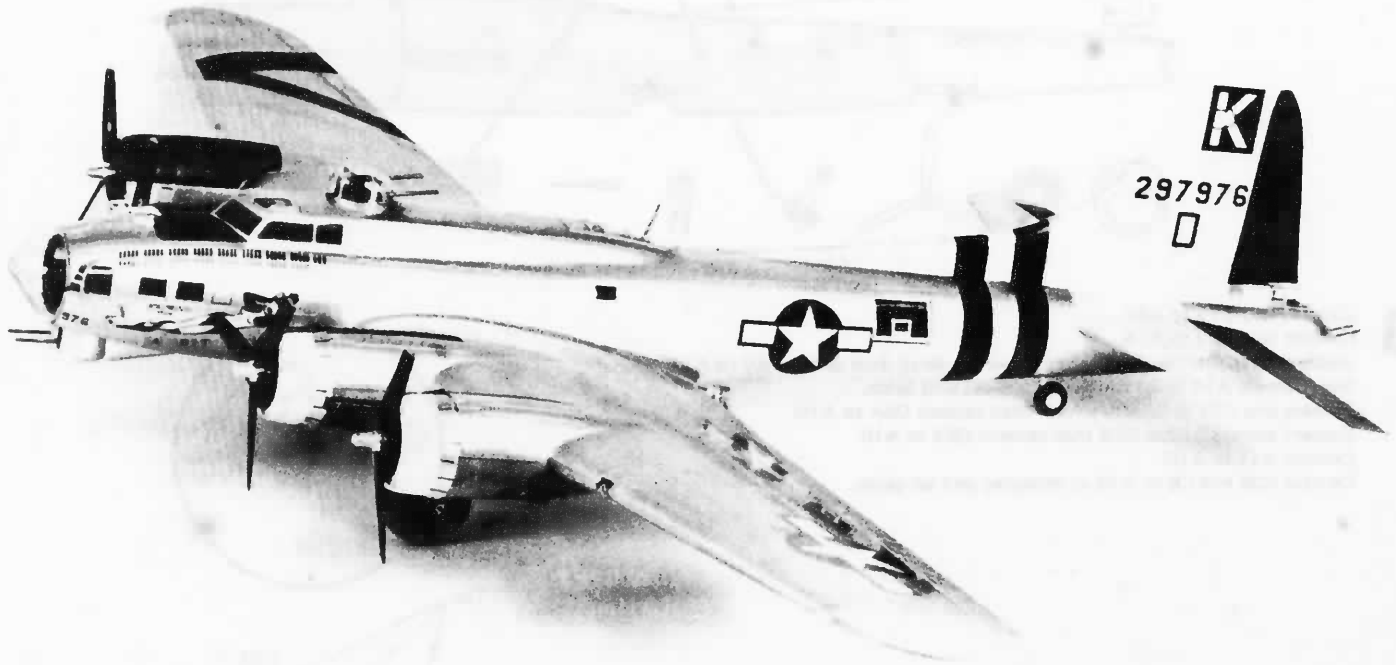


# BOEING B-17G FLYING FORTRESS

1/72 SCALE  
113



When the U.S. Army Air Corps began its relentless bombing of Germany during the Second World War, its chief load-carrier was Boeing's sturdy, reliable B-17. When it first appeared in 1934 it bristled with so much armament (five machine guns) it was considered a veritable flying fortress. Ten years later, the Flying Fortress sported twelve .50 cal. machine guns and carried 6,380 rounds of ammunition, truly living up to its name.

The first B-17 tried its wings on July 28, 1935. In 1936, Boeing entered their big plane in an Air Corps competition for a new twin-engine bomber. Despite its size, the four-engine B-17 was 33 mph faster and could carry more than twice the bomb load of the two-engine Douglas B-18, winner of the competition. Although losing the competition, Boeing was awarded a development contract for their revolutionary bomber on the basis of its impressive performance. Production contracts were soon to follow.

By the beginning of World War II, the Flying Fortress had already been developed through several model changes, including the addition of belly and tail turrets plus a large, distinctive dorsal fin. Because of the added armament and increased weight the definitive version of the Fortress, the B-17G, could carry only 4,000 lbs. of bombs but had a top speed of 287 mph. Between Boeing, Douglas and the Vega division of Lockheed, 8,680 B-17G's were produced. Many of these planes were fitted with a power-operated tail turret which was applied by United Air Lines at Cheyenne, Wyoming. These were known as Cheyenne Turrets.

The performance of the Flying Fortress during the war is legendary. It had an unearthly ability to withstand battle damage. Often B-17's returned from missions with great portions missing; half the horizontal stabilizer blown away; the fuselage torn almost in half, supported only by threads of metal. Sometimes an engine would be gone or the entire crew injured, yet the big bird brought them home. Of course many did not return, but the Fortress was nonetheless beloved by her crews.

The B-17 was excellent as a precision bomber and carried in her nose one of the most remarkable devices used in the war. Shrouded in absolute secrecy was the Norden bomb sight which guided the bomber on its unerring course during the critical run over the target. This bomb sight became a legend in its own right and was an important fixture on American bombers during the war.

## CHARACTERISTICS:

**DIMENSIONS:** Wingspan 103 feet 9 inches, length 74 feet 4 inches.

**POWERPLANT:** Four supercharged Wright R-1820-97 Cyclone engines of 1,200 hp. each.

**PERFORMANCE:** Maximum speed 287 mph, cruising speed 182 mph, ceiling 35,600 feet, range 3,400 miles.

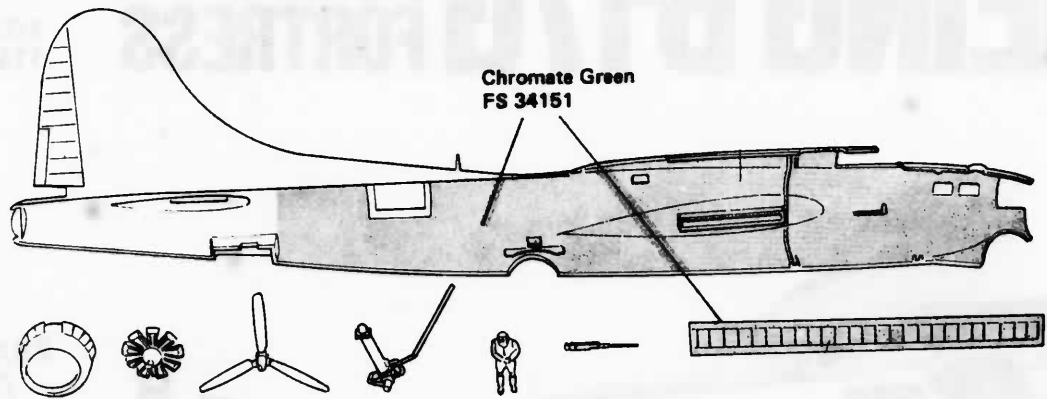
**ARMAMENT:** Twelve .50 cal. machine guns, 4,000 lbs. of bombs.

MINICRAFT MODELS, INC  
1510 W. 228th STREET  
TORRANCE, CA 90501



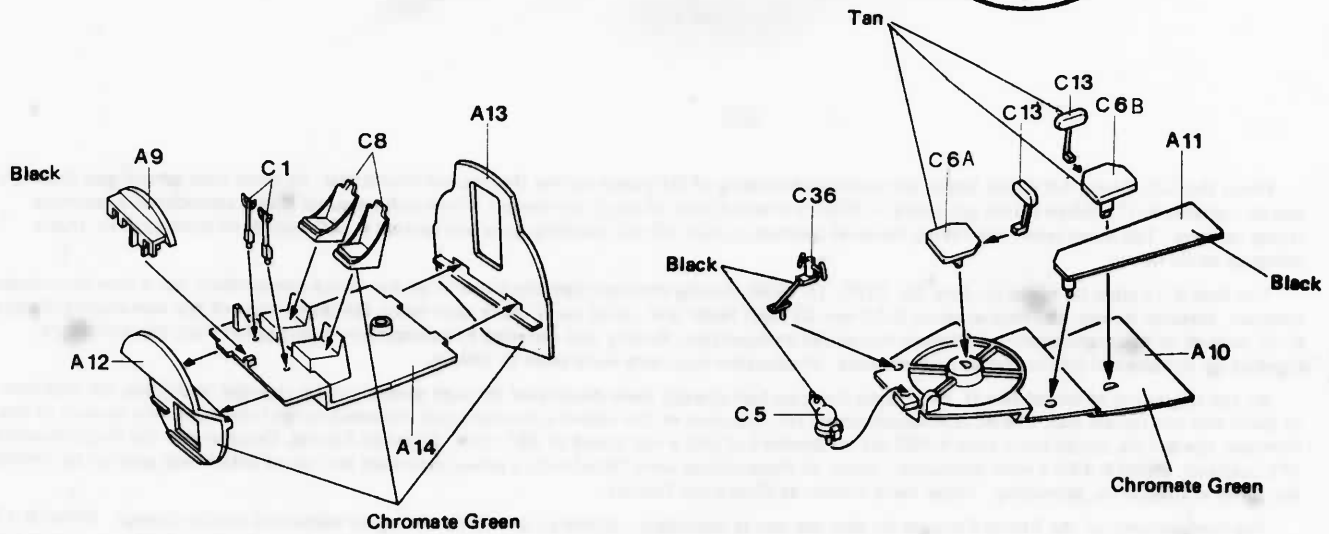
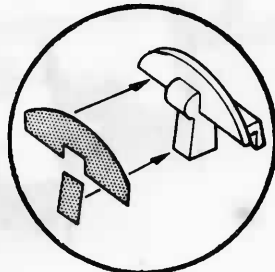
1

For greater realism, these parts should be painted before assembly. Detailed painting instructions can be found elsewhere in this assembly manual.



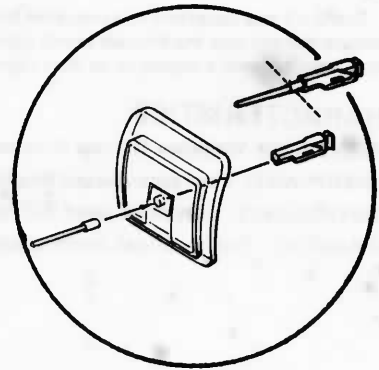
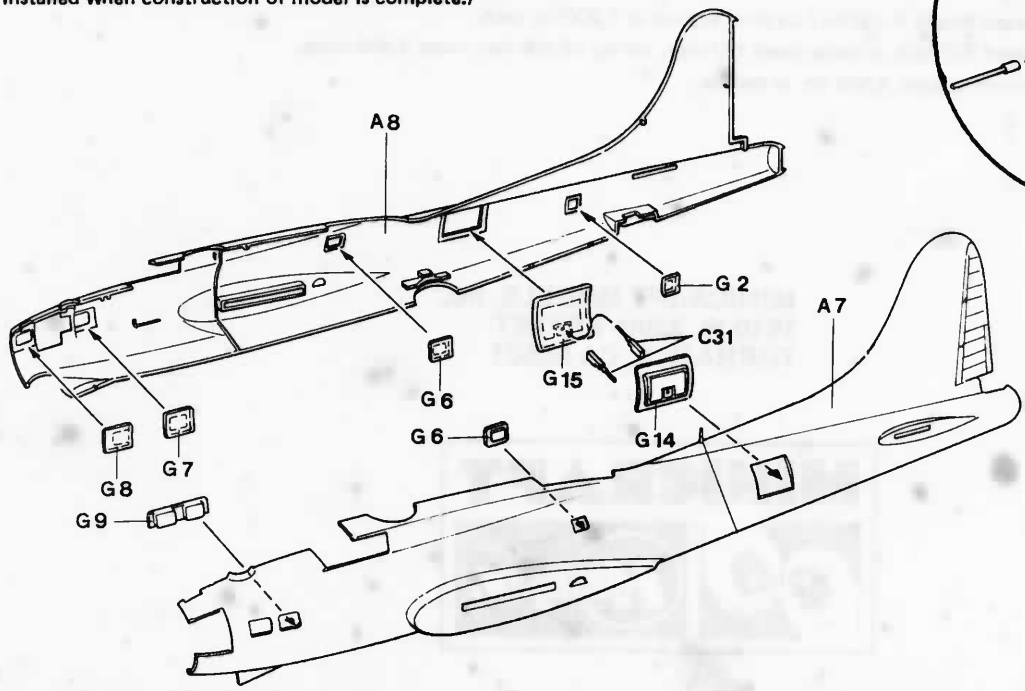
2

Cement two C1's to A14.  
 Cement two C8's to A14.  
 Apply instrument decals to A9 as shown in detail then cement A9 to A14.  
 Now cement A14 to A12 and A13 and set unit aside.  
 Cement one C13 to C6A as shown then cement C6A to A10.  
 Cement second C13 to C6B then cement C6B to A10.  
 Cement A11 to A10.  
 Cement C36 and C5 to A10 as indicated and set aside.



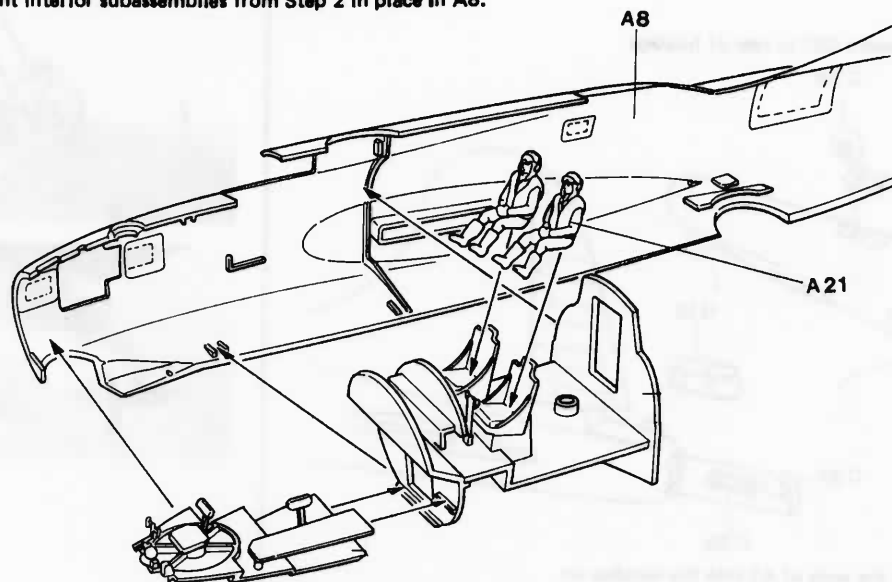
**3**

Cement windows G2, G6, G7, G8 and G15 in positions shown on A8.  
Cement windows G6, G9 and G14 into A7 as shown.  
(Note: To avoid breaking gun barrels while completing model assembly,  
cut as shown and cement inside part in place. Barrels may then be  
installed when construction of model is complete.)



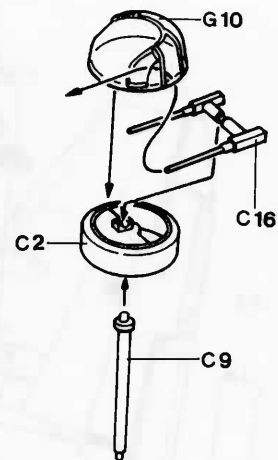
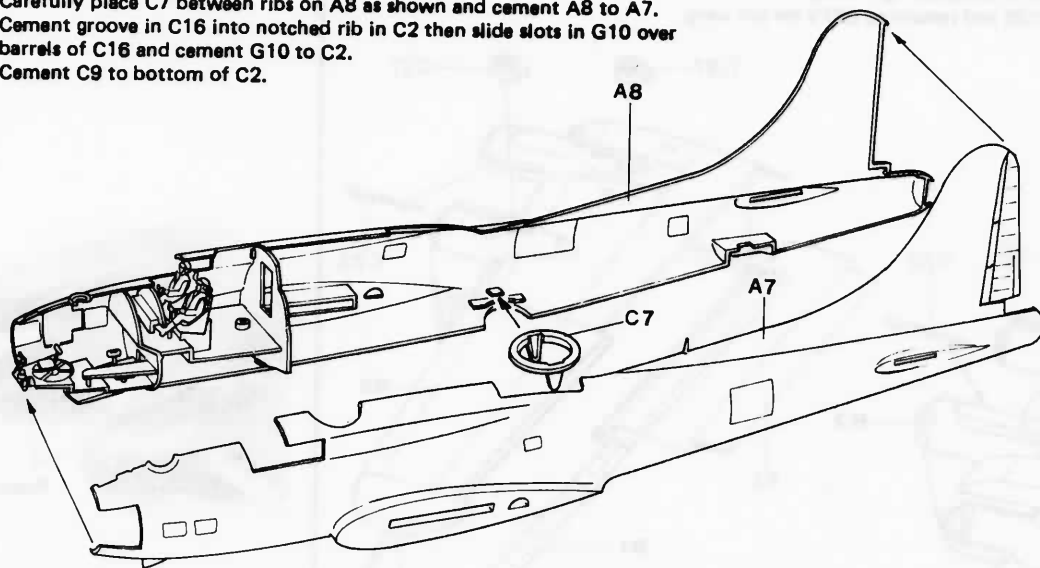
# 4

Cement an A21 into each pilot seat.  
Cement interior subassemblies from Step 2 in place in A8.

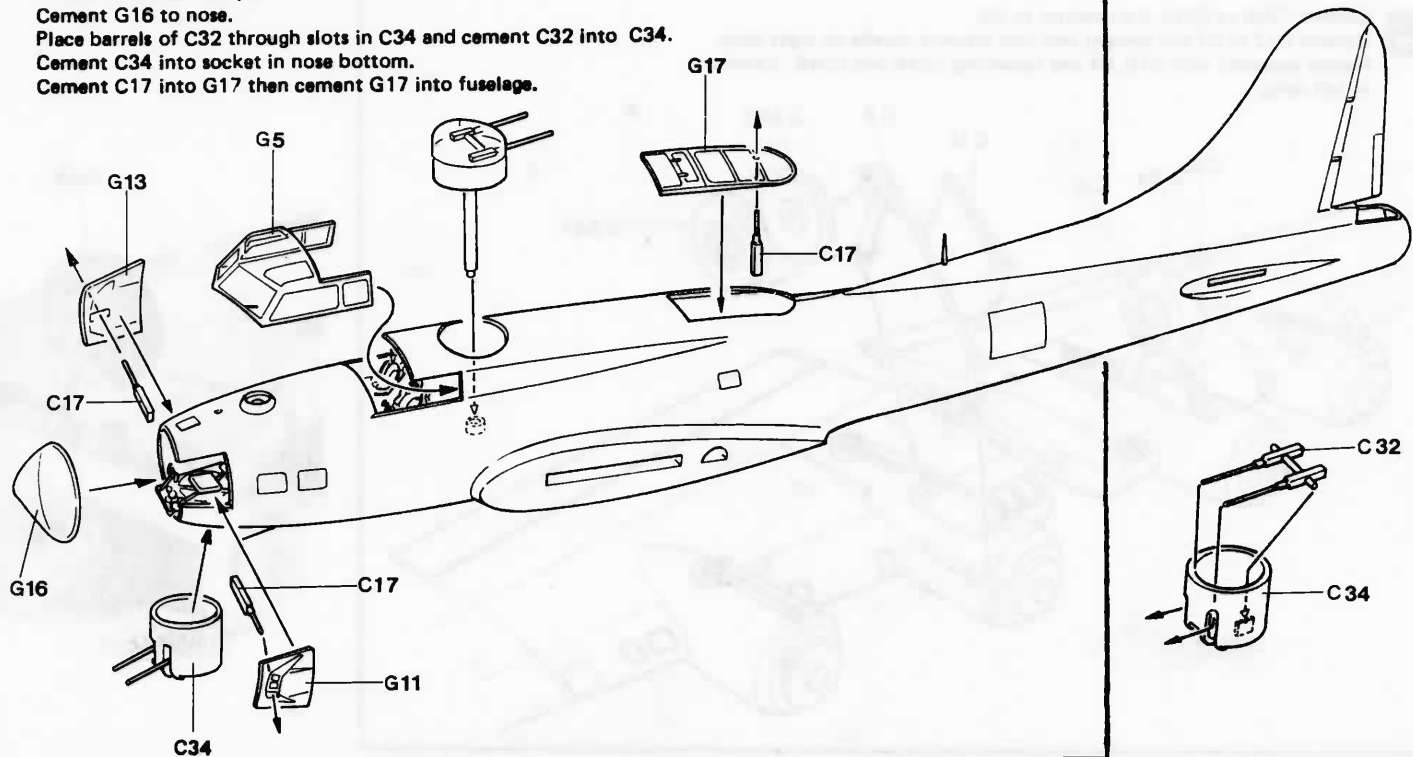


# 5

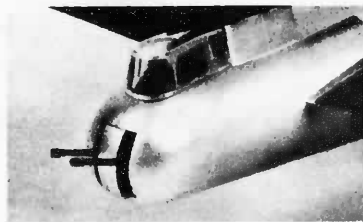
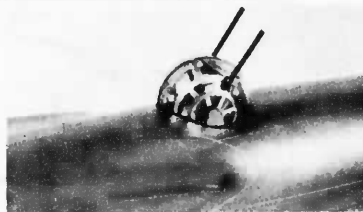
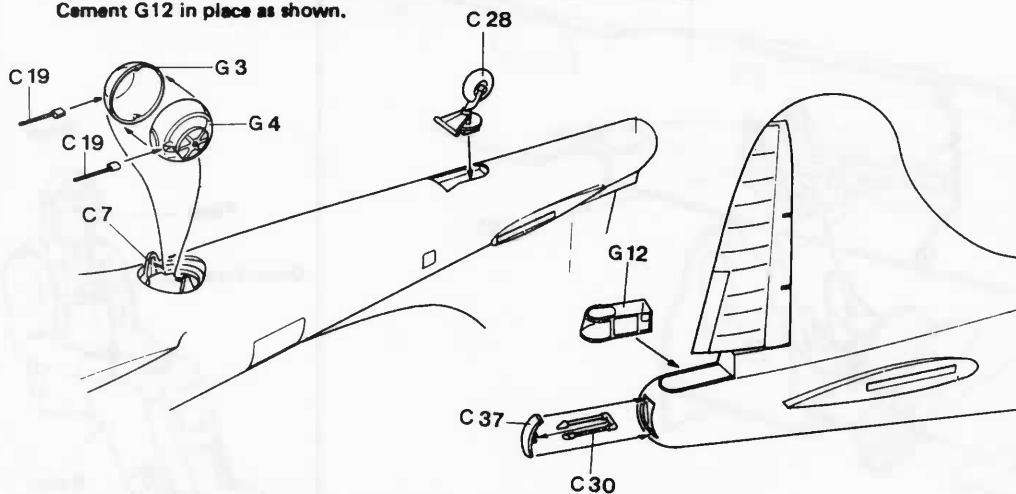
Carefully place C7 between ribs on A8 as shown and cement A8 to A7.  
Cement groove in C16 into notched rib in C2 then slide slots in G10 over barrels of C16 and cement G10 to C2.  
Cement C9 to bottom of C2.



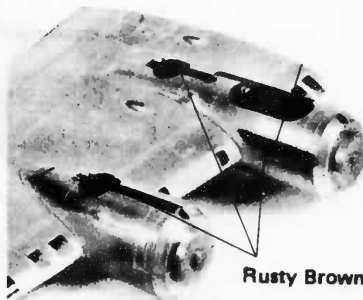
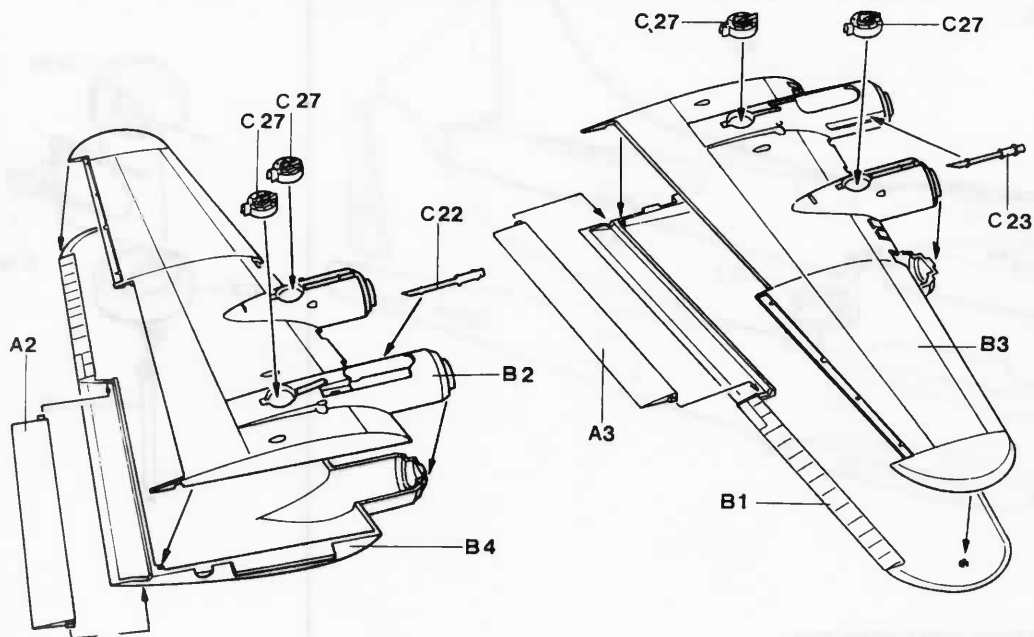
- 6** Cement C17 into G13 and cement G13 into right fuselage nose.  
 Cement C17 through G11 and cement G11 to left nose.  
 Place a drop of cement on end of shaft (C9) of upper turret and cement shaft into socket on cockpit floor inside fuselage.  
 Cement G5 over cockpit.  
 Cement G16 to nose.  
 Place barrels of C32 through slots in C34 and cement C32 into C34.  
 Cement C34 into socket in nose bottom.  
 Cement C17 into G17 then cement G17 into fuselage.



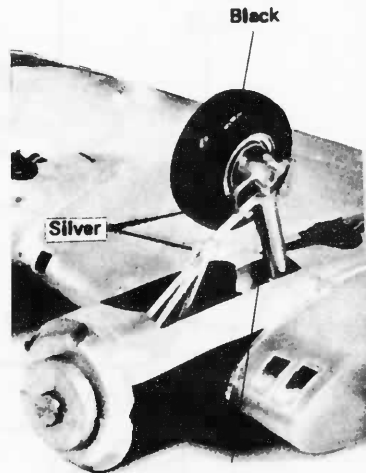
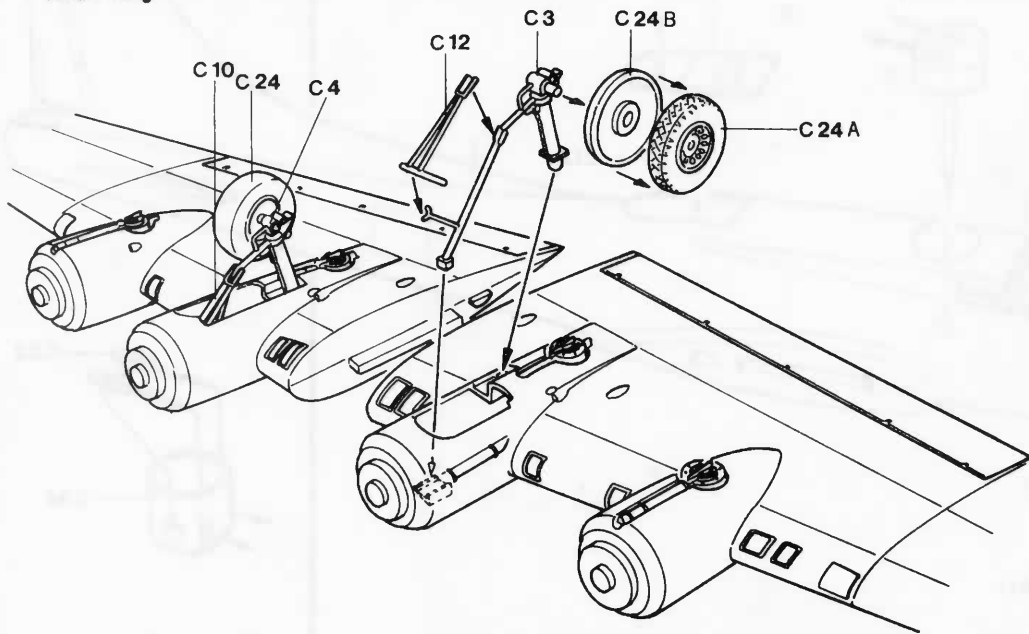
- 7** Cement G3 and G4 together then cement two C19's in place. Carefully spread prongs on C7 protruding from fuselage bottom and snap pins on turret into grooves in C7. Cement C28 into tail wheel well. Place C37 between barrels of C30 and cement C37 to rear of fuselage. Cement G12 in place as shown.



- 8** Lay B4 face down and place the pins on the ends of A2 into the notches on B4 as shown by arrows in diagram. Now cement B2 to B4, being careful not to allow cement to touch A2 or flaps will not work. Cement C22 to outside edge of inboard nacelle on B2. Cement one C27 to each nacelle to complete right wing. Repeat with parts B1, A3, B3, C23 and remaining C27's for left wing.

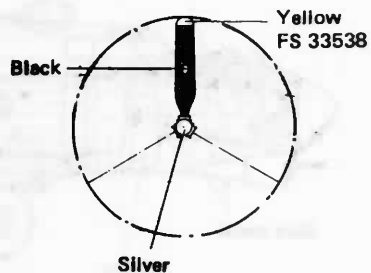
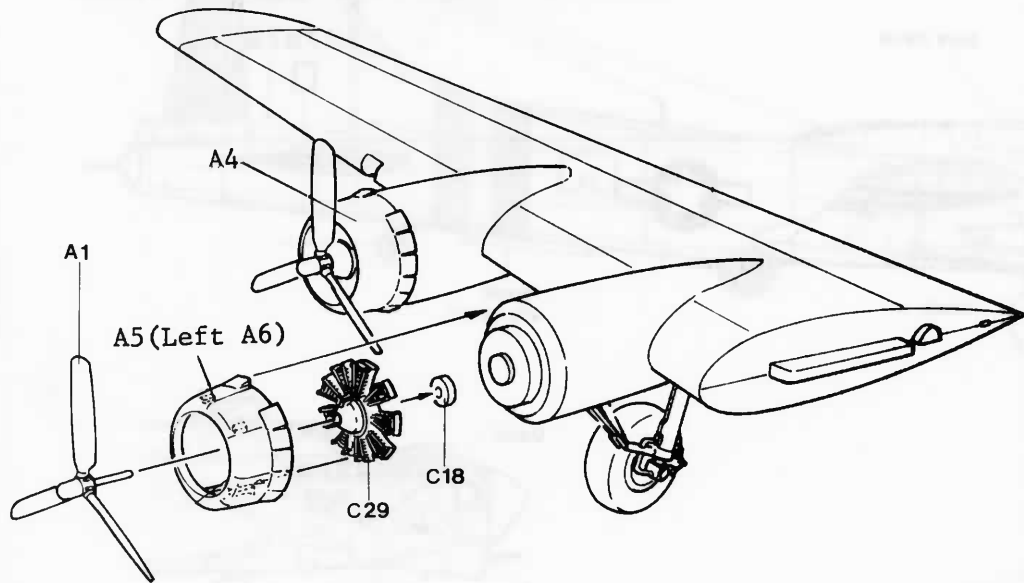


- 9** Cement C24B to C24A then cement to C3.  
Cement C12 to C3 and cement unit into inboard nacelle on right wing.  
Repeat assembly with C10, C4 and remaining C24A and C24B. Cement  
to left wing.

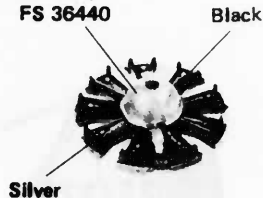


**10**

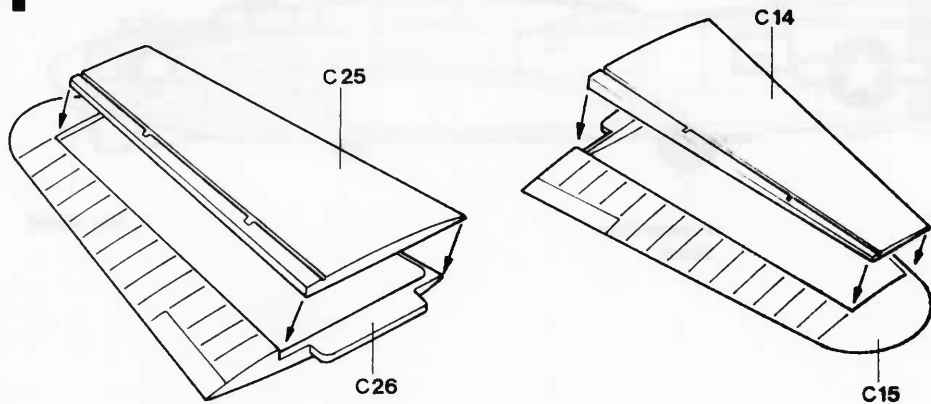
Cement C29 into A5.  
 Slide shaft on A1 through hole in C29 and carefully cement C18 to end of shaft.  
 Cement A5 to front of right inboard nacelle as shown.  
 Repeat for inboard left engine using cowling A6.  
 For both outboard nacelles assemble engines using cowling A4.



Lt. Gray  
 FS 36440

**11**

Cement C25 to C26. Cement C14 to C15.





# 12

Cement wing and stabilizer assemblies to fuselage.

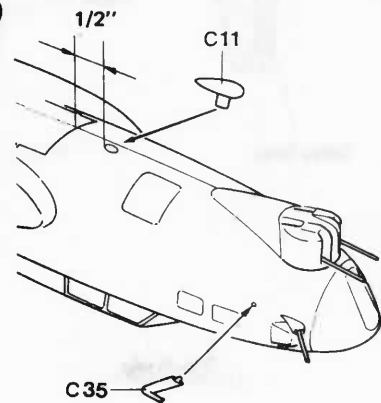
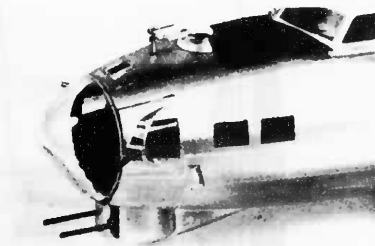
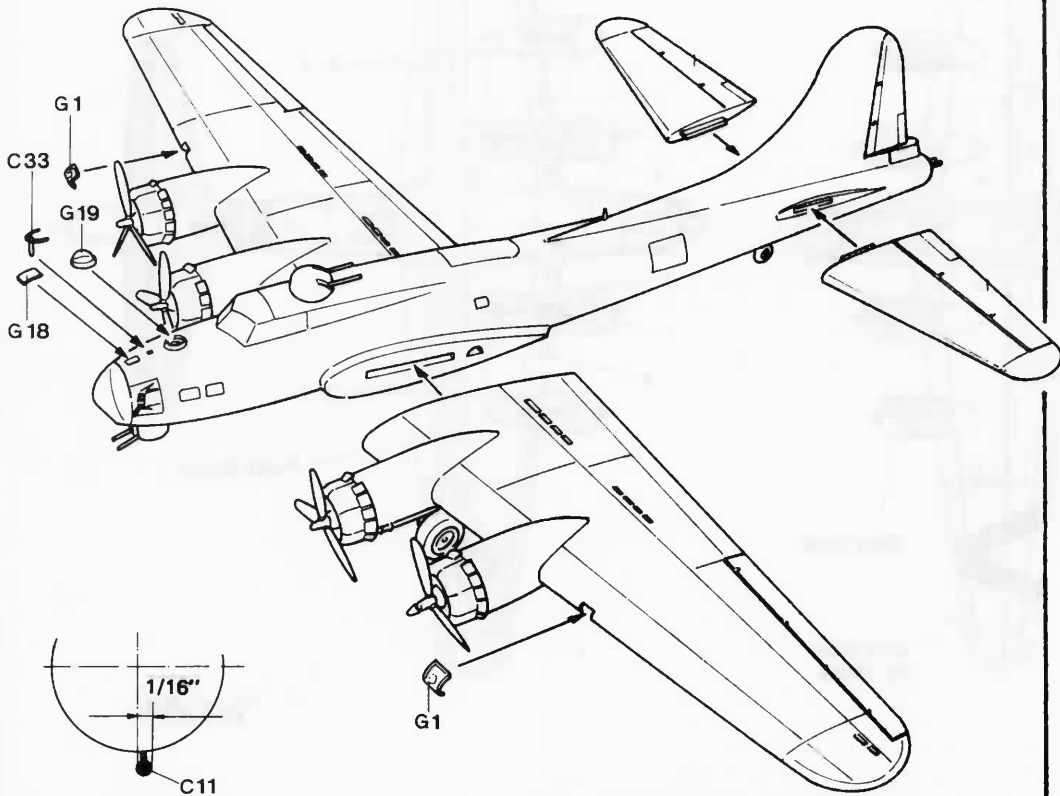
Cement G18, G19 and C33 to nose in positions shown.

Cement one G1 to each wing.

Cement C11 to the left fuselage 1/16" from centerline, 1/2" in front of bomb bay.

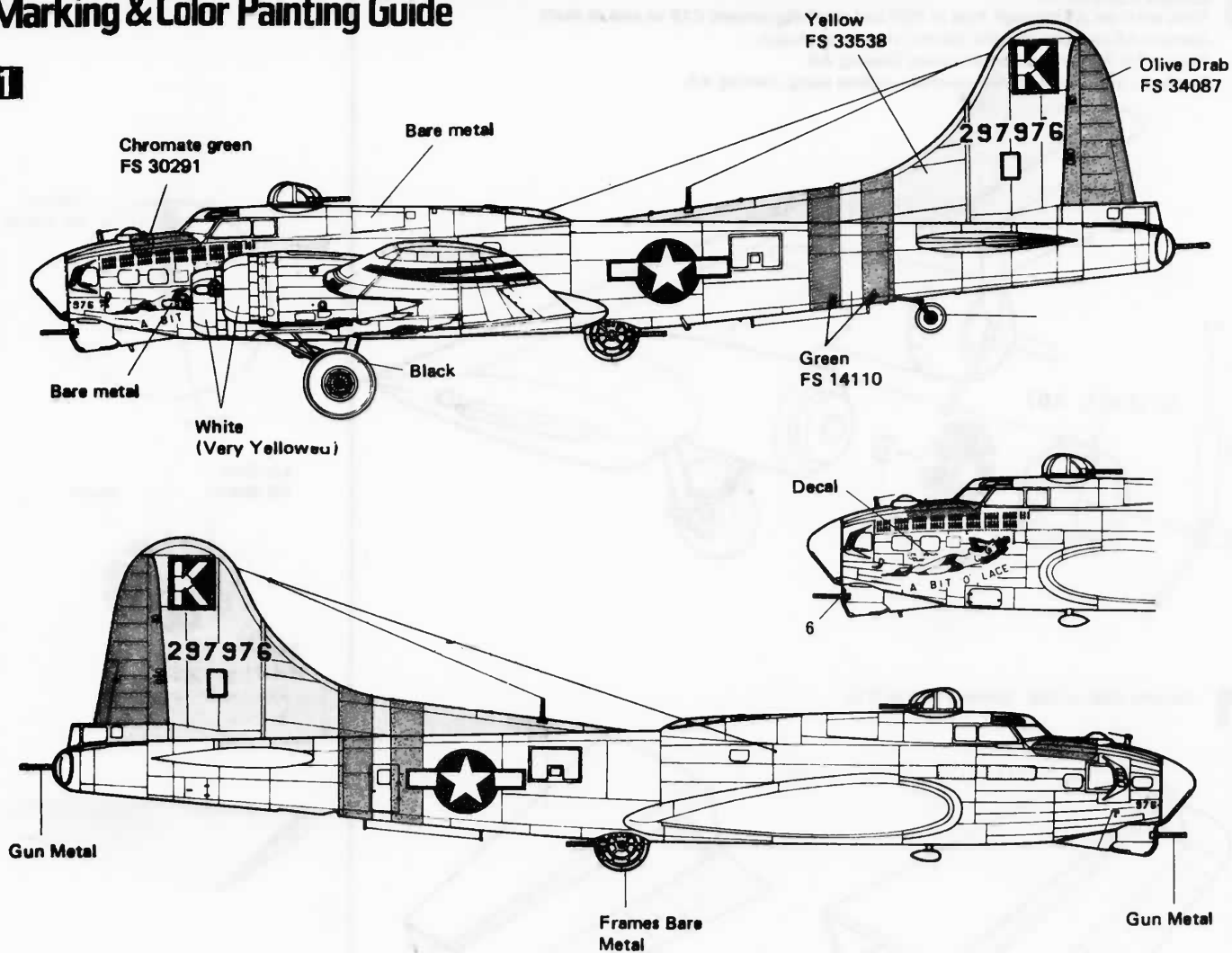
Cement C35 to left fuselage nose.

(Don't forget to cement gun barrels to waist gun positions.)



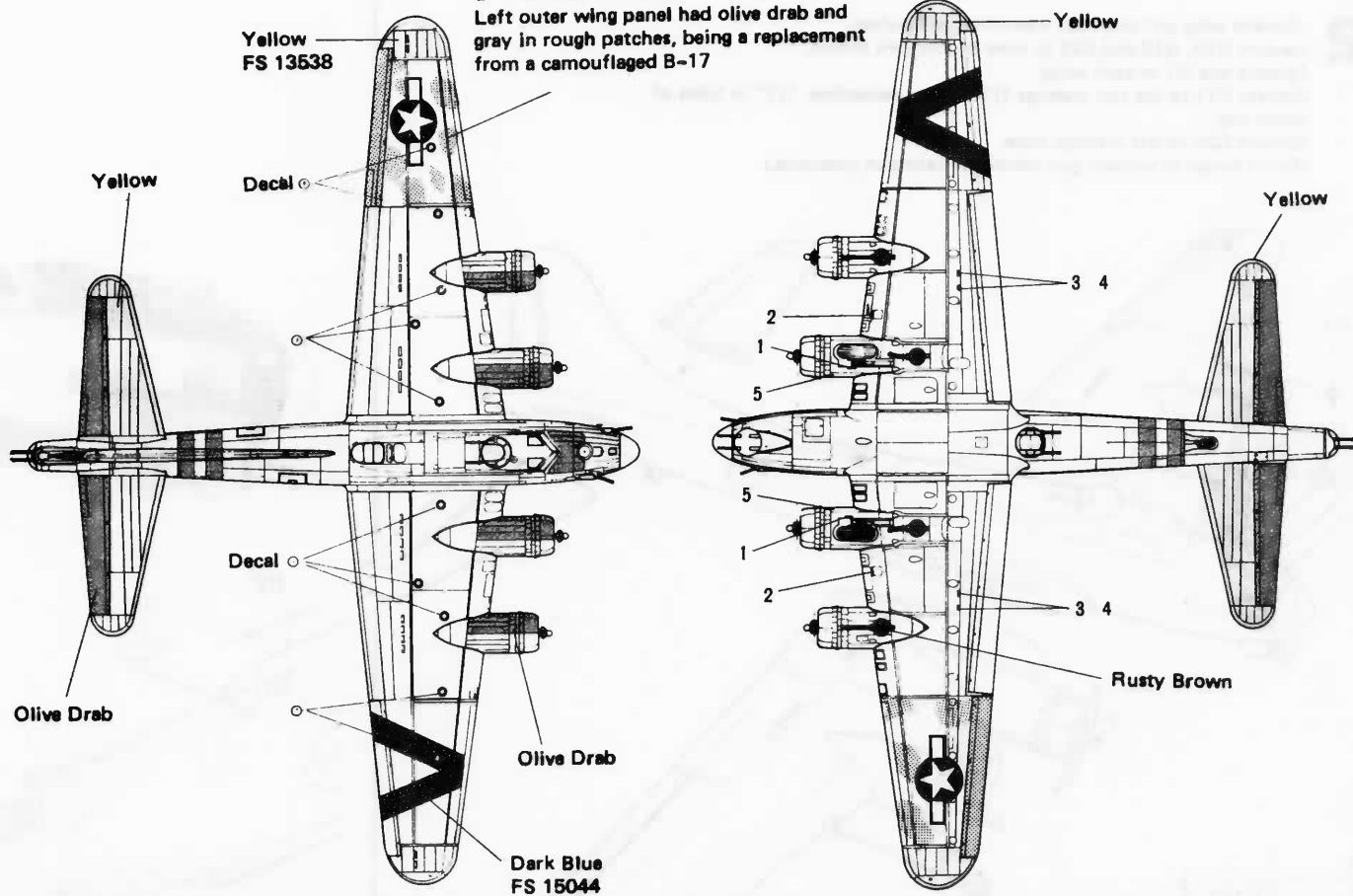
# Marking & Color Painting Guide

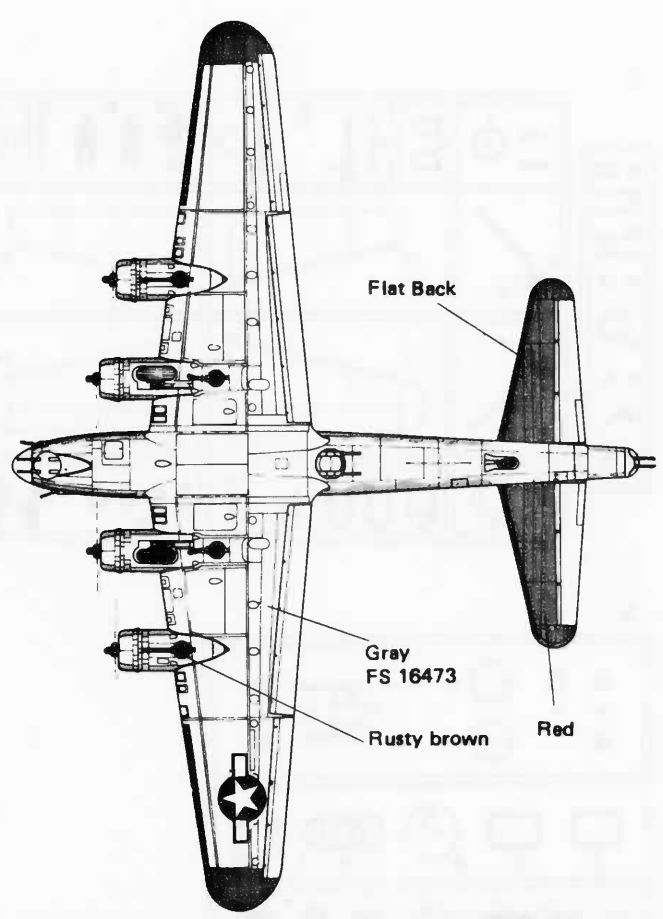
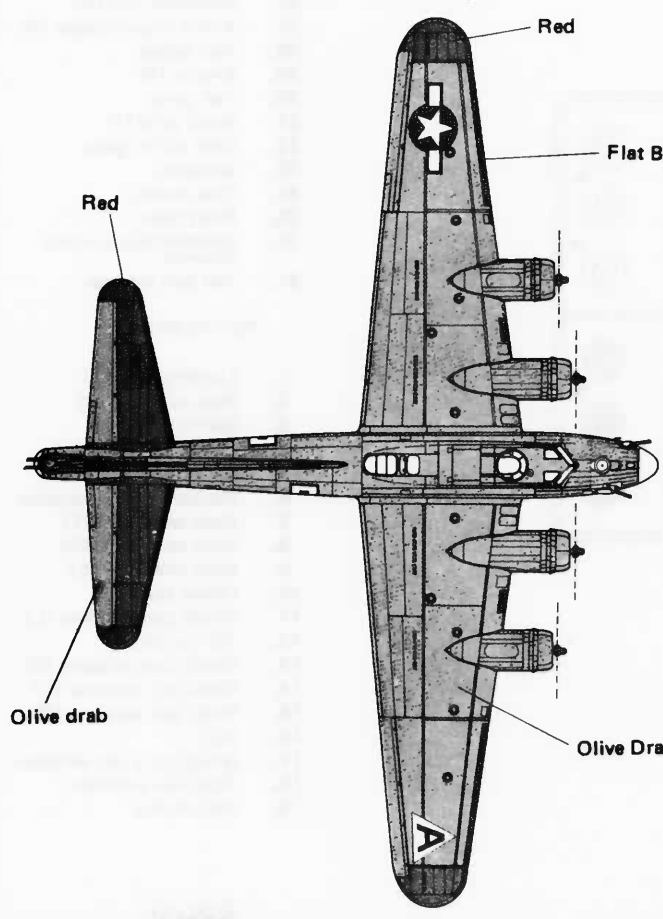
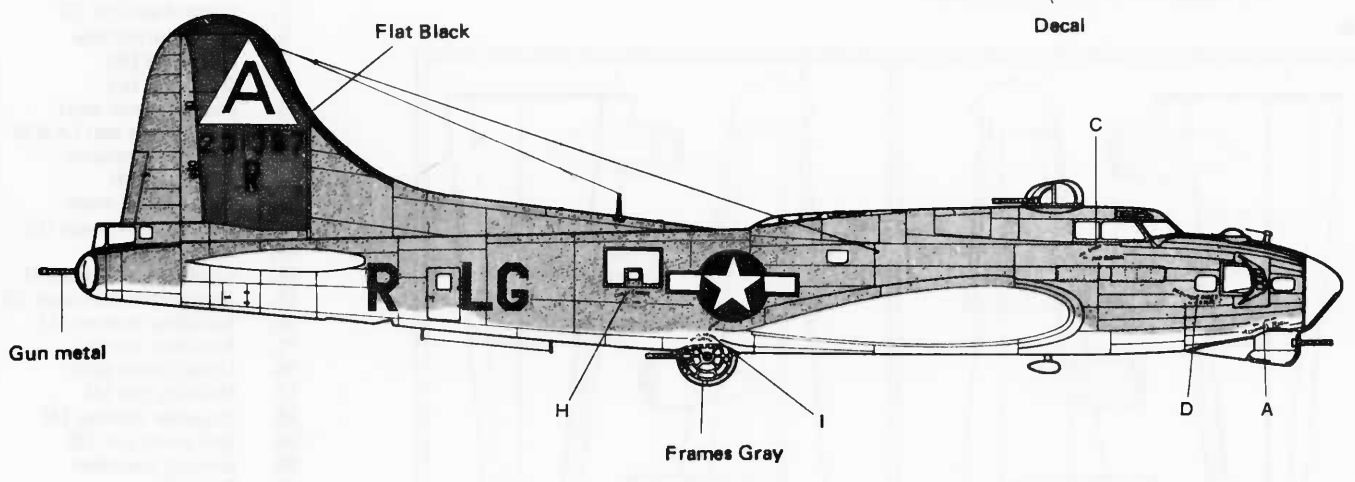
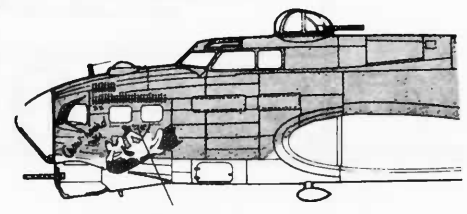
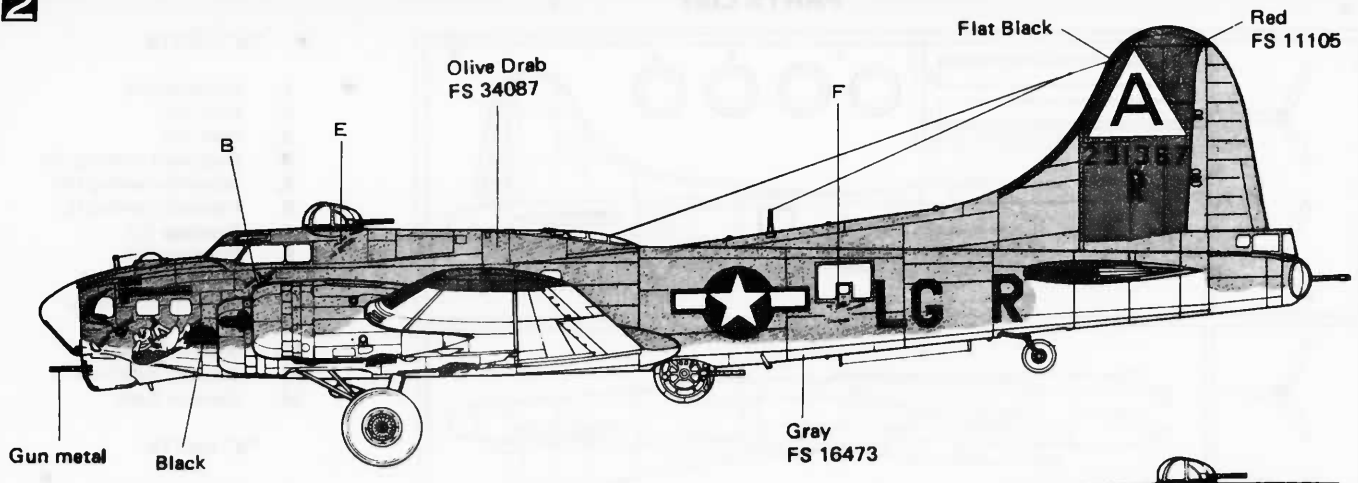
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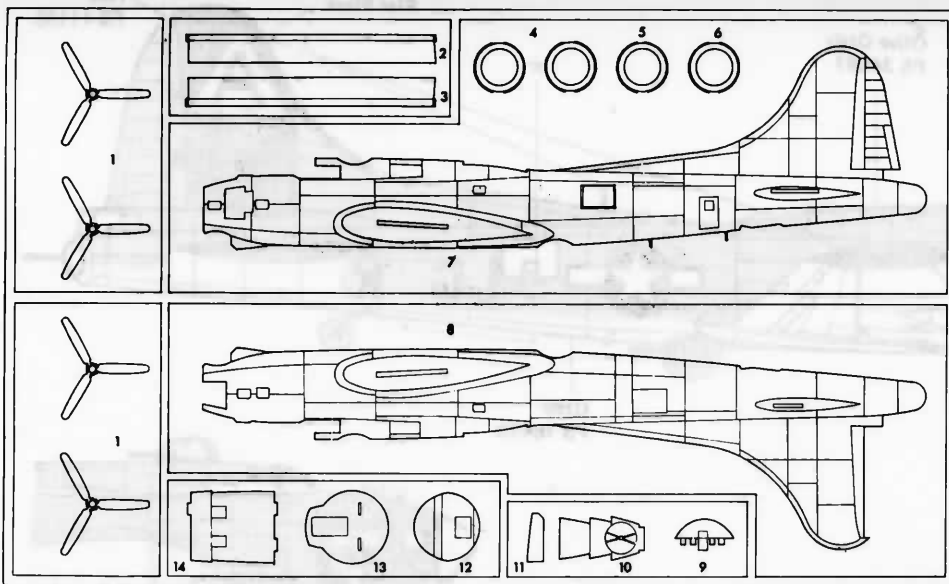
## B-17G A BIT O' LACE

Left outer wing panel had olive drab and gray in rough patches, being a replacement from a camouflaged B-17





**PARTS LIST**



**"A" PARTS**

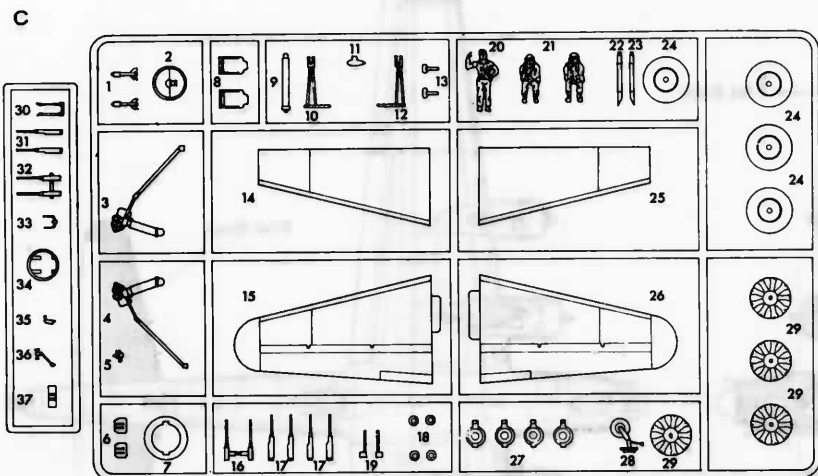
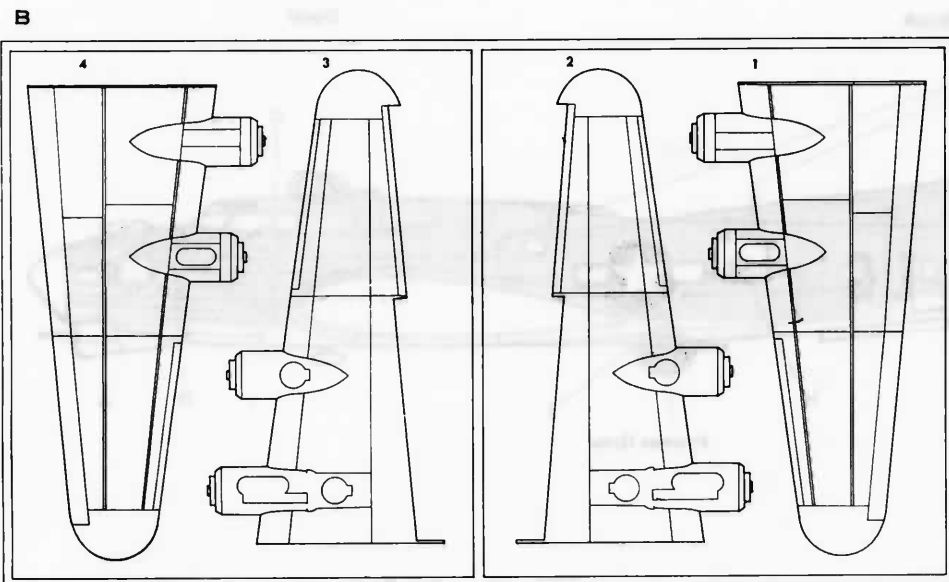
1. Propeller (4)
2. Flap (L)
3. Flap (R)
4. Outboard cowling (2)
5. Inboard cowling (R)
6. Inboard cowling (L)
7. Fuselage (L)
8. Fuselage (R)
9. Instrument panel
10. Bombardier's floor Shelf
11. Shelf
12. Nose bulkhead
13. Cockpit bulkhead
14. Cockpit floor

**"B" PARTS**

1. Upper left wing
2. Lower right wing
3. Lower left wing
4. Upper right wing

**"C" PARTS**

1. Control column (2)
2. Upper turret base
3. Gear strut (L)
4. Gear strut (R)
5. Norden bomb sight
6. Bombardier seat (A & B)
7. Ball turret retainer
8. Pilot seats (2)
9. Upper turret shaft
10. Landing gear brace (L)
11. Antenna fairing
12. Landing gear brace (R)
13. Bombardier seat back (2)
14. Stabilizer bottom (L)
15. Stabilizer top (L)
16. Upper turret guns
17. Machine gun (4)
18. Propeller retainer (4)
19. Ball turret gun (2)
20. Ground crewman
21. Pilot (2)
22. Exhaust pipe (R)
23. Exhaust pipe (L)
24. Wheel (2 ea. A & B)
25. Stabilizer bottom (R)
26. Stabilizer top (R)
27. Turbo supercharger (4)
28. Tail wheel
29. Engine (4)
30. Tail guns
31. Waist guns (2)
32. Chin turret guns
33. Antenna
34. Chin turret
35. Pitot tube
36. Bombardiers control column
37. Tail gun retainer



**"G" PARTS**

1. Landing light (2)
2. Rear window (R)
3. Ball turret half
4. Ball turret half
5. Windshield
6. Navigators side window
7. Nose window (RF)
8. Nose window (RR)
9. Nose windows (L)
10. Upper turret
11. Cheek gun window (L)
12. Tail turret
13. Cheek gun window (R)
14. Waist gun window (L)
15. Waist gun window (R)
16. Nose
17. Navigator's top window
18. Top nose window
19. Astrodome

