# MIKOYAN/ G-21Fs **GUREVICH**

1/72 Scale Series Kit No. JS-012





#### HISTORY

## Commented by: T. Nozawa

The design of the Mig-21 fighter aircraft was begun in 1953, under Colonel-General Artem I. Mikoyan, the head of the Soviet design bureau. This shortrange delta-wing fighter was first seen in the Soviet Aviation Day display at Tushino airport, Moscow, in June. 1956. The name "Fishbed" was used by NATO as the identification. The A model, with a delta wing: B model, with the wing tip slightly cut off: C model, a clear-weather fighter: D model. allweather fighter with an enlarged mach cone on the nose; F model. a remodeled D model: G model, which became the VTOL, and the 2-seater "Mongol" trainer were produced in large numbers. There are several versions of the E model. which has a special design for performance testing. The first 2 - seater production model, Fishbed C, was high-speed jet fighter in the Mach 2 class. similar to the Lockheed F-104 and was assigned to the front line in 1959.

Fishbed C, with a jet engine can be outfitted with a rocket booster under the fuselage. This accelerates the take-off and the rate of climbing, enabling it to reach a high altitude. The climbing speed is about 150 m per second and it can climb to the height of Mt. Fuji in about 25 seconds. The maximum speed at 11,000 m altitude is Mach 2, which means 600 m per second.

For the armaments, it carries two 37 mm cannon, one on each side under the fuselage and an "Atol" air-to-air missile can be slung under both wings. Subsequently the cannons were removed and armed only with missiles. Mig-21s

## Completed Model

have been supplied to Czechoslovakian, Polish, Rumanian, Hungarian, Finnish. Indian, Egyptian, Syrian, Iraqi, Cuban, Indonesian, North Vietnamese, Red Chinese and North Korean air forces. It has been said that Czechoslovakia and Red China are producting these aircrafts under license. In the Middle East War air battles, the Mig became famous in its battles with the French Mirage and the U.S. Phantom II. In the Vietnam War the Mig fought against the U.S. Air Force and the Navy fighters.

## DATA

Crew

Engine

: TDR 31 Turbojet. Thrust 6.500 kg

(with afterburner 9.000 kg) 7.62 m

Wing span Overall length

: 14.32 m 4.38 m

Overall height Wing area Weight.

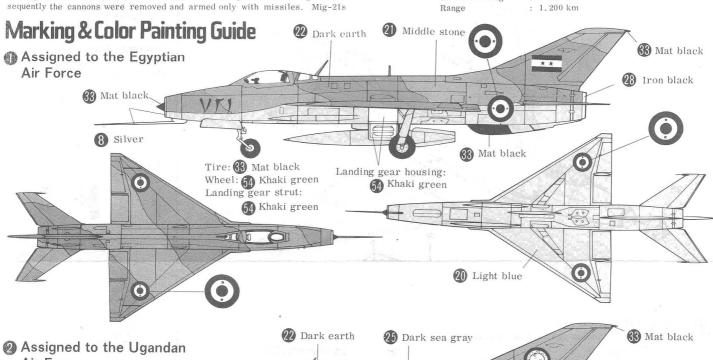
: 23.2 m<sup>2</sup> fully armed. 4.380 kg

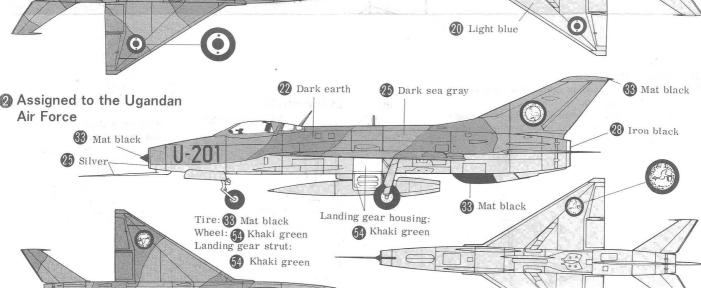
Max. speed

with extral fueltank, 8.528 kg Mach 2 (altitude of 11,000 m)

Service ceiling Range

17.600 m





fuselage and an "Atol" air-to-air missile can be slung under both wings. Sub-17.600 m Service ceiling : 1.200 km Range Marking & Color Painting Guide 21 Middle stone 33 Mat black Assigned to the Egyptian Air Force 28 Iron black Mat black. 8 Silver Mat black Tire: 33 Mat black Landing gear housing: Wheel: 64 Khaki green 64 Khaki green Landing gear strut: 54 Khaki green 20 Light blue 33 Mat black 22 Dark earth 25 Dark sea gray Assigned to the Ugandan Air Force 28 Iron black 33 Mat black 25 Silver Mat black Landing gear housing: Tire: 33 Mat black Wheel: 54 Khaki green 54 Khaki green Landing gear strut: 64 Khaki green 26 Duck egg green + a little Dark green (5+30)(3+30)The Israeli Air Force 33 Mat black Semi-gloss red Semi-gloss blue This plane took refuge in Israel from Iraq. 28 Iron black 33 Mat black 8 Silver 20 Light blue Tire: (33) Mat black Landing gear housing: Wheel: 64 Khaki green 54 Khaki green Landing gear strut: 54 Khaki green 500 Entire surface: 🚷 Silver Entire surface: 8 Silver **Painting** Decals

Max. speed

Mach 2 (altitude of 11,000 m)

To camouflage the aircraft, first apply the base coat and then apply the final coat. The two colors for the final coat should be of the semi-gloss.

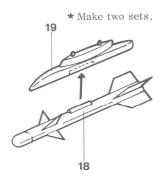
 $\ensuremath{\text{To}}$  paint the entire air frame in silver, refer to the reference pictures; emphasize the external parts in a different silver tone. On the Israeli planes, before applying silver, apply the semi-gloss red, then semi-gloss blue and light blue. It is recommended that these colors be masked and then the silver paint applied.

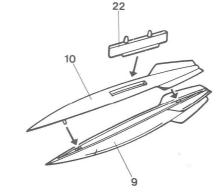
- 1. Cut out the decal and remove the film covering, then place in water for 20 seconds.
- 2. Slide off the decal from the paper and position it at the proper place.
- 3. Press the transferred decal with a soft cloth and remove the moisture.



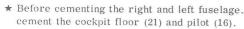
for the armaments, it carries two or mm cannon, one on each side under the

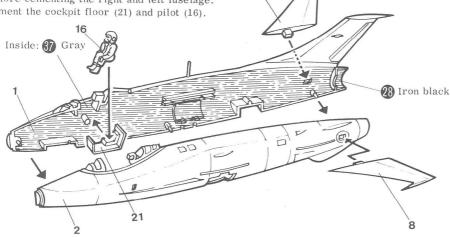
## Missile, Auxiliary Fuel Tank Assembly





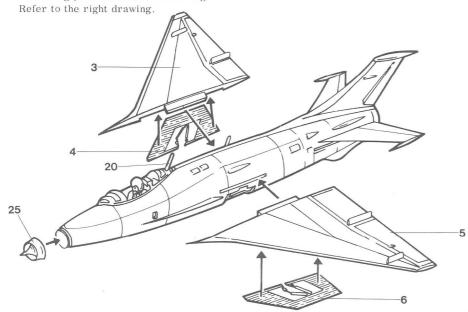
# 2 Fuselage Assembly





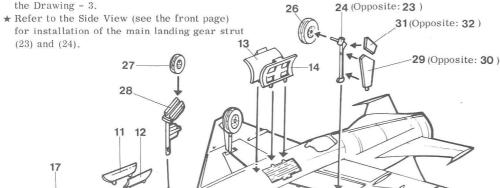
# Main Wing Installation

★Main wing possesses a cathedral angle.



## Parts Installation (1)

★ Cement the landing gear cover referring to the Drawing - 3.

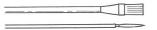


## \* Before Assembling

- First read all the instructions and follow them when working on the model.
- Cut off the parts from the stem with a nipper or cutter. First readall the introductions

#### \* Model Colors

To beautify your model paint each parts. The model colors are numbered from ① - ② . Use wide brush to paint the wide area and the pointed one for tiny parts.



\*After the parts are taken out, cut the bag in pieces to prevent the infant from covering it's head.

## Drawing-1

Paint the pilot before cementing it

Use the light and dark gray when painting the cockpit.

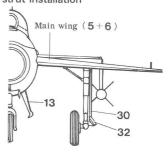


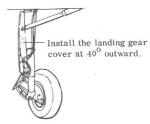
Reference Drawing-2 Cockpit floor & pilot installation



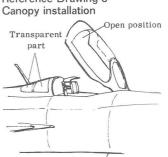
21 (Refer to this drawing.)

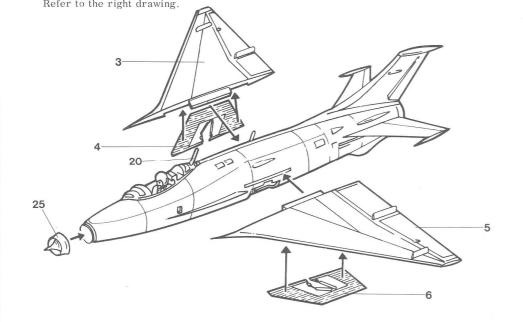
## Reference Drawing-3 Main wing, landing gear strut installation





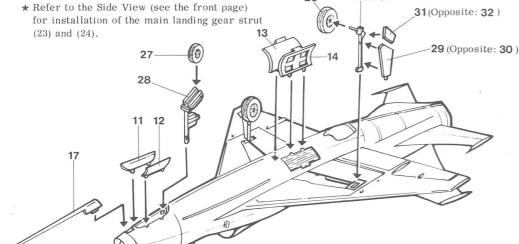
# Reference Drawing-5





## Parts Installation (1)

★ Cement the landing gear cover referring to the Drawing - 3.

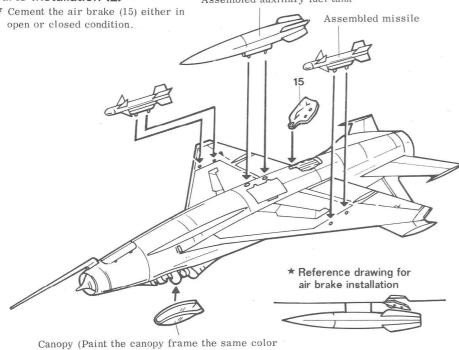




Assembled auxiliary fuel tank

26

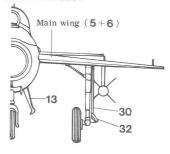
24 (Opposite: 23 )

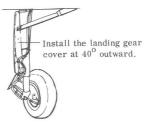




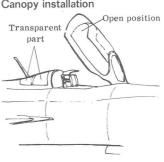
21 (Refer to this drawing.)

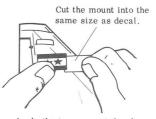
## Reference Drawing-3 Main wing, landing gear strut installation





Reference Drawing-5 Canopy installation





Apply the transparent decal after cutting it off.

### Parts Number & Name

- Fuselage, right
  Fuselage, left
- 3. Main wing top, right
- 4. Main wing bottom, right
- 5. Main wing top, left
- 6. Main wing bottom, left
- 7-8. Tail wing
- 9-10. Auxiliary fuel tank
- 11-12. Front landing gear cover
- 13-14. Main landing gear cover (A) 15. Air brake
- 16. Pilot
- 17. Pitot tube
- 18. Missile
- 19. Missile mount
- 20. Antenna
- 21. Cockpit floor 22. Pylon
- 23-24. Main landing gear
- 25. Mach cone
- 26. Main wheel
- 27. Front wheel
- 28. Front landing gear strut
- 29-30. Main landing gear cover (B)31-32. Main landing gear cover (C)

as the fuselage)

