

Albatros D.V "Manfred von Richthofen"

Johannisthal based Albatros Flugzeugwerke GmbH were responsible for some of the most graceful and effective fighters of the Great War. Their twin gun, semi-monocoque plywood fuselage Albatros D.1, powered by a 160hp Daimler Mercedes D.III engine, arrived at the front in September 1916 and achieved instant air superiority over its main opposition of Nieuport 11 and DH.2 fighters. Followed immediately by the slightly improved D.II and in December 1916 by the much improved D.III, with its V strutted sesqiplane wing greatly influenced by the successful Nieuport fighters. The D.III was more maneuverable than the D.II and its single spar lower half wing afforded greater visibility for the pilot but was also the cause of numerous, frequently fatal, structural failures. Despite much effort this problem was never fully resolved. Nevertheless the D.III remained in production well

Even as the excellent D.III went into production plans were underway for its successor, the Albatros D.V. Retaining the wings of the D.III but with aileron controls routed through the upper wing and with a redesigned fuselage completely oval in section, the D.V was arguably the best looking of all Albatros designs. Unfortunately the D.V inherited the lower wing structural failure problem of the D.III and turned out to not be any real improvement over it performance wise either. Despite this, the Albatros D.V. and the D.Va (with aileron controls cables reverted to D.III configuration), were manufactured in greater numbers than any previous German fighter of the war (only surpassed later by the Fokker D.VII, of which Albatros manufactured the great majority).

The Albatros D.V weighed 620kg empty when production commenced in April 1917 but, following strengthening, the empty weight had increased to 680kg before production of the D.Va started in August 1917. While Johannisthal built D.Va remained 680kg throughout production, those ordered from Ostdeutsche Albatros Werke (OAW) in September-October 1917 weighed in at 717kg empty, almost 100kg heavier than the initial D.V. When the Albatros D.V started appearing at the front in May 1917 it was effectively outclassed by the improved SE.Sa, Sopwith Camel and SPAD fighters being fielded by the allies at the time. Even after the introduction of the superb Fokker D.VII the Albatros D.V and D.Va could still be found equipping front line units, although most had been relegated to training or home defense duties by the time of the Armistice. Any history of Manfred von Richthofen "The Red Baron" and this important aircraft here is of necessity very brief, therefore we encourage you to seek out any, or all, of the reference books mentioned below for a more thorough understanding

WW1 colour schemes are contentious at the best of times and we have done our best to provide what we consider to be accurate painting information for this model. The colourful unit and personal markings applied to the various German fighters of the Great War have attracted more than their fair share of debate over the years and, while we have been as meticulous as we could be, I'm sure some will not find our choices to their liking. Albatros D type fuselages were usually clear varnished resulting in a yellowish plywood colour. The fabric covered wings and tailplane of the Albatros D.V were finished in either of 2 ways, painted with green and mauve/lilac on top and light blue underneath or covered in pre-printed 5 colour lozenge camouflage fabric. Metal fittings were painted in pale grey-green, as was much of the engine bay. Exterior metal panels, brackets and struts were usually painted in this same pale grey-green. There was considerable freedom for German units to apply their own colour schemes to their aircraft to aid identification at a distance. Manfred von Richthofen's various Albatros D.III, D.V and (later) Fokker Dr.1 usually featured prominent red markings, initially as his personal colour (based on the piping on the uniform of his previous Ulanen-Regiment Nr.1) and then as the marking of Jasta 11 after he took command.

Richard Alexander 2018

9.00m (29' 6")	7.33m (24° 0.5°)	(D.V) 755kg - 915kg	170kph (106mph)
(D.V) 900 (D.Va) 1662	(D.V) April 1917 - early 1918	2x 7.92mm LMG 08/15 'Spandau'	
6250m (20500°)	160hp Daimler-Mercedes D.III		

Windsock Datafile 3 Albatros D.V, Ray Rimell, 1987 - Albatros Fighters Windsock Datafile Special, Ray Rimell, 1991 - Squadron Signal Albatros Fighters in Action, John F Connors, 1981 - Australian War Memorial Museum, Canberra, Australia - Windsock Richthofen, AE Ferko 1995 - Red Baron The Life and Death of an Ace. Peter Kilduff. 2009 - The Blue Max Airmen Vol 5 Manfred von Richthofen. Lance J. Bronnenkant PhD 2014 - Inside the Victories of Manfred von Richthofen volume 1 & 2, James F Miller, 2016 - Ace Profiles #3 Manfred v Richthofen, James F Miller 2009 - The Vintage Aviator LTD - 1914-18 Aviation Heritage Trust - Private Collections.

Albatros D.V "Manfred von Richthofen"

Warning: Choking hazard. Keep small parts and plastic bags away from children. Use glue and paint in a well ventilated area. Always wear protective eyewear when cutting and a protective mask when painting, gluing and sanding. Do not breathe dust from polymethan resin parts (fi included). Beware of sharp edges on metal parts.

Assembly: Read all the instructions carefully before starting assembly. Use glue intended for plastic models.

Assemble metal and resin parts (if included) using Cyanoacrylate (CA) or epoxy glue. Before assembly select a marking option and note optional parts required in instructions.

If installing rigging please drill out all location holes with a 0.5mm drill bit to a depth of at least 1mm. To make rigging as simple as possible we recommend using stretchy elastic type material like 'EZ Line' etc and not trying to replicate any turmbuckles.

Painting: Only use paints designed and suitable for plastic model kitsets.

Rigging:

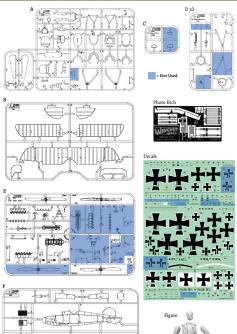
Decals: Cut out each decal as required. Soak in warm water for 15 seconds. Slide off backing paper onto gloss painted
surface of model (not just clear coated plastic). For large decals it is helpful to apply a drop of water to the
area they are being applied to. Blisw ill make it easier to maneurer them into the correct position.

Hints & Tips: Please visit our website for additional photos, hints and tips to assist you in getting the best result from your Winesmodel.

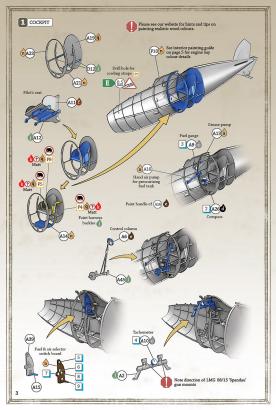
7			
1 Construction Step	? Choose	Attention	Remove
A1 Part Number	Do Not Cement	A Option	Drill
5 Decal P1 Photo Etch Part	Cement For Metal	Other Side	Paint Colou

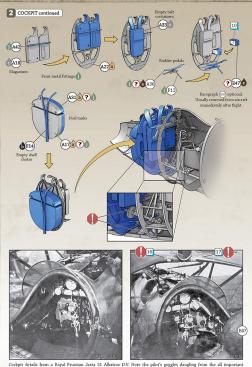
Brass	X31	54	
Gun Metal	X10	27004	
Aluminium	XF16	27001	
Black - semi gloss	X18	85	
Dark Wood* - gloss	XF68	98	30340
Leather - semi gloss	XF52	62	30219
Light Blue - gloss	XF2(x10) + XF18(x1)	130(x10) + 96(x1)	25550
Rubber - matt	XF69	66	35042
Light Grey - matt	XF19	64	36463
Light Grey Green - semi gloss	XF76	240	24424
Red - matt & gloss	X7(x5) + XF9(x1)	-	
Rust - matt	XF9	113	20045
White - semi gloss	XF2	130	
Light Wood* - gloss	XF59	93	30475
Mauve - semi gloss	X16(x2) + XF52(x1)	68(x5) + 29(x1)	
Steel	XF56	27003	
Clear Doped Linen - semi gloss	XF55	148	26360
Dark Grey Green - semi gloss	XF65	116	34159
Copper	XF6	12	
Lilac - semi gloss	X16(x1) + XF52(x1) + XF2(x2)		27144
Olive Green - matt	XF61	30	34079
Venetian Red - semi gloss	XF9	113	20061
Fokker Beige - matt	XF60	83	33440
Yellow - semi gloss	X6	18	22246
Green - matt & gloss	X28	208	14193
Pale Green - semi gloss	XF71	78	24227

Note: Apply clear varnish to achieve the desired gloss or semi-gloss finish. "See our website hints and tips for painting wood.

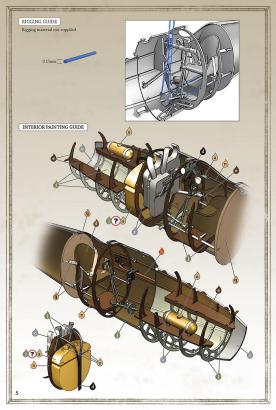


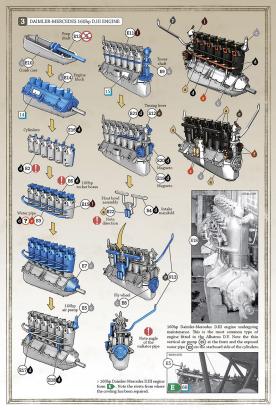


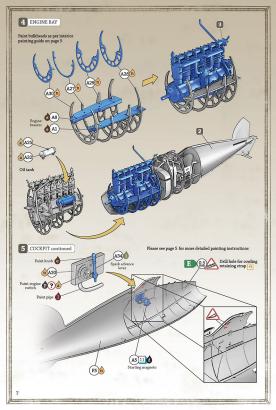


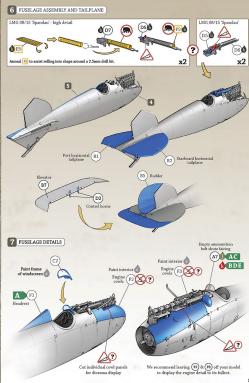


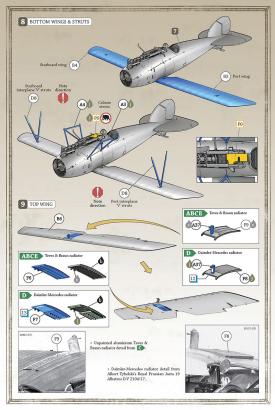
Cockpit details from a Royal Prussian Jasta 31 Albatron D.V. Note the pilot's goggles dangling from the all important tachometer attached to the center of the IMG 08/18/5 Spandari mount, with an altimeter to the left and dock to the right. Also note the barograph (66) suspended below the instrument board, mirror (68), D.V specific headerst (78) & alleron control cables, the Bisfeld flare goal natached to the right of the cockpit and the data plates attached to the rear of the top wing our

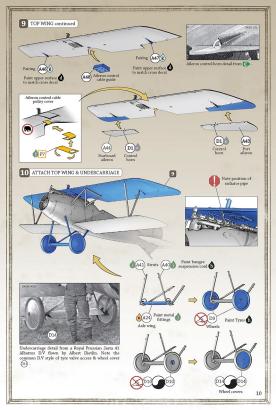




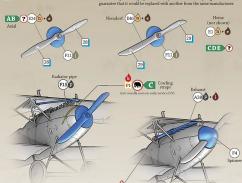








PROPELLER & FINAL ASSEMBLY
Propellers were frequently damaged and replaced. While a photo may show a particular aircraft with a particular propeller it usually would not last very long and there is no guarantee that it would be replaced with a nother from the same manufactured.

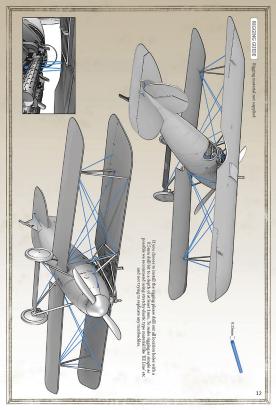


Drill out end of exhaust for a more realistic appearance.

> < v Albatros D.V 1192/17 is from the same 1st production order as AB and was photographed at Ghent in July 1917. Note the headrest \$\vec{\pi}\$1, Daimler-Mercedes radiator (8) and gloss finish of the plywood fuselage.







Manfred von Richthofen figure

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Because figure painters prefer a wide variety of types of paint (enamel, acrylic, oil etc) and many of the colour choices are subjective we will let these larger than life images of the figure painted by John Belcher serve as our painting guide.

Please visit our website for some figure painting hints and tips.







- Dark brown leather helmet, jacket, gauntlets and boots

- Black or dark brown fur lining
- Field grey trousers - Blonde hair

- White tunic*

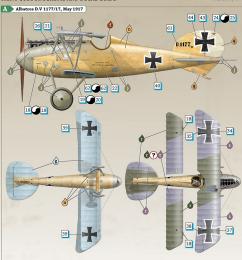
*This could possibly have been a white woolen jersey (sweater) and not a tunic as we have sculpted.



^ Manfred von Richthofen shaking hands with Ernst von Höppner on 23 April 1917. > Manfred von Richthofen photographed on 23

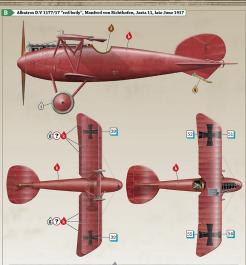
April 1917.





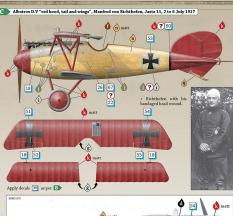
Albatros D.V 1177/17 is from the 1st production order for 200 aircraft placed in April 1917 (numbers 1000/17 to 11994/17) and is shown here in May 1917 white awaiting assignment to Kopyl othic awaiting assignment to Kopyl Ghown by their Commanding Officer (CO) Manfred von Richthofen. Note the headerst, factory finish varnished plywood fuselgag, grey-green cowlings and green and illust/maneve cannothlegad top wings to possible the statement of the best to the statement of the best to the statement of the best to the statement of the statement of







Manfred von Richthorfan fleer Albarton DV 117/137 "red body" to claim his 54th, 55th and 55th victories between 23 and 25 James 1731, by which time be was also the CO of Algeptensheal's LOS of comparised of Janes 4, as LO and 11. Albhoody notly identified as "nel body" it would appear that preprint much every thing other than the radiation and tyres had been comparised red by the time this "nel body" it would appear that preprint much every thing other than the radiation and tyres had been comparised red by the time that the third of the state of the state





Manfred wen Richhofen was abot down in this unidentified Albatres DV (previously misitentified as 4992/17 on 6.30).
1917. He was she in the head and severyly wounded with actioning an F2.2 of 20 Squadeon but managed to make an emergency landing behind the German lines as seen here. Despite his severe head wound, Richhofen was flying again within the work of the property of the pr



Albatron DV 2009.17 is from the 2nd production order placed in May 1917 for 400 pixers of tumbus 1917 to 2501.17 in and was singled out for inclusion in the background when General Erich Luderhoff without Just 21 at Markebeke on 19 August 1917. Because of this, coupled with some prints of photos taken or 2009.17 at the event which appear afark all over, the conventional windows has been that this was the siteract in which victories on 16 & 26 August 1117 respectively. By this date the red more from early July had been extended to morompass the enter from that of the foundation of the compass the enter from that of the foundation that the contraction of the contraction o



entire front half of the fusslegs buck to the row undercurings strut attachment point. Despite historically being illustrated as all over, the remaining rows or the fusslegs and trailighton are finished or a place clours, although it is plausible that this is also evel but supplied from a different batch of fustd pairs when (10) it was used by fishthefund. It it mit rod, then it is an accordance of the supplied from a different batch of fustd pairs when (10) it was used by fishthefund. It it mit rod, then it is an accordance clour batch and the supplied from the fundance of the fundance of the supplied from the fundance of the fun



< General Erich Ludendorff's visit to Jasta 11 at Markebeke on 19 August 1917 with Albatros DV 2059/17 behind and other Jasta 11 Albatros DV at top right, possibly including ♣b. Manfred von Richthofen can be seen in the centre, with bandage visible beneath his cap.

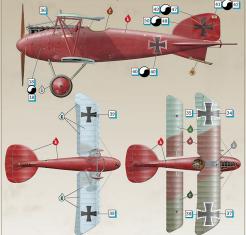


This photo is believed to show <a>B
in the markings of Prazar Muller sometime after he arrived at Justa 11 go 19 July 1917 and before he left on 17 October 1917. The white tatplane markings of Muller had been partially overpained by the time it was used by Manfred von Richtbofen to with Moorsele <a>BBD. The outer areas of the weathered top wing appears to have been repainted and might not be in their factory applied like.

Married von Bishthefen flow this unidentified, Janza I, Illianus DV on a wint to Mourela artified in Intel 1971. This wint suspersionally reported as happening sometime before Bishthefen was shot down and sownded on 6. July 1972 but the entire from half of the fusedage is painted red as per the Jasta II practice most of the fusedage is painted red as per the Jasta II practice most fee for a latter interpreted, such as 2059/17 D. for most offer in Jasta Turnel for the latter interpreted most offer in Jasta Turnel for the State II practice most offer in Jasta Turnel for the state of the Jasta II practice most offer in Jasta Turnel for the Jasta II practice most offer in Jasta Turnel for the Jast

Sonus 1 Albatros D.III "Le Petit Rouge", Manfred on Richthofen, Jasta 11, January 1917 to April 1917

Recommended model (as at April 2018) is Roden 606 1/32 Albatros D.III



A heavily re-touched photo of Albatros D.III "Le Petit Rouge" in which Manfred von Richthofen was credited with 33 victories between 23 January 1917 and 29 April 1917. "Le Petit Rouge" is from the first Albatros D.III production order placed in October 1916 (numbers 1910/16 to 2309/16) and features a centered Teves & Braun step. paired(?) the fuselage cross 40 and how the Albatros factory decal on the rudder has

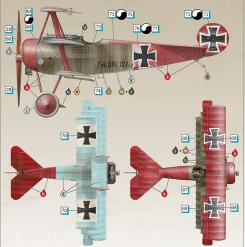


has been carefully painted around [41] & [42]. The wings remain in their factory finish believed to be a very reddish brown, pale green and dark green with light blue undersides based on colours recorded for captured Albatros D.III 2015/16.

Bonus 2 Fokker Dr.1 127/17, Manfred von Richthofen, Jasta 11, 27 March 1918 to 6 April 1918

Recommended model (as at April 2018) is Roden 601 1/32 Fokker Dr.1

int: Improve accuracy by removing the latch detail from the undercarriage axle wing and then fill the panel line here are details from OAW built Pokker D.VII that somehow found their way onto Pokker Dr.1 scale drawings.







Bree photo show Fokker Dr. 1,277/Tin which Manfred von Richthofen was credited with 3 victories between 27 March 1918/2 of and 6 April 1918. The photo on the left show to 1/371/Horein is that the tops wing, configure white consolidate reduced to outlines as seen on the right and in the illustrations above. Note the round hardset behind the coding shift was added at Jazza L1 to more easily access the magnetos. Married von Richthofen was and Klade in Fokker Dr. 1,425/17 or 2.1 April 1918 by Australian machine gumens while lee was being pursued by Roy Brown of 200%. Squarker Rafe in Sopieth 12 Camed Forgy (see Wingary Wings moded 200%).



A line up of brand new Albatros D.V from the 1st production order including 1166/17, 1177/17 (and 1178/18. Note the variations in wing and tailplane camouflage colour placement.



A photo from Manfred von Richthoferis visit to "England Geschoader" Kumgfgeschoader 3 (1994) 33 sometime after 23 June 1917 and before he was asked ofcom on a 50,49 [1917. An just for he was a fort down on a 1934 [1917. An just for he was a fort down on a 1934 [1917. An just for he was a fort down on a 1934 [1917. An just for he he will be will be seen a 1934 [1917. An just for he he will be will be seen a 2009.17] [20] in the centre and another darkly overpainted DV is on the right. Note that this is not the mass asscratic and a 2009.17 [20] and the weigh restain their factory finish and the Lughen is finished in a slightly different tone than the red of fuselage, possibly yellow? The partially visible serial number is tentatively identified as 2011.17?



The wheel chocks have been removed and Manfred von Richthofen prepares to take off. The rough demarcation line separating the matt green on the fuselage and the unconfirmed gloss colour on the tailplane indicate that while they appear to have been painted at different times with different batches of paint, they were ostensibly the unidentified otherwise more care would have been taken. Note the cowl retaining strap P which was a late addition to D.V in the field and the 160hp Daimler-Mercedes D.III engine. The aircraft in the background is an unidentified OAW built Albatros D.III.



Product Design by Mark Miller

A background in technical illustration and long term passion for modelling and early aircraft has enabled Mark to produce some of the most stunning 3D renderings of aircraft anyone is likely to see. His artwork has appeared in nerous books and publications from Cross & Cockade, Over the

Front, Schiffer and Windsock amongst others. To see some examples of Mark's work please visit http://www.wwi-models.org/Images/Miller/render/index.html

Additional 3D modelling by Bryan Wall



Decal Art by Malcolm Laird

Malcolm has been in the scale model industry since 1981 and now produces his line of Ventura decals and a range of soft cover aviation books mainly with a Kiwi flavour. Outside work he suffers the dual afflictions of restoring old orcycles and trying to paint impressionist

landscapes, with 'mixed' results so far. Visit Malcolm's web site at www.venturapublications.com



Figure Sculpting by Mike Good

Mike Good built his first model at 6 years old and never really stopped. This led to a lifelong career in the model business which began Testors in 1979. Models and dioramas lead him to figure modelling and he quit his job at Testors in 1987

to become a full time figure sculptor. He has sculpted figures for numerous companies including Poste Militaire, Pegaso, Revell/Monogram, Dragon, The Model Cellar and various toy companies. He has received numerous accolades over the years including Best of Shows at MFCA and Euro Militaire. Grand Master (MFCA - Model Figure Collectors of America), Chicago Medallist (MMSI - Military Miniature Society of Illinois) and was voted a charter Master of the World Model Soldier Federation. His interests over the years have been many and varied including stints in music, painting, poetry, photography, hiking, karaoke and Ufology (he was a regular columnist for UFO Magazine US for several years)! You can find many other figures sculpted by Mike at: https://modelcellar.com



Profile Art by Ronny Bar

Ronny Bar developed a keen interest in airplanes from an early age, living close at the El Palomar

building models: Spitfires and Messerschmitt first... Camels and Foldrers later Visiting the WW1 aircraft collection at Hendon focused his already growing interest for that historic period. His artwork is regularly appearing in journals and publications like Windsock Worldwide. Windsock Datafiles, Cross & Cockade and Over the Front.

Visit Ronny's website at: www.ronnybarprofiles.com



32601 Project Manager, Richard Alexander

Air Force Base in Buenos Aires. He first flew in

the back seat of a T-34 Mentor trainer at the age

of ten, and was soon drawing airplanes and

A native of Wellington New Zealand, Richard Alexander is an award winning scale modeller with many years of experience in the model and hobby industry, Richard has a long term interest in military history, race cars from motor sports

Richard is an accomplished modeller and has been in the model and hobby industry since 1991 and brings with him a keen eye for detail and a passion for ensuring our models are enjoyable to build. So if there is anything you don't like about this model, you can blama bim

If you have any questions about this model, comments, requests or suggestions. Richard is contactable at richardswingnutwings.com



Figure Painting by John Belcher

John's passion for painting figures started in his early teens with an interest in history, military and otherwise, and he's now been at it for over 40 years. As well as assembling and painting commercially available figures, John sculpts his

own figures from scratch. Over the years John has received many awards for his work, these include multiple "best in show" awards at national level in New Zealand and Australia, gold medals nationally and internationally in the USA and in England at the prestigious Euro Militaire.



32601	1/32 Albatros D.V "Manfred von Richthofen"	Qty
0132009A	A parts	1
0132009B	B parts	1
0132009C	Cparts	1
0132009D	D parts	2
132E0005	E parts Merc D.III engine	1
0132009F	Fparts	1
0132601P	Photo-etched metal parts	1
7132601	Instructions	1
9132601	Decals	1
54601	Figure	1
3		

If you have any damaged or missing parts please contact help@wingnutwings.com for assistance.







32070 - Sopwith R1 Carnel "Br.1"

Also available from www.wingnutwings.com

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