATIGUE METER
10. IAF only
11. IAF RADAR ALTM DC
12. IAF FIXED FREQ-DR NAV-ALQ 70



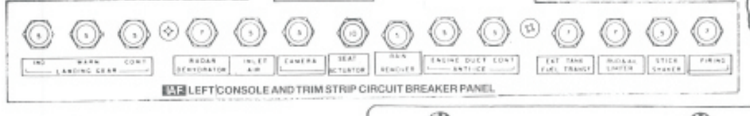
IAF RIGHT CONSOLE CIRCUIT BREAKER PANEL



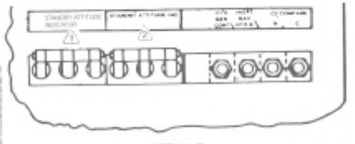
VIEW A
LEFT CONSOLE AND TRIM STRIP CIRCUIT BREAKER PANELS



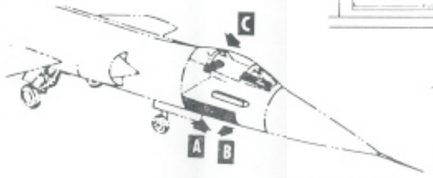
CIRCUIT BREAKERS RIGHT CONSOLE

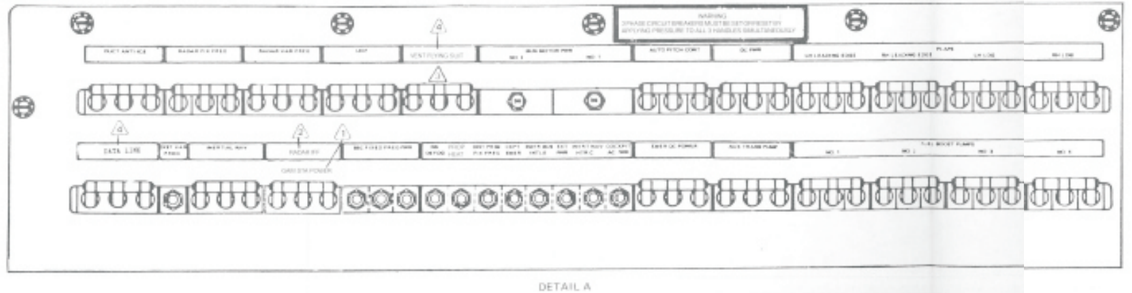


IAF LEFT CONSOLE AND TRIM STRIP CIRCUIT BREAKER PANEL



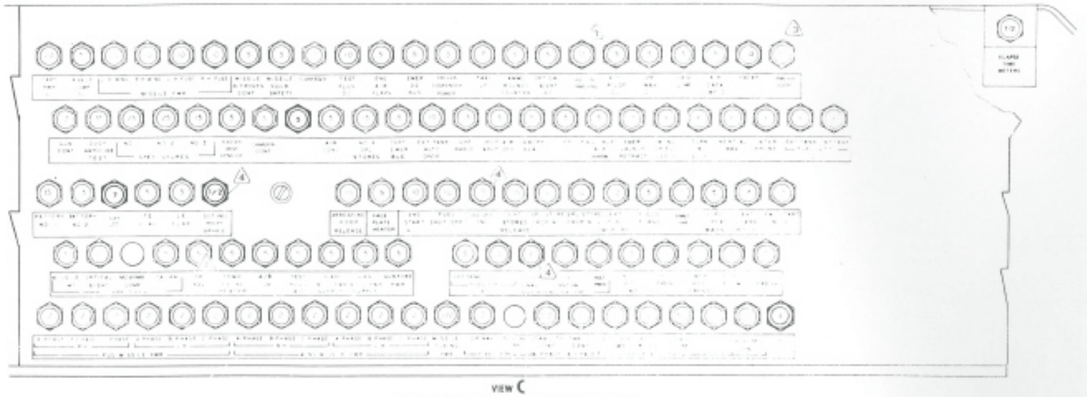
DETAIL B





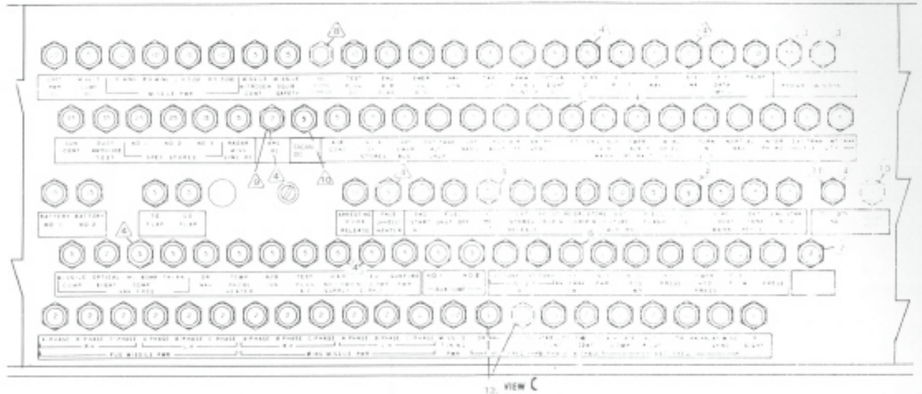
DETAIL A

CIRCUIT BREAKERS ELECTRICAL LOAD CENTER



VIEW C

MAP JUNCTION BOX CIRCUIT BREAKER PANEL

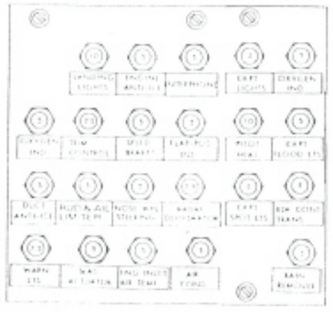


VIEW C

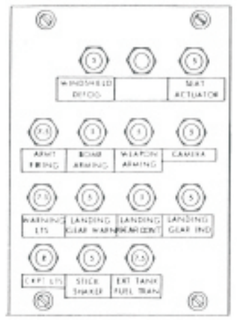
Conns JUNCTION BOX CIRCUIT BREAKER PANEL

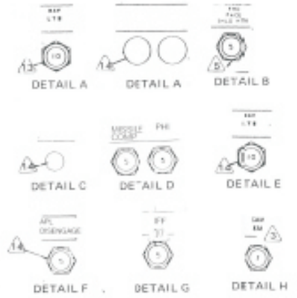
Figure FO-17

TF CIRCUIT BREAKER PANELS (TYPICAL)

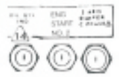


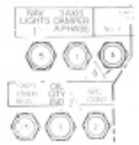








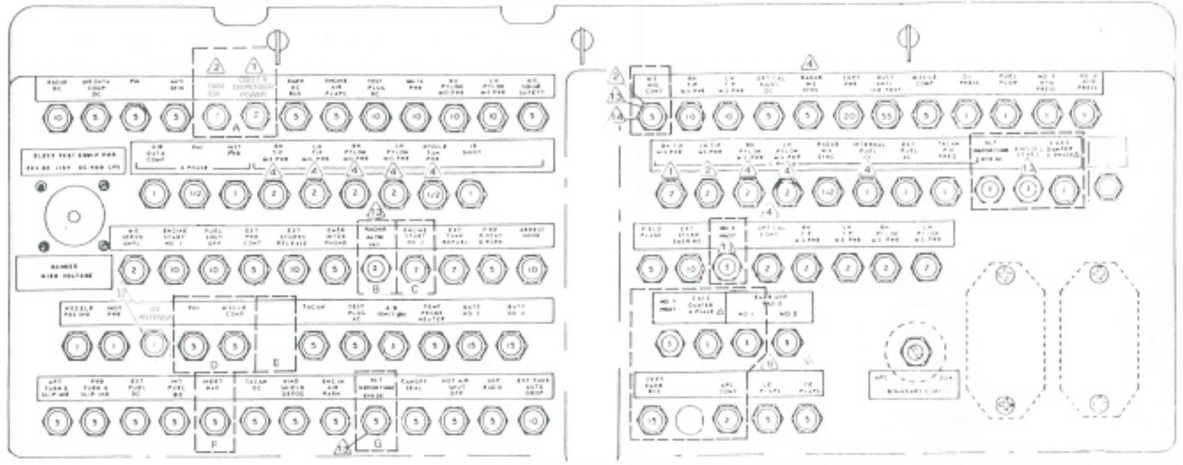


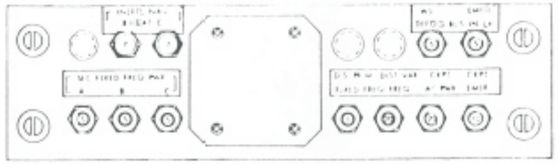


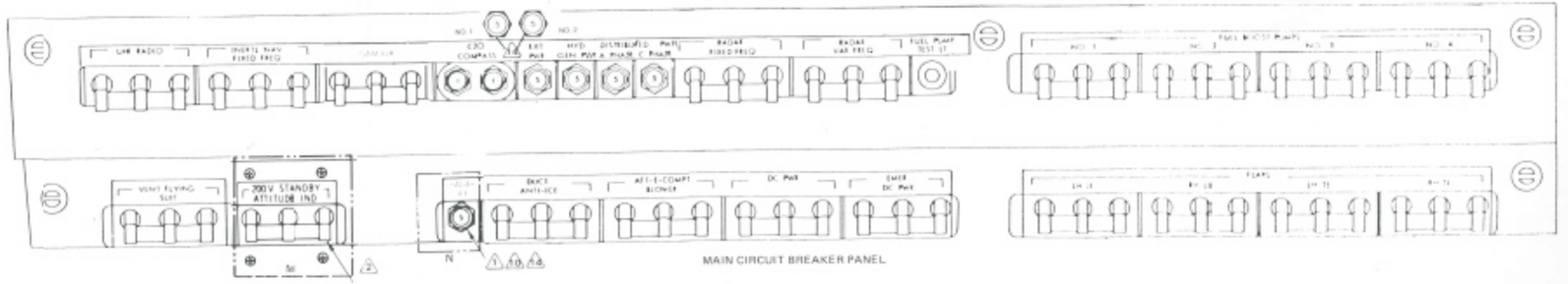




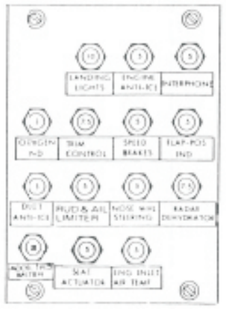


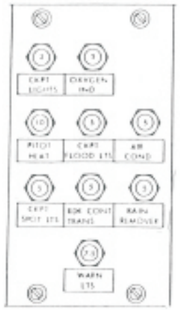


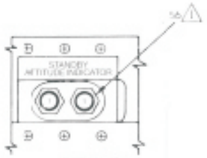


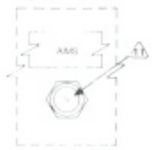


REAR COCKPIT EXCEPT MAF







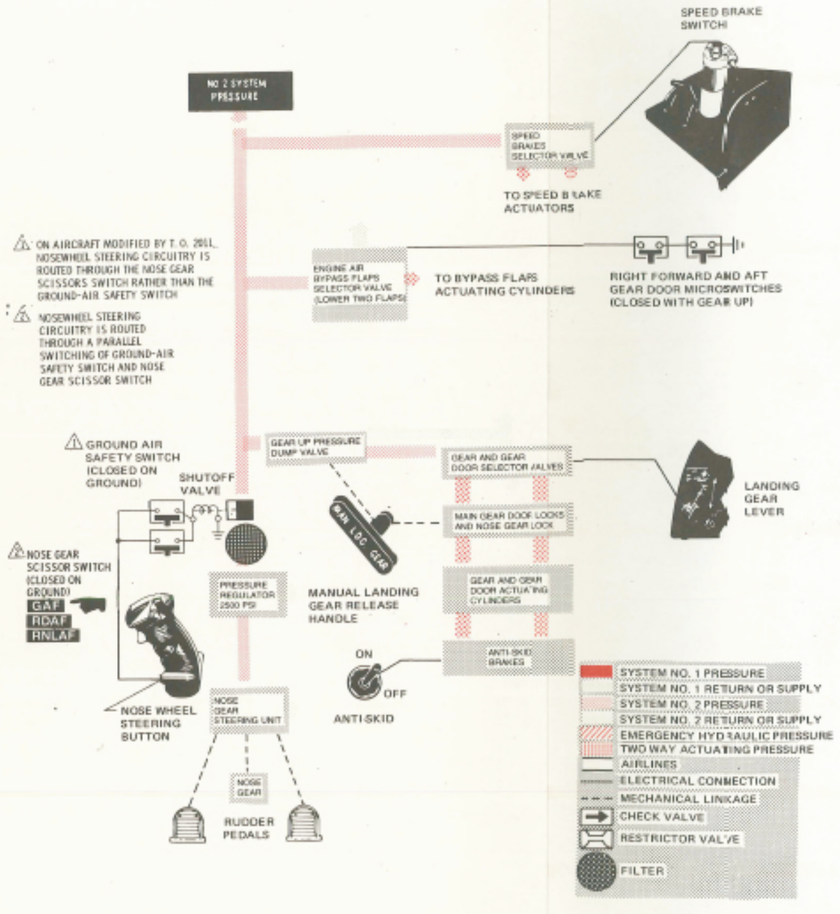


NOTE

1. MAP ALL AIRPLANES
2. MAP USAF SERIAL NO. 61-3025 THROUGH 61-3038
3. MAP USAF SERIAL NO. 62-12262 AND SUBSEQUENT
4. MAP NOT INSTALLED ON USAF SERIAL NO. 62-12262 AND SUBSEQUENT
5. Cons ALL AIRPLANES
6. Cons ALL AIRPLANES EXCEPT USAF SERIAL NO. 64-15104 THROUGH 64-15106
7. Cons USAF SERIAL NO. 64-15104 THROUGH 64-15106 ONLY
8. Cons AIRPLANES NOT MODIFIED BY T.O. 1F-104-2037
9. Cons AIRPLANES MODIFIED OR MANUFACTURED IN ACCORDANCE WITH T.O. 1F-104-916
10. Cons AIRPLANES NOT MODIFIED BY T.O. 1F-104-2147
11. Cons AIRPLANES MODIFIED BY T.O. 1F-104-2147
12. Cons REMOVED ON AIRPLANES MODIFIED BY T.O. 1F-104-2147
13. GAF AIRPLANES
14. MAF AIRPLANES

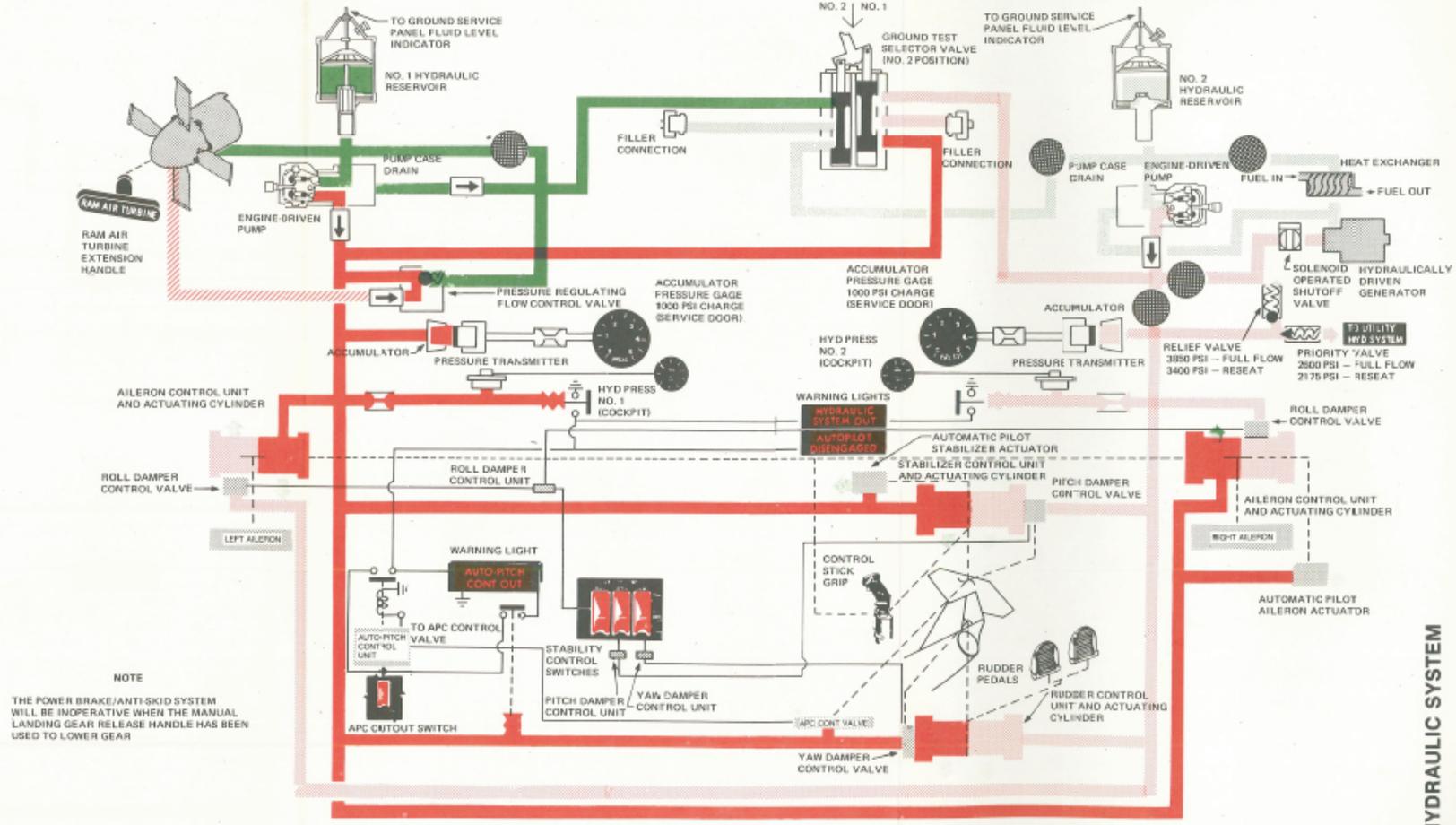
Figure FO-18

UTILITY HYDRAULIC SYSTEM



HYDRAULIC SYSTEM NO. 1

HYDRAULIC SYSTEM NO. 2



NOTE

THE POWER BRAKE/ANTI-SKID SYSTEM WILL BE INOPERATIVE WHEN THE MANUAL LANDING GEAR RELEASE HANDLE HAS BEEN USED TO LOWER GEAR

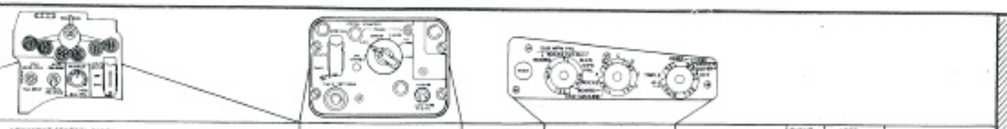
HYDRAULIC SYSTEM

Figure FO-19

ARMAMENT SELECTOR CHART I

WARNING

With the sub weapon panel installed the switch set ups have to be strictly adhered to or inadvertend store releases via the trigger or rocket firing via the bomb button may occur.



LOCATION	ARMAMENT CONTROL PANEL													SPL WPNS PNL			RIGHT CONSOLE			RIGHT CONSOLE	LEFT CONSOLE	CONTROL STICK GRIP	
CONTROL																							
NAME	L/R TIP SELECT BUTTON	L/R PYLON SELECT BUTTON	L/R TIP SELECT BUTTON	INT'LIS WHEELS BUTTON	INT'LIS WHEELS BUTTON	R/H TIP SELECT BUTTON	BOMB ARMING SWITCH	MISSILE SIGNAL VOL CONT	MASTER ARMING SWITCH	ARMAMENT MODE SELECTOR SWITCH		LOOP LOCK SWITCH	EXTERNAL STORES ROTARY SELECTOR SWITCH	PUSHING SWITCH	SEE APPROPRIATE PANEL	WEAPON SELECTOR SWITCH	TONE SELECTOR SWITCH	MODE SELECTOR SWITCH	DUAL TIMER	PYLON JETTISON SWITCH	RIGHT SELECT SWITCH	TRIGGER SWITCH	NOSE BUTTON
PURPOSE	L/R tip bomb select	L/R pylon bomb select	L/R fuz missile select	Int'l fuz missile select	Int'l pylon bomb select	R/H tip bomb select	Control missile sig volume	Selects forward-firing weapons and camera	Selects forward-firing weapons	Special stores programming		Safe-arm release mission arming switch	Selects special and inert rel stores	Allows inert rel store firing	Special stores programming	Selects operating mode	Selects tone interval	Selects release mode	Controls release of bombs during auto release	Jettison pylon	Selects firing mode	Fires forward firing weapons	Closes external stores
FORWARD FIRING WEAPONS																							
ROCKETS FROM OUTBOARD STATIONS OF TWIN STORE CARRIERS		Press to select			Press to select		SAFE [1]	MANUAL		ARMT & CAMERA	ROCKET	SAFE	SAFE [6]			ROCKET CBU	A	TWIN CARRIER OUTER		[7]	MANUAL	Squeeze [8]	
ROCKETS FROM INBOARD STATIONS OF TWIN STORE CARRIERS		Press to select			Press to select		SAFE [1]	MANUAL		ARMT & CAMERA	ROCKET	SAFE	SAFE [6]			ROCKET CBU	A	TWIN CARRIER INNER		[7]	MANUAL	Squeeze [8]	
ROCKETS FROM ALL STATIONS OF TWIN STORE CARRIERS		Press to select			Press to select		SAFE [1]	MANUAL		ARMT & CAMERA	ROCKET	SAFE	SAFE [6]			ROCKET CBU	A	ALL		[7]	MANUAL	Squeeze [8]	
ROCKETS FROM PYLON STATIONS RELEASE THROUGH MAIN WEAPON PANEL [3]		Press to select			Press to select		SAFE	MANUAL		ARMT & CAMERA	ROCKET	SAFE	SAFE [6]			MAIN WPN PNL [9]	A	OFF [9]		[7]	MANUAL	Squeeze [8]	
GUN										ARMT & CAMERA	GUN											Squeeze	
SIDEWINDER MISSILES	Press to select		Press to select	Press to select		Press to select			Adjusted	ARMT & CAMERA	MISSILE											Squeeze [10]	
EXTERNAL STORES RELEASE																							
CONVENTIONAL BOMBS FROM OUTBOARD STATIONS OF TWIN STORE CARRIERS [4]		Press to select [1]			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	SAFE	PYLON BOMBS			BOMBS	As required	TWIN CARRIER OUTER	As required	[7]			Press to release [8]
CONVENTIONAL BOMBS FROM INBOARD STATIONS OF TWIN STORE CARRIERS [4]		Press to select [1]			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	SAFE	PYLON BOMBS			BOMBS	As required	TWIN CARRIER INNER	As required	[7]			Press to release [8]
CONVENTIONAL BOMBS FROM ALL STATIONS OF TWIN STORE CARRIERS		Press to select			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	SAFE	PYLON BOMBS			BOMBS	As required	ALL	As required	[7]			Press to release [8]
CONVENTIONAL BOMBS FROM CL RACK RELEASE THROUGH MAIN WEAPON PANEL							NOSE & TAIL	As required		OFF	ROCKET OR GUN	RESCH	SPL STORES			MAIN WPN PNL [9]		OFF [9]	As required	[7]			Press to release
CONVENTIONAL BOMBS FROM PYLON STATIONS RELEASE THROUGH MAIN WEAPON PANEL		Press to select [1]			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	SAFE	PYLON BOMBS			MAIN WPN PNL [9]		OFF [9]	As required	[7]			Press to release
CONVENTIONAL BOMBS FROM CL RACK RELEASE THROUGH SUB WEAPON PANEL							NOSE & TAIL	As required		OFF	ROCKET OR GUN	READY	SPL STORES			BOMBS	A	CL	As required				Press to release
CONVENTIONAL BOMBS FROM PYLON STATIONS RELEASE THROUGH SUB WEAPON PANEL		Press to select			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	SAFE	PYLON BOMBS			BOMBS	As required	TWIN CARRIER OUTER	As required	[7]			Press to release [8]
CONVENTIONAL BOMBS FROM CL RACK AND PYLON STATIONS RIPPLE RELEASE THROUGH SUB WEAPON PANEL		Press to select			Press to select		NOSE & TAIL	As required		OFF	ROCKET OR GUN	READY	PYLON BOMBS			BOMBS	As required	TRIPLE	As required	[7]			Press to release [8]
ROMBLETS FROM CBU TYPE CLUSTER BOMBS FROM PYLON STATIONS RELEASE THROUGH MAIN WEAPON PANEL [5]		Press to select [1]			Press to select		SAFE	MANUAL		ARMT & CAMERA	ROCKET	SAFE	SAFE [6]			MAIN WPN PNL [9]		OFF [9]		[7]	MANUAL	Squeeze [7]	
SPECIAL STORE								AUTO or MANUAL				READY	SPL STORES	IR TONE or LIGHTING	ORDnance				As required				Press to release
PRACTICE BOMBS								AUTO or MANUAL			ROCKET OR GUN	READY	SPL STORES		OFF or set for practice release				As required				Press to release

NOTES

1. Single rocket pods may be fired or single bombs may be released, if only the corresponding pylon select button is pressed.

CAUTION

2. The bomb arming switch must be kept in the SAFE position to keep the bomb – rocket interlock relay deenergized. This prevents inadvertent jettisoning of the rocket pods.
3. Firing of pylon mounted rocket pods through the sub weapon panel is not authorized.
4. Stores from outboard stations of the twin store carriers have to be released prior to release of inboard stations.
5. CBU release through the sub weapon panel is not authorized. Dispensers must be jettisoned after CBU release prior to landing to avoid the possibility of stuck bomblets.

WARNING

6. With the sub weapon panel installed, the external stores rotary selector switch must be kept in the SAFE position or uninterntional firing of rockets or release of CBU with the bomb button may occur.
7. The pylon jettisoe switch is inoperative.
8. Trigger must be held until all rockets in the selected pods are fired. However, if single rockets are selected on the launchers, the trigger must not be held for more than 5 seconds or the interrupters will be damaged.
9. If the sub weapon panel is not installed, the necessary switching is provided by shorting plug of blind panel.
10. Bomb button must be pressed until all selected stores have released.
11. Trigger must be held at least 5 seconds to ensure that preselected tubes of CBU-2C/A clutter bombs have fired.
12. Trigger must be held one second for a missile to fire.

ARMAMENT SELECTOR CHART II JETTISONING [8]

WARNING

With the sub weapon panel installed the switch set ups have to be strictly adhered to or inadvertend store releases via the trigger or rocket firing via the bomb button may occur.



LOCATION	ARMAMENT CONTROL PANEL											SPL WPNS PNL					RIGHT CONSOLE	SUB WEAPON PANEL			LEFT FWD PANEL	RIGHT CONSOLE	CONTROL STICK GRIP
CONTROL																							
NAME	L/R TIP SELECT BUTTON	L/R PYLON SELECT BUTTON	L/R TIP SELECT BUTTON	INT'L R/H WHEELS SELECT BUTTON	R/H PYLON SELECT BUTTON	INT'L R/H TIP SELECT BUTTON	BOMB ARMING SWITCH	BOMB RELEASE SWITCH	MASTER ARMING SWITCH	LOOP LOCK SWITCH	SPL WPN EMERGENCY JETT BUTTON	EXTERNAL STORES ROTARY SELECTOR SWITCH	SELECTOR SWITCH	WEAPON SELECTOR SWITCH	TONE SELECTOR SWITCH	MODE SELECTOR SWITCH	EXTERNAL STORES JETT BUTTON	PYLON JETTISON SWITCH	JETTISON BUTTON	NOSE BUTTON		
PURPOSE	L/R tip bomb select	L/R pylon bomb select	L/R fuz missile select	Int'l fuz missile select	Int'l pylon bomb select	R/H tip bomb select	Arms selected bombs	Selects bomb release mode	Arms forward firing weapons and camera	Saf-arm release mission arming switch	Emer jett of special stores	Selects special and external stores	Special stores programming	Selects operating mode	Selects tone interval	Selects release mode	Tip pylon stores & fuz missile jett	Jettison pylons	Jettison stores	Drops external stores		
SELECTIVE JETTISONING																							
ROCKET PODS OR BOMBS FROM TWIN STORE CARRIERS		Press to select			Press to select		TAIL ONLY [2]	MANUAL	OFF			PYLON BOMBS		BOMBS	A [3]	ALL		[4]		Press to release [5]			
SINGLE ROCKET PODS OR BOMBS FROM TWIN STORE CARRIERS		As required			As required		TAIL ONLY [2]	MANUAL	OFF	SAFE		PYLON BOMBS		BOMBS	A	TWIN CARRIER INNER OR OUTER		[4]		Press to release			
STORES FROM PYLON STATION "7"		Press to select [1]			Press to select [1]		SAFE	MANUAL	OFF	SAFE				MAIN WPN PNL [9]		OFF [9]		[4]		Press to release			
TIP TANKS OR SIDEWINDERS	Press to select					Press to select						TIP STORES		MAIN WPN PNL [9]		OFF [9]				Press to jettison			
WING PYLON TANKS		Press to select			Press to select							PYLON TANKS		MAIN WPN PNL [9]		OFF [9]				Press to jettison			
EMERGENCY JETTISONING																							
CONVENTIONAL STORES FROM TWIN STORE CARRIERS OR PYLON STATIONS AND WING TIPS							[2]											[4]					
CL STORES OR CL MOUNTED SIDEWINDERS							SAFE			RELEASE	FIRES												

NOTES AND WARNINGS

1. Single rocket pods or bombs may be jettisoned, if only the corresponding pylon select button is pressed.

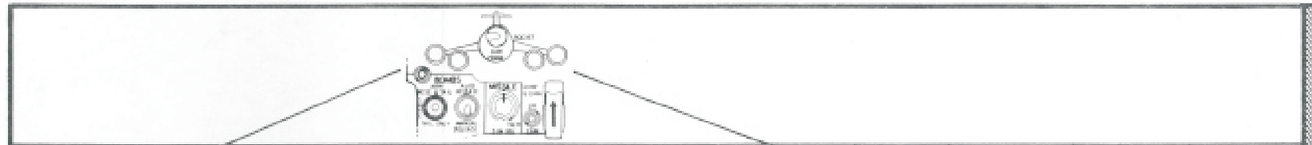
WARNING

2. • Twin store carrier mounted stores will not release with the bomb arming switch in the SAFE position.
   • Mk 82, BL 755 and LEPUS flare bombs will release armed. Minimum release altitude for safe escape has to be observed.
   • 250 kg HDGP will release unarmed if the bomb arming switch is in the TAIL ONLY position.
   • Unarmed jettisoning of Mk 82, BL 755 and LEPUS bombs is only possible together with the tip stores through the external stores jettison button, the bomb arming switch is in the SAFE position.

WARNING

3. • If the bomb arming switch is not in the SAFE position, bombs will explode on impact.
   • Minimum release altitude for SAFE ESCAPE should be considered.
4. The pylon jettison switch is inoperative.
5. If the sub weapon panel is not installed the necessary switching is provided by shorting plug of blind panel.
6. Bomb button must be pressed until all selected stores have released.
7. For BL 755 C, D, E or F. Lower time intervals may cause damage to the aircraft.
8. Empty missile launchers, TSC, pylon racks, MK-25 A/1 practice bomb carriers and SUU-21/A dispensers cannot be jettisoned.

ARMAMENT SELECTOR CHART I



LOCATION	ARMAMENT CONTROL PANEL										CONTROL TRANSFER PANEL	RIGHT CONSOLE	RIGHT CONSOLE	RIGHT CONSOLE	RIGHT CONSOLE	CONTROL STICK GRIP	
CONTROL																	
NAME	LH TIP SELECT BUTTON	CENTER SELECT BUTTON	RH PYLON SELECT BUTTON	RH TIP SELECT BUTTON	BOMB ARMING SWITCH	BOMB RELEASE SWITCH	MISSILE SIGNAL VOL CONT	MASTER ARMING SWITCH	ARMAMENT MODE SELECTOR SWITCH	EMERG. ARMAMENT CUTOUT SWITCH	STORES RELEASE SELECTOR SWITCH	SEE APPROPRIATE PANEL	DUAL TIMER	PYLON JETTISON SWITCH	ROCKET SELECT SWITCH	TRIGGER SWITCH △	BOMB BUTTON
PURPOSE	Lift top stores select	Lift pylon stores select	Selects pylon stores select	Rlft top stores select	Arms selected bombs	Selects bomb release mode	Control missile sig volume	Arms forward firing weapons and camera	Selects forward firing weapons	Prevents weapon employment	Selects external stores	Special store programming	Controls release of bombs during auto release	Jettison pylon	Selects firing mode	Fires forward firing weapons	Drops external stores
FORWARD-FIRING WEAPONS																	
ROCKETS FROM PYLON STATIONS		Press to select △	Press to select △		SAFE	MANUAL		ARMT & CAMERA	ROCKET	ON △				△	MANUAL	Squeeze △	
SIDEWINDER MISSILES	Press to select			Press to select			Adjust	ARMT & CAMERA	MISSILE	ON △						Squeeze △	
EXTERNAL STORES RELEASE																	
CONVENTIONAL BOMBS FROM PYLON STATIONS		Press to select △	Press to select △		NOSE & TAIL	As required		OFF	ROCKET GUN	ON △	PYLON BOMBS		As required	△			Press to release
BOMBLETS FROM CBU TYPE CLUSTER BOMBS FROM PYLON STATIONS		Press to select △	Press to select △		SAFE	MANUAL		ARMT & CAMERA	ROCKET	ON △				△	MANUAL	Squeeze △	
PRACTICE BOMBS			Press to select			AUTO or MANUAL			ROCKET GUN	ON △	MK 14	OFF if not for practice missiles	As required				Press to release

NOTES:

△1 Single rocket pods may be fired or single bombs may be released, if only the corresponding pylon select button is pressed.

△2 The pylon jettison switch is inoperative.

△3 Trigger must be held until all rockets in the selected pods are fired. However, if single rockets are selected on the launchers, the trigger must not be held for more than 5 seconds or the intervalometers will be damaged.

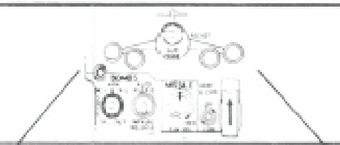
△4 Trigger must be held at least 5 seconds to ensure that preselected tubes of CBU-2C/A clutter bombs have fired.

△5 Trigger must be held one second for a missile to fire.

△6 Trigger switch is deactivated in the rear cockpit.

△7 The emergency armament cutout switch must be in the ON position for weapon employment.

ARMAMENT SELECTOR CHART II JETTISONING △4



LOCATION	ARMAMENT CONTROL PANEL							CONTROL TRANSFER PANEL	LEFT PYLON PANEL	RIGHT CONSOLE	CONTROL STICK GRIP
CONTROL											
NAME	LH TIP SELECT BUTTON	LH PYLON SELECT BUTTON	RH PYLON SELECT BUTTON	RH TIP SELECT BUTTON	BOMB ARMING SWITCH	BOMB RELEASE SWITCH	MASTER ARMING SWITCH	STORES RELEASE SELECTOR SWITCH	EMERGENCY JETTISON BUTTON	PYLON JETTISON SWITCH	BOMB BUTTON
PURPOSE	Lift top stores select	Lift pylon stores select	Rlft pylon stores select	Rlft top stores select	Arms selected bombs	Selects bomb release mode	Arms forward firing weapons and camera	Selects external stores	Jettisons all stores	Jettison pylon	Drops external stores
SELECTIVE JETTISONING											
STORES FROM PYLON STATIONS		Press to select △	Press to select △		SAFE	MANUAL	OFF	PYLON BOMBS		△	Press to release
TIP TANKS OR SIDEWINDERS	Press to select			Press to select				TIP STORES			Press to jettison
WING PYLON TANKS		Press to select	Press to select					PYLON TANKS			Press to jettison
EMERGENCY JETTISONING											
CONVENTIONAL STORES FROM PYLON STATIONS AND WING TIPS					△				PRESS	△	

NOTES AND WARNINGS

△1 Single rocket pods or bombs may be jettisoned, if only the corresponding pylon select button is pressed.

WARNING

△2
- If the bomb arming switch is not in the SAFE position, bombs will explode on impact.
- Minimum release altitude for SAFE ESCAPE should be considered.

△3 The pylon jettison switch is inoperative.

△4 Empty missile launchers, pylon racks, MK-25 A/1 practice bomb carriers and SUU-21/A dispensers cannot be jettisoned.

Figure FO-21