

GENERAL DYNAMICS **F-16XL FIGHTER**



F-16XL FIGHTER

The F-16XL represents an revolutionary advancement over the design of the supersonic F-16 "Fighting Falcon." Visually, the new aircraft is distinguished by a revolutionary wing design that was developed by General Dynamics engineers with the assistance of NASA aerodynamicists. This unique "Cranked Arrow" design provides improved handling characteristics throughout the flight envelope, while the increased surface area of the wing increases combat range and payload capability.

Due to the results of preliminary design work, General Dynamics decided to proceed with the de-

velopment of a full-size prototype during November of 1980, and this aircraft first rolled out in July of 1982, less than two years after work began. Although this new design was not developed specifically for an Air Force program, the military is obviously quite interested in the F-16XL.

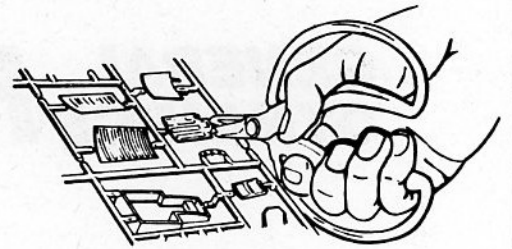
Your model portrays the prototype F-16XL. It is armed with two "Sidewinder" air-to-air missiles and six AMRAAM missiles. The actual aircraft is powered by a Pratt and Whitney F100 engine, and a 20 millimeter gun is fitted internally.

ACE
HOBBY KIT

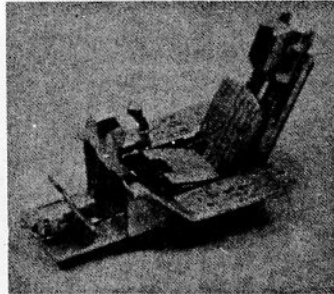
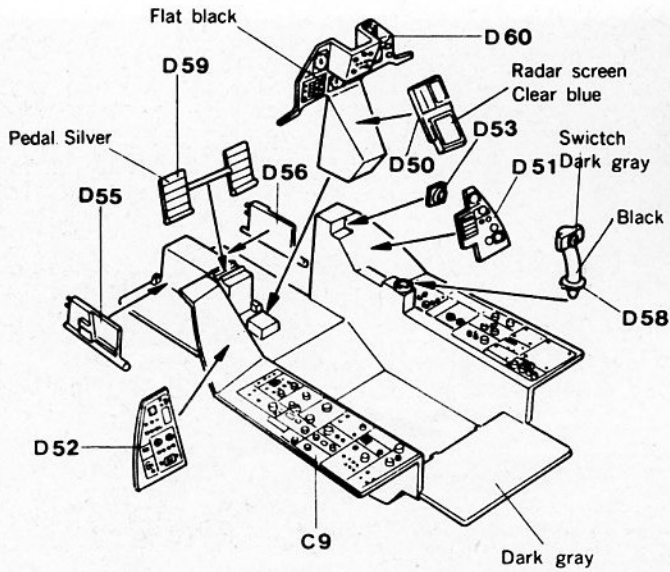
ACE PLASTIC MODEL CO.

★Before assembling

- Follow the instructions carefully.
- Cut off the parts from the stem with a nipper or cutter.
- When using adhesive, apply it to both parts to be cemented. Please take care not to apply too much adhesive.
- Pay attention to proper fitting of each parts using cello-tape before cementing the parts.



1 COCKPIT ASSEMBLY



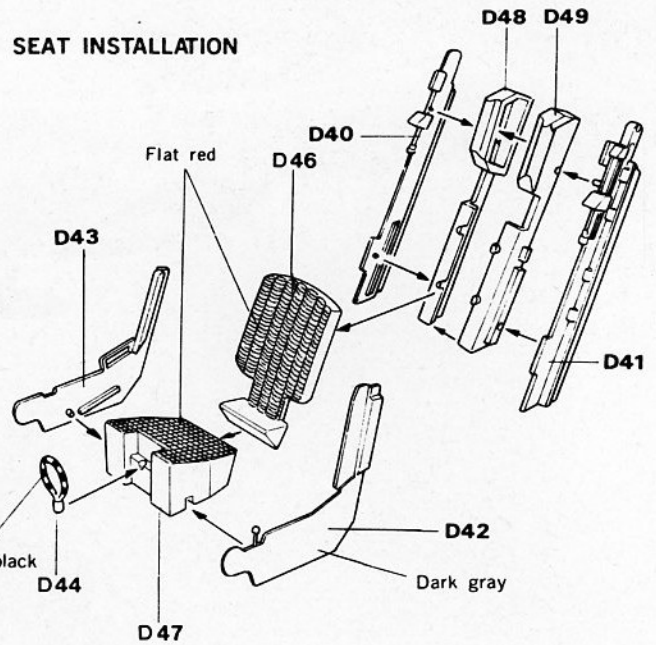
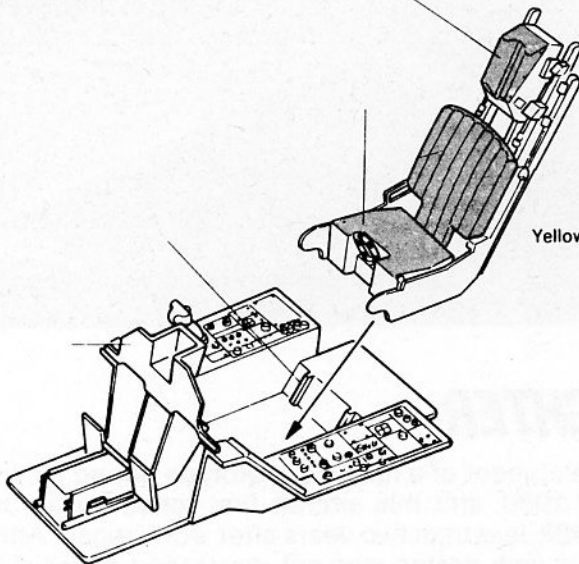
Cockpit



Pilot and Ladder

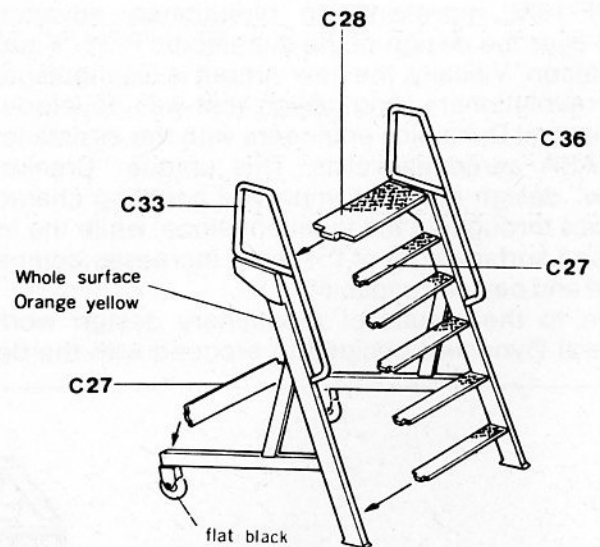
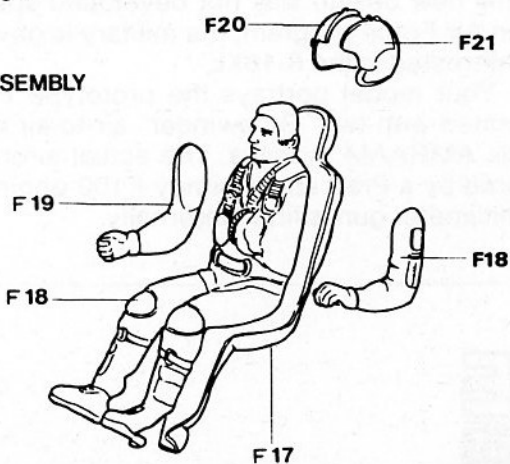
- Paint instrument panel and switches to look realistic using White Black Red Flat black paint

Head rest - Flat red

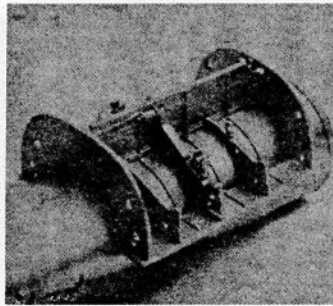


- Paint cockpit before putting seat on.

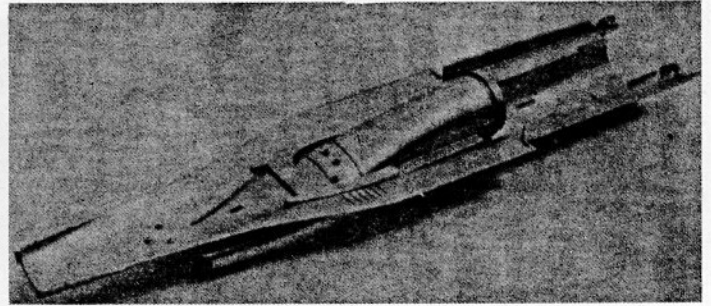
FIGURE ASSEMBLY



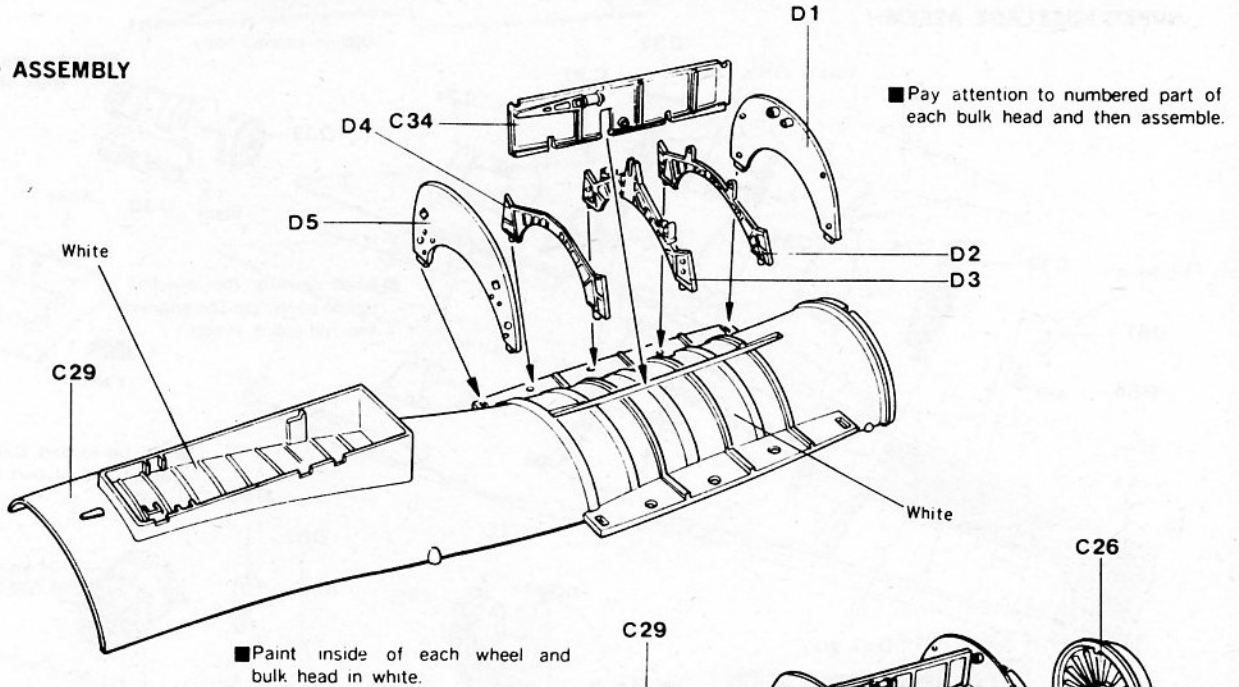
2 FUSELAGE INSIDE ASSEMBLY



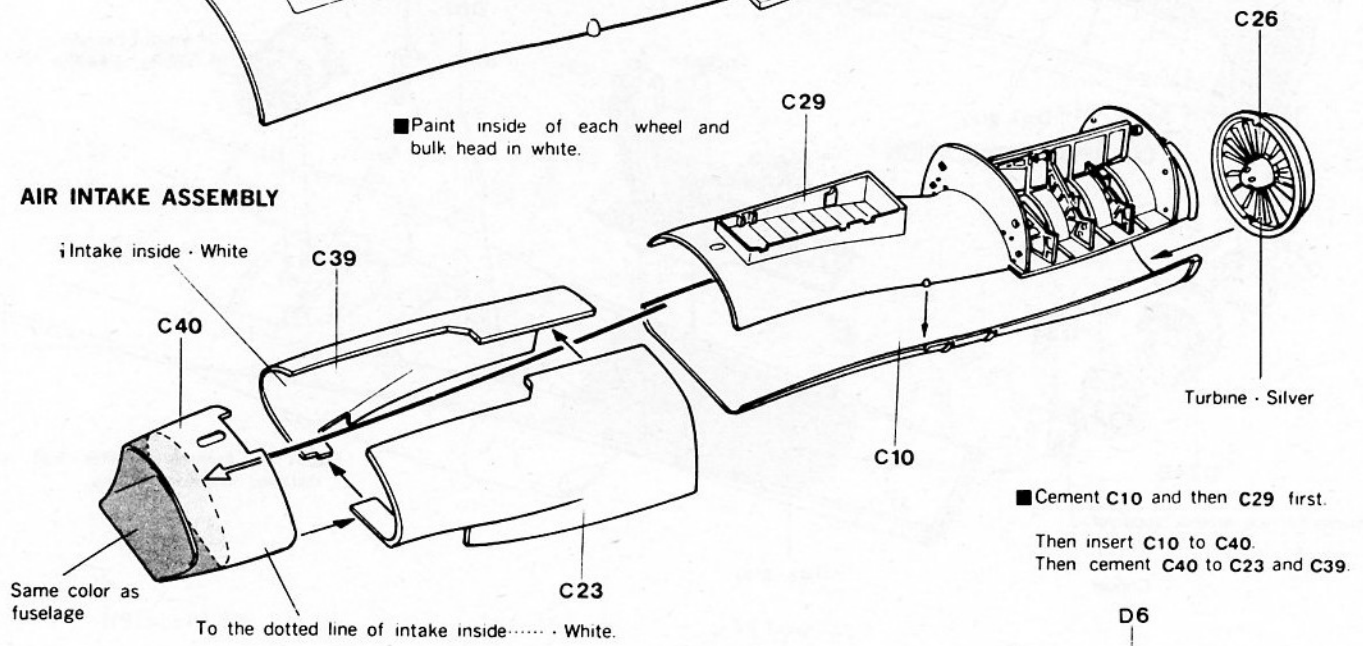
Finished Bulkhead



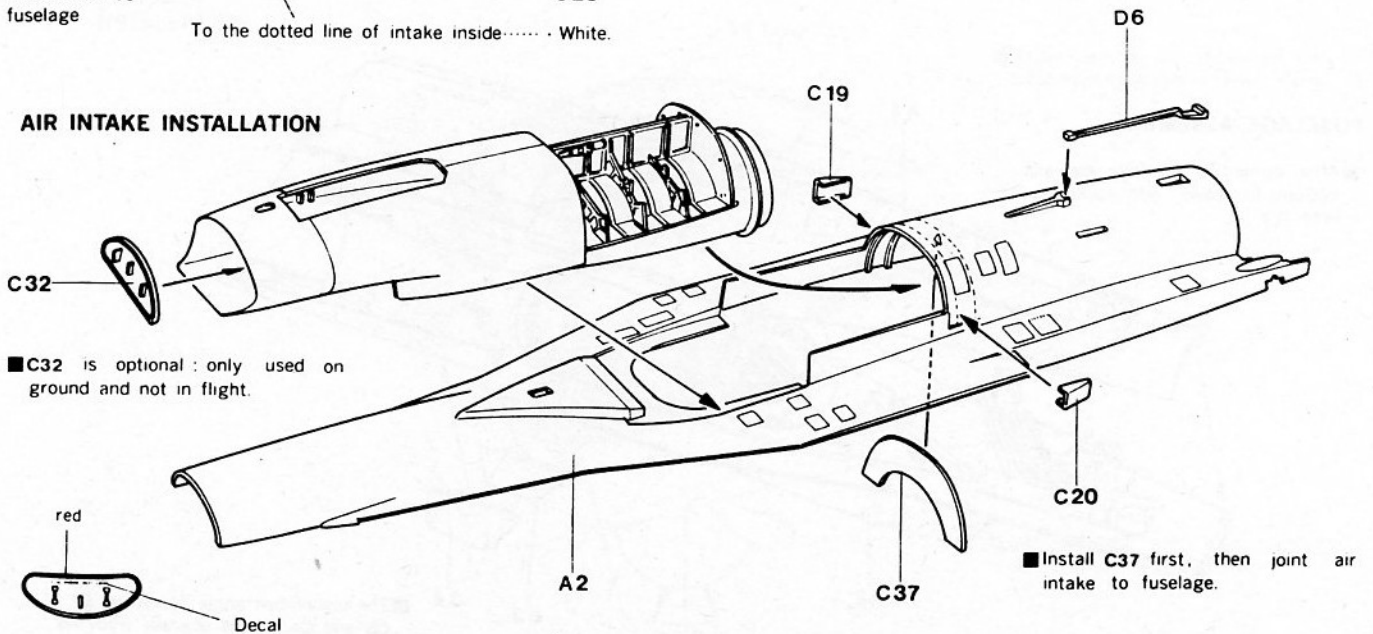
BULK HEAD ASSEMBLY



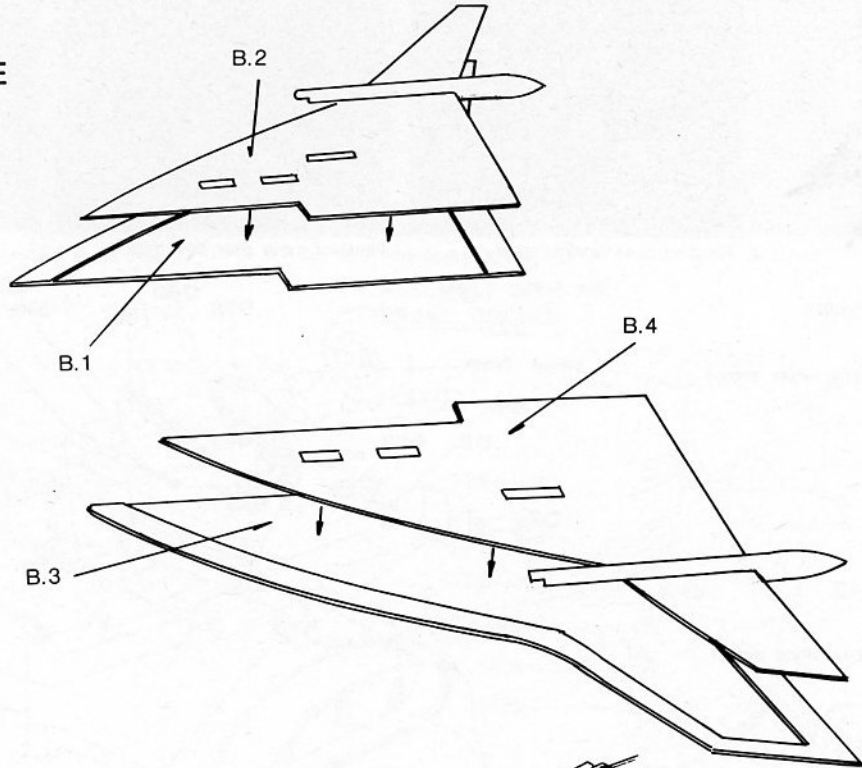
AIR INTAKE ASSEMBLY



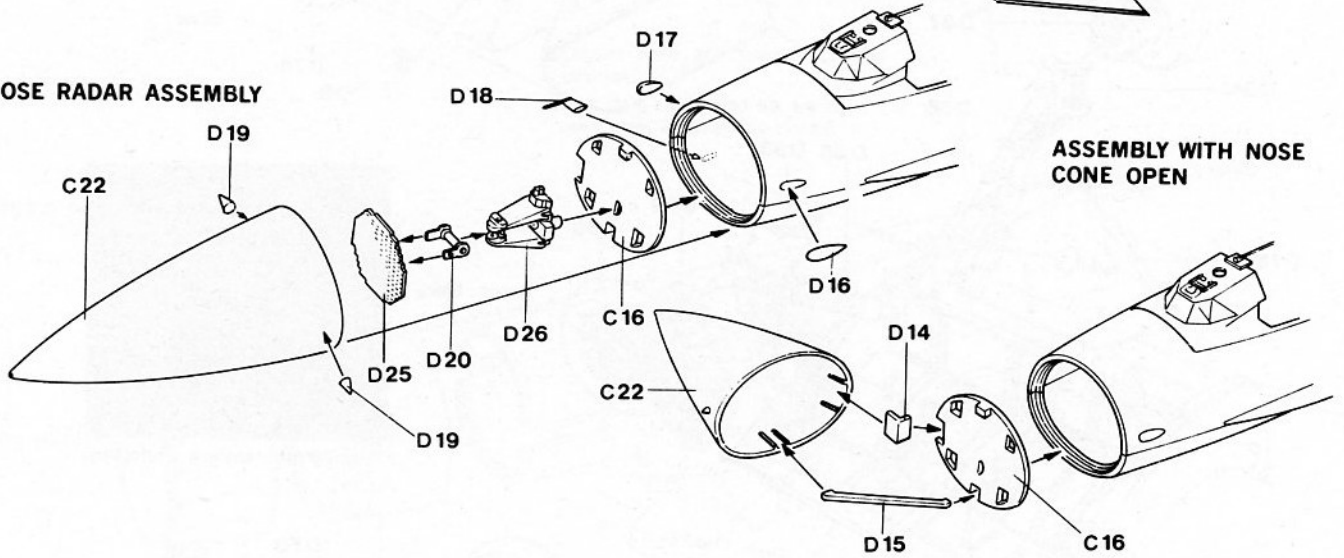
AIR INTAKE INSTALLATION



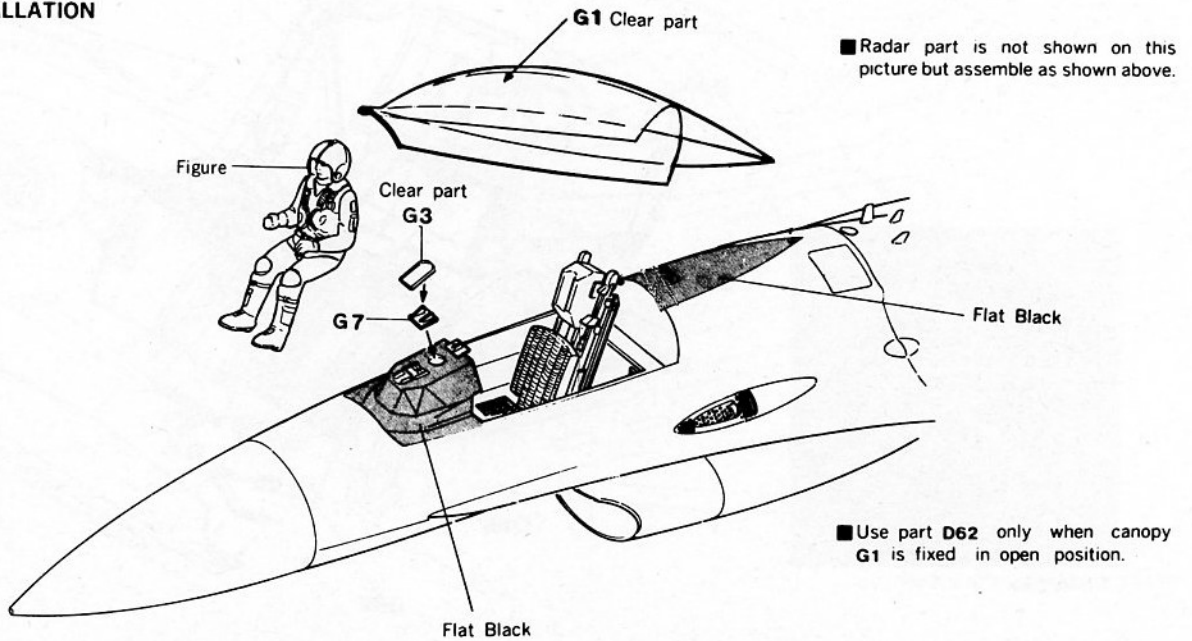
4 WING AND NOSE ASSEMBLY



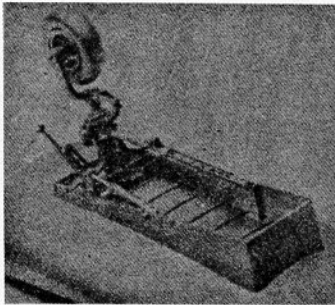
NOSE RADAR ASSEMBLY



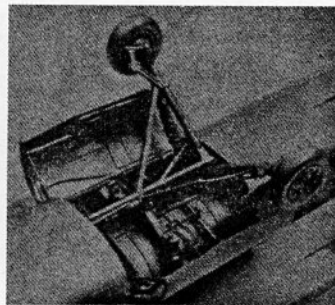
CANOPY INSTALLATION



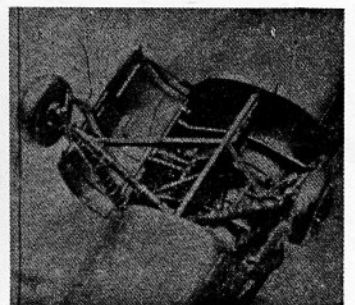
5 LANDING GEAR ASSEMBLY



Finished nose landing gear

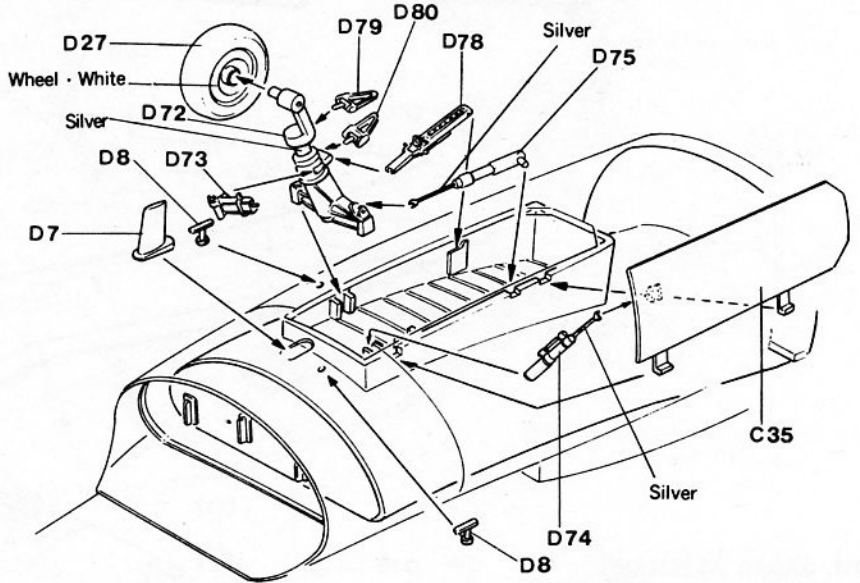


Finished main gear door (part)



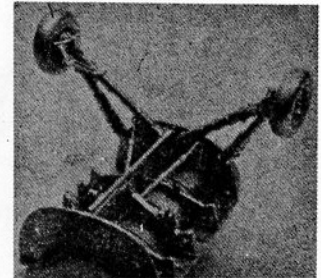
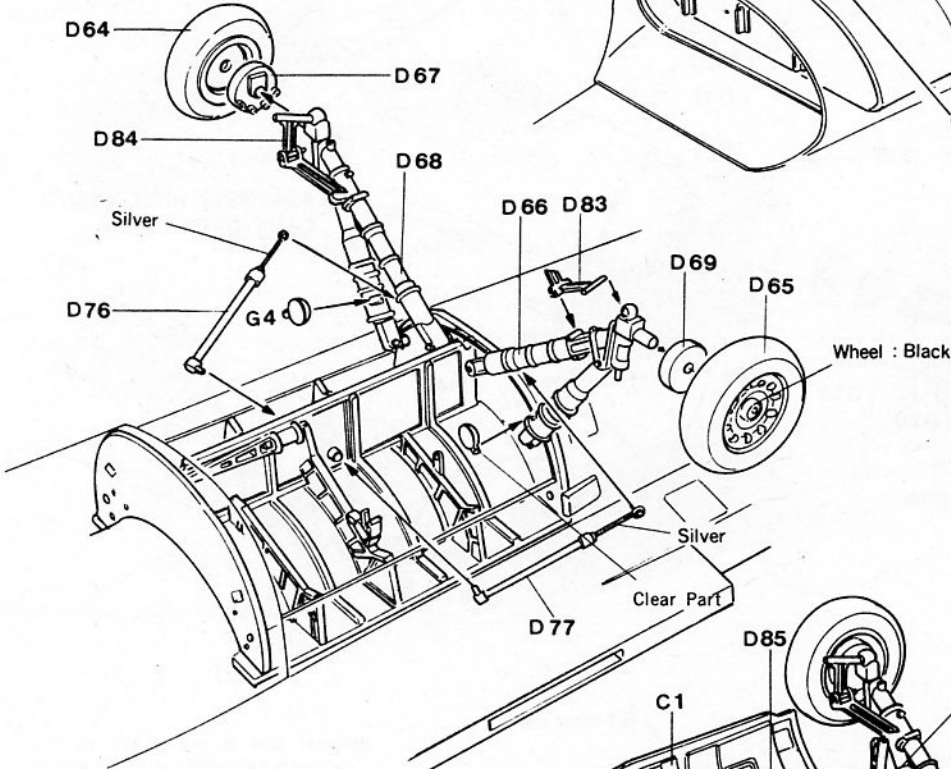
NOSE LANDING GEAR ASSEMBLY

■ Paint nose gear strut white except indicated parts.

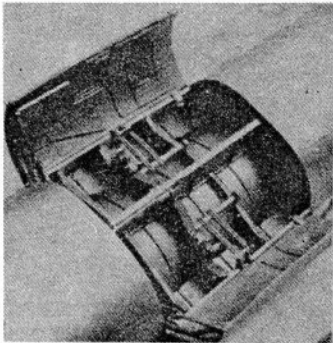


MAIN LANDING GEAR ASSEMBLY

■ Paint main gear strut white except indicated parts.

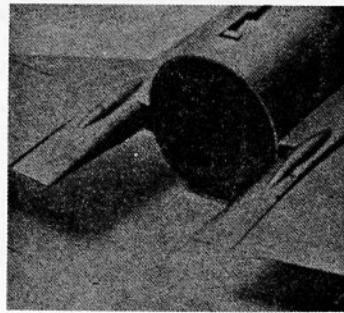


Finished main landing gear (part)

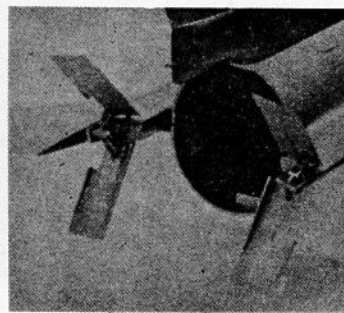


Finished Main Gear Door

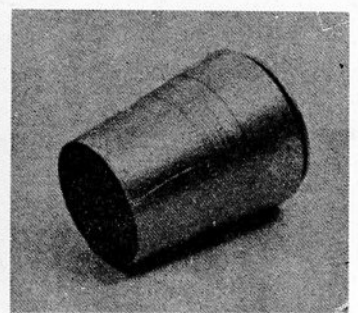
6 FUSELAGE REAR ASSEMBLY



Air Brake Closed

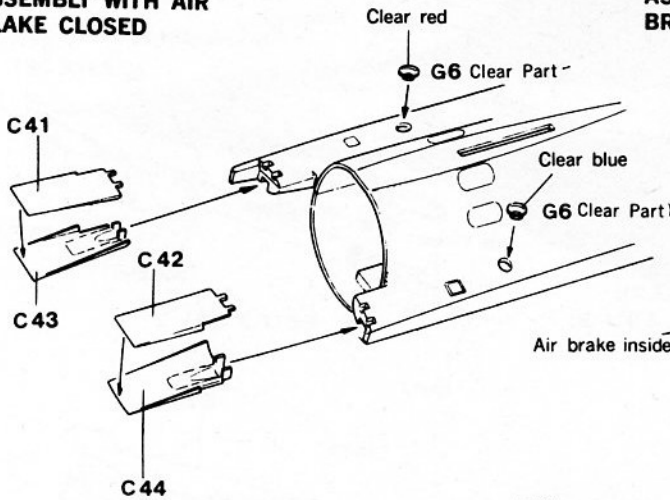


Air Brake Opened

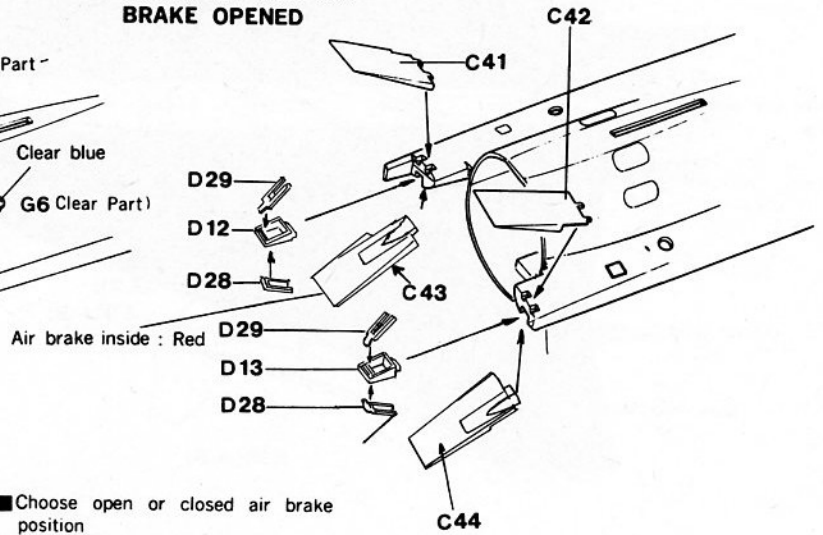


Finished After Burner

ASSEMBLY WITH AIR BRAKE CLOSED

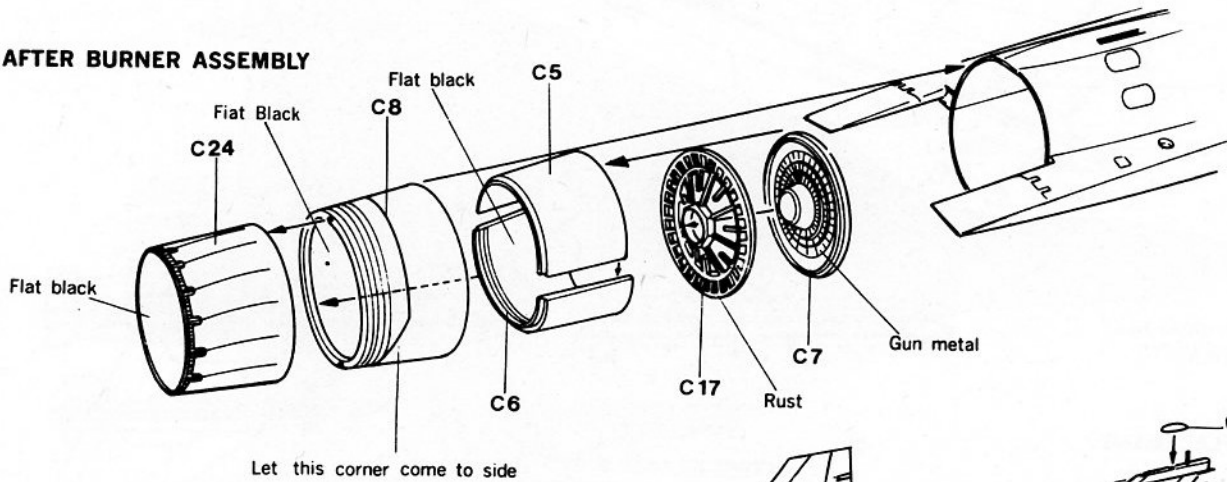


ASSEMBLY WITH AIR BRAKE OPENED

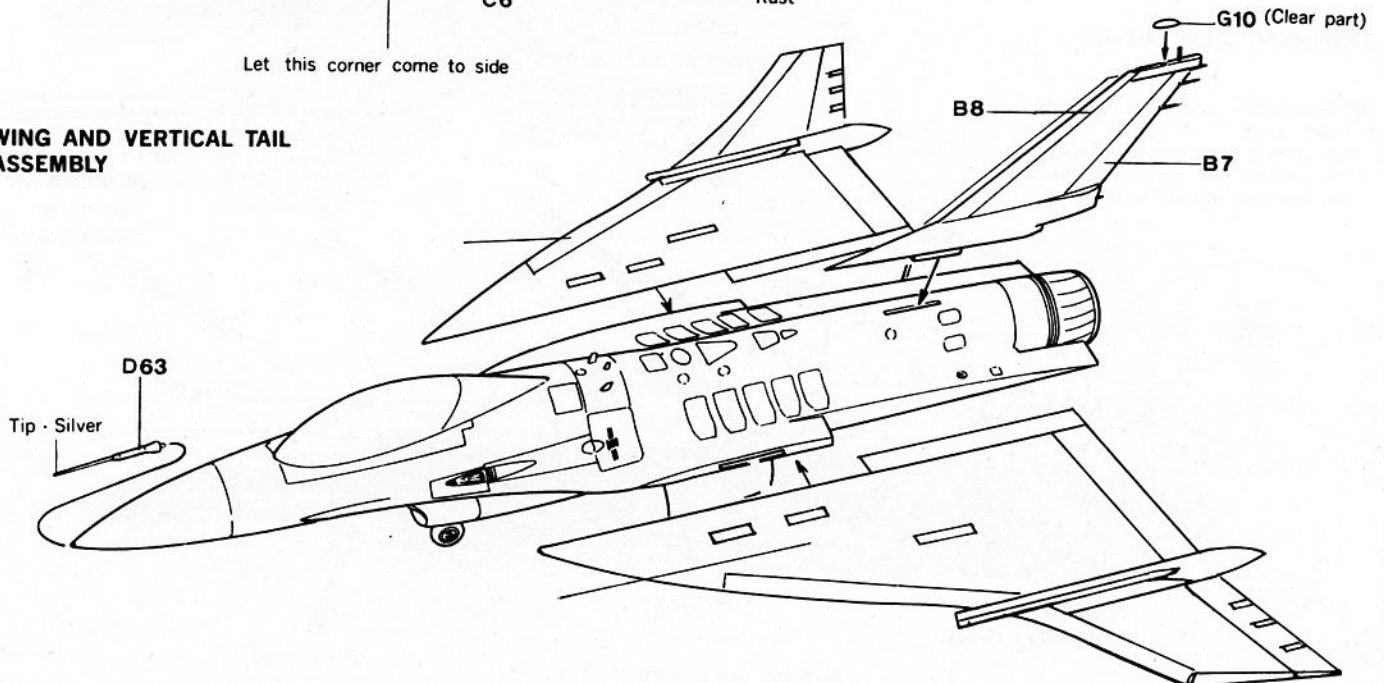


- Choose open or closed air brake position
- Part D12, 13, 28 and 39 are not used when air brake is closed.

AFTER BURNER ASSEMBLY



WING AND VERTICAL TAIL ASSEMBLY

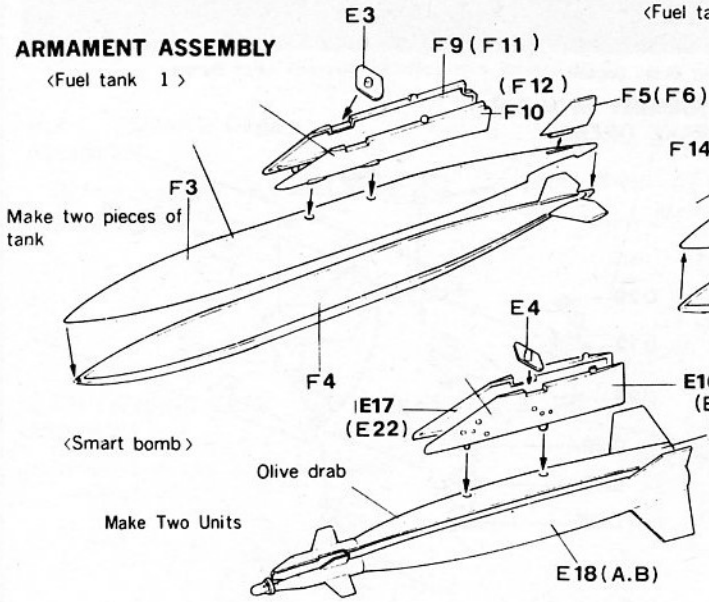


7 ARMAMENT ASSEMBLY

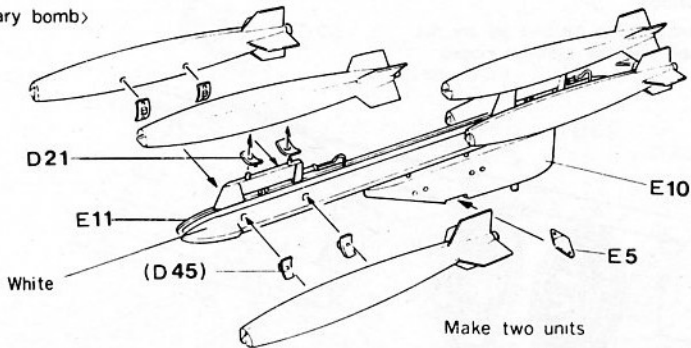
■ Paint Fuel Tank and all Pylons in Same Color as f Fuselage Bottom

ARMAMENT ASSEMBLY

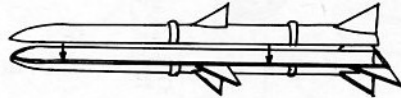
<Fuel tank 1>



<Ordinary bomb>

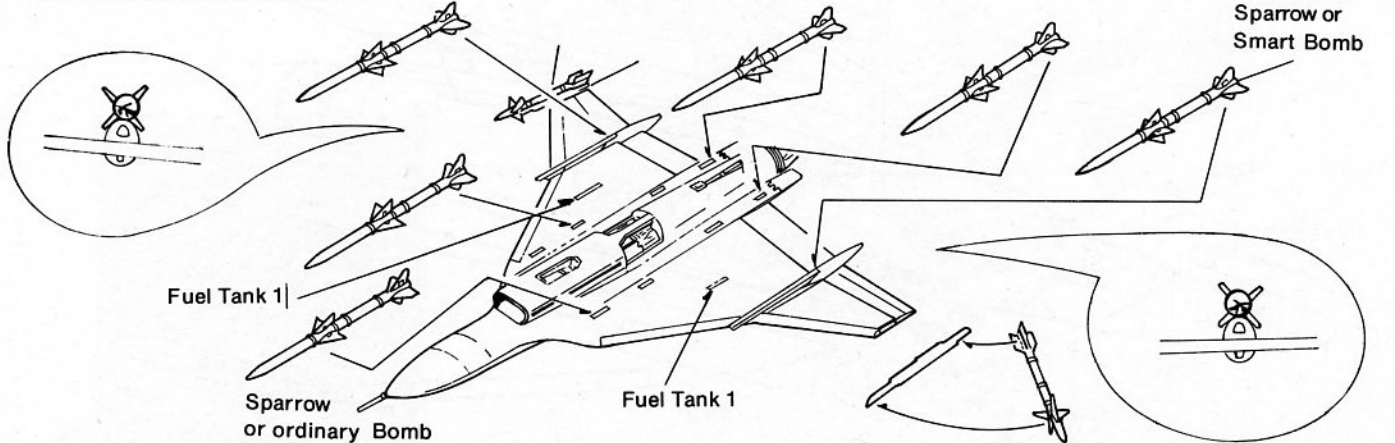


HARPOON (RGM-84A)
MAKE TWO UNITS



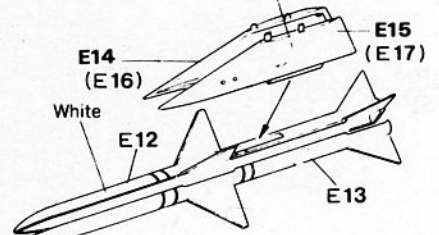
ARMAMENT PLACEMENT

■ Select either ordinary bomb or smart bomb.
The same as sparrow and sidewinder.
The position of other armament and fuel tank are not to be altered.

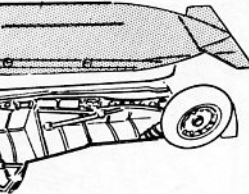
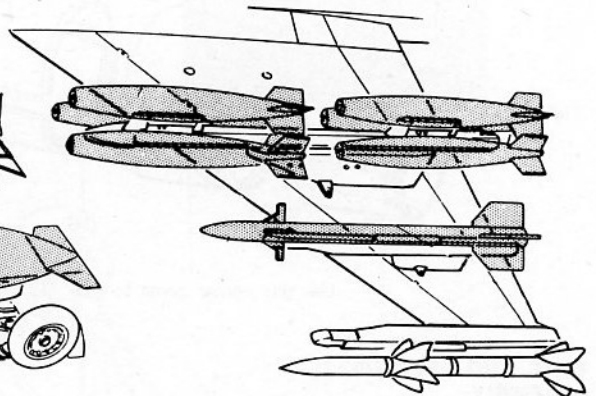
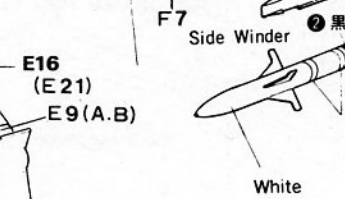
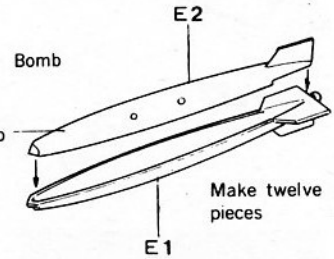
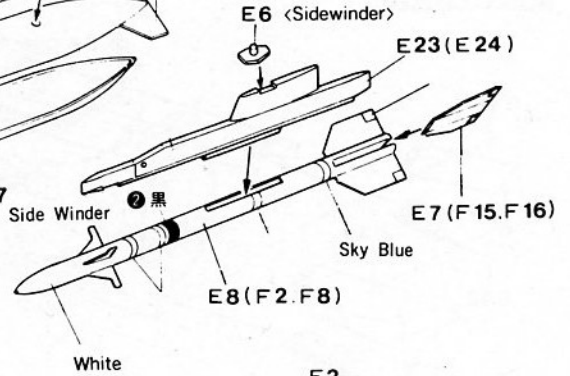
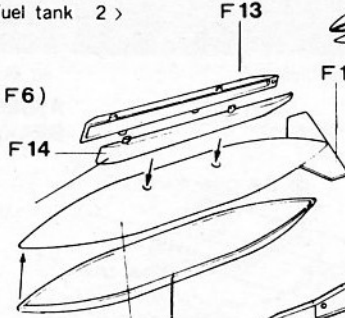


■ Thinner side of arms of E3, E4, E5, E6 (indicated by ★) faces fuselage.

<Sparrow>



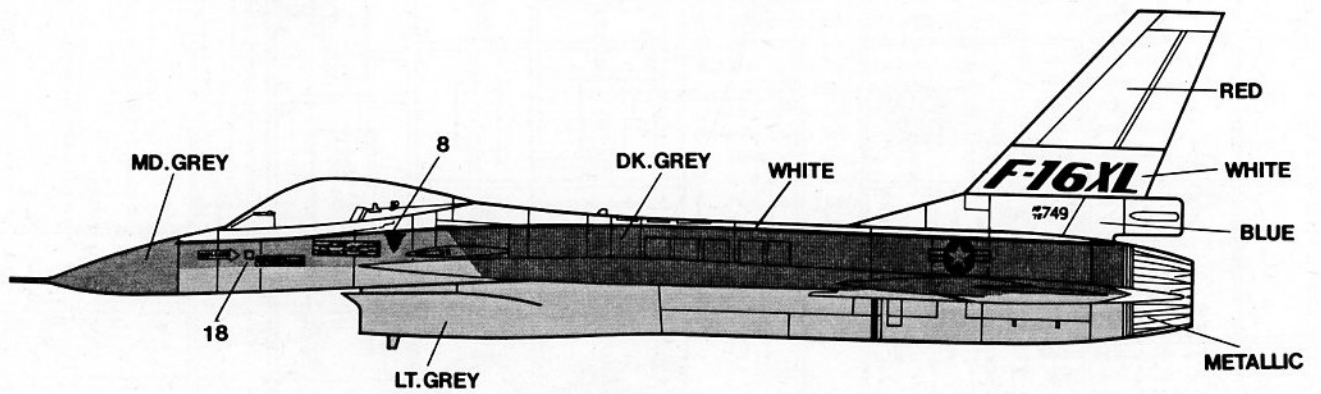
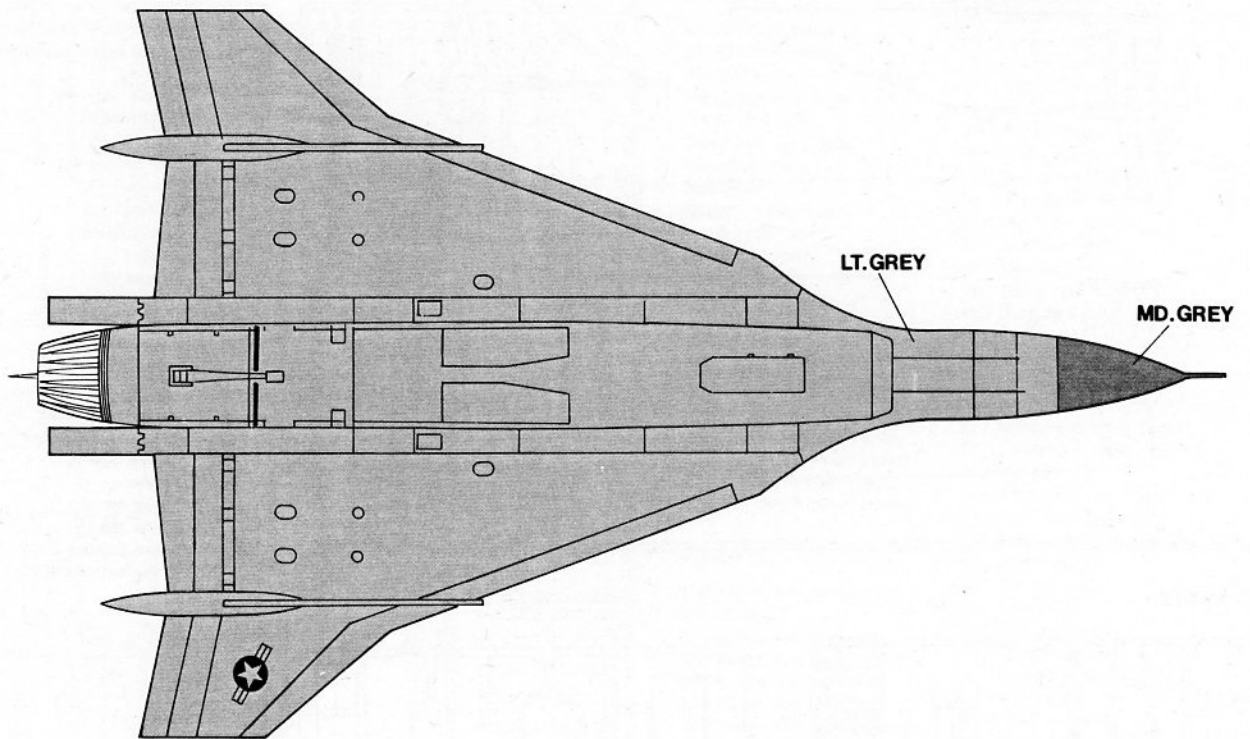
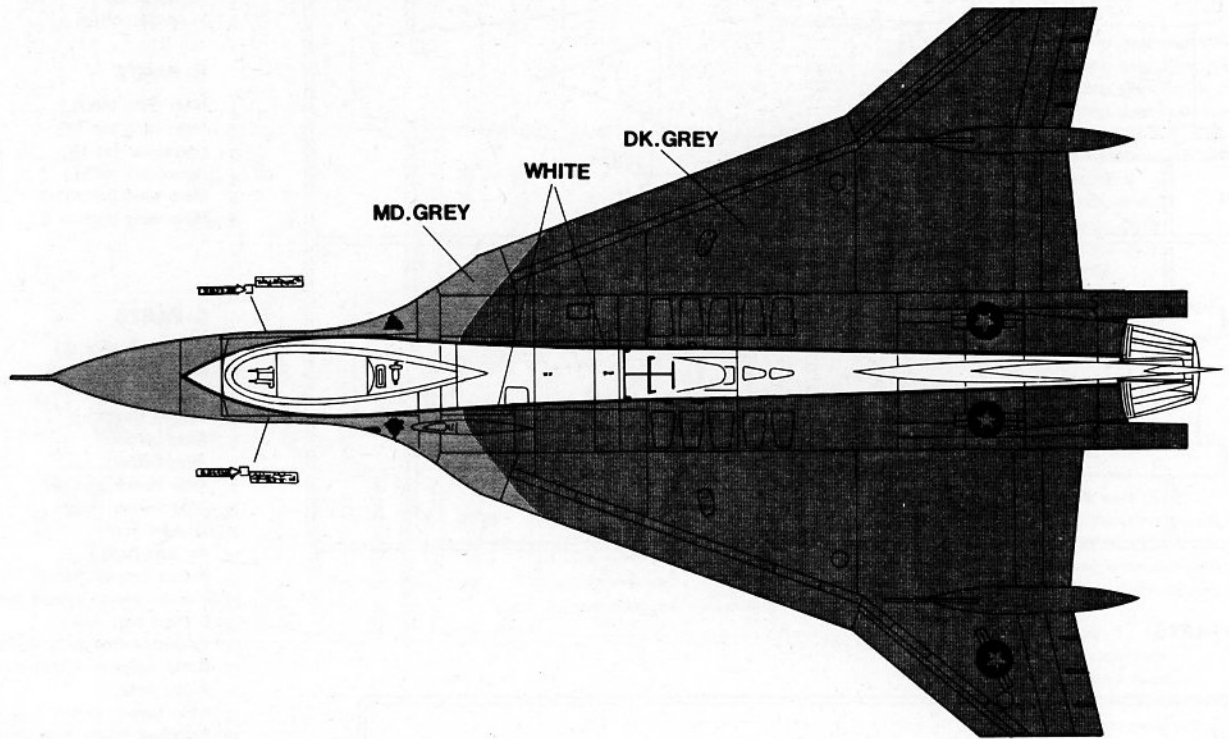
<Fuel tank 2>



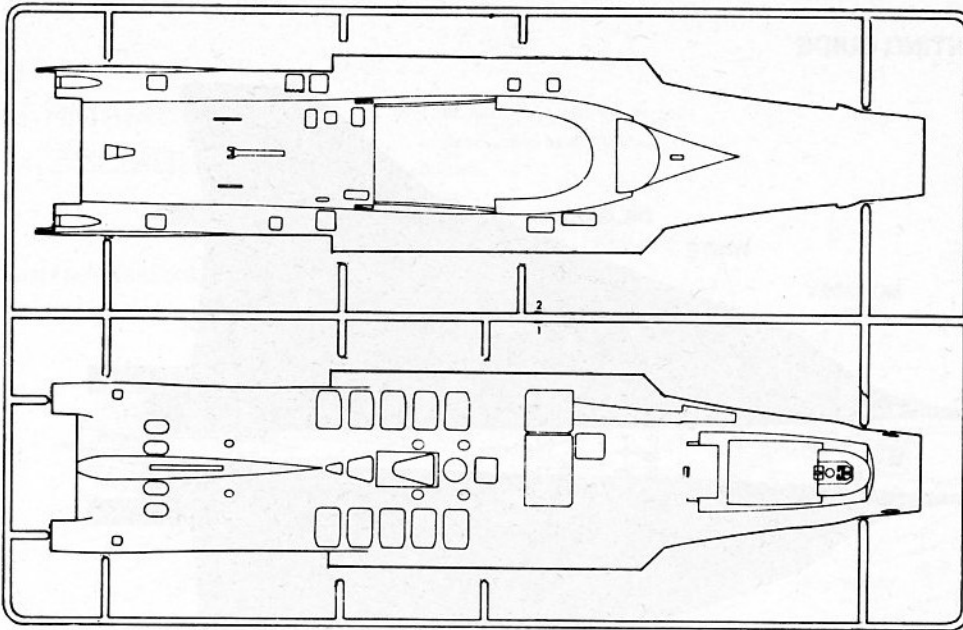
Fuel Tank 1

Sidewinder

MARKING AND COLOR PAINTING GUIDE



A-PARTS



PARTS NO. & NAME

A-PARTS

1. Fuselage top
2. Fuselage bottom

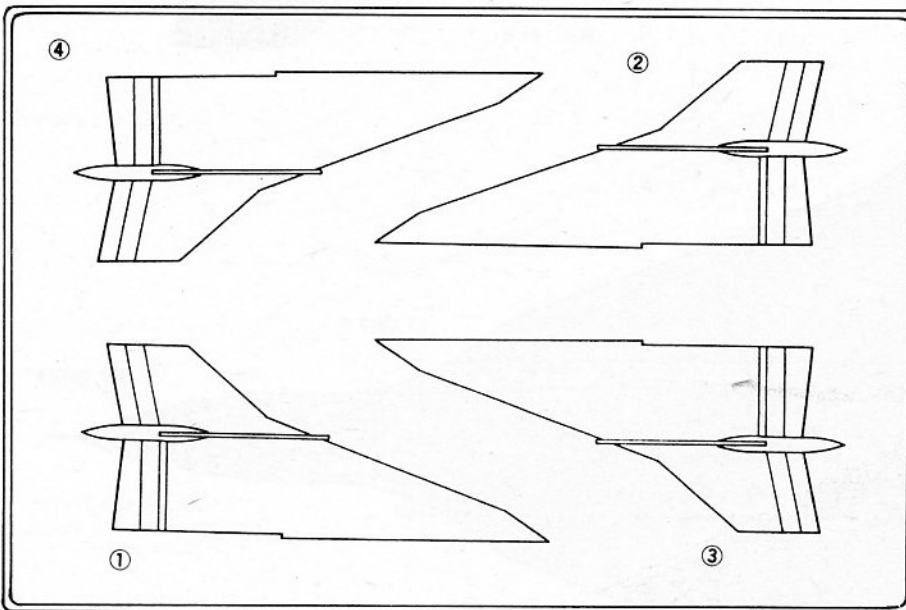
B-PARTS

1. Main wing top (L)
2. Main wing top (R)
3. Horizontal tail (R)
4. Horizontal tail (L)
5. Main wing bottom (R)
6. Main wing bottom (L)

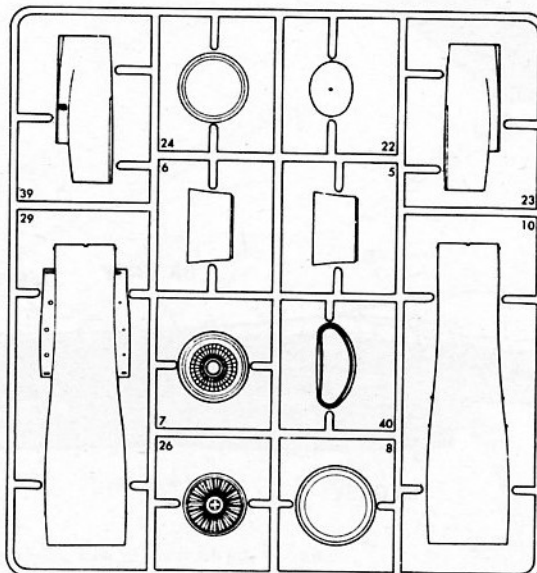
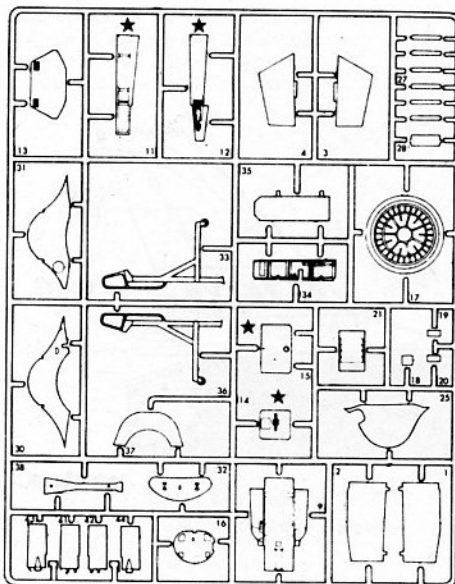
C-PARTS

1. Main gear door (L)
2. Main gear door (R)
3. Ventral fin (R)
4. Ventral fin (L)
5. After burner
6. After burner
7. After burner part (B)
8. After burner cover
9. Cockpit floor
10. Air duct (top)
11. Vulcan cannon well
12. Vulcan cannon access panel
13. Cockpit bulk head
14. Vulcan cannon body access panel
15. Bullet supplier access panel
16. Radar base
17. After burner igniter
18. Refueling boom receptacle
19. Supplementary air intake
20. Supplementary air intake
21. Refueling boom receptacle box
22. Nose cone
23. Air intake side (R)
24. Exhaust pipe
25. Bulk head (A)
26. Engine turbine fan
27. Ladder part (A)
28. Ladder part (B)
29. Air duct (bottom)
30. Bulk head (C)
31. Bulk head (B)
32. Air intake cover
33. Ladder frame (L)
34. Main gear well frame
35. Nose gear door
36. Ladder frame (R)
37. Duct strut bulk head
38. Landing gear well cover
39. Air intake side (L)
40. Air intake
41. Air brake top (L)
42. Air brake top (R)
43. Air brake bottom (L)
44. Air brake bottom (R)

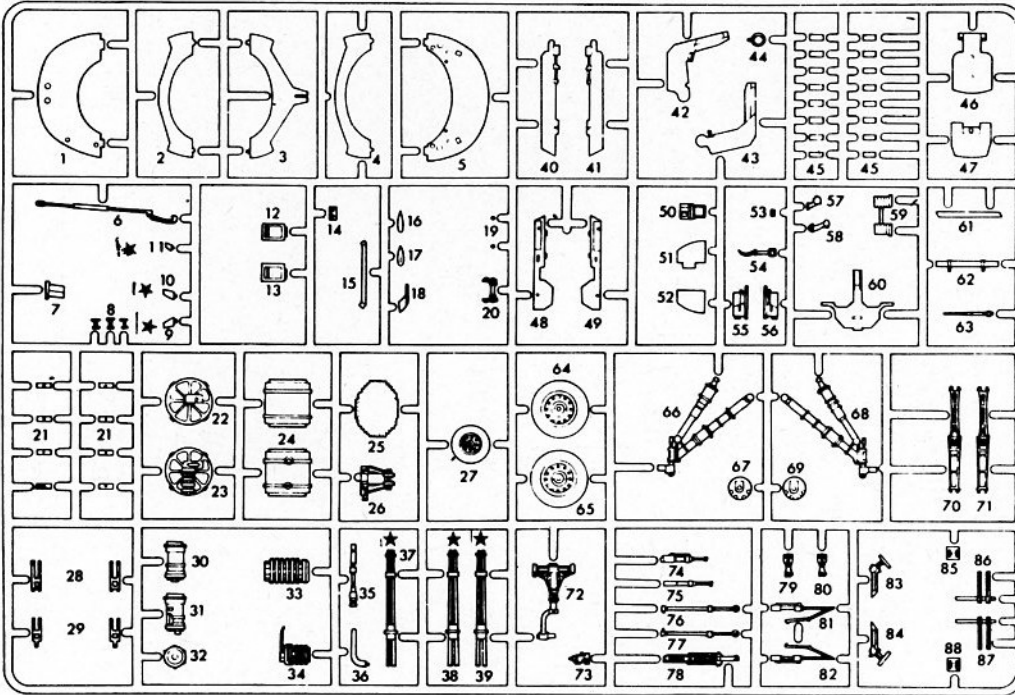
B-PARTS



C-PARTS



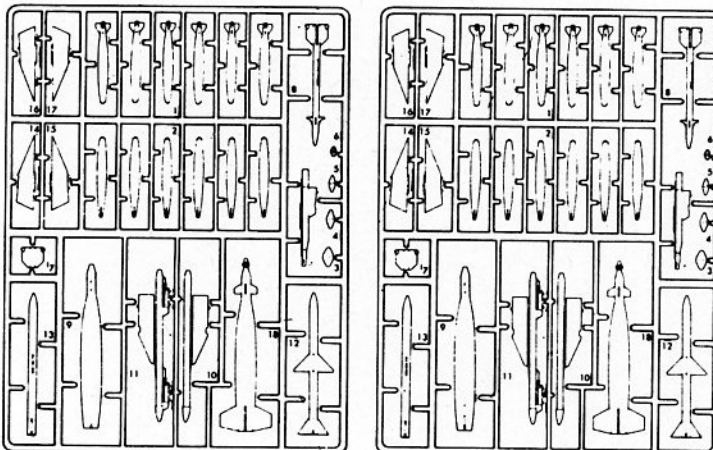
D-PARTS



D-PARTS

1. Main landing gear rear bulk head
2. Main landing gear front frame
3. Main landing gear center frame
4. Main landing gear rear frame
5. Main landing gear front bulk head
6. Arresting hook
7. UHF antenna A
8. Temperature sensor
9. UHF antenna (left)
10. UHF antenna (right)
11. VHF antenna
12. Air brake part
13. Air brake part
14. Nose cone hinge
15. Nose cone arm
16. ECM antenna
17. ECM antenna
18. Pitot tube (B)
19. A6FA transmitter
20. Radar arm
21. Bomb rack part (B)
22. Vulcan cannon ammo. supplier (L)
23. Vulcan cannon ammo. supplier (R)
24. Vulcan cannon ammo. supplier bottom (A)
25. Vulcan cannon ammo. supplier top (B)
26. Radar strut
27. Nose wheel
28. Air brake strut (top)
29. Air brake strut (bottom)
30. Vulcan cannon motor (bottom)
31. Vulcan cannon motor (top)
32. Vulcan cannon part (A)
33. Vulcan cannon ammo. belt (R)
34. Vulcan cannon ammo. belt (L)
35. Vulcan cannon part (A)
36. Vulcan cannon part (B)
37. Vulcan cannon barrel
38. Vulcan cannon barrel
39. Vulcan cannon barrel
40. Seat guide rail (left)
41. Seat guide rail (right)
42. Seat part (right)
43. Seat part (left)
44. Ejection ring
45. Bomb rack part (C)
46. Seat back rest
47. Seat
48. Head rest (left)
49. Head rest (right)
50. Central radar scope
51. Instrument panel (right)
52. Instrument panel (left)
53. Meter
54. Arm rest
55. Foot pedal part (left)
56. Foot pedal part (right)
57. Throttle stick
58. Control stick
59. Foot pedal
60. Instrument panel
61. Current adjuster
62. Canopy actuator
63. Pitot tube
64. Main wheel
65. Main wheel
66. Main gear strut (R)
67. Main wheel brake
68. Main gear strut (L)
69. Main wheel brake
70. Main gear arm
71. Main gear arm
72. Nose gear strut
73. Nose gear part
74. Nose gear cover actuator
75. Nose gear actuator
76. Main gear actuator (left)
77. Main gear actuator (right)
78. Nose gear arm
79. Shock absorber part
80. Shock absorber part
81. Main gear cover actuator (L)
82. Main gear cover actuator (R)
83. Main gear part (right)
84. Main gear part (left)
85. Main gear well part (B)
86. Main gear well part A (right)
87. Main gear well part A (left)
88. Main gear well part B

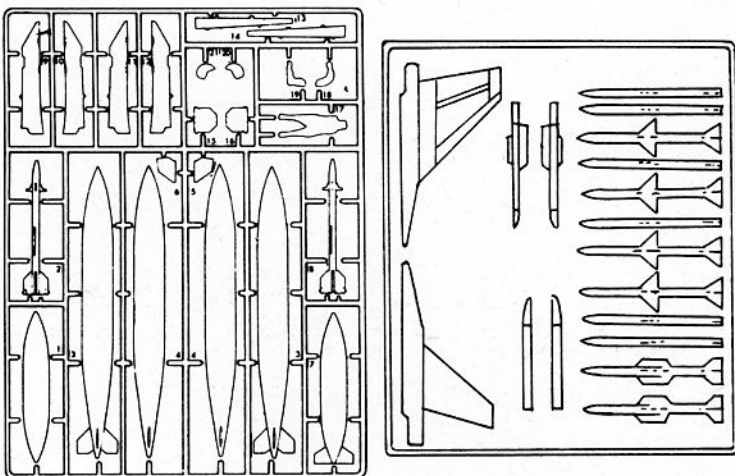
E-PARTS



E-PARTS

1. Mk. 82LDGP bomb
2. Mk. 82LDGP bomb
3. 370 gallon fuel tank pylon part
4. GBU-10 bomb pylon part
5. Bomb rack part
6. Sidewinder pylon part
7. Sidewinder wing
8. Sidewinder
9. GBU-10 bomb (top)
10. Bomb rack (right)
11. Bomb rack (left)
12. Sparrow (top)
13. Sparrow (bottom)
14. Sparrow pylon (left)
15. Sparrow pylon (right)
16. Sparrow pylon (right)
17. Sparrow pylon (left)
18. GBU-10 bomb (bottom)
19. GBU-10 bomb pylon (left)
20. GBU-10 bomb pylon (right)
21. GBU-10 bomb pylon (left)
22. GBU-10 bomb pylon (right)

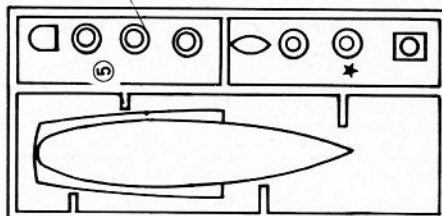
F-PARTS



F-PARTS

1. 150 gallon fuel tank (top)
2. Sidewinder
3. 370 gallon fuel tank (top)
4. 370 gallon fuel tank (bottom)
5. 370 gallon fuel tank wing
6. 370 gallon fuel tank wing
7. 150 gallon fuel tank (bottom)
8. Sidewinder
9. 370 gallon fuel tank pylon (right)
10. 370 gallon fuel tank pylon (left)
11. 370 gallon fuel tank pylon (right)
12. 370 gallon fuel tank pylon (left)
13. 150 gallon fuel tank pylon (right)
14. 150 gallon fuel tank pylon (left)
15. Sidewinder wing
16. Sidewinder wing
17. Pilot body (back)
18. Pilot body (front)
19. Pilot right arm
20. Helmet (left)
21. Helmet (right)
22. Pilot left arm

G-PARTS



G-PARTS

1. Canopy (front)
2. Canopy (rear)
3. Head-up display
4. Landing light
5. Landing light
6. Top Navigation light (B)
7. HUD part
8. Top Navigation light (A)
9. Top Navigation light (A)
10. Anti-collision light