

# 1/48 NORTH AMERICAN P-51D MUSTANG

1/48 PRECISE SCALE FAMOUS FIGHTER SERIES OF THE WORLD WAR II



When the German Army conquered Europe in 1940 Great Britain was in serious danger of being undefended. At that time Britain concluded an agreement with USA to import a quantity of P40 Fighters and requested The North American Aircraft Company to build these fighters.

North American was not producing P40S at that time and suggested they could design and build a much better fighter aircraft.

after further negotiations, contract was signed in April 1940 for a prototype. this prototype designed mainly by Raymond Lize and Edgar Schmitt was produced in 117 days and flown on Oct 26 1940. In April 1942 the Mustang 1 entered service with No 2 SGN RAF Army Cooperation Command in a low level fighter/Reconnaissance role.

During this time the Mustang was largely ignored by US Armed Forces due to the popularity of the P47 Thunderbolt, P38 Lightning and The P40 Warhawk which were achieving excellent results. finally the US Forces recognized the advantages of the Mustang and signed orders for production of the Allison engined models.

In 1942 as a means of improving the high altitude performance of the Mustang a 60 Series Rolls Royce Merlin engine was fitted and the first Mustang flew on Oct 13 1942. Further modification by North America included an additional intercooler radiator, oil radiator and a four blade propellor. By summer 1943 large scale production of the P51 was in hand at Inglewood and Dallas.

Further modification continued and later in 1940 North American Corp. added the British Malcolm sliding canopy for improved pilot vision.

P51S served with many Allied Air Forces and proved itself to be one of the finest propellor aircraft ever built.

Development continued after World War II and the Mustang was used extensively during the Korean War until eventually replaced by jet.

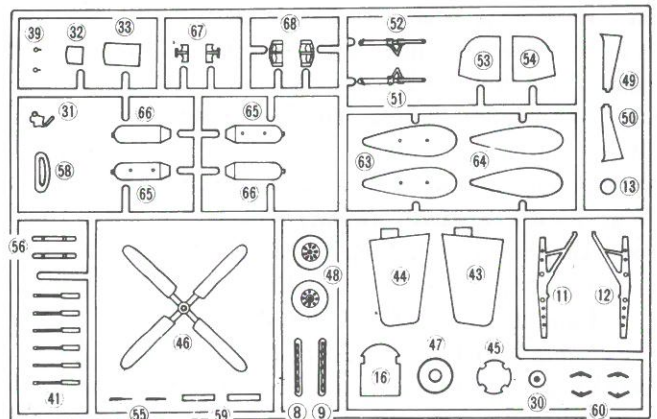
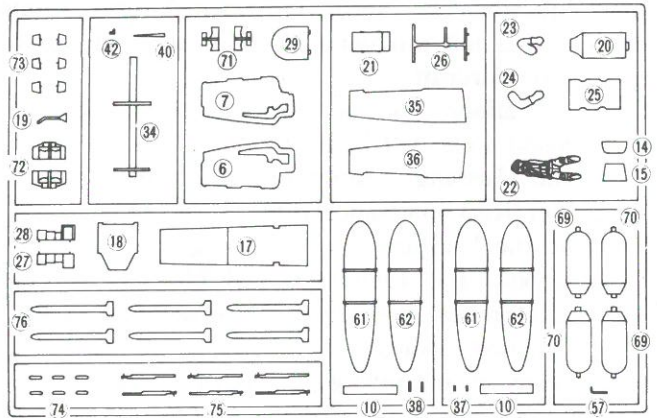
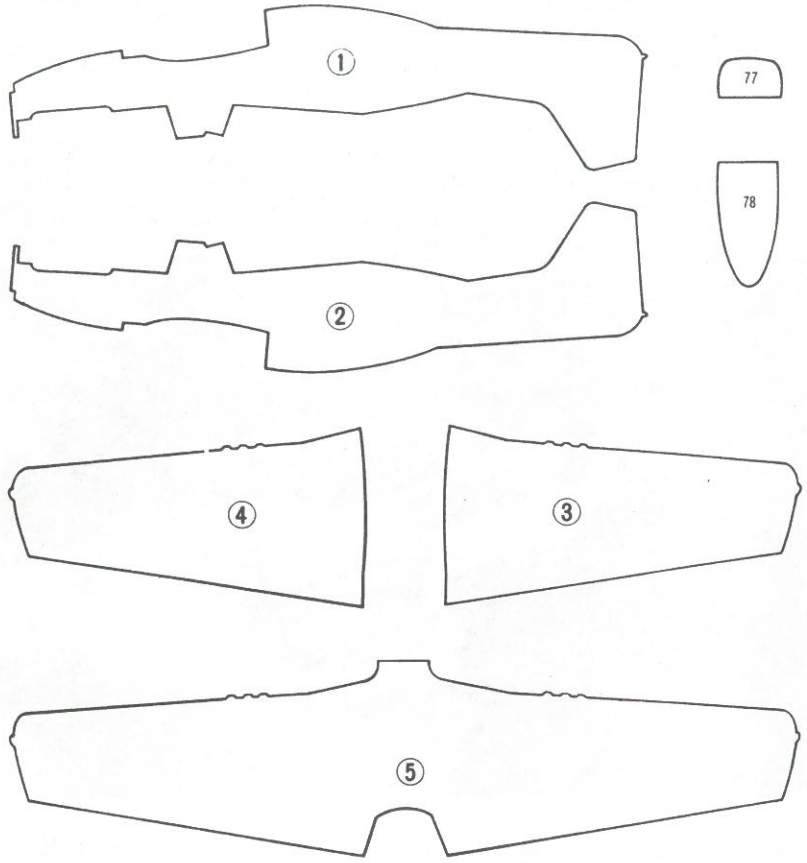
Total produced 15,586 including 200 assembled by Commonwealth Aircraft in Australia

Dimensions: Wings pin	37FT 1/4 INS	Performance: Max speed	V5110 388MPL
Length	32FT 4 INS	Model B.C.D.	437 MPL
Wing Area	233 SQFT	Model H	487 MPL

Armament: Varied with each model and specific role, Mustang used exteriors external loads including long range fuel tanks, 500 and 1000 lb bombs and rocket. guns ranged from 4 12.7mm Browning machine guns to 6 12 77 machine guns.

COMPONENT

1. body (R)
2. body (L)
3. upper part main wing (R)
4. upper part main wing (L)
5. under part main wing
6. main body of engine (R)
7. main body of engine (L)
8. exhaust valve (R)
9. exhaust valve (L)
10. cover of camshaft
11. engine frame (R)
12. engine frame (L)
13. propeller shaft
14. upper part of tank in radiator
15. under part of tank in radiator (front)
16. fire proof wall
17. bottom
18. gauge plate
19. control lever
20. seat propping plate
21. seat
22. pilot
23. pilot's hand (R)
24. pilot's hand (L)
25. fuel tank
26. radio support
27. radio (R)
28. radio (L)
29. rear bulkhead
30. tail wheel
31. tail wheel axis
32. base of oil radiator
33. base of radiator
34. engine mount
35. engine cover (R)
36. engine cover (L)
37. engine cover-fixed component (front)
38. engine cover-fixed component (back)
39. back mirror
40. antenna
41. machine gun
42. exhaust pipe
43. vertical tail wing (R)
44. vertical tail wing (L)
45. spinner
46. propeller
47. propeller-hub
48. main wheel
49. landing gear cover (R)
50. landing gear cover (L)
51. landing gear axle (R)
52. landing gear axle (L)
53. wheel cover (R)
54. wheel cover (L)
55. wheel cover switch
56. pylon
57. pitot pipe
58. radiator cowl
59. back wheel cover
60. tank rack
61. fuel tank for long distance (upper)
62. fuel tank for long distance (under)
63. extra tank (upper)
64. extra tank (under)
65. 227kg bomb (upper)
66. 227kg bomb (under)
67. 227kg bomb wing (R)
68. 227kg bomb wing (L)
69. 454kg bomb (upper)
70. 454kg bomb (under)
71. 454kg bomb wing (R)
72. 454kg bomb wing (L)
73. rocket bomb (front)
74. rocket bomb (back)
75. rocket bomb frame
76. rocket bomb frame
77. rocket bomb
78. canopy (front)
79. canopy (back)



## 1 Engine Assembly

Put propeller shaft (13) into main body of engine (6,7) (Do not attach) and cam-shaft cover (10) exhaust pipe (8,9), engine frame (11,12) and attach fire proof wall fixed to cooling tank (14,15) to engine frame.

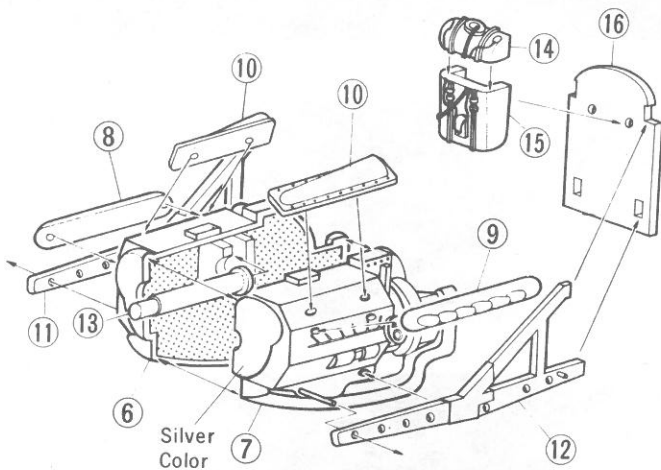
### Coloring

(6,7,8,9,10).....dark green

(11,12).....inside color of body

(14,15,16).....silver color

\*Silver color in part of tank of main body of engine.



## 2 Pilot Cabin Assembly

As described, attach components to bottom (17).

Attach pilot at last time.

### Coloring(Pilot)

Blue(White String)

Red Brown

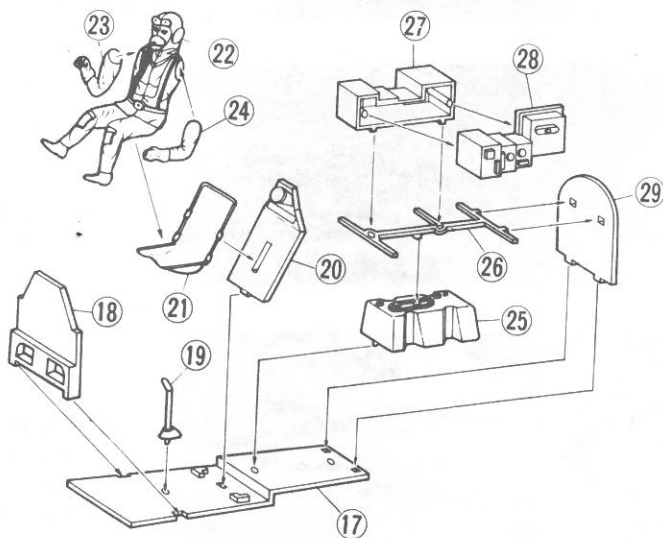
Skin Color

Black

Black

Red Brown

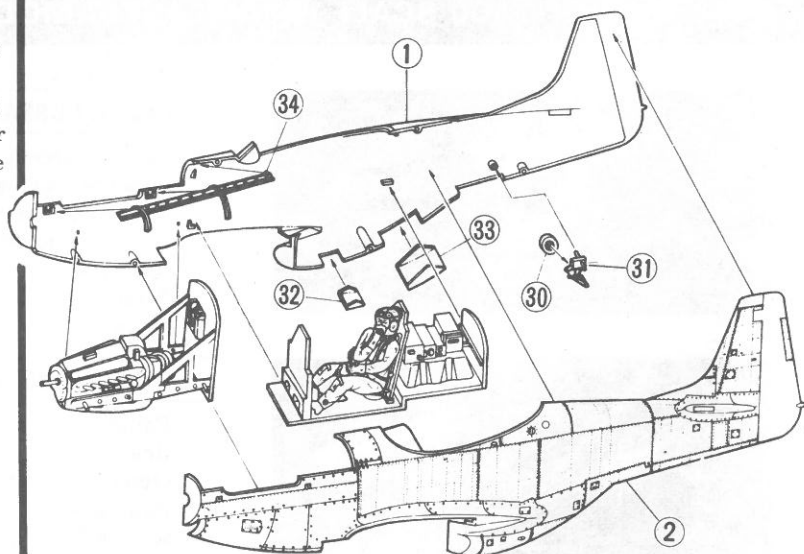
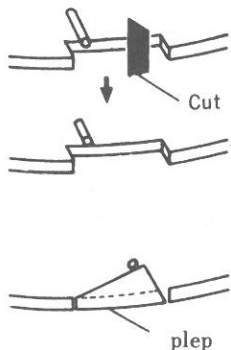
Black



## 3 Body Assembly

Attach completed engine and pilot cabin at the proper position.

If you want radiator's base (32,33) to be closed, attach radiator base after cutting attaching position with knife as described below.

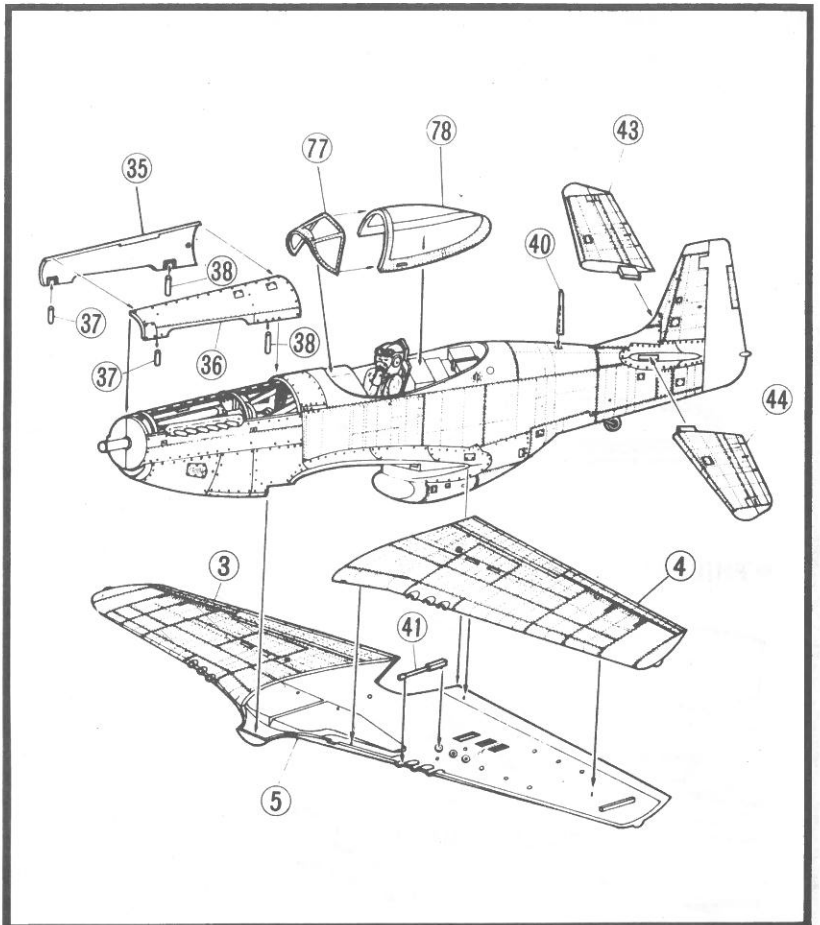
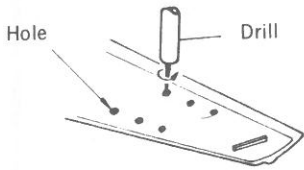


## 4 Wing Assembly

Do not attach engine cover (35 36 37 38 assembled).

Attach under big wing 3 machine guns (41) at right and left.

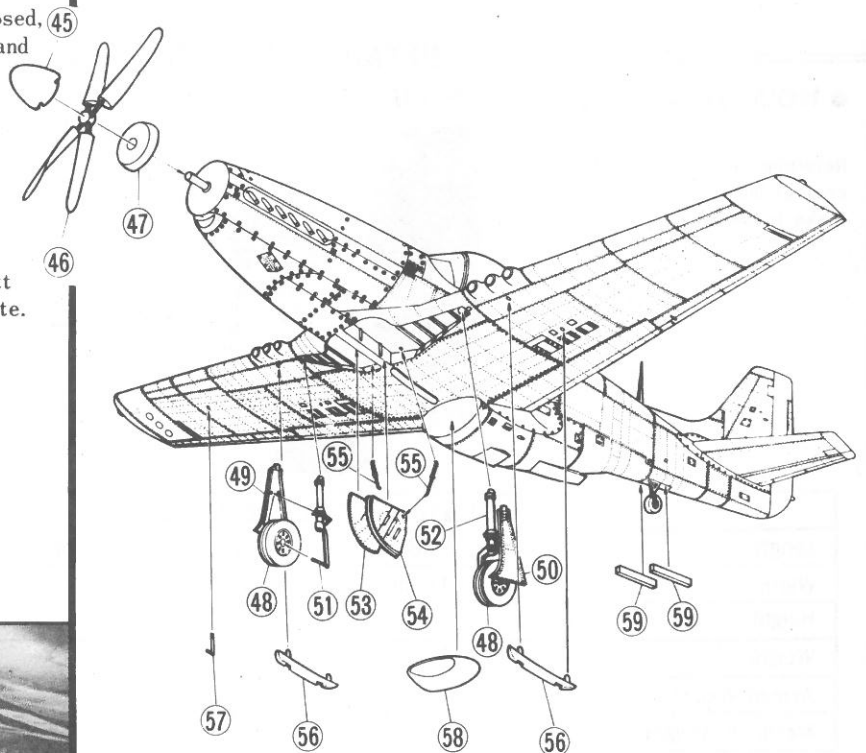
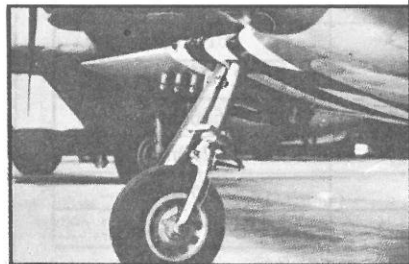
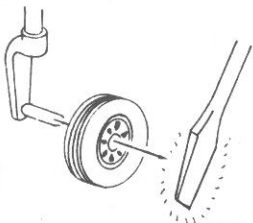
If you want to attach rocket bomb (76) to P-51D-25-NA, make a hole as described below.



## 5 Landing gear Assembly etc.

If you want wheel cover (53 54) closed, (45) do not use wheel cover switch and attach it to hangar. Again attach extra tank or bomb to pylon (56).

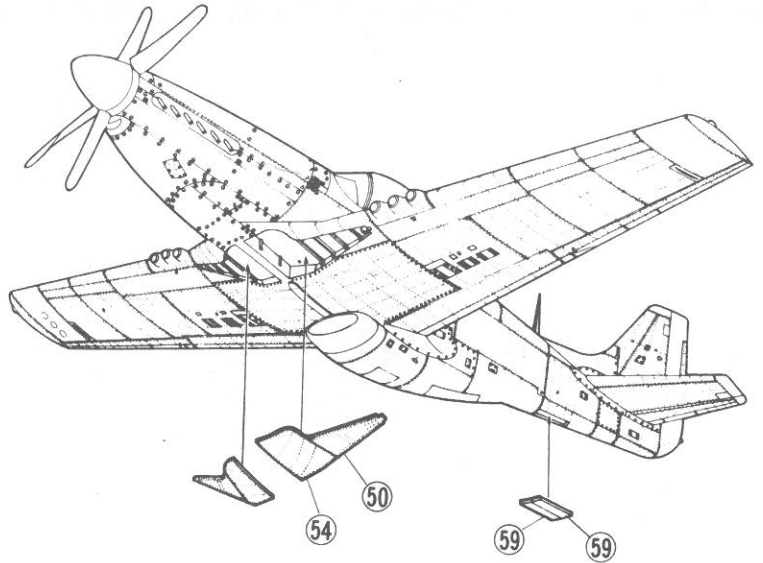
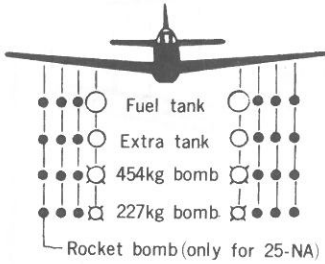
※ Do not glue tyre. put pressure on the edge of axis by hott screw driver, allow wheel to rotate.



## 6 Flying Situation Assembly

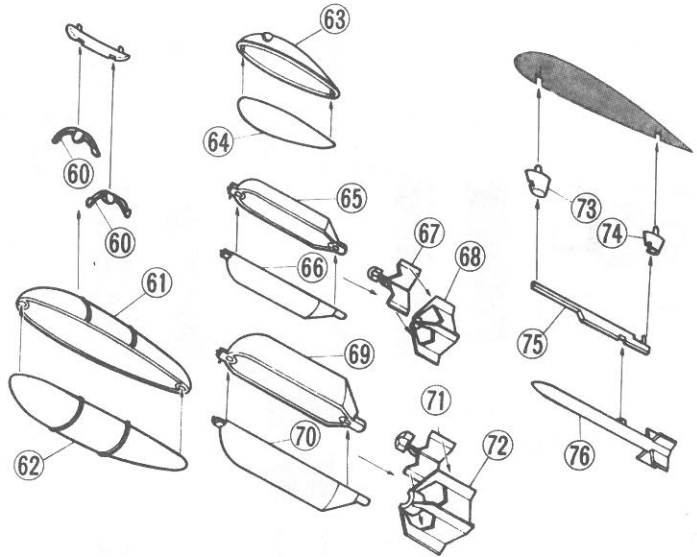
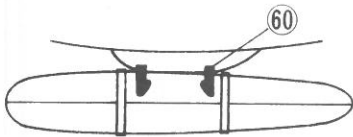
Attach wheel cover (53 or 54) and landing gear cover (49 or 50) to hangar and do the same way in back wheel cover.

《Equipment fixing position》



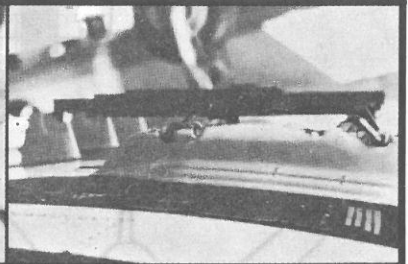
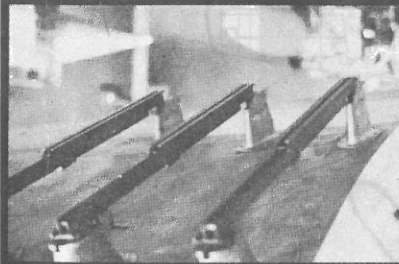
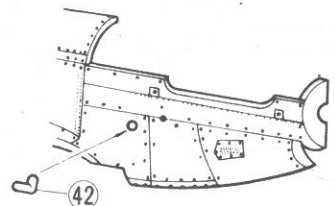
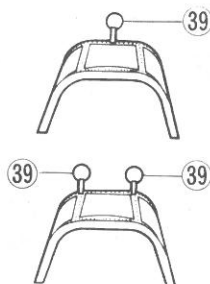
## 7 Accessory Assembly

In assembling accessories, attach pylon (56) fixed under main wing to pylon component (60) (Refer to picture below) and attach one among fuel tank for long distance, extra tank, 227Kg bomb or 454Kg bomb. Again attach rocket bomb pylon (73/74) into the hole already made and attach rocket bomb frame (75/76) (Refer to picture below)

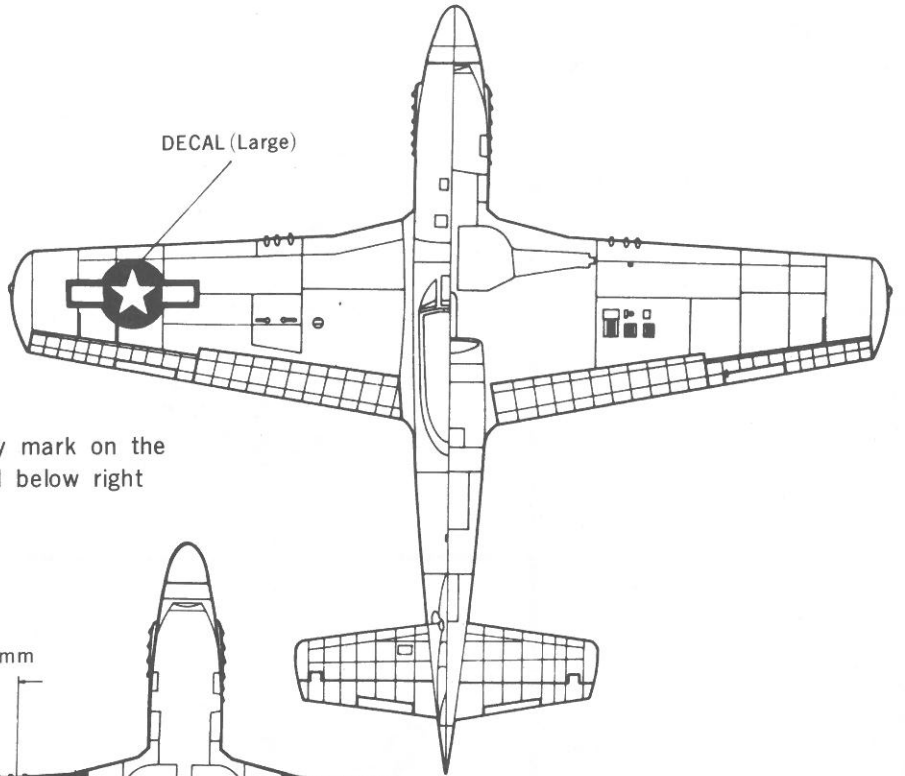


## 8 Assembling Others

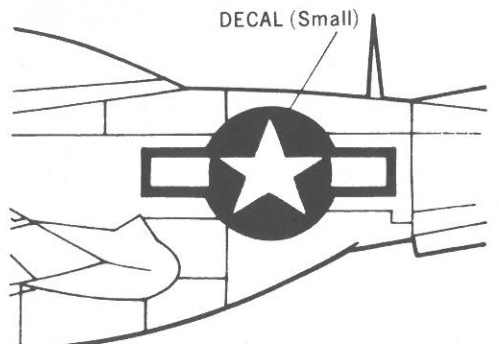
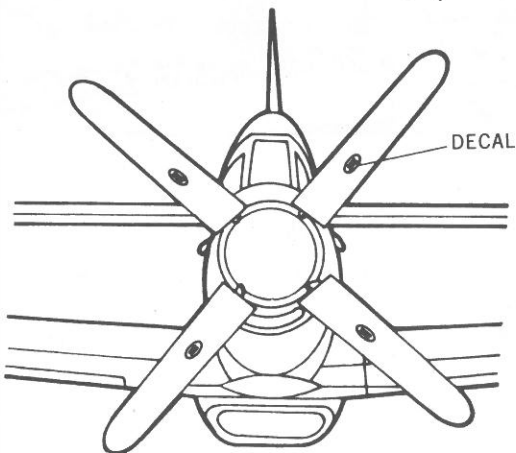
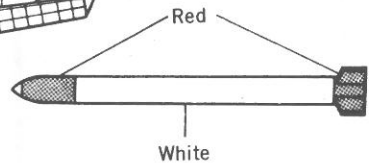
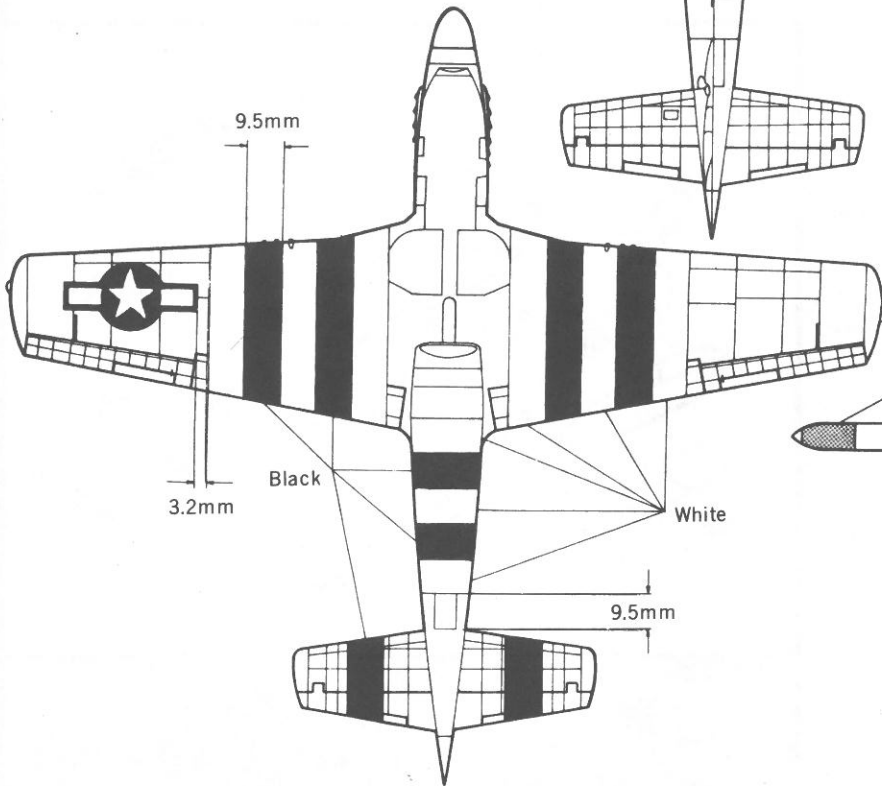
In assembly back mirror (39) or exhaust pipe (42), refer to picture. Back mirror can be attached to the central, left or right part of canopy (wind protector).



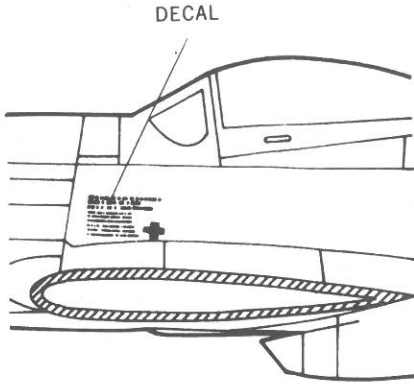
# GUIDE TO COLOR OF DECAL



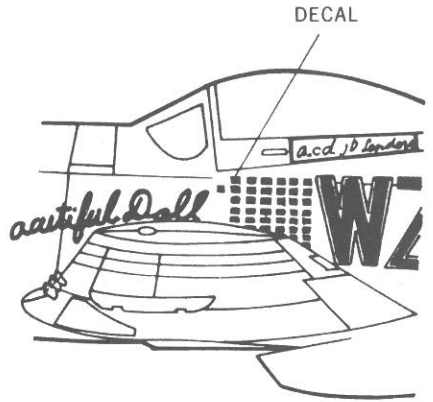
- Attach nationality mark on the left big wing and below right big wing



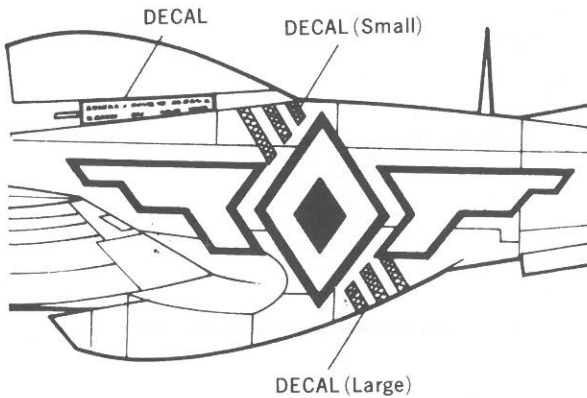
● PLANE BELONGING TO 375 COMPANY,  
361 BATTALION OF THE 8th AIR FORCE



● PLANE BELONGING TO 83 COMPANY,  
78 BATTALION OF THE 8th AIR FORCE



● PHILLIPINE AIR FORCE'S PLANE

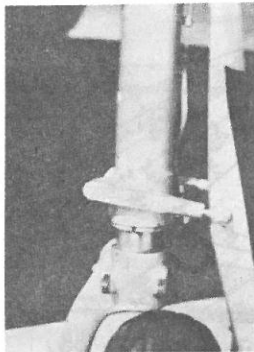
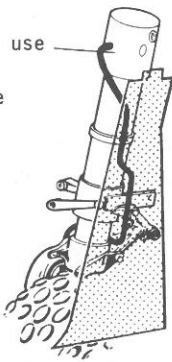


- Attach Korean Air Forces' mark representing confident bird below the muffler of engine. Again nationality mark is attached as U.S. Air Forces' mark does.

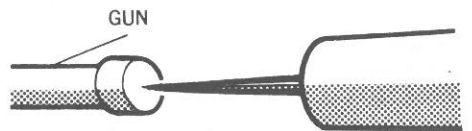
DETAILED ASSEMBLY

● HOW TO ATTACH BRAKE PIPE

Referring picture use enamel line and make brake pipe



● HOW TO MAKE A HOLE IN THE HOLE OF GUN

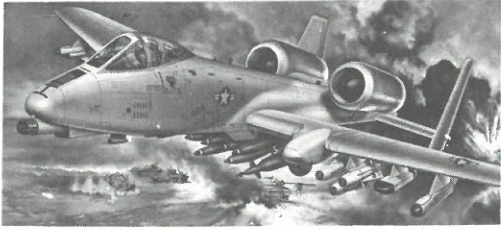


By hotted drill or 0.5φ Hand drill make a hole space of big wing.

P-51D MUSTANG MAIN FEATURE

Length	9.85m	Space of main Wing	21.6m <sup>2</sup>
Width	11.28m	Maximum Speed	706km/h Height 7,625m
Height	4.17m	Average Speed	584km/h
Weight	3,235kg	Landing Speed	161km/h
Armed Weight	4,580kg	Flying Distance	1,530km
Maximum Weight	5,260kg	Maximum flying Speed	3,686km
Engine	Bachud V-1650-77	Flying Height	12,770m
Power	1,490HP	Machinegun	12.7mm×6
Propeller	3.4m	Bomb	227kg or 454kg×2

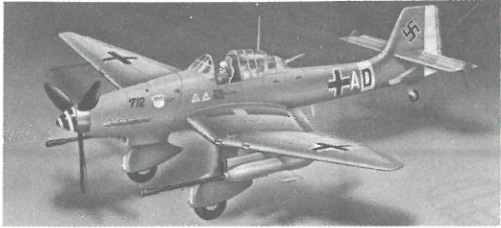
## 1/48 SCALE IDEA PLASTIC MODEL SERIES



### Fairchild A-10

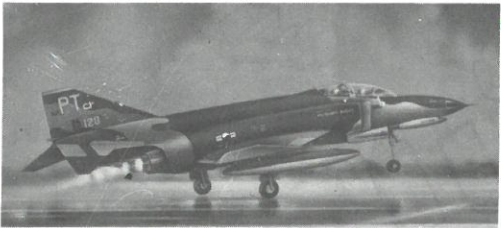
U.S. Air Force developed after suffering in guerrilla war during Vietnam War as a close support airplane instead of strategic bomber.

In low flight it had excellent movability and is well armed against ground and air fire.



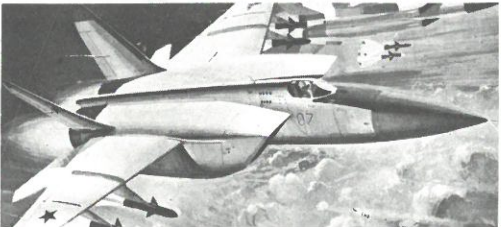
### Ju 87 G-1 STUKA

German Forces who had against Soviet tank's brisk performance during World War II improved and manufactured this plane as a specialized counter tank named G-Type Gustaf featuring siren and bomb drop.



### F-4E PHANTOM II

Fighting bomber of U.S. Air Forces, was developed from F-4B, C, D. From Oct. 1967, it was allotted into actual war to promote maximum effect of fighting in sky by fixing BALKAN CANNON.



### MIG-25 FOX BAT A

Soviet manufactured to defeat U.S. F-4 phantom.

Big twin fighter of Mach 3 speed.

Faster speed than Phantom.

Poor performance in air combat

Loading air-to-air missile under wings.

## 1/48 & 1/100 SCALE IDEA PLASTIC MODEL SERIES



### F4U-4 CORSAIR

Carrier aircraft with high capability and speed which participated in the actual war since April 1944.

Good ground attack with 8 cannons under the wing.

Nick name: "Lover of Okinawa," "Whisper of Death"



### F-86 SABRE & MIG-15

Participated in the Korean War for the first time.

Outperformed Mig-15 of Communist in a ratio of 14 to 1. Mig-15 plane also joined Korean War and achieved its excellent capability as a Soviet fighter.





KK

P-51D MUSTANG



信念の鳥人!  
信念の鳥人!



E2 S E2 S

413926

413926