

MiG-21MF

Panel description



Front Panel

1. G-meter
2. High angle of attack warning light
3. Angle of attack indicator
4. HUD
5. SPRD-99 Launch Button
6. Cone extend indicator
7. Range indicator (working with VOR frequency)
8. ARU-3V ARM indicator
9. Transponder: SOD circuit
10. Transponder: waves switch
11. Transponder: recognition
12. Transponder: activity switch
13. Transponder: respond signal
14. Emergency pitot tube
15. NDB frequencies set before Take Off
16. Dangerous Altitude
17. Speed-meter (km/h)
18. Barometric altimeter
19. radio altimeter
20. Parking Brakes
21. ADI
22. HSI
23. HSI hdg rail set
24. "Lazur" system indicator
25. "SORC" signal
26. Variometer
27. Mach-meter
28. Clock
29. Radar
30. Warning Lights (described below)
31. Oil Pressure
32. Oil Pressure warning light
33. Dual Hydraulic Pressure
34. Fuel
35. Tachometer
36. Exhaust gases temperature

Warning lights on front panel. Numbers are assigned from left. So first column is from 1 to 4 second from 5 to 9 third from 10 to 14 and last one from 15 to 18.

Control surfaces

1. Marker
2. Cone released
3. Stabilizer set for take off/landing
4. Elevator Trim set to neutral

Engine

5. Engine Off
6. Afterburner
7. Generator DC OFF
8. Fire
9. Low Hydraulic Pressure in booster system
10. No Fuel Pressure (fuel less than 1%)
11. Second stage of afterburner
12. Generator AC OFF
13. Anti-fire slots - opened with Speed of Mach $>1.5M$
14. Low Hydraulic Pressure in main system

Fuel

15. External tank used (amount of fuel under 85%)
16. First Group of tanks usage (amount of fuel under 25%)
17. 450l fuel left (amount of fuel under 15%)
18. Third Group of tanks usage (amount of fuel under 8%)



1. Engine gauge
2. Engine ground ignition
3. Cold start-up
4. Opened canopy light
5. Cutting off the parachute after releasing it
6. Cabin heat switch
7. Emergency jet switch
8. Cone control switch
9. Door switch
10. Flaps buttons (From the throttle: Retracted, Take Off, Landing)
11. Boundary blowing layer - SPS
12. CD protection system
13. ARU 3V Control switch
14. ARU 3V setting Auto/Manual
15. Engine shutdown lever
16. Throttle lever
17. Starting units
18. Starting engine: Air/Ground
19. Dump of the SPRD-99 engines
20. aileron boost
21. Oxygen Pressure
22. Oxygen indicator
23. parachute release
24. Plane configuration lights (flaps, speed-brakes, landing gear)
25. Lights (off/Landing/Taxi)
26. Canopy lock
27. Cabin encapsulation
28. Gear Lever



1. Pre set NDB frequency
2. ARK-10 mode switch
3. Weapon panel/NDB setting (working only on the ground)
4. NDB frequency choice
5. NAV radio
6. COM radio
7. Cone
8. Filling station
9. Trims
10. Radio
11. ARK
12. Radio Altimeter
13. Lazur
14. AGD
15. KSI
16. Autopilot
17. Air weapons systems
18. Ground weapons systems
19. Weapon - slots 1-2
20. Weapon - slots 3-4
21. Nav lights
22. SARPP
23. SPRD-99 activated
24. Gun aimer
25. HUD
26. HUD setting
27. ---
28. Third Group Fuel Pump
29. First Group Fuel Pump
30. External Tank Fuel Pump
31. AGD
32. DA-200
33. Battery
34. DC Generator
35. SPRD-99 Main Switch
36. SPRD-99 activation switch
37. AC Generator
38. Dual Air Pressure system



1. Volt-meter
2. Dangerous height switch
3. Pitot tubes
4. Warning lights (not operating)
5. Differential pressure indicator
6. Computer amperhours recharged
7. Atm. pressure
8. Brakes Pressures
9. Eject lever