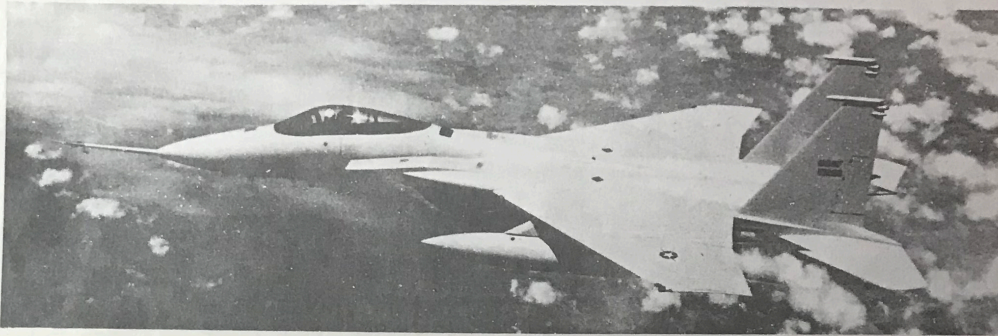


**MCDONNELL DOUGLAS**

# **F-15 EAGLE**



## **HISTORY**

"... the best airplane that has ever come along..." is the description one Air Force general has given to the F-15. Another general states that the new air superiority fighter "... is going to be the best dogfighter in the world!" The object of these praises is McDonnell Douglas' new right arm for the USAF, officially named the Eagle.

Following in the wake of the famous McDonnell Phantom II, the F-15 was designed specifically for the Air Force to counter any threat made by the latest Soviet combat planes. It is missile and cannon armed for greater versatility. The thrust from its two turbofan engines is greater than the weight of the airplane itself, which provides the F-15 with remarkable agility. Even with one engine out the Eagle has a better power-to-weight ratio than the F-105.

A special color was developed to help conceal the F-15 from visual detection. Called Air Superiority Blue, the new color fades into the distant haze to hide the Eagle in its designed environment. Even radar has a problem finding the nimble plane due to its carefully designed contours and cross-section.

The first Eagles have passed all their tests and will be joining squadrons in the USAF for their role as the first-line fighter well into the 1980's.

## **SPECIFICATIONS**

**WINGSPAN:** 42 feet 10 inches

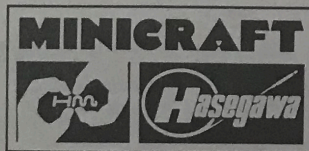
**LENGTH:** 63 feet 10 inches

**POWERPLANT:** Two Pratt & Whitney F100-PW-100 Turbofan engines rated at 23,400 lbs thrust each

**PERFORMANCE:** Mach 2.5 at 60,000 feet

**ARMAMENT:** One M61A-1 20mm rotary cannon with 1,000 rounds. Four AIM-7F Sparrows plus four AIM-9 Sidewinders

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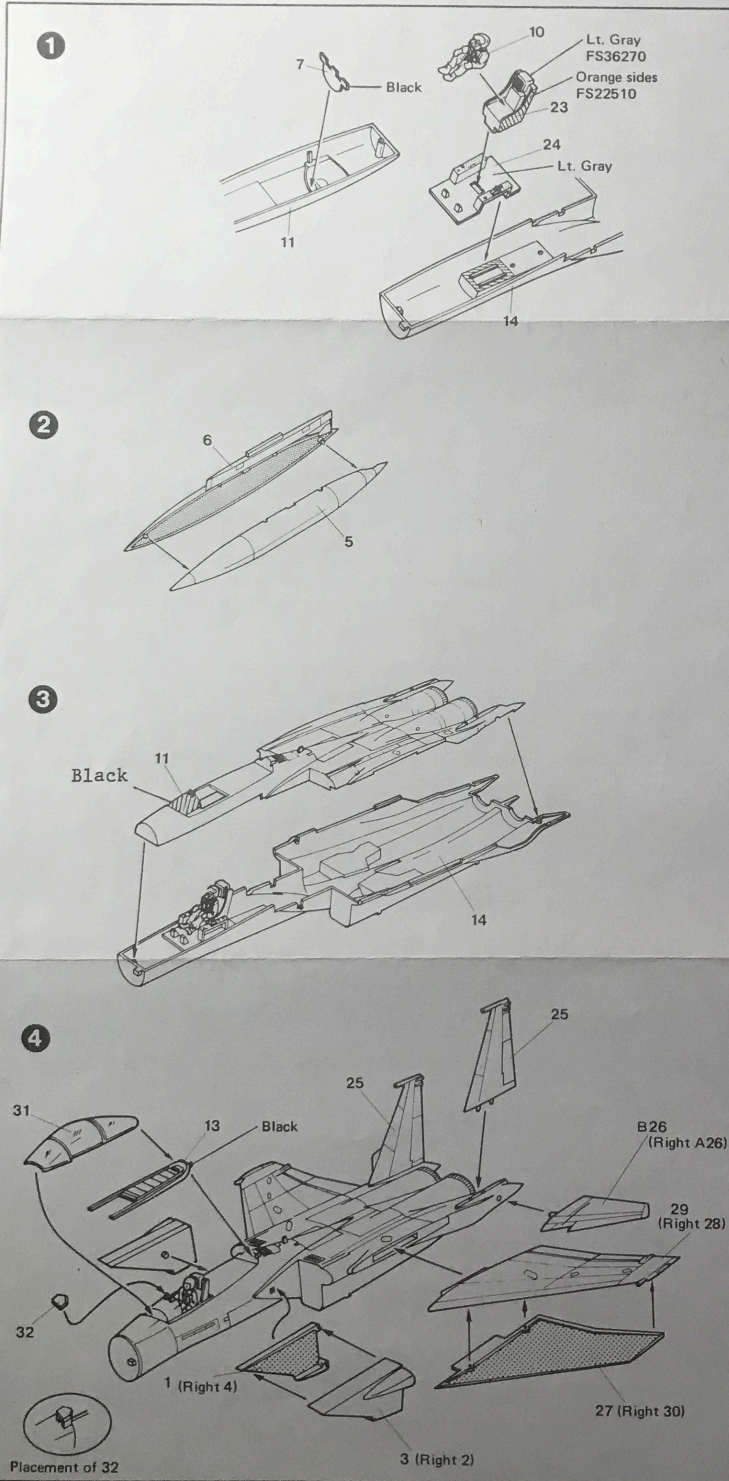
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## BEFORE ASSEMBLING YOUR KIT

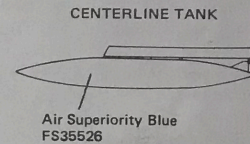
Read these instructions carefully before assembling your model and check the exact fit of the parts before cementing. Clean off excess plastic, if any, with a sharp knife or a file. Since many tiny parts are included, check them with the assembly drawing before assembling. Do not tear off parts from the stem, but cut them off carefully with a knife or clippers. Do not cut off all of the parts at the beginning, but cut each part to be assembled, one by one, to assure each part being properly identified. Do not use too much cement since surplus adhesive can spoil the finish.



Paint part 7 Black. Apply instrument panel decal to part 7 then cement 7 to 11. Cement 10 to 23 and 23 to 24. Cement 24 to 14 as shown.

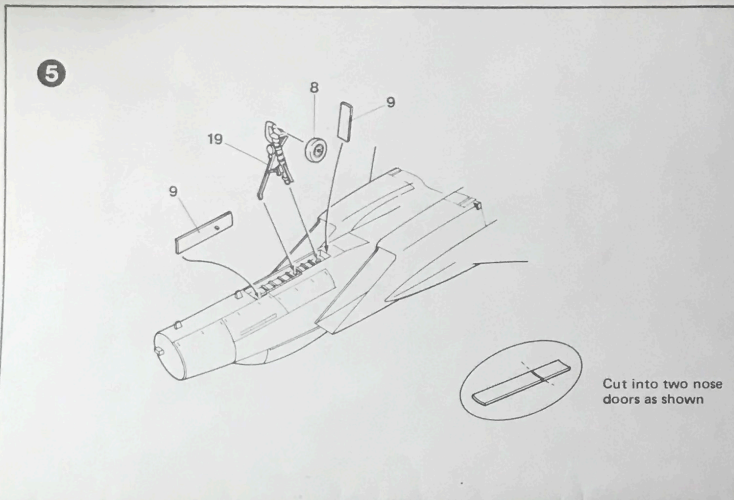


Make centerline tank by cementing 5 and 6 together.



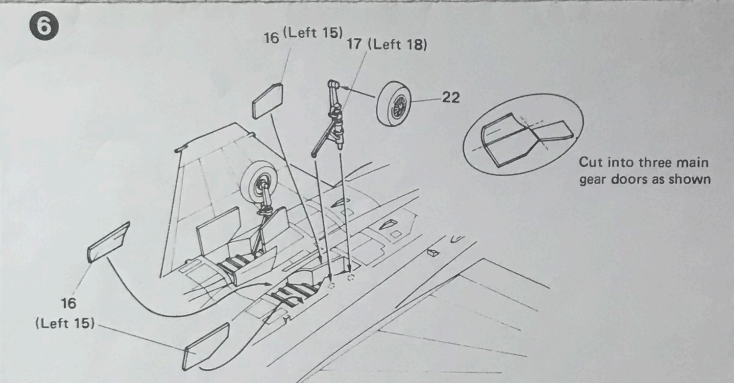
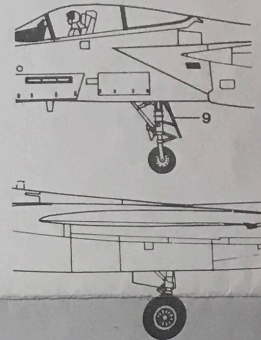
Cement 11 and 14 together as shown.

Cement 32 to ribs in cockpit as shown. Paint 13 Black as shown. Cement 31 to 13 then cement 13 to fuselage as indicated by arrows. To make left intake, cement 1 and 3 together, then cement intake to fuselage. Repeat with 2 and 4 to make right intake. Cement 27 and 29 together for left wing and cement to fuselage. Cement 28 and 30 together for right wing and cement to fuselage. Cement two 25's to fuselage. Cement A26 to right side and B26 to left side of fuselage.

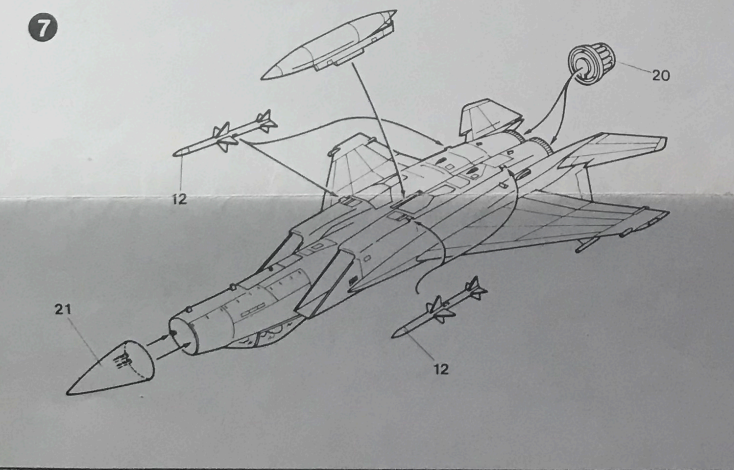


Cement 8 to 19 and cement 19 into nose wheel well. Cut apart 9 to make two nose doors and cement in place as shown. Note: The forward door is normally closed when the gear is down.

NOSE DOOR PLACEMENT

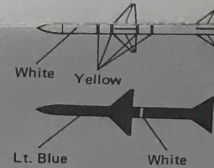


Cement 22 to 17 and cement 17 into locators in right wheel well. Cement 22 to 18 and cement 18 into left wheel well. Cut apart 16 to make three main gear doors as shown. Cement doors to fuselage in position indicated. Repeat with 15 for left doors.

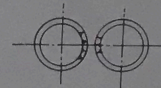


Cement two 20's in place on fuselage. Note proper alignment of grooves in detail below. Cement centerline tank to fuselage. Cement 21 to nose. Cement four 12 to fuselage sides as shown by arrows.

SPARROW MISSILE



ALIGNMENT OF AFTERBURNER BLADES



F-15 EAGLE PARTS LIST

- |                             |                          |                         |                                |
|-----------------------------|--------------------------|-------------------------|--------------------------------|
| 1. Intake inside (L)        | 9. Nose wheel door       | 17. Main gear strut (R) | 25. Vertical stabilizers (2)   |
| 2. Intake outside (R)       | 10. Pilot figure         | 18. Main gear strut (L) | A26. Horizontal stabilizer (R) |
| 3. Intake outside (L)       | 11. Fuselage top         | 19. Nose gear strut     | B26. Horizontal stabilizer (L) |
| 4. Intake inside (R)        | 12. Sparrow missiles (4) | 20. Afterburners (2)    | 27. Lower Wing (L)             |
| 5. Centerline tank half (L) | 13. Canopy support       | 21. Nose cone           | 28. Upper wing (R)             |
| 6. Centerline tank half (R) | 14. Fuselage bottom      | 22. Main wheels (2)     | 29. Upper wing (L)             |
| 7. Instrument panel         | 15. Main gear door (L)   | 23. Ejection seat       | 30. Lower wing (R)             |
| 8. Nose wheel               | 16. Main gear door (R)   | 24. Cockpit floor       | 31. Canopy                     |

