

The resolutionary Andrea D. All most accorption (pitcher extent service in late 1912 and can trace it longs place for privateurs Flags). Assister 5 222, partner for a thick candiders vising design serval suffered to increase lift and related eng. This candiders up dispute to sufficient to harder of permitten of a subset of permitten of a capital candidate of the private for the permitten of the permitten of the capital candidates of the capital capital candidates capital candidates capital candidates capital capi

The qualified recens of the 37 protectory encouraged Junkers to develop a production version factors as the 39 which featured numerous changes, the more of crossor of which as an applicated basings and influentation of the 200 are of thinging beyond transprosed protection protection. It is a simple of the size of 200 keV 1975 and 1976 are of 1976 are o

WVV) come rebuses are contention at the best of times and we have done out best to provide what we consider to be accurate guinting information for this model and, while we bee been an anticolous as we could be. In mose one will use find our choice to their hilling, and hillingive spect on an abandood Anabers D.1 (now believed to be \$1507.16) found at lever, belgum after the Aemastics mote that "The very are painted a pale geen, with a state of the second of the state of the second of th

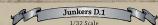
we specified your feet vector of patient tunes to require the mean of the property of the received of the mean of the property of the received of the media of 1919 with a mergalisty applied translatered and cannot dispersion throught to be a property green.

Schard Alexander 2018
Wingspan (0.1): Length (Short): Max Weight: Max Speed.

9.0m (28.50) 6.7m (22tt) 8558 (1841 lb) 1764ph (109 mph)

40 May 1918 to February 1919 180hp & 200hp Daimler-Mercedes D.IIIa or D.IIIau
Crilling
Approx 6000m (19685ft) 2x 7-92mm LMG 0815 "Spandau" Machine Guns

Junkers DI Windock Datafile 23, PM Greez 1992. - Junkers Monoplanes at Wes Windock Datafile 133, Harry Woodmann 2008 Flight Clebul Acribines, April 1920 (nown diptyplas) arom - Junkers DI (19), Soweny Heisicher, Kazzy 2010 Air Enthusiast Twenty-Free, August-November 1984 - The Junkers Monoplanes, Profile Publications, Hugh W Gowin 1967 1944-18 Aviation Hertage Trust - The Vintage Aviator LTD - Privates Cellections



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 polyurethan resin parts (finduled). Beware of sharp edges on metal parts. Warning:

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 instruction. Assembly:

Rigging: 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 turnbuckles.

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

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. This will make it easier to maneuver them into the correct position.

Construction Step Part Number

Photo Etch Part













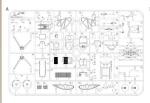


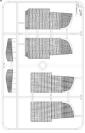


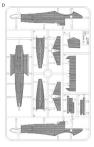




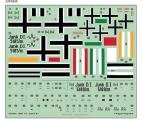
| All colours | Tamiya | Humbrol | Federal Standard |
|----------------------------|------------------------------|--------------------------|------------------|
| a Brass | X31 | 54 | |
| b Gun Metal | X10 | 27004 | |
| 6 Aluminium - matt | XF16 | 27001 | |
| d Black - matt | XF1 | 33 | |
| e Chocolate Brown - matt | XF10(x5) + XF1(x2) | 251 | 30045 |
| f Leather - semi gloss | XF52 | 62 | 30219 |
| g Rubber - matt | XF69 | 66 | 35042 |
| h Light Grey Green - matt | XF76 | 240 | 24424 |
| Aluminium - bright | X11 | 27002 | |
| j Rust - matt | XF9 | 113 | 20061 |
| k White - matt | XF2 | 34 | |
| Light Wood* - semi gloss | XF59 | 93 | 33245 |
| m Dark Wood* - semi gloss | XF68 | 98 | 30111 |
| n Linen - matt | XF60 | 83 | 33440 |
| O Light Blue - matt | XF2(x10) + XF18(x1) | 34(x10) + 96(x1) | 25550 |
| Grey Green - matt | XF22 | 92 | 34159 |
| g Dark Field Grey - matt | XF65 | 116 | 30111 |
| Pale Green - matt | XF71 | 78 | 34227 |
| S Light Mauve - matt | X16(x1) + XF52(x1) + XF2(x1) | 68(x1) + 29(x1) + 34(x1) | |
| t Off White - matt | XF2(x10) + XF55(x1) | 34(x10) + 148(x1) | 37886 |
| U Camouflage Overspray - n | natt XF65(x1) + XF86(x1) | 116(x1) + 49(x1) | |
| V Dull Brass - matt | X12(x5) + XF1(x2) | 16(x5) + 33(x2) | |
| W Red - matt | XF7 | 60 | |



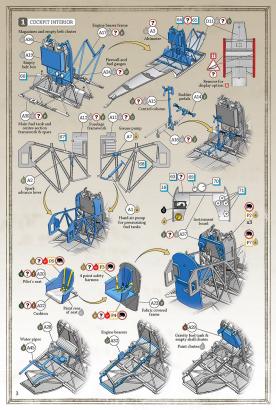


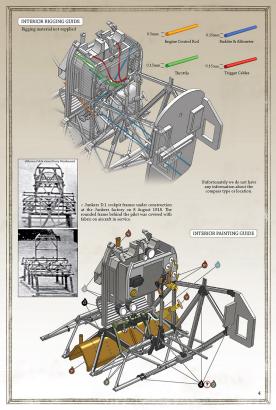












180hp DAIMLER-MERCEDES D.IIIa engine prior to restoration





Port side of the engine, the red-brown pipe carries the plug leads from the magnetos to the spark plugs.



Large air pump (23) characteristic of the 180hp Daimler Mercedes D.IIIa.



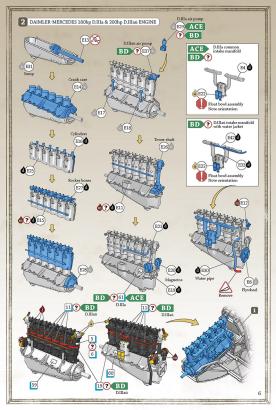
Starboard side of the engine. Note the position of the data plate.



Rear port view showing the empty magneto mounts, water pipe and spark plug details.



Rear starboard view.



200hp DAIMLER-MERCEDES D.IIIaŭ ENGINE DETAILS



Detail of the horizontal air pump associated with the 200hp



Overhead camshaft and valve gear rocker details.



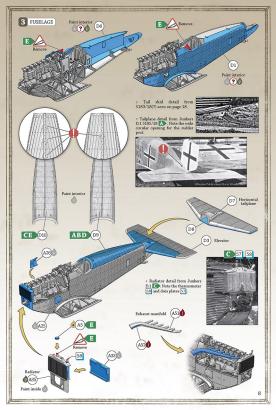
Water jacketed intake manifold and carburetor intake detail. A mount for the generator 4 can be seen at right but the actual generator was very rarely installed in fighter aircraft unless used to power an electrically heated flight suit or wireless transmitter.

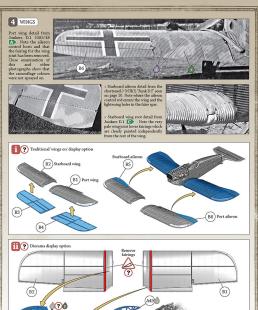


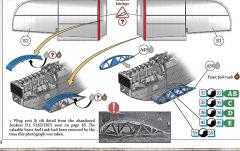
The red bands 11 & 19 are not always clearly visible in archive photos but should be applied around every cylinder to indicate that they are over compressed.

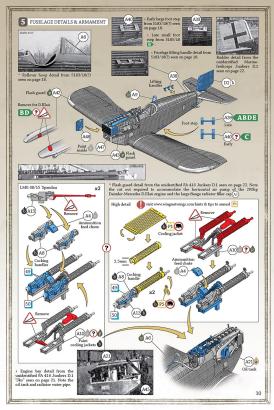


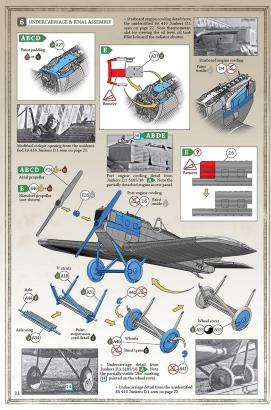
Rear of the engine showing magneto and generator belt cover details.

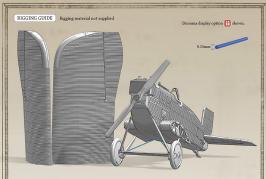








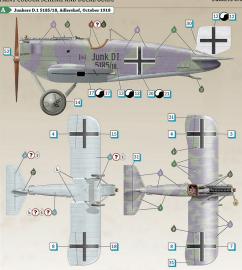




If you enjoyed building your Junkers D.1 why not try one of our more traditional First World War models. If you do, we highly recommend using stretchy elastic type rigging material like "EX Line" et can don't trying to replicate any turnbuckles. Hyou Gollow this advice and the hints & tips on our website you will find that rigging is nowhere as frightening as many people try and make it appear. (rive it as Jone 1997).



Junkers D.1 "Weisser Schwanz" with it's wings and tail removed, presumably inside hangar 5 at Romerantin. Note the main petrol tank in the wing root and the starboard engine cowling [04] on the ground under the fuselage.

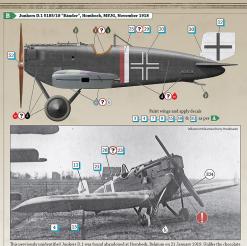


Newly completed 180hp Daimler-Mercedes D.IIIa powered Junkers 5185/18 is illustrated here as delivered in October 1918. It is believed that Junkers D. 5185/18 was another, dispatched to the front by rail on 2 October 1918 for service with the Marine-Feld-Jagdgechwader (MFK) in Belgium, See also 18-5.





Junkers D. S. 1885/18 is shown here in September or October 1918. The factory applied camouflage consisted of "pale green, with irregular pathese of light massers on top "while the undersides are of while or possibly light blue as illustrated above. Although appearing to be applied with a sayary gun, the paint is actually applied by brush. Note the partially understend engine the state of the partially understend engine the state of the partially understend engine the state of the partially understend engine the partially understend eng



This unidentified Junkers D.1 bears numerous similarities to 5188/13 above (including a small dent in the corner of the nadator) and may above it before the fuselage was fully overpainted and the band matrings of the state of



5183/187) then it was a decidedly off white pale cream colour t or very light blue t although the underside of the fuselage may very well be white t The pilot at the centre appears to be recovering from a head wound.



Junkers D1. Weiser Schounz. (white tall was another aircraft found abundanced at Hombeels on 21. January 1939. It was undergarnly transported to Remeration by the Americans for torque and, one personness, a thorough investigation. It is in believed that this aircraft is finished in the same chocolate brown "overpained fundage," pale green." [light manow" and white a submers D1. Stall parts [1947] from all andonored at Power-Durget the Junkers D1. Bring men with suspicion by many plots it was unders D1. Stall parts for the part of the property of the pr

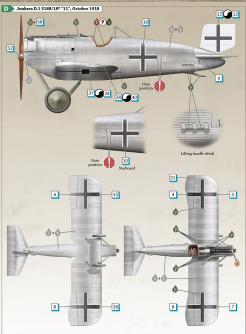


Junkers D.1 Weisser Schwam' inside hangur 5 at Romerantin. Note the repair patch on the rudder, camoudtage pattern on the starboard wing and numerous scatches etc which can be used as "integreptint" to identify each airframe. The New Musable rubber types had been removed before Weisser Schwam' was found abandoned at Hombeek on 23 January 310 but the rubber types had been removed before Weisser Schwam' was found abandoned at Hombeek on 23 January 310 but the following the schwam of the sc





Junkers D.1 "Weisers Schwanz" outside hangar S at Romerantin. Note the tones of the "pale greem" and "light masure" camous large on the wings. Despite being quite well photographide it is not known if the foot step was the large early type (a) seen on J. 9 J // (1540/18) J 9 // (1, J 9 // (10 // 10



This Juner D.1 was photographed on it is back following an accident on 3 October 1938 which presumably occurred Juning testing, Unfortunately it is not possible to determine whether it was powered by a 1800 painter Jercerced SIM or 2001b.

D.Illia engine but we have chosen to illustrate it with the latter. The wings and fuselage are unpainted duradumin and feature the irregular and subset 'ligar stripe' finish moted on other unpaired J and D.1. The redder has been painted with set and the wheel covers have been painted in a colour believed to be the pretry standard German Army grey gere illustrated here. There is a factory own deminer? T-17 patient for the tail under the pretry internated sightless. Vest the small stretch on the dips of the standard of the pretry and the standard of the stan



This unidentified 180kp Daimler-Merceles D.IIIa powered Junkers D.I was one of about a dozen or so that served with Heiger-Arbeitung 161 (64.41) of Kampigerodused Sachmerber, 1109.11 labe other Kampigerobouder Sachmerber, Junkers D.I seen in mid to late 1919, the factory applied finish has been thinjt overspainted with a camoutlage colour, thought to be a goog-green, that has partially obscured the national materings and send number (although 158/181/181 [82]). Junksuble it is completely unverified). It is not known for certain if Gotthard Sachmerberg, Theo Osterkamp or Josef Jacobs Bee this specific FA4 di acract the with to foer Junkers D. Jacobs Beet with profits of the completely applied to the send of the send of the complete of the send of the se

Theodore Osterkamp served as an observer until he undervent pilot training in March 1918. He flew with MEJ 1 from 14 April 1917 and was credited with his first victory on 30 April 1917 and was made made commander of MEJ In on 15 October 1917. He had been credited with a total of 32 victories by the Amistics and served with FA 416 in 1919. He joined the Luttwaffe in 1935 and was credited with 6 additional victories between 11 May 1940 and 19 July 1940. Osterkamp died on 2 January 1975 aged 82.

Josef Eardon was a trained critical might and joined the German Aff Service when war broke out. He flew Folker Eindeckers in 1916 and was credited part Josef Jacob (as Jacob and Jacob an



180mp Dammer-Mercedes D.III.a powered Junkers D.1 reportedly photographed at Peterfelde, Lativa on 9 October 1919. Note the thinly overpainted rudder, tailplane, fuselage and upper surface of the wings. It is not confirmed if this finish extended to the undersides of the wings. A Fokker D.VII can be seen in the background.



Kampfgsechwader Sachenberg being prepared for flight in mid 1919. Note that the port engine coveling panel immediately behind the radiator has been removed from all 3 aircraft presumably to improve engine cooling during summer. All wear a similar overpainted camouflage finish to \$\mathbb{D}\$ and, like other Junkers D.1 of \$PA 415, carry no obvious individual markings. Not seen in this image are 3 Junkers Cl.1 of \$PA 417 in the background.



This 200th Daimler-Merceder D.Illain powered lunkers D.I. of FA A16 from Kampfageschwader Sachnenberg is seen here in Larix in in mid 1910. The port engine cooling panel immediately behind the radiator has been removed and the fundage aparts received a camontlage overpaint similar to \blacksquare . Note the radiator filler cap (\triangle) and thermometer. Gotthard Sachnenberg is in the middle holding a companion of the control of the control of the radiator filler cap (\triangle) and thermometer. Gotthard Sachnenberg is in the middle holding as of the radiator filler cap (\triangle) and thermometer.



This 200p, Daimber Mercedor Dilita powered Juniors D.1 was found abundoned at Ever in Belgium in January 1919 and appear similar to E-bo tri is not the same aircraft. This sixframe formed the basis of an Air Ministry report respitabile of Highly manages in April 1920 which noted that it had dealy? Deen struck by several burst or funchine-gan builder's infinishing that it had seen some action before the Armedian Companies of the Companies of the



Jankers factory photo from 8 August 1918 showing (clockwise from left) four sets of Jankers 3 9/D.1 wings (the neasers of which appear to be for 5/15/15/80/13/3) and the furthers from 3 9/IIID/3 "Link). If, the solo J.1, two disassembled 2/D, the nose of an undernfield long farslage 3/9, disassembled 3/DII, an undernfield long farslage 3/D farslage (see opposite), and the state of the state o



the original 120np Daimier-Mercedes D.11 powered steel skinned Junkers J 1 photographed on 12 December 1915.



120hp Daimler-Mercedes D.II powered steel skinned Junkers J 2 E251/16 photographed in July 1916. Although six J 2 were built it proved to be too heavy and underpowered for front line use, despite being trialled with a 160hp Daimler-Mercedes D.III engine.



160hp Daimler-Mercedes D.III powered Junkers J 7 photographed on 12 October 1919 after it's rotating wing tips had been replaced by more conventional ailerons. Note the radiator mounted above the engine and style of exhumanifold Although not legible in this print, the wheel covers carry "Junkers & Co Dassau" markings.



200hp Benz Bz.IV powered Junkers J 4 prototype photographed on 3 May 1917. The J 4 went into production as the armour plated ground attack Junkers J.1 with 227 built by Junkers-Fokker (Jfa) before production was halted in 1919.



160hp Daimler-Mercedes D.III powered Junkers J 7 photographed in July 1918, now with a nose radiator, new exhaust and post April 1918 balkenkreuz markings. Not visible in this print, the wheel covers of Junkers & Co built J 7 were now curiously marked with "Ma", most likely representing Junkers-Fokker for political and/or marketing reasons.



Frequently misidentified as the sole 185pe BMWIII powered D.1 from October 1918, this 200hp Daimler-Mercodes D.Illian powered long fuselage Junkers is now believed to almost certainly be 3 J/I photographed around the time of the 2nd fighter competition in June 1918. Note the dual papearance of the upnainted duradumin and mix of post March 1918. "fat" and undersize post May 1918 "uneven arm" balken/textu markings.



Long fuselage Junkers J 9/II powered by the experimental 195ps Benz Bz.IIIb V8 engine photographed on 20 June 1918. Note the post I May 1918 Juneen arm Jabikmeireuz marfings and comparative brightness of much of the horizontal talplame surface compared to the rest of the unpainted duralumin. This specific airframe was type tested to destruction in September 1918.





Frequently misdemitied as Junkers J 94, this 200bp Daimler-Mercedes Dillias powered Junkers (J 94III). "Junk D I" van photographelo and July 1184 (above right) and those orientees of aboving its long distalege abortance all of the reliation bong. Note the position of the past May 1195 (above right) and those orientees marking peculiar to Junkers (J 94III). "Junk D I and J 94III the production of the past May 1195 (above right)." Junk D I had additional beneating remark-label (visible above) which were replaced by righting with our production aircraft.



Junkers factory photo from later on 8 August 1918 showing (from left) the starboard wing and fuselage of J 9/II, J 9/I, both unidentified long fuselage J 9 now side by side, the incomplete short fuselage J 9 and at far right the tailplane of the camouflaged shortened (J 9/III) "Junk D I seen above. Both J 9/I & J 9/II have extended elevators fitted with rounded corners."



Junkers J 9/I (5180/18) detail from the photo above showing that it's post March 1918 fuselage & rudder balkenkreuz have been overpainted with post June 1918 balkenkreuz. Note the enlarged elevator with rounded corners and that the unique cockpit fairing from J 9/II in the background has been removed.



180hp Daimler-Mercedes D.Illa powered lunkers D.1 5180/18, photographed during non-destructive type testing at Adlershof in September 1918. Close examination of photographic evidence indicates that this is J.91/ with it's original elevator reinstalled, updated undercarriage and painted in camoultage. Note the unique position of the post June 1918 "even arm" balkenkreuz markings on the wings.



A sole Junkers D.1 was fitted with a 185ps (230hp) BMWIIIa engine in early October 1918 and this photo is thought to shought to show undergoing flight entire thin the Set off aghter competition later that month where it performs every well. Note the overall monotone finish (white paint has yet to be applied, d), also d'armament, Rupp quick release propeller boss commonly associated with the BMWIIII engine and Heire propeller.



Three unidentified FA 416 Junkers D.1 inside a Zeppelin hangar at Wainoden in March 1919. All appear to wear their original factory applied camouflage finish. Note that the middle aircraft has "Jko" painted on it's wheel covers.



Junkers D. 19 (66/18) and at least 6 other D. 10 f6 A 416 linside a more covered Zepptiin hangar at Walinoden in early 1919. Although previously misleidified as a long furstlega eircraft, Junkers D. 19 (66/18) as a short fusslega, a of all other in reseric? Junkers D. 15 identifiable in photographs available to us. Not shown here but on the other side of the hangar are aircraft from EA 417 including at least 4 Junkers C11, 27 halbertraft C2 vand 2 LVG C2U.



c An unidentified, unarmed and un-camoullaged Junkers D.1. Note the "Jfa Jfa" markings on the wheel cover indicating that it was one of the few Junkers-Fokker built aircraft. The non-corrugated panel immediately behind the radiator has not been noted on any in-service aircraft in photographs available to us. The small footier of the property of the photographs available to us. The small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the small footier is not the property of the property of the property of the small footier is not the property of the property of the property of the small footier is not the property of the property of the property of the small footier is not the property of the property of the property of the property of the small footier is not the property of th



This unidentified 200hp Daimler-Mercedes D.IIIau powered FA 416 Junkers D.1 is seen here at Wainoden in early 1919. Note the cut away cockpit front fairing which was a feature of the later production Junkers D.1 from this unit. The fuselage weathering and camouflage is similar to that seen on the uncowled aircraft seen on page 21 and this could very well be the same aircraft. Not shown here but in the background of the original print are LVG C.VI 9037/18? and Junkers Cl.1 "K" from FA 417 along with another unidentified FA 416 Junkers D.1.



Product Design by Jason McAdam

From a very early age Jason has embraced his creative side, whether it be through drawing or modelling. This creative nature was strongly grafted with a passion for transportation design, whether it be by land, air or sea.

Having graduated with an honours degree in Industrial Design Jason has gone on to develop his skills further in his design work with Weta Digital. While at Weta, Jason has continued to push the boundaries of software technologies and applications, with a keen eve for detail

This passion for design comes hand in hand with a love of sport and recreation, with motorbike riding being among the more popular of pass times.



Box Art by Steve Anderson

Steve Anderson is an avid historian of military aviation, with a special interest in the many beautiful biplanes and triplanes of World War I. The aircraft and battles of famous World War I aces such as Baron Manfred von Richthofen tter known as the "Red Baron"), James McCudden, Raoul

Lufbery, Ernst Udet, Werner Voss, and other pioneers of dogfighting are among Steve's favorite subjects. An Artist Fellow of the American Society of Aviation Artists, Steve

creates works that reflect scrupulous attention to historically accurate detail, from the colorful markings on the fuselages to the time of day of an actual battle.

Visit Steve's website at: www.anderson-art.com.



Profile Art by Ronny Bar

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

building models: Spitfires and Messerschmitt first... Camels and Folkkers later. He became a successful bass player with a career lasting over 35 years in several Rock bands, recording ten album (one of them being a National hit selling more than 100,000 copies) and performing countless concerts, TV shows and tours all over Argentina.

Now retired from the R'n'R scene, his interest returned to his early passion: Aviation Artwork, 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



32065 Product Manager, Richard Alexander

A native of Wellington New Zealand, Richard Alexander has a long term interest in military history, race cars & local drivers from motor sports golden era of the '60's. Other interests

include mountain biking, scotch and cigars An accomplished modeller Richard's models have twice been awarded Best Overall in Show at IPMS(NZ) National Conventions and earned him the inaugural TamiyaCon(NZ) Master Modeller award (along with the associated trip to Japan) in 2001, Many of his works are in private collections around the world, though he no longer accepts commissions.

Richard 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 blame him.

If you do have comments, requests or suggestions, Richard is contactable at richard@wingnutwings.com



| 32065 | 1/32 Junkers D.1 | Qty |
|----------|---------------------------|-----|
| 0132065A | Aparts | 1 |
| 0132065B | B parts | 1 |
| 0132065D | D parts | 1 |
| 132E0005 | E parts Merc D.III engine | 1 |
| 0132065P | Photo-etched metal parts | 1 |
| 7132065 | Instructions | 1 |
| 9132065 | Decals | 1 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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







Also available from www.wingnutwings.com

©2018 Wingnut Wings Ltd. PO Box 15-319 Miramar, Wellington 6022 New Zealand. All rights reserved. Designed in New Zealand - Manufactured in China.