

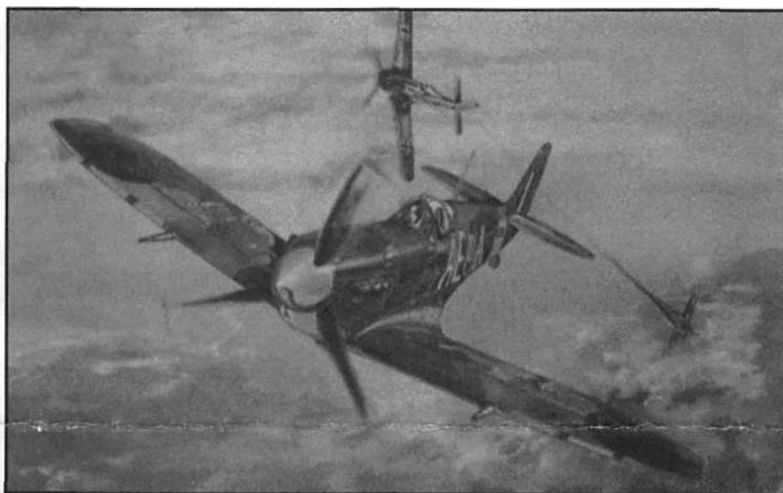
# PRO MODELER™

by Revell-Monogram

KIT 5941

## SUPERMARINE SPITFIRE MK Vb

1/72 SCALE MASSTAB 1:72 ESCALA 1/72 1/72 ECHELLE



Considered to be a classic design in aviation history, Supermarine's Spitfire became the most famous British fighter produced during World War II. Beginning with the early versions that fought alongside the Hawker Hurricanes in the desperate Battle of Britain in 1940, the Spitfire was continually improved as the war progressed. More than a dozen major variants and sub-variants became operational during the war. Some Spitfires were also built for use by the Royal Navy and these were known as Seafires.

The Spitfire Mk V was a direct descendant of the Mk I and Mk II. The airframe was essentially the same, but the fuselage was strengthened so that a more powerful Rolls-Royce Merlin engine could be fitted. During Mk V production, the fabric which covered the ailerons was replaced with a metal skin.

There were several sub-variants of the Spitfire Mk V, and your ProModeler kit represents the Mk Vb. This version was armed with four .303-inch Browning machine guns with 350 rounds of ammunition for each weapon. Additionally two 20-mm Hispano cannon were also fitted, and circular ammu-

nition drums provided sixty rounds for each cannon.

Two different wing tip designs were used on Spitfire Mk Vs. Most had the standard elliptical tip, but some had a clipped tip which was made out of wood. This shortened the wing span and thereby increased the aircraft's roll rate, although ceiling and rate of climb were slightly reduced. Both tip designs are included in this ProModeler kit as optional parts.

The decal sheet provides markings for three different Spitfire Mk Vbs. One is the aircraft flown by Wing Commander John A. Kent, who was the leader of the Polish Wing based at Northolt, Middlesex, England, during the summer of 1941. A few Spitfires were also flown by some U. S. Army Air Force units, and the second set of markings is for a Mk Vb that was operated by the 107th Reconnaissance Squadron of the 67th Reconnaissance Group. This USAAF squadron operated from Membury, U. K., in 1942. The third option is a Spitfire Mk Vb with the clipped wing tips. This aircraft was assigned to 402 Squadron which was based at Duxford during 1943. It was flown by S/L Jeff Northcott.

### READ THIS BEFORE YOU BEGIN

- Study the assembly drawings.
- Each plastic part is identified by a number.
- Scrape plating from areas to be cemented.
- Check the fit of each piece before cementing into place.
- Do not use too much cement to join parts.
- Use only cement for polystyrene plastic.
- Models may be painted to match photos on box.
- Allow paint to dry thoroughly before handling parts.
- Scrape paint from areas to be cemented.
- For better paint and decal adhesion, wash the plastic parts in a mild detergent solution. Rinse and let air dry.

### LISEZ CE QUI SUIT AVANT DE COMMENCER LE MONTAGE

- Etudier les schémas d'assemblage.
- Chaque pièce plastique porte un numéro d'identification.
- Grattez le chromage sur les surfaces à coller.
- Contrôler que chaque pièce soit bien cinfirmé avant de la coller à sa place.
- N'utilisez pas trop de colle pour réunir les pièces.
- Utilisez uniquement une colle spéciale pour polystyrène.
- Le modèle peut être peint conformément aux photos surboite.
- Laissez sécher la peinture complètement avant de manipuler les pièces.
- Grattez la peinture sur les surfaces devant être collées.
- Pour assurer la meilleure adhésion possible de la peinture des décalomanies, laver les pièces de plastique avec une légère solution savonneuse. Rinse et laisser sécher à l'air.

### LEA ESTO ANTES DE EMPEZAR

- Estudie los dibujos de ensamble.
- Cada pieza de plástico se identificapor un número.
- Raspe el laminado de las superficies que serán pegadas.
- Verifique que cada pieza encaje bien antes de posición.
- No use demasiado pegamento para unir las piezas.
- Use únicamente pegamento paraplastico de poliestitina.
- El modelo puede pintarse de acuerdo con las fotografías de la caja.
- Permita que se seque la pintura completa mente antes de tocar las piezas.
- Raspe la pintura de las superficiea que serán pegadas.
- Para una mejor fijacion de la pintura y de las calcomanias lávenselas piezas plásticas en una solución de detergente suave. Enjuague y dejense secar al aire.

### ALLGEMEINE HINWEISE

- Die Anordnung der Bauteile ist den Zeichnungen der Anleitung ersichtlich.
- Jedes Plastikteil ist durch eine Nummer gekennzeichnet.
- Die Beschichtung muss von allen Klebestellen vorher entfernt werden.
- Die Teile vor dem Verkleben ungeleimt zusammenhalten um ihre Pass itz zu prüfen.
- Klebstoff nicht zu dick auftragen.
- Nur Modellbaukleber für Polystyrol verwenden.
- Man Kann das Modell nach den fotos auf der schachtel anstreichen.
- Bemalte Teile vor der Weiterverwendung gut trocknen lassen.
- Die Farbe muss von allen späteren Klebestellen abgeschabt werden.
- Damit sie Farbe und die Abziehbilder kleben sind die Plastikteile in einer milden Seifenlauge z waschen. Dann abspülen und an der Luft trocknen lassen.



**CEMENT TOGETHER  
A COLLER  
UNIR CON PEGAMENTO  
VERKLEBEN**



**DECAL (DIP IN WATER)  
DECALCOMANIE (À PLONGER DANS L'EAU)  
DECALCOMANIA (MOJE CON AGUA)  
ABZIEHBILD**



**REPEAT SEVERAL TIMES  
A REPETER PLUSIEURS FOIS  
REPITA VARIAS VECES  
ARBEITSGANG MEHRMALS WIEDERHOLEN**



**OPTIONAL PARTS  
PIECES EN OPTION  
PIEZAS OPCIONALES  
BAUTEILE NACH WAHL**



**REMOVE AND THROW AWAY  
A RETIRER ET JETER  
QUITE Y TIRE  
ENTFERNEN (ABFALL)**



**PAINTING TIPS AND NOTES**



**MODELING TIPS**

Every effort has been made to create and manufacture a model kit that is the finest available. If a part is missing, please write to:

**Revell-Monogram  
Consumer Service Department  
8601 Waukegan Road  
Morton Grove, Illinois 60053**

Be sure to include the kit number, part number, description, and your return address.

If you have any problems building this model, call our modeling tips hotline at:

**(800) 833-3570**

TO COMPLETE THIS KIT AS SHOWN, WE RECOMMEND THE FOLLOWING PAINTS.

ENGLISH	FS EQUIVALENT	ProModeler	GERMAN	SPANISH	FRENCH
DARK EARTH	30118	NA	HELL BRAUN	MARRON CLARO	MARRON CLAIR
DARK GREEN	34079	NA	DUNKELGRUN	VERDE OSCURO	VERT FONCE
DARK GREEN	34092	NA	DUNKELGRUN	VERDE OSCURO	VERT FONCE
OCEAN GRAY	36152	NA	GRAU	GRIS	GRIS
SKY	34504	NA	HELLBLAUGRÜN	AZUL CIELO	BLEU CIEL
GRAY-GREEN	34226	NA	GRAU-GRUN	GRAU-VERDE	GRIS-VERT
YELLOW	33538	NA	GLEB	AMARILLO	JAUNE
FLAT WHITE	37875	88-0023	MATT-WEISS	BLANCO	BLANC
FLAT BLACK	37038	88-0022	MATT SCHWARZ	NEGRO APAGADO	NOIR TRENE
SILVER	NONE	88-0013	SILBER	PLATA	ARGENT

# STEP 1, COCKPIT ASSEMBLY



**MODELING NOTE:** The parts for this kit come on two trees of sprue. One tree is designated with the letter "A," and the second is designated with the letter "B." Designations for most parts in this kit begin with one of these two letters. This indicates which sprue tree the part is on. There are duplicate parts numbers, so be sure to remove the part from the correct sprue tree.

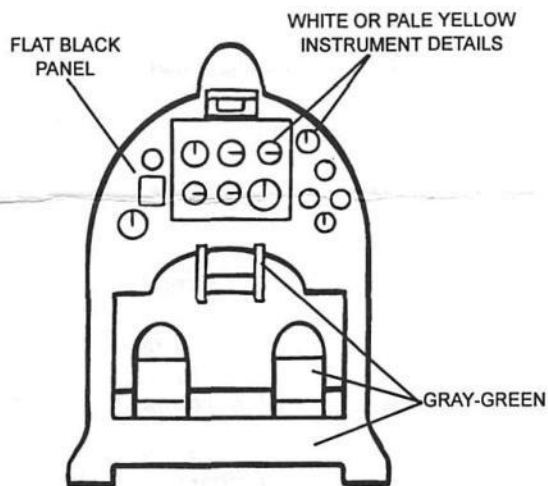
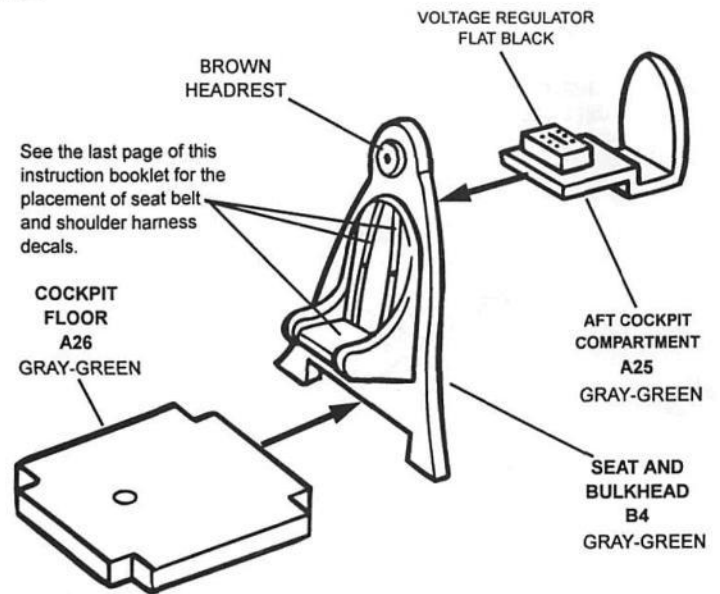


**PAINTING NOTE:** The interior of the cockpit should be painted gray-green. This British color is equivalent to the Federal Standard number 34226.

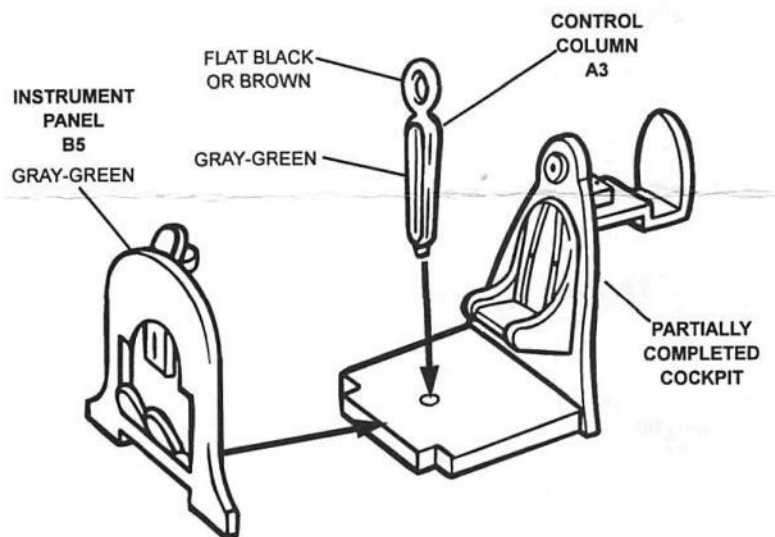
PAINT ALL PARTS BEFORE ASSEMBLY.

1. Glue the SEAT AND BULKHEAD (B4) to the COCKPIT FLOOR (A26).

2. Cement the AFT COCKPIT COMPARTMENT (A25) to the back of the SEAT AND BULKHEAD (B4).



FRONT VIEW OF INSTRUMENT PANEL



3. Refer to the last page of this instruction booklet and apply the seat belt and shoulder harness decals (17) to the seat.



**MODELING NOTE:** Use a white or yellow colored pencil with a sharp point to highlight the details on the instrument panel. This will provide much better control than even the finest paint brush. If you make a mistake, simply erase it gently and start over.

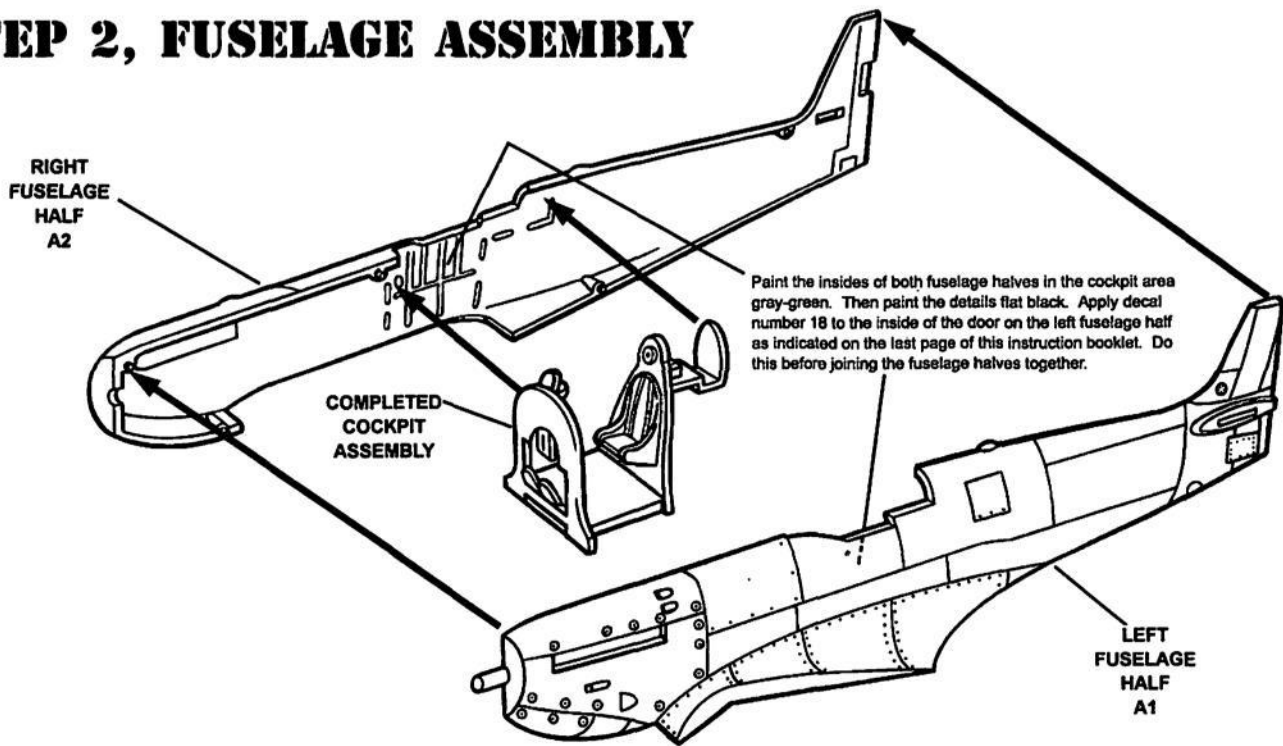
4. Glue the INSTRUMENT PANEL (B5) to the PARTIALLY COMPLETED COCKPIT.

5. Cement the CONTROL COLUMN (A3) to the PARTIALLY COMPLETED COCKPIT.



*Details of the instrument panel can be seen here. Note that the circular handle at the top of the control column was wrapped tightly with black tape.*

## STEP 2, FUSELAGE ASSEMBLY



1. Paint the inside of the two fuselage halves gray-green in the cockpit area. Once this color has dried, paint the details flat black.
2. Refer to the last page of this instruction booklet and apply decal number 18 inside the left fuselage half.
3. Glue the COMPLETED COCKPIT ASSEMBLY to the inside of the RIGHT FUSELAGE HALF (A2).
4. Carefully cement the LEFT FUSELAGE HALF (A1) to the RIGHT FUSELAGE HALF (A2).

## STEP 3, WING ASSEMBLY

PAINT ALL PARTS AFTER ASSEMBLY.

1. Use the point of a razor knife to open up the holes in parts B1, B2, and B3 as indicated in the drawing at left.

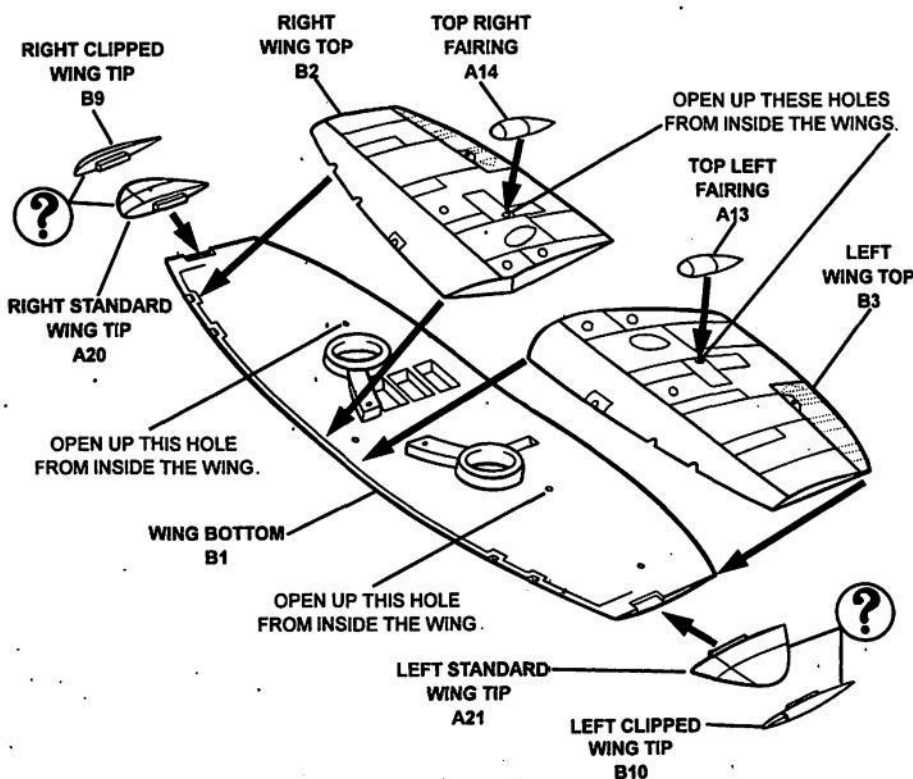
2. Cement the RIGHT WING TOP (B2) to the WING BOTTOM (B1).

3. Glue the LEFT WING TOP (B3) to the WING BOTTOM (B1).

4. Cement the TOP LEFT FAIRING (A13) to the LEFT WING TOP (B3).

5. Glue the TOP RIGHT FAIRING (A14) to the RIGHT WING TOP (B2).

6. Refer to the drawings on the last three pages of this instruction booklet and select one of the three aircraft for which markings are provided. Determine from the drawings of that aircraft if it has the standard wing tips or the clipped wing tips. If the Spitfire you have selected has the standard wing tips, glue parts A20 and A21 to the tips of the completed wing assembly. If it has the clipped wing tips, use parts B9 and B10 instead.



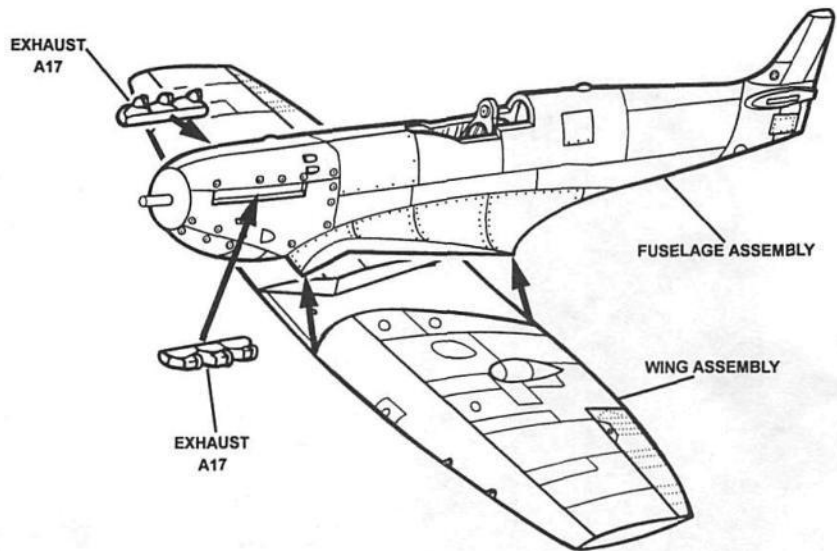
## STEP 4, WING AND FUSELAGE ASSEMBLY

1. Carefully glue the WING ASSEMBLY to the FUSELAGE ASSEMBLY.



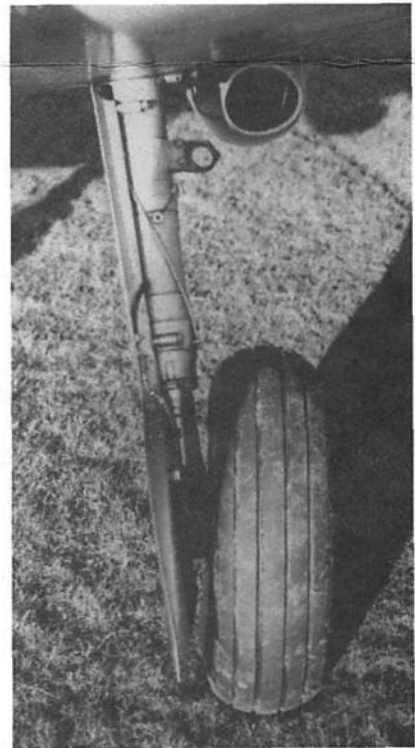
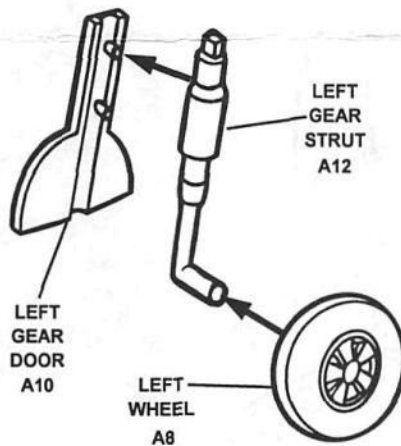
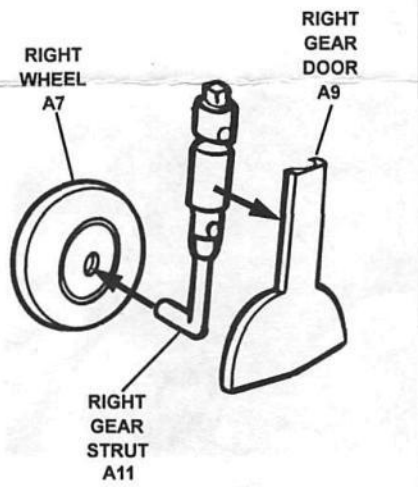
**PAINTING NOTE:** The exhausts were a burnt metallic copper color. This can be represented by first painting these parts with copper colored paint. Once this paint has set, dry brush it first with thinned steel colored paint and finally with flat black. Do this before gluing the parts in place.

2. Glue the two EXHAUSTS (A17) in place on the sides of the forward fuselage.



**MODELING TIP:** To avoid having to mask off the exhausts when the model is painted, you may prefer not gluing them in place at this time. Instead, place them aside until the model is painted, then glue them in place once all painting has been completed.

## STEP 5, MAIN LANDING GEAR ASSEMBLY



PAINT ALL PARTS BEFORE ASSEMBLY.

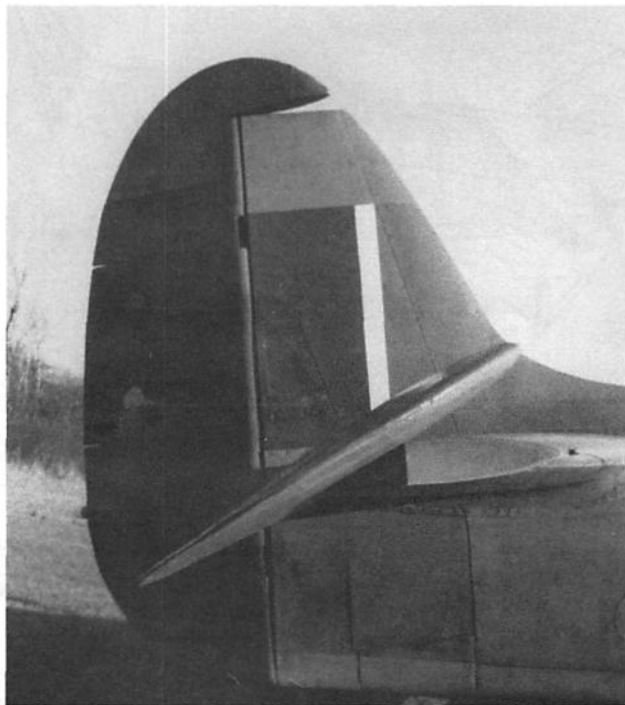


**PAINTING NOTES:** On British aircraft, the landing gear, to include the struts, doors, and wheels, were usually painted the same color as the underside of the aircraft. For the Spitfires represented in this kit, these parts should be painted Sky, FS 34504. The tires should be painted flat black or a dirty gray color.

1. Glue the RIGHT GEAR STRUT (A11) to the RIGHT GEAR DOOR (A9).
2. Cement the RIGHT WHEEL (A7) to the RIGHT GEAR STRUT (A11)
3. Glue the LEFT GEAR STRUT (A12) to the LEFT GEAR DOOR (A10).
4. Cement the LEFT WHEEL (A6) to the LEFT GEAR STRUT (A12).

*This front view provides a good look at the left main landing gear. Note the correct angle between the tire and the strut. The tire is mounted so that it is at an angle to the strut, but it is vertical to the ground. Be sure that you glue the wheels and tires to the struts at the correct angle.*

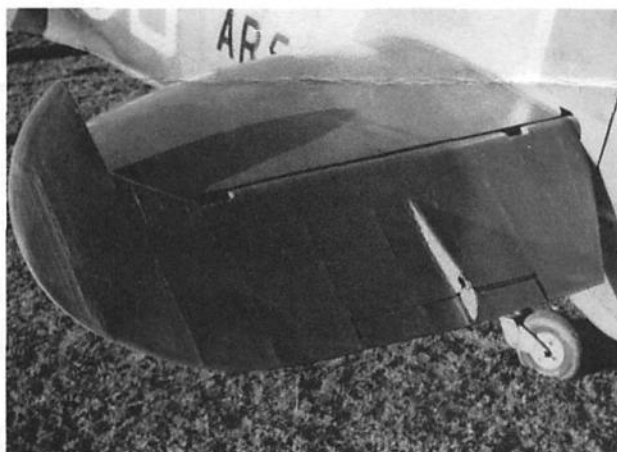
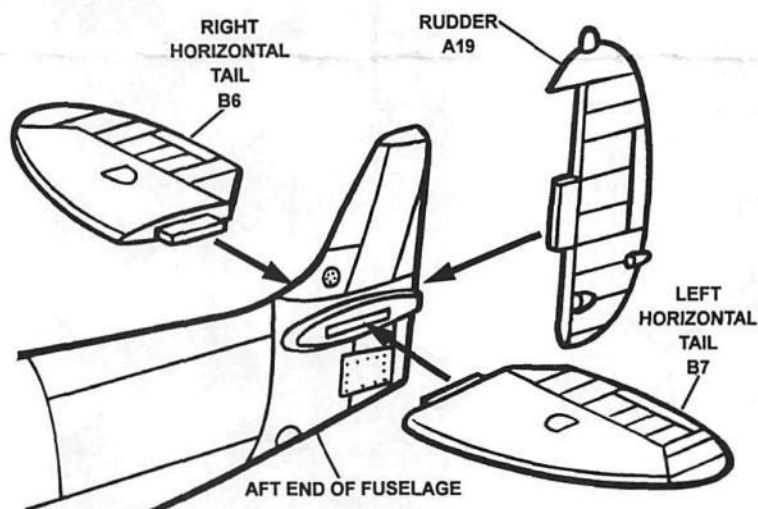
## STEP 6, TAIL ASSEMBLY



The entire tail section can be seen here from the right side. The light on the trailing edge of the rudder was white.



Additional details of the tail section can be seen from the left side. This particular aircraft does not have the usual mount for the radio antenna wire at the top of the rudder.



Details of the left elevator are illustrated in this photograph. The elevators and rudder were covered with fabric.

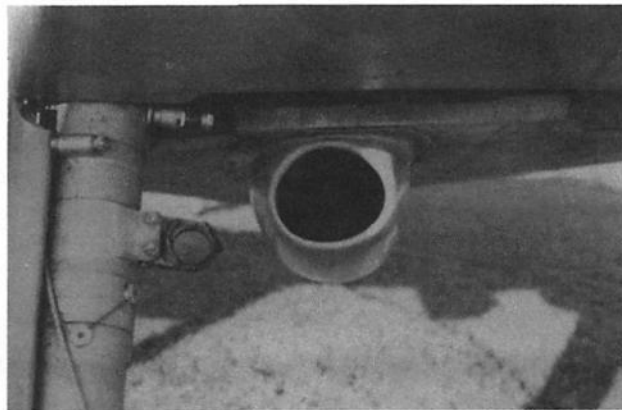
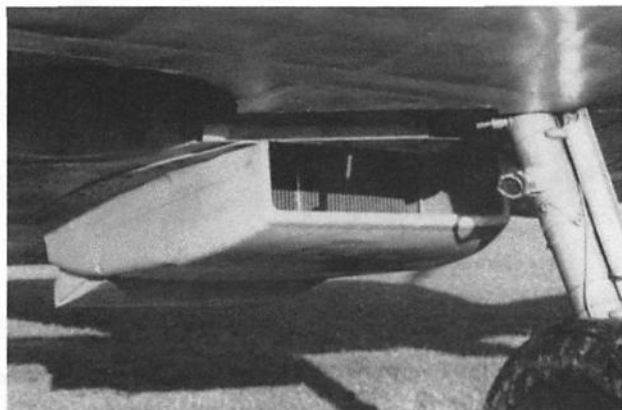
PAINT ALL PARTS AFTER ASSEMBLY.

1. Glue the RIGHT HORIZONTAL TAIL (B6) to the AFT END OF THE FUSELAGE.
2. Cement the LEFT HORIZONTAL TAIL (B7) to the AFT END OF THE FUSELAGE.
3. Glue the RUDDER (A19) to the AFT END OF THE FUSELAGE.
4. Carefully check the alignment of all three parts before the glue sets.

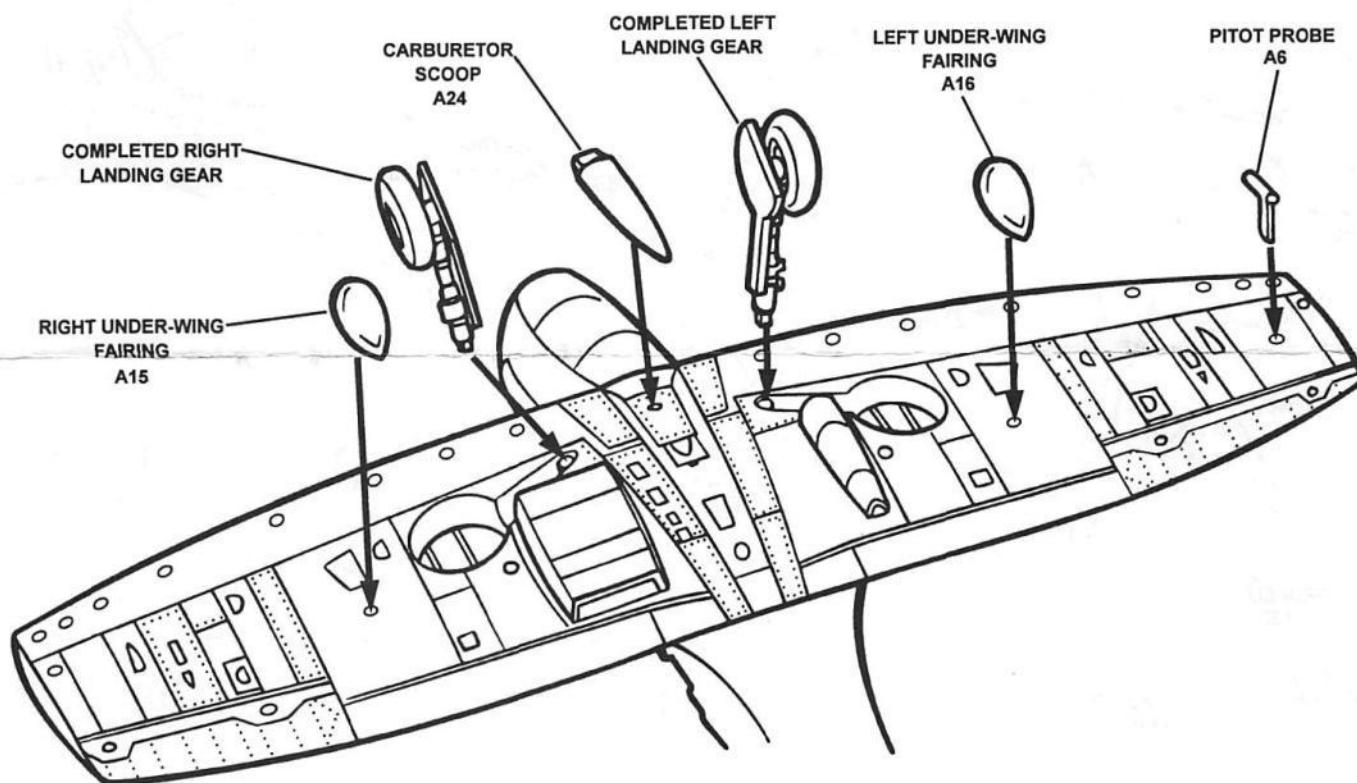


**MODELING TIP:** Now is the best time to check the assembly of the model for any cracks. Examine the seams where all parts have been joined together, and fill any cracks with modeling putty. Once this has dried, sand the putty smooth with modeling sandpaper. Spray a flat gray paint lightly over the seams as a primer. When the paint dries, check the model again for any cracks. If any are found, use more putty, sand, and apply another coat of primer. Once you are satisfied with the seams, continue with the next step.

## STEP 7, UNDER-WING ASSEMBLY



*Underside details are illustrated in these two photographs. At left is the radiator under the right wing, while the oil cooler fairing under the left wing is shown in the photo at right.*



1. Glue the RIGHT UNDER-WING FAIRING (A15) to its position under the right wing.
2. Cement the LEFT UNDER-WING FAIRING (A16) to its location under the left wing.
3. Glue the CARBURETOR SCOOP (A24) in place under the center of the wing.

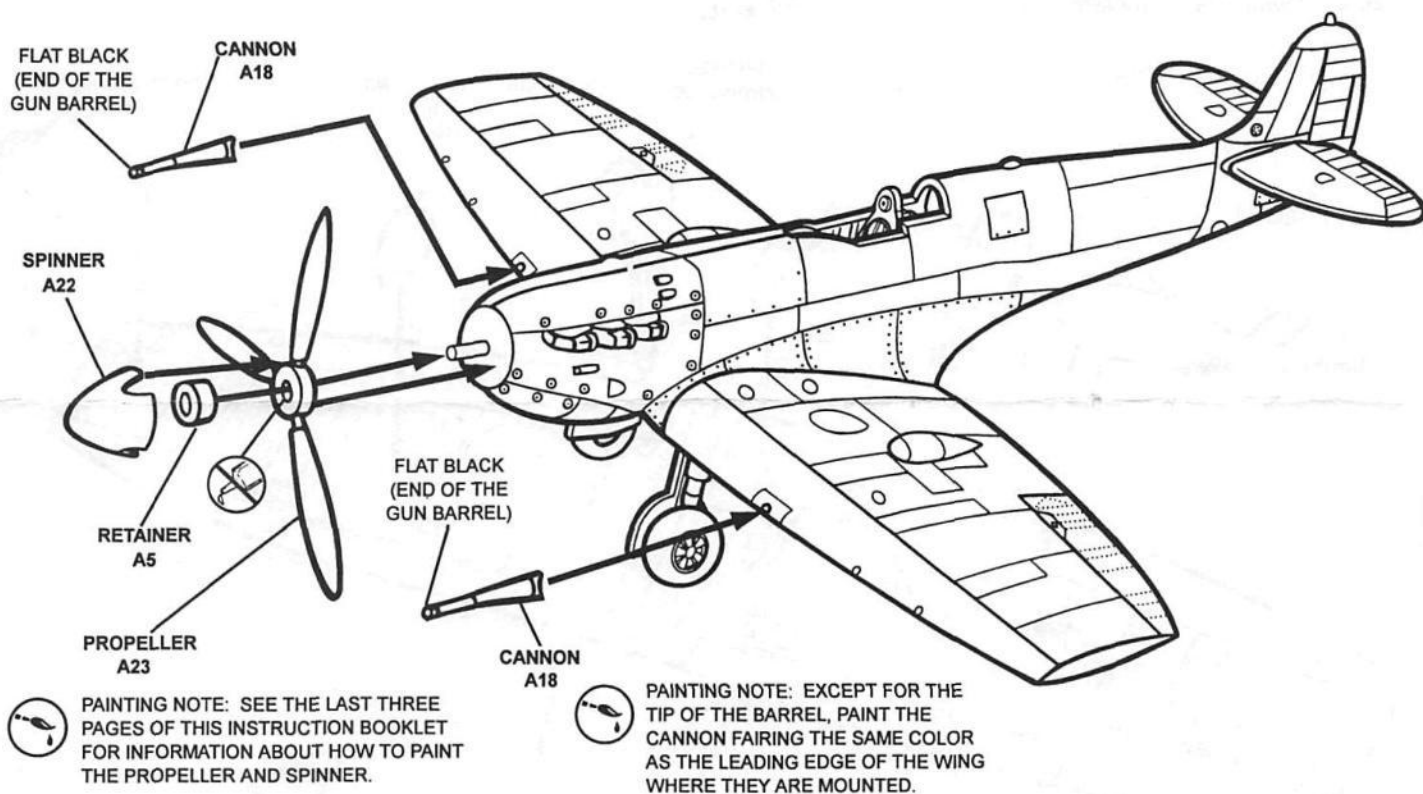


**PAINTING TIP:** Now is the best time to paint the camouflage scheme on your model. This is more easily accomplished before the remaining small details are added. Refer to the last three pages of this instruction booklet for information about painting the camouflage scheme on your model. Once the paint has dried, continue with the assembly of the model.

4. Cement the COMPLETED LEFT AND RIGHT LANDING GEAR to the underside of the wing. Check the photograph in STEP 5 to insure that you position each strut at the proper angle to the wing.
5. Glue the PITOT PROBE (A6) into the hole near the left wing tip. The PITOT PROBE should be painted the same color as the underside of the wing.

## STEP 8, PROPELLER AND CANNON ASSEMBLY

*Right: Although this photograph is of a Spitfire Mk Vc which had a different exhaust arrangement, the details of the propeller remain the same. Note the location of the logo on the propeller as well as the yellow tips. Painting instructions for the propeller and spinner can be found on the last page of this booklet.*

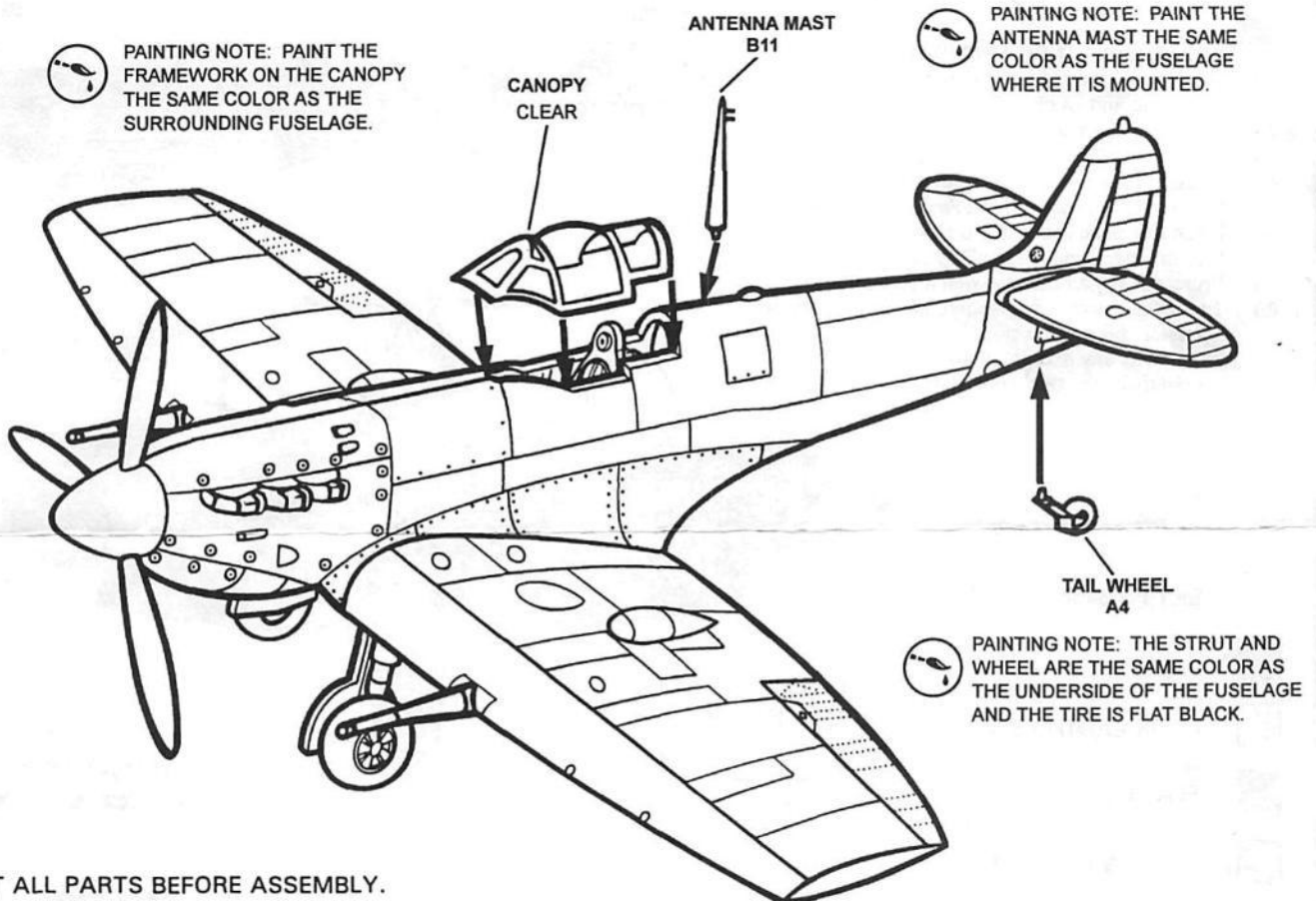


1. Glue the two CANNON (A18) to the leading edge of the wings as shown in the drawing.
2. Paint the CANNON to match the camouflage scheme on the wing as illustrated in the last three pages of this instruction booklet.
3. Paint the PROPELLER (A23) and the SPINNER (A22) according to the instructions on the last page of this booklet. When the paint is dry, apply the appropriate decals to the PROPELLER.
4. Slide, **DO NOT CEMENT**, the PROPELLER (A23) onto the shaft at the forward end of the fuselage.
5. Slide the RETAINER (A5) in place on the shaft in front of the PROPELLER. Carefully apply a little glue between the shaft and the RETAINER to hold the RETAINER in place. Be sure not to let any glue touch the PROPELLER.
6. Use a toothpick to apply a very small amount of glue just inside the SPINNER (A22). Slide the SPINNER in place on the PROPELLER (A23). Be sure not to let any glue touch the front of the fuselage or any other part, or the PROPELLER will not spin. A water-based white glue is recommended for this item. If any white glue gets on the shaft, retainer or the forward fuselage, it can be broken loose and removed without damaging the model. The SPINNER can then be re-glued as necessary.



## STEP 9, FINAL ASSEMBLY

*Right: Details of the Spitfire's sliding canopy can be seen here from the left. On some aircraft, a rear view mirror was added above the canopy so the pilot could quickly "check six."*



PAINTING NOTE: PAINT THE FRAMEWORK ON THE CANOPY THE SAME COLOR AS THE SURROUNDING FUSELAGE.

PAINTING NOTE: PAINT THE ANTENNA MAST THE SAME COLOR AS THE FUSELAGE WHERE IT IS MOUNTED.

PAINTING NOTE: THE STRUT AND WHEEL ARE THE SAME COLOR AS THE UNDERSIDE OF THE FUSELAGE AND THE TIRE IS FLAT BLACK.

PAINT ALL PARTS BEFORE ASSEMBLY.

1. Glue the ANTENNA MAST (B11) in place on the spine of the fuselage.
2. Cement the TAIL WHEEL (A4) into the hole in the underside of the aft end of the fuselage.
3. Using a water-based white glue, attach the CANOPY (26) to the top of the fuselage.



**MODELING TIP:** Refer to the drawings on the last three pages of this instruction booklet, and note how the antenna wire ran from the top of the rudder to the antenna mast. A lead-in wire ran from the main wire down into the top of the fuselage. Use stretched sprue or fine nylon thread to make this antenna wire. You will have to drill a tiny hole in the top of the fuselage for the antenna wire to pass through.



*Details of the tail wheel can be seen here. As with the main landing gear, the strut and wheel were usually painted the same color as the underside of the aircraft.*

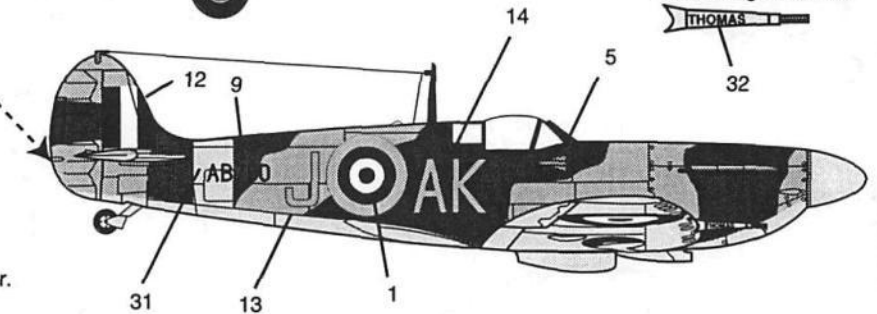
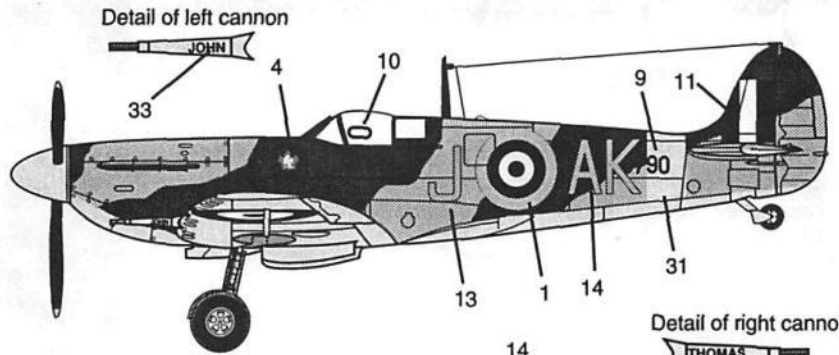
**PAINTING AND DECAL INSTRUCTIONS**

**SPITFIRE MK Vb, AB790.  
ROYAL AIR FORCE.  
PILOT, WING COMMANDER  
JOHN A. KENT, WING LEADER,  
POLISH WING, NORTHOLT,  
MIDDLESEX, U.K., JUNE, 1941.**

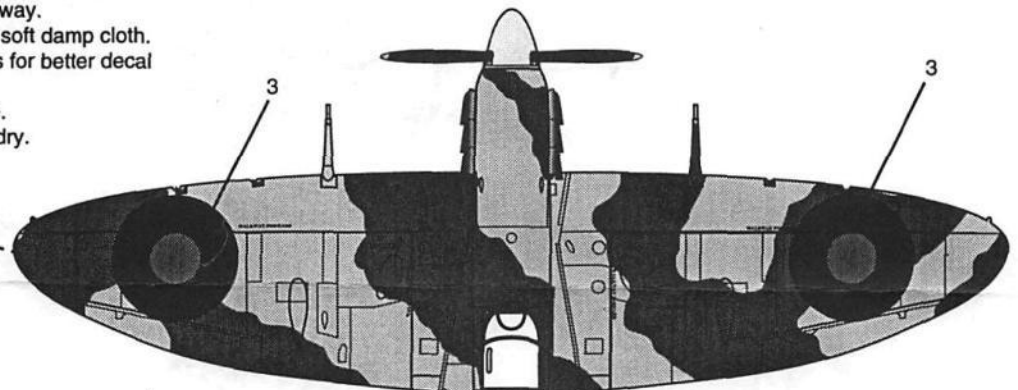


**DECAL APPLICATION INSTRUCTIONS**

- 1.) Wash plastic parts in mild detergent solution, then rinse and let dry.
- 2.) Cut the desired decal from the sheet.
- 3.) Dip the decal in water for a few seconds.
- 4.) Place the wet decal on a paper towel.
- 5.) Wait until the decal is movable on its backing paper.
- 6.) Place the decal in position on the model with its face up, then slide the backing away.
- 7.) Press out any air bubbles with a soft damp cloth.
- 8.) The milkiness that may appear is for better decal adhesion, but will dry clear.
- 9.) Wipe away any excess adhesive.
- 10.) Do not touch the decal until it is dry.

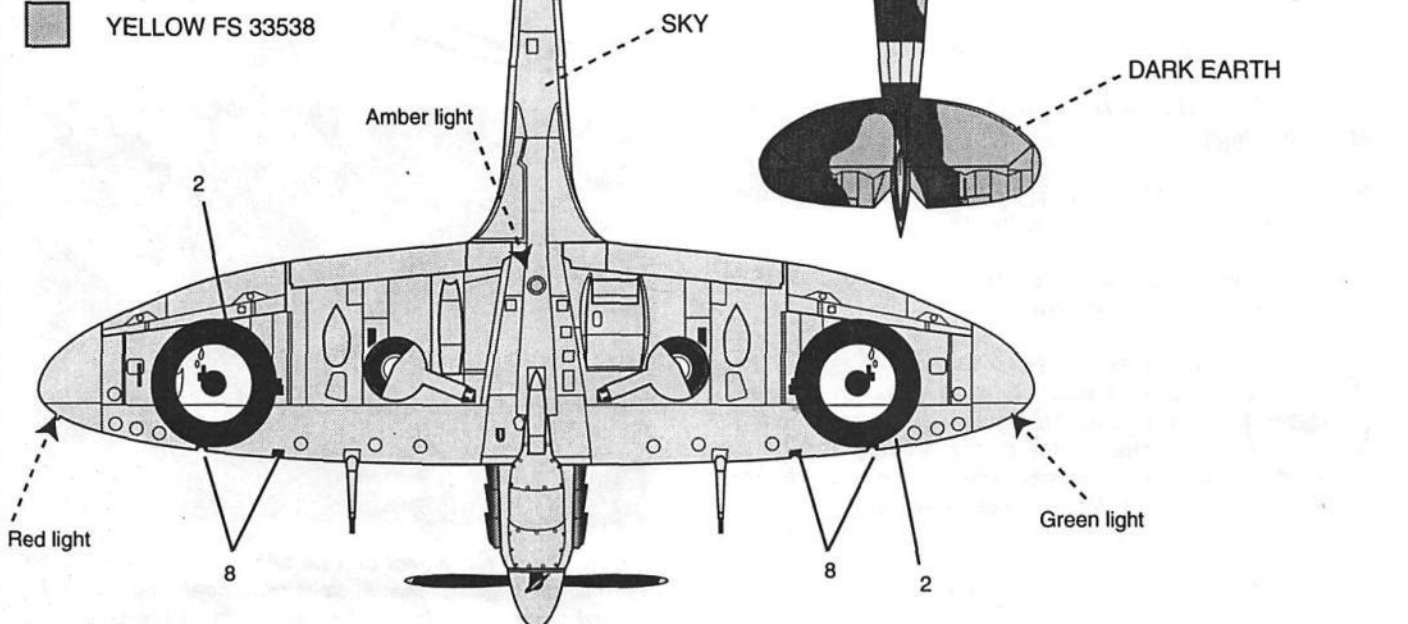


DARK GREEN



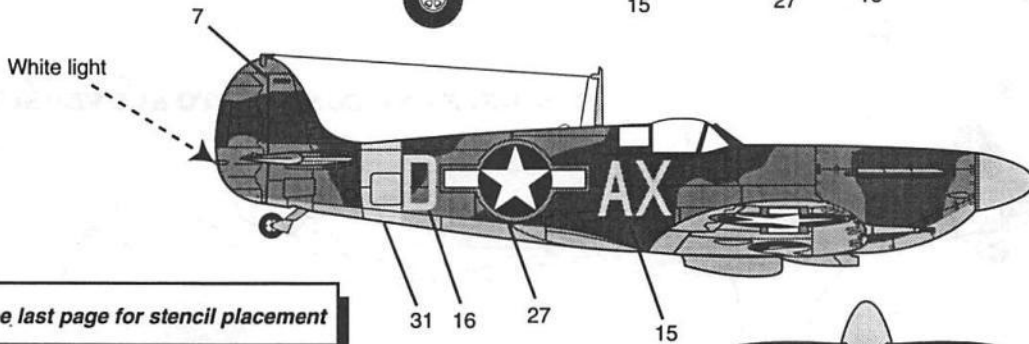
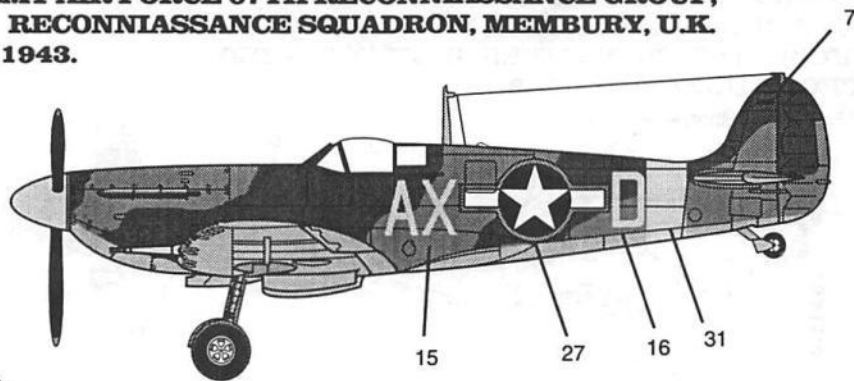
-  SKY FS 34504
-  DARK GREEN FS 34079
-  DARK EARTH FS 30118
-  FLAT BLACK
-  YELLOW FS 33538

See last page for stencil placement



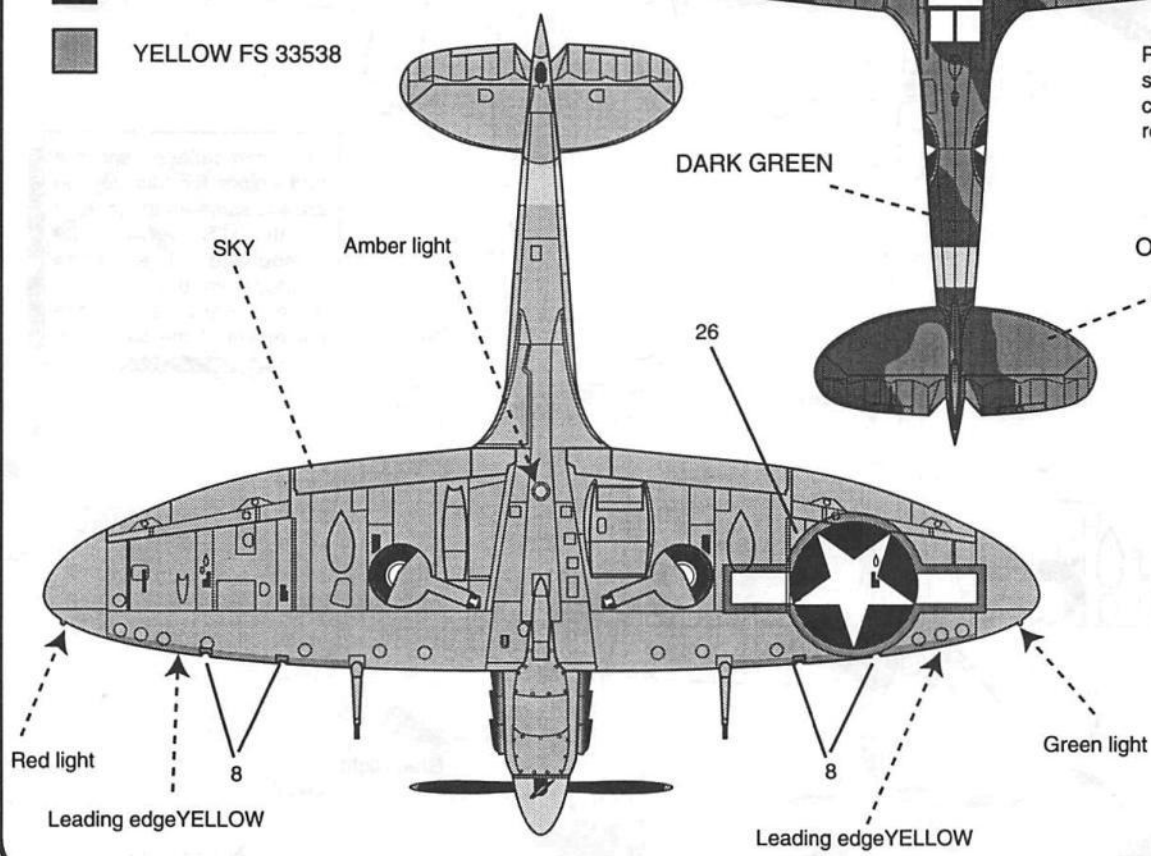
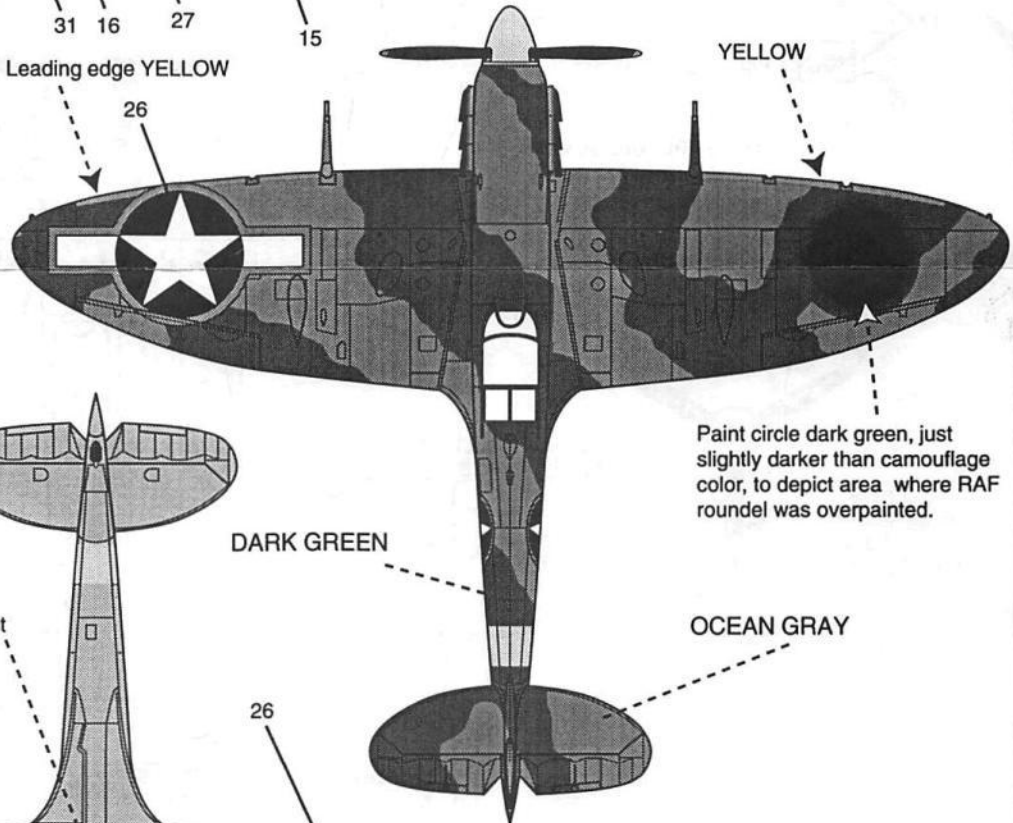


**SPITFIRE MK Vb, BM181.**  
**U.S. ARMY AIR FORCE 67TH RECONNIASSANCE GROUP,**  
**107TH RECONNIASSANCE SQUADRON, MEMBURY, U.K.**  
**JUNE, 1943.**



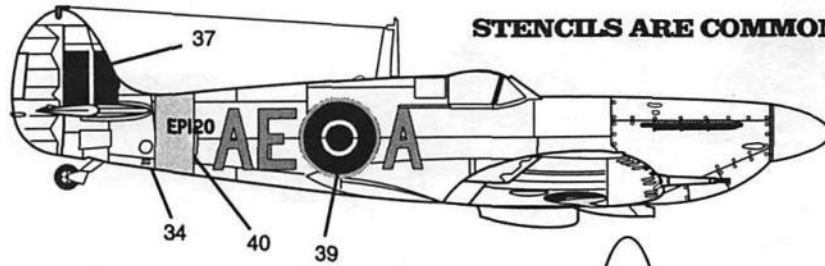
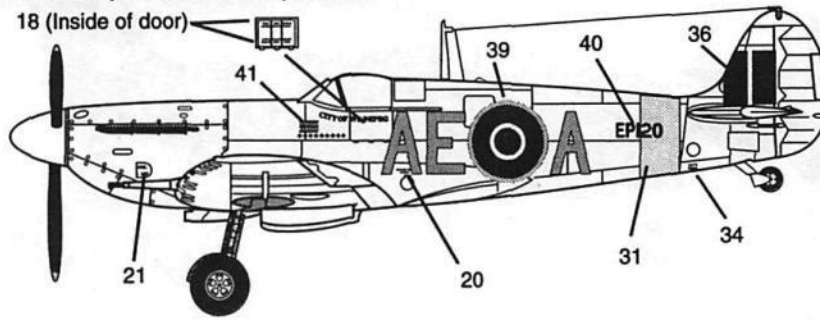
**See last page for stencil placement**

-  SKY FS 34504
-  DARK GREEN FS 34092
-  OCEAN GRAY FS 36152
-  FLAT BLACK
-  YELLOW FS 33538





**SPITFIRE MK Vb, EP120.**  
**402 SQUADRON, ROYAL AIR FORCE.**  
**PILOT, SQUADRON LEADER JEFF NORTHCOTT,**  
**DISTINGUISHED SERVICE ORDER, DISTINGUISHED**  
**FLYING CROSS, DUXFORD, 1943.**



**STENCILS ARE COMMON TO ALL VERSIONS**

Pilot's seat



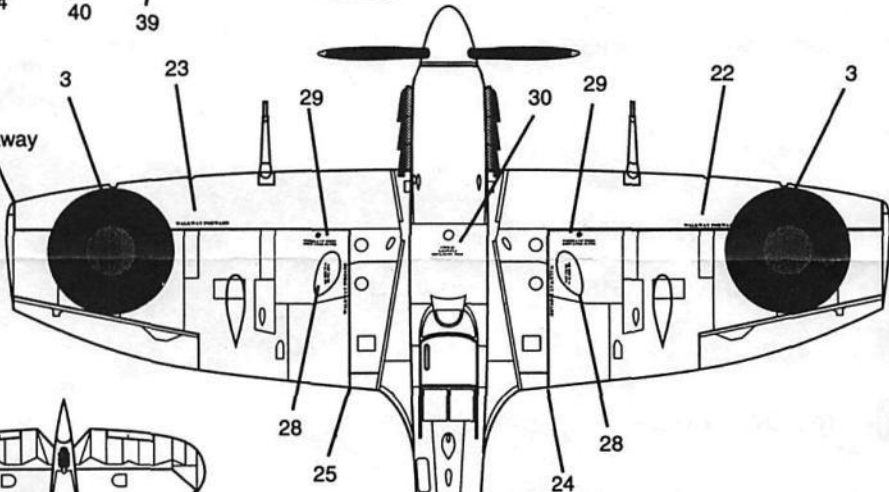
Front

17



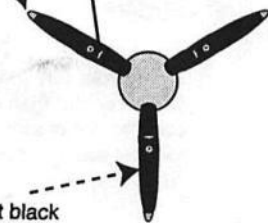
Top

NOTE: Trim excess walkway  
 decals at joint and apply  
 to forward edge.



Paint yellow

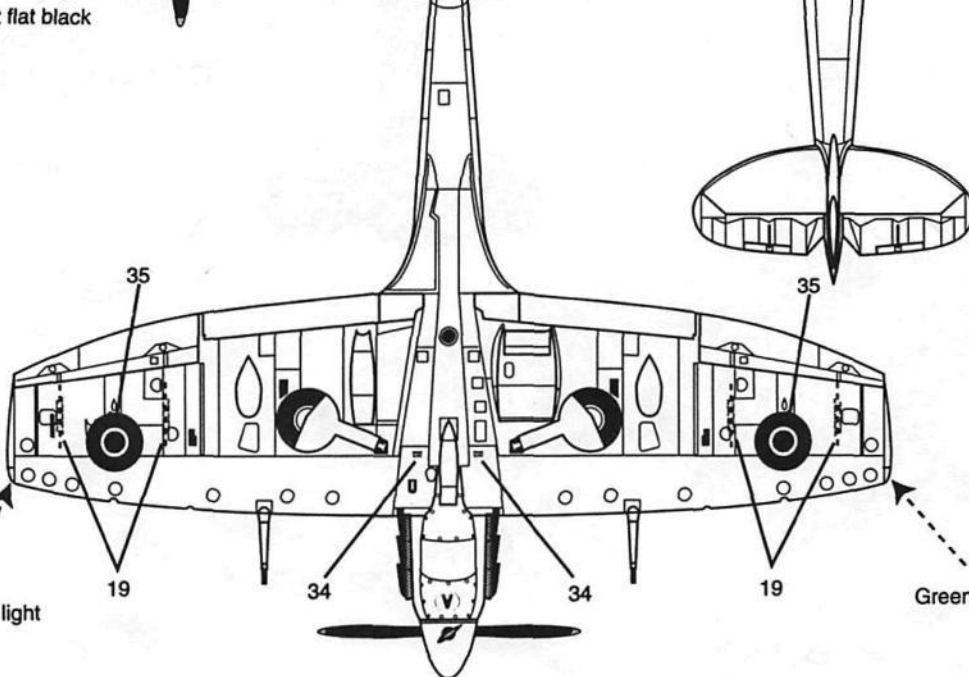
6



Paint flat black



The camouflage scheme and colors for this version are the same as those used on the U.S. version. The camouflage has been omitted from these views to more clearly show the placement of the stenciling.



Red light

Green light