F-102A DELTA DAGGER

047

MINICRAFT Hasegawa

1/72 SCALE

MINICRAFT MODELS, INC. 1510 W. 228TH STREET TORRANCE, CALIFORNIA 90501

The first operational delta-winged airplane was Convair's F-102A Delta Dagger. The delta, or triangular-shaped wing offers many advantages to the supersonic airplane. Among them is good supersonic performance combined with good low-speed handling qualities.

The F-102A is armed with two versions of the Hughes Falcon missile. Three each of the radar-guided GAR-1's and heat seeking GAR-2's are carried in the fuselage weapons bay. When originally built, the hollow weapons bay doors of the F-102A carried an additional twenty-four 2.75 inch rockets. These were later removed, leaving only the Falcon missiles.

The fuselage of the F-102A is area-ruled giving it a distinctive coke-bottle shape to guide the supersonic air past the airplane with the lowest possible drag. The use of the delta wing eliminates the conventional horizontal stabilizer. All elevator and wing controls are attached to the training edge of the triangular wing.

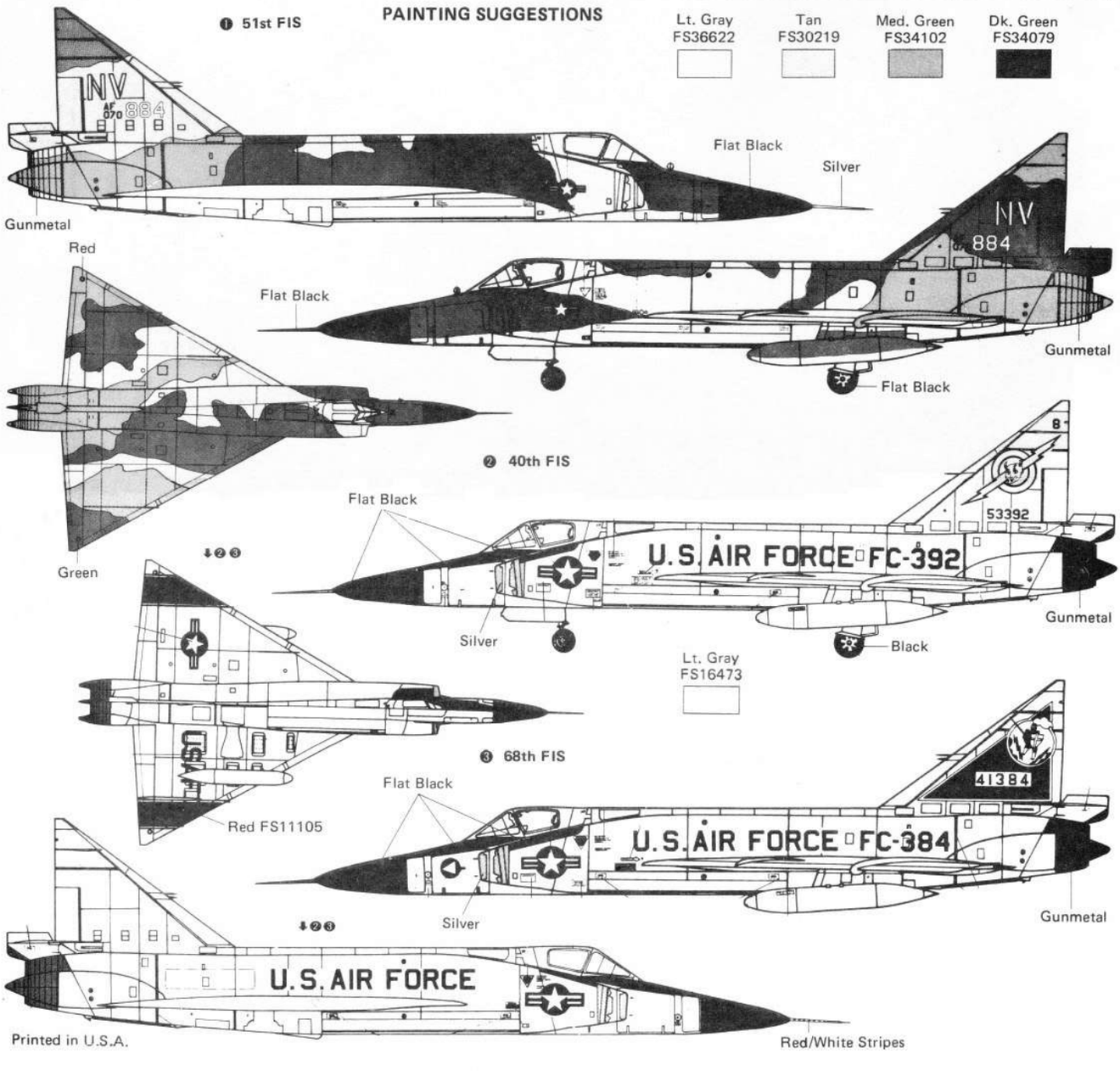
By 1972, most F-102A's had been phased out of the U.S. Air Force, but the Delta Dagger is still active with the Greek and Turkish Air Forces. Some of the delta-winged fighters were converted to aerial targets and designated QF-102A.

CHARACTERISTICS

Dimensions: Wingspan – 38 feet, 1 inch. Length – 68 feet, 4 inches.
Powerplant: One Pratt & Whitney J57-P-23 turbojet engine with 17,200 lbs. thrust with an afterburner.
Performance: Maximum speed – 825 mph (Mach 1.25) at 36,000 feet. Range – 1,100 miles.
Armament: Six Hughes Falcon missiles in fuselage bay.

PAINTING SUGGESTIONS

Lt. Gray FS36622 | Tan FS30219 | Med. Green FS34102 | Dk. Green FS34079



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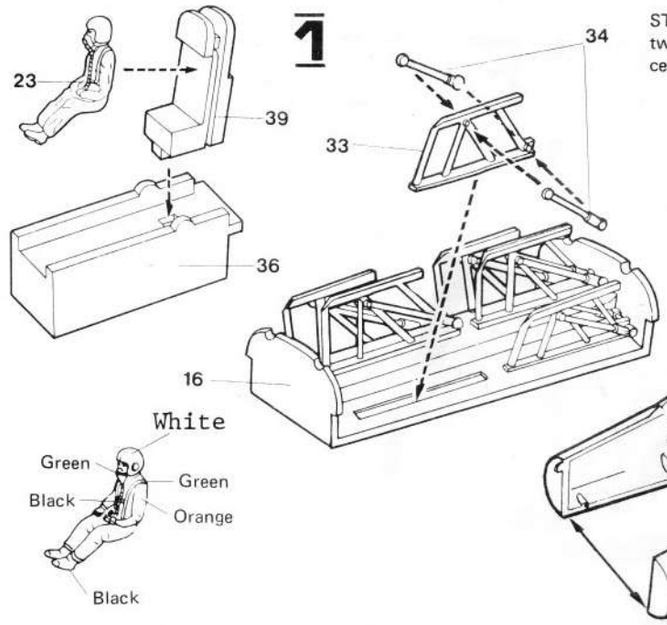
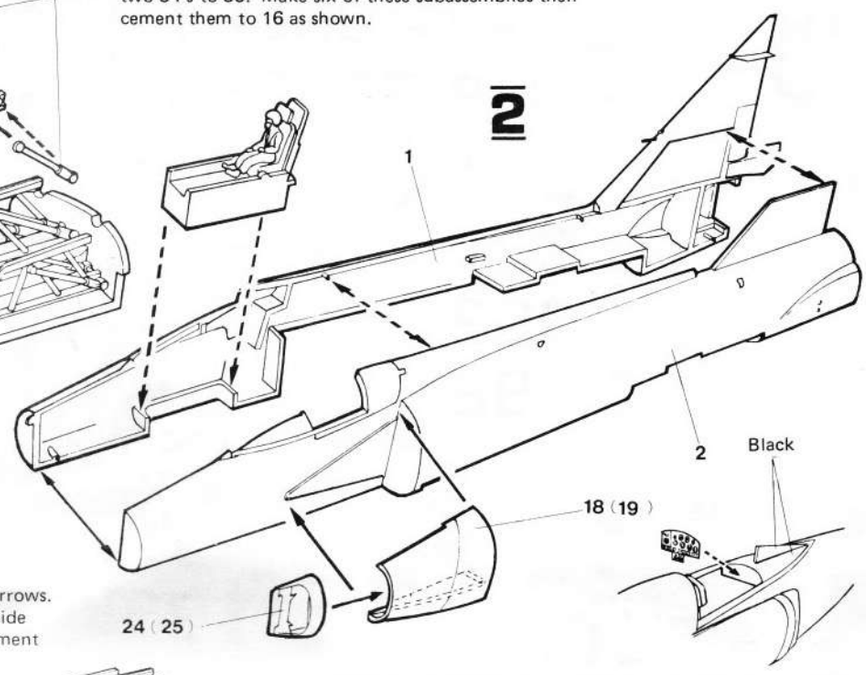
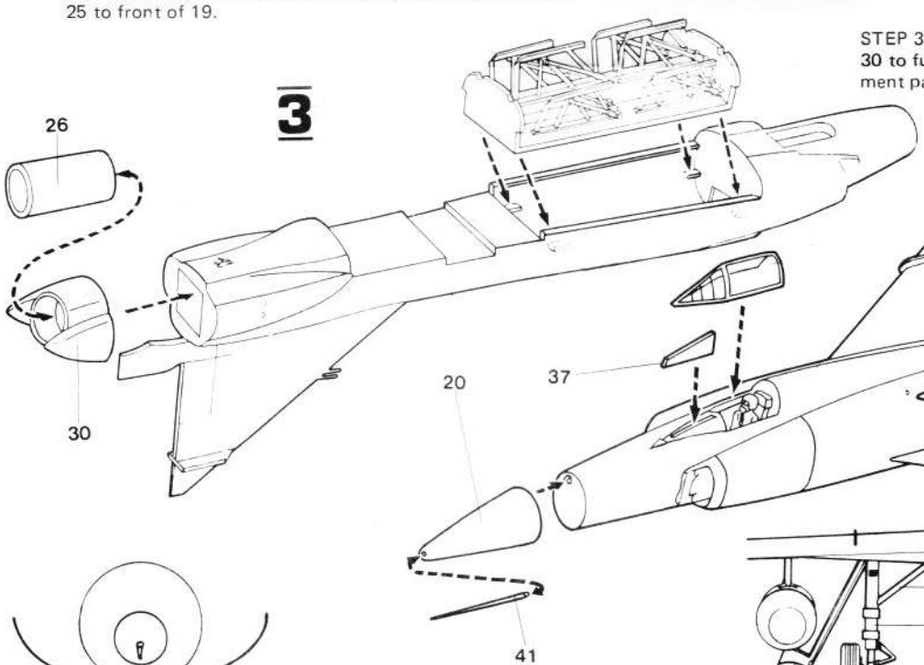


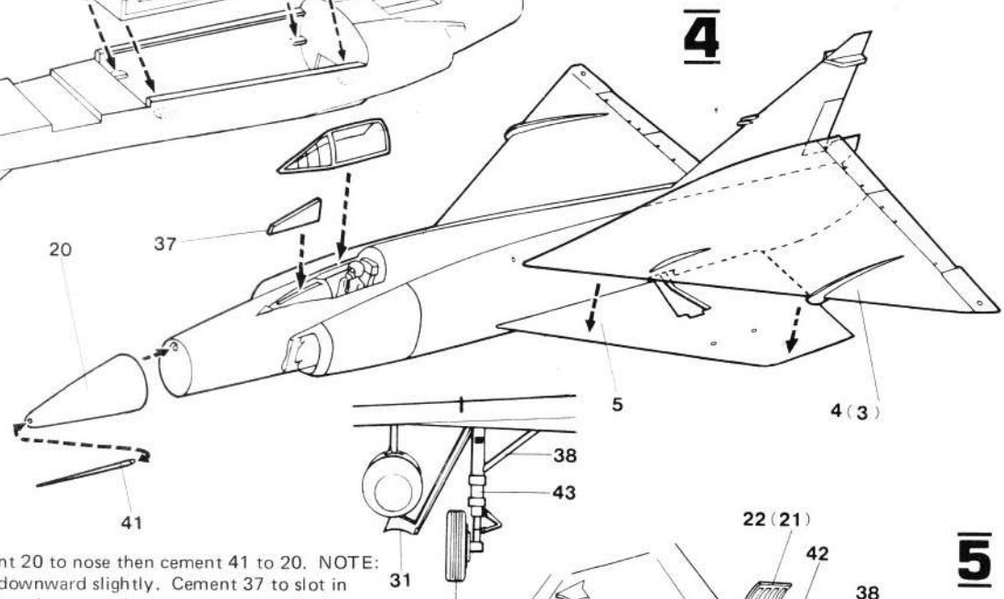
STEP 1: Cement 23 to 39 then cement 39 to 36. Cement two 34's to 33. Make six of these subassemblies then cement them to 16 as shown.

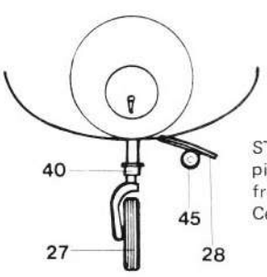


STEP 2: Cement cockpit assembly to 1 as shown by arrows. Cement 1 and 2 together. Cement 18 to left fuselage side and 19 to right side. Cement 24 to front of 18 and cement 25 to front of 19.

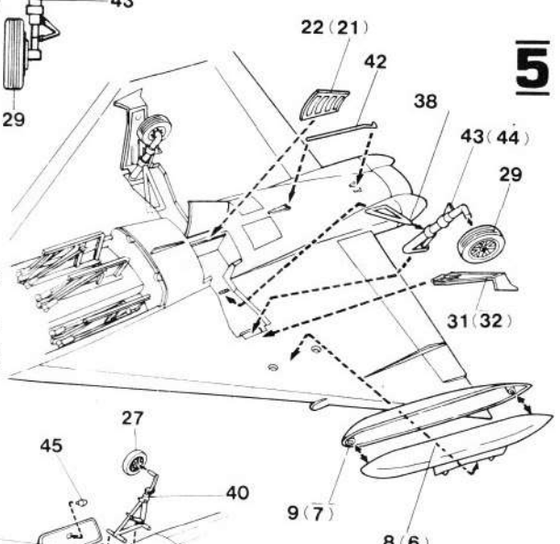
STEP 3: Cement missile bay assembly into fuselage. Cement 30 to fuselage rear then cement 26 inside 30. Cut instrument panel from decal sheet and cement to front of cockpit.

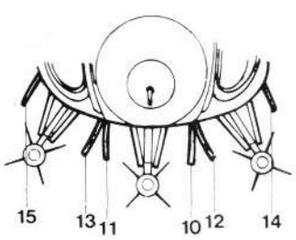




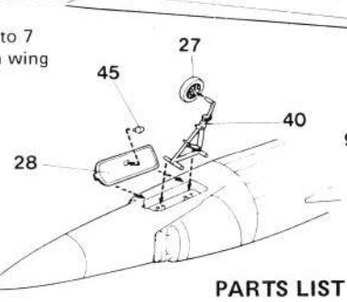


STEP 4: Cement 20 to nose then cement 41 to 20. NOTE: pitot tube tilts downward slightly. Cement 37 to slot in front of cockpit and cement clear canopy over cockpit. Cement 5 to fuselage bottom then cement 3 and 4 to 5.

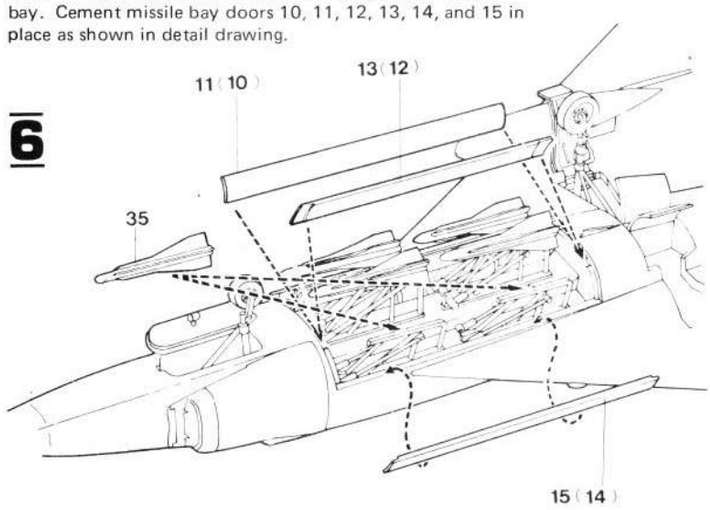




STEP 5: Cement 27 to 40 then cement 40 into nose well. Cement 45 to 28 and cement 28 to left side of nose well at angle shown in detail drawing. Cement 29 to 43 and cement 43 into right wheel well, then cement 38 to well and strut. Repeat with 44, 29, 38 for left main gear assembly. Cement 31 to outer edge of right wheel well as shown in detail drawing. Cement 32 to outer edge of left wheel well. Cement 22 to inside edge of right wheel well and 21 to left well. Cement 42 to fuselage bottom. Cement 8 to 9 and 6 to 7 for drop tanks. Cement assembled tanks to locators in wing bottom.

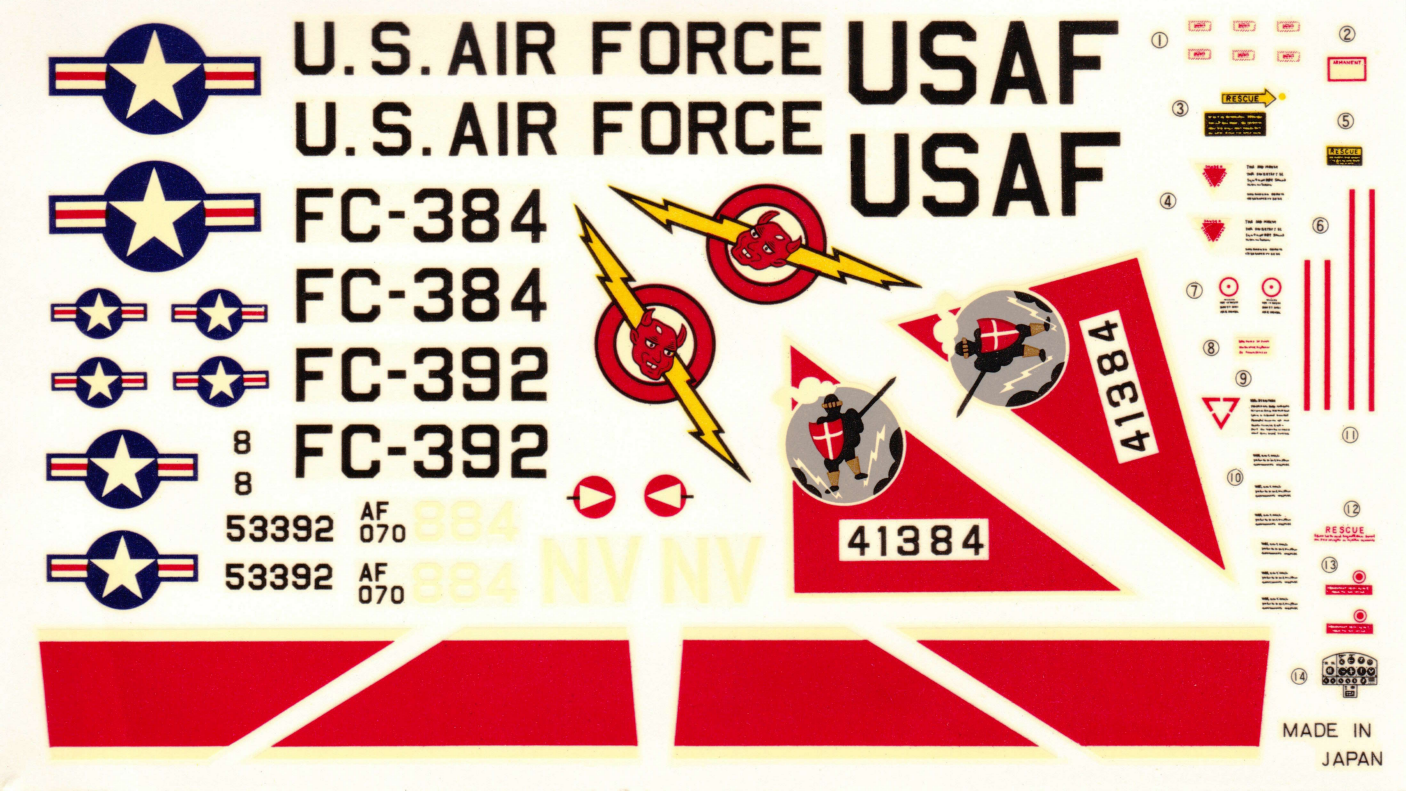


STEP 6: Cement one 35 to each launching arm in missile bay. Cement missile bay doors 10, 11, 12, 13, 14, and 15 in place as shown in detail drawing.



PARTS LIST

1. Fuselage side (R)
2. Fuselage side (L)
3. Wing top (L)
4. Wing top (R)
5. Wing bottom
6. Tank half (L)
7. Tank half (L)
8. Tank half (R)
9. Tank half (R)
10. Missile bay door (L)
11. Missile bay door (R)
12. Missile bay door (L)
13. Missile bay door (R)
14. Missile bay door (L)
15. Missile bay door (R)
16. Missile bay
17. NO PART
18. Air intake (L)
19. Air intake (R)
20. Radome
21. Gear door (R)
22. Gear door (L)
23. Pilot
24. Air inlet (L)
25. Air inlet (R)
26. Tailpipe
27. Nose wheel
28. Nose door
29. Main wheel (2)
30. Tailpipe fairing
31. Strut door (R)
32. Strut door (L)
33. Missile launcher (6)
34. Actuator (12)
35. Falcon Missiles (6)
36. Cockpit floor
37. Windscreen divider
38. Retracting arm (2)
39. Seat
40. Nose strut
41. Pitot tube
42. Arresting hook
43. Main strut (R)
44. Main strut (L)
45. Landing light
46. Clear canopy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RESCUE
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