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£4.60 November 2020 ISSUE 301

**THERE'S BEEN A
MARDER!**
TAMIYA'S NEW 1:35
MARDER I BEGINS

Model MAGAZINE

INTERNATIONAL



**RELEASE THE
TURBO PRESSURE!**
MODEL FACTORY HIRO'S 1:12 LANCIA
BETA MONTECARLO TURBO GR.5



25 YEARS AND STILL GOING GOOD

TAMIYA'S 1995 1:48 P-51B MUSTANG 'QUEEN JEAN' GETS RIVETED-UP

INSIDE

Hasegawa 1:72 Brewster Buffalo, Tamiya 1:12 Monkey bikes X3,
plus new kits, books and modelling accessories...

DOUGLITTLE
MEDIA



01

Honda CBR1000RR-R FIREBLADE SP

1/12 Motorcycle Series (Item 14138)

1/12
SCALE

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RR-R SP



The Complete Package

Legendary motorcycle manufacturer Honda wowed the world again in 2019 with the announcement of the CBR1000RR-R Fireblade, a bike built to ride the roads, but with a decidedly circuit-oriented feel: its powerful 999cc engine pumps out a class-leading 217.5PS, augmented by a full suite of electronics designed to help the rider use the motorcycle to its maximum potential, plus electronically controlled suspension on the high grade SP specification bike. Next-level aerodynamics integrate triple winglets in either side cowl. This sleek powerhouse now makes its way into the extensive Tamiya 1/12 Motorcycle Series of models, dripping with scale detail and ready to be the next hot thing in your collection.



Slide molded fuel tank and tank cover components capture the complex shapes in style.

Choose whether to assemble with the standard tandem or the optional single seat design.

Add another layer of breathtaking detail!

Detail-Up Parts Series

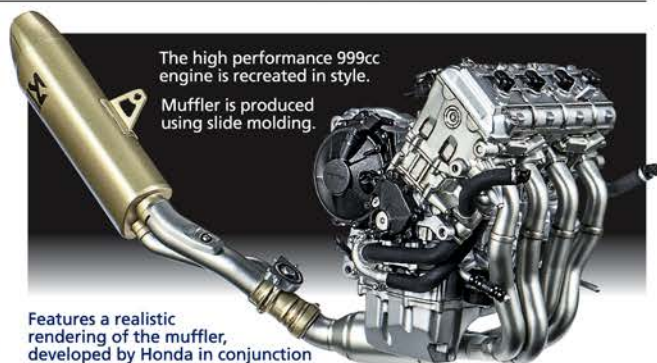
**1/12 Honda CBR1000RR-R
Front Fork Set**

Item 12690 (sold separately)

On Sale Now!



★Images show assembled and painted kit. ★Product may vary from images shown. ★Models shown have separately sold Item 12690 installed.



The high performance 999cc engine is recreated in style.
Muffer is produced using slide molding.

Features a realistic rendering of the muffer, developed by Honda in conjunction with racing brand Akrapovic.

★Engine, swing arm, front fork and muffer are screw-attached to the frame. ★Side and under cowls are removable. ★Brake discs have drill holes recreated. ★Metal transfers depict mirror surfaces.



Racing stand included.

Comes with decals for two liveries, and masking stickers.

Length: 176mm Width: 68mm Height: 96mm

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HONDA
Official Licensed Product

TAMIYA

36 RELEASE THE TURBO PRESSURE!

Model Factory Hiro's 1:12 Lancia Beta Montecarlo Turbo GR.5



Model MAGAZINE INTERNATIONAL

Issue 301 November 2020

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Construction on Tamiya's new 1:35 Marder I begins



COVER STORY

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Building Tamiya's 1:48 P-51B Mustang from 1995



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IN BRIEF...



TAMIYA

- 1:32 Mini4WD Honda e (VZ)
- 1:32 Mini4WD Neo-VQS (VZ) Advanced Pack
- RC Car Maintenance Stand (Blue)
- 1:10 RC Volkswagen Scirocco GT Black Painted Body (TT-01 Type-E)

hobbyco.net



CLEARPROP

- 1:48 XA2D-1 Skyhawk

clearpropmodels.com



MINIART

- 1:35 Pz.Kpfw.IV Ausf.J Nibelungenwerk Late Production
- 1:35 US Infantry Weapons and Equipment

creativemodels.co.uk



MODELSVIT

- 1:48 F-82 F/G Twin Mustang

modelsvit-eshop.com



REVELL

- 1:72 Sturmpanzer 38(t) Grille Ausf.M
- 1:72 Sd.Kfz. 138 Marder III Ausf.M
- 1:76 M24 Chaffee
- 1:72 SCUD-B
- 1:48 Tornado GR.4 Farewell
- 1:25 Model-Set '62 Shelby Cobra 289

revell.de/en



RYE FIELD MODEL

- 1:35 T-34/85 Model 1944 No.174 Factory
- 1:35 M-ATV resin flat tyres
- 1:35 M4E3 76W HVSS PE detail set
- 1:35 MRAP radio set

tigerhobbies.co.uk



STAR DECALS

- 1:48 T-55A Balkans
- 1:48 T-55A Cold War
- 1:48 T-55A At War

star-decals.net



TREX

- 1:35 Periscope Guards for WWII US AFV
- 1:35 Light Guards for WWII US AFV
- 1:35 Fire Extinguisher Late Version for WWII German Panzer

t-rex-studio.com

ZVEZDA

- 1:72 German Panzergranadiers

hobbyco.net



NEW FROM TAMIYA 1:24 Lotus Europa Special

This is the first re-issue in ten years for Tamiya's 1:24 Lotus Europa Special and it includes a number of updates to the kit: the engine can be viewed after completion, new air funnels and new parts for a rear wing and RS Watanabe option wheels are included, plus redesigned decals, new photo-etched front grille, seatbelt stickers with Lotus logo, emblems and mirror surfaces as metal transfers

www.hobbyco.net



NEW FROM TAMIYA 1:24 Lotus Super 7 Series II

The Super 7 is a legendary kit-car that spawned legions of fans since its release in 1957 and it lives on today, manufactured by Caterham. The kit features a Ford Cosworth engine under the opening bonnet, the decals have been redesigned for this model and also included are seatbelt stickers.

www.hobbyco.net

NEW FROM TAMIYA 1:35 Panzerkampfwagen IV Ausf.F

Tamiya carried out in-depth research at the German Tank Museum in Munster to create this highly accurate kit, which features new parts, with only the lower hull and wheels being existing mouldings. Link-and-length tracks capture the main Ausf.F design with lightened centre guide sections, assembly jig included. The kit will come with commander, gunner and loader figures plus markings for two Eastern Front tanks.

www.hobbyco.net



NEW FROM TAMIYA 1:20 Fiat 131 Abarth Rally Olio Fiat

This is the first re-issue for the venerable Tamiya kit in twenty-one years and the first time with this new livery. The model features a detailed replica of the two-litre engine, roll cage-equipped interior, suspension and boot interior. High quality Cartograf decals and driver and co-driver figures included.

www.hobbyco.net



NEW FROM ZVEZDA 1:72 Lockheed C-130H Hercules

By the time you read this, Zvezda's all-new, 1:72 H-model Hercules should be in the shops - and it looks good.

www.hobbyco.net



NEW FROM TAMIYA New Masking Tapes

Three widths of narrow masking tape are on the way from Tamiya: 1mm, 2mm and 3mm.

www.hobbyco.net



NEW FROM REVELL 1:48 B-29 Super Fortress (Platinum Edition)

Revell/Monogram's iconic Super Fortress in 1:48 gets the 'Platinum Edition' treatment here, which means the inclusion of Eduard's photo-etched detail sets for the cockpit interior. Make a large space in your display cabinet...
www.revell.de/en



NEW FROM REVELL 1:72 PT-76B

New decals are included in the box of Revell's excellent little Soviet PT-76B amphibious tank.
www.revell.de/en



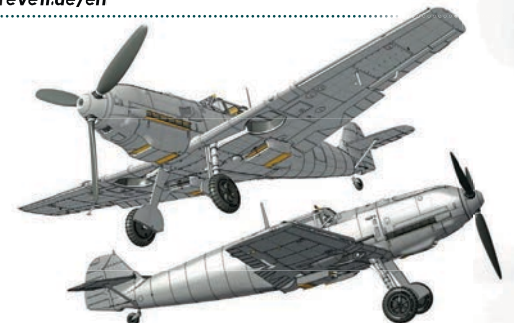
NEW FROM REVELL 1:72 M109A6 Paladin

A NATO three-tone and desert sand finishes can be applied to Revell's 1:72 M109A6 Paladin self-propelled howitzer.
www.revell.de/en



NEW FROM ALPHA MODEL 1:24 Aston Martin DBS Superleggera

This is a mostly resin kit of the amazing Aston Martin DBS Superleggera and is a 'curbside' presentation. Fantastic detail all round.
www.alphamodelkit.com



NEW FROM WINGSY KITS 1:48 Bf109 Emil

Wingsy Kits are planning to release the E-3 and E-4/E7 plus E-3a Bf109s Emil in 1:48.
www.wingsykits.com



NEW FROM KIT FORM SERVICES 1:24 BAC Bloodhound Mk2 Launcher And Missile

This kit comprises seventy-five parts in resin, seventy-four in white metal plus 129 in photo-etched brass. Piping and wiring diagrams plus all required materials included!
www.kitformservices.com



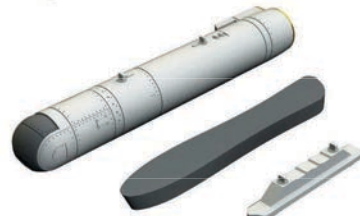
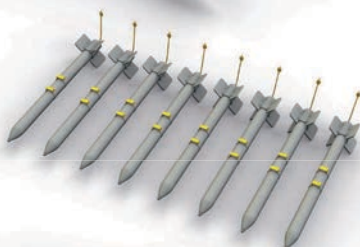
NEW FROM MINIART 1:35 German Tractor D8506 Mod.1937

This new kit depicts a German agricultural tractor from the 1930s and as such, would be at home in dioramas presenting scenes from the Second World War. Expect great detail everywhere.
www.creativemodels.co.uk



COMING SOON FROM EDUARD

- Brassin 1:32 AIM-54 Phoenix
 - Brassin 1:32 HVAR rockets
 - Brassin 1:48 P-51D-5 Mustang Look Set
 - Brassin 1:48 B-17G Flying Fortress undercarriage legs
 - Brassin 1:48 AN/ALQ-99 pod Low Band
 - Brassin 1:48 Tiger Moth wheels
- www.creativemodels.co.uk
www.eduard.com



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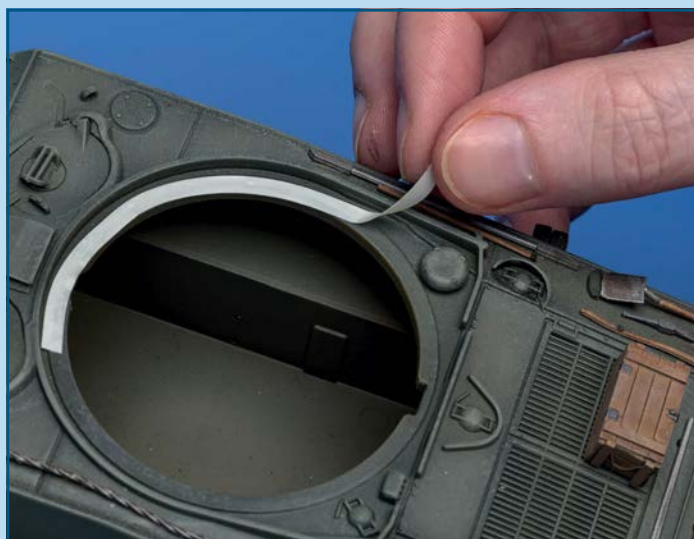
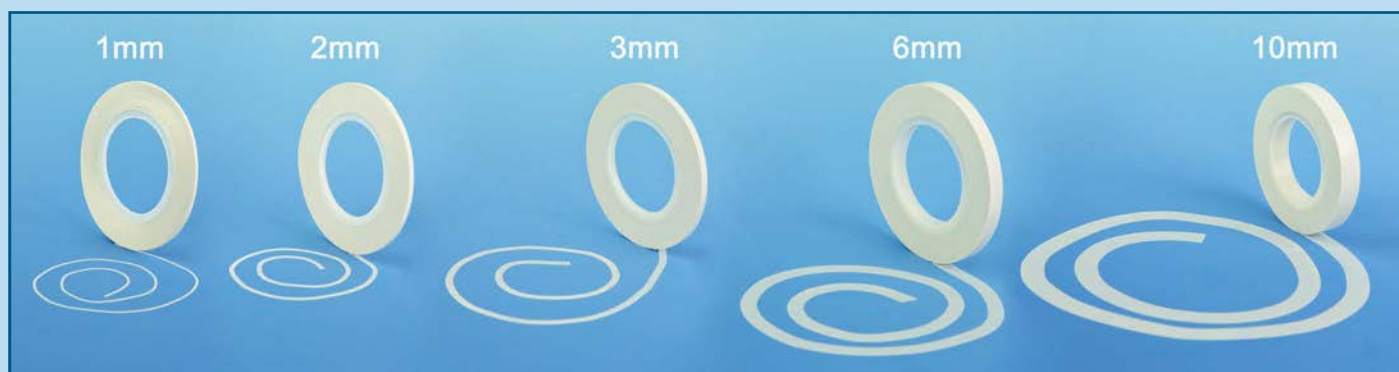
We have teamed up with our friends at Model Craft so we can offer you a special gift for subscribing with us for 24 issues.

Flexible Masking Tape Set

These making tapes are ideal for Modelling, Airbrushing, Arts, Craft, Hobby and even those smaller DIY tasks. The tape sticks, stays and removes cleanly. It is also U.V. protected for masking in direct sunlight.

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(Photocopies of this form are acceptable)

QUE



Jason Brewer resurrects Tamiya's 1:48 P-51B Mustang from his 'shelf of doom' and discovers that it's still a great kit, even after quarter of a century!

EN JEAN,

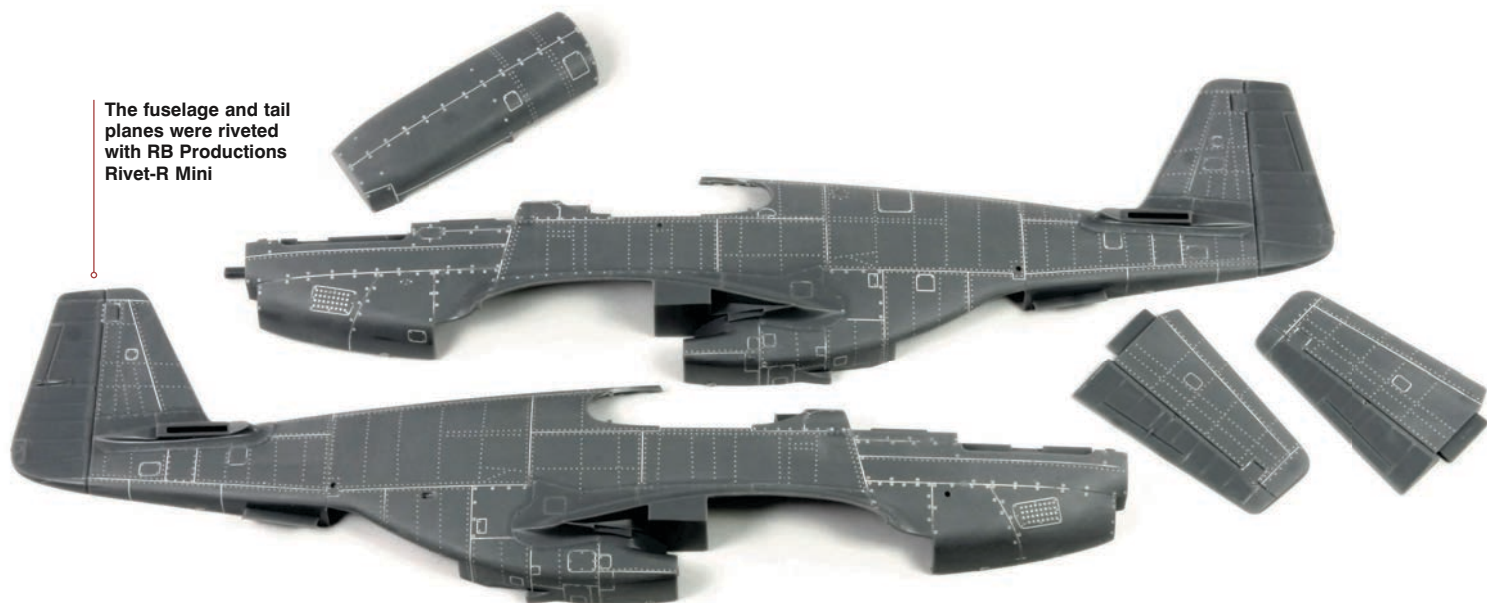
25 YEARS ON



FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

TAMIYA 1:48 P-51B MUSTANG ● KIT NO.61042

The fuselage and tail planes were riveted with RB Productions Rivet-R Mini



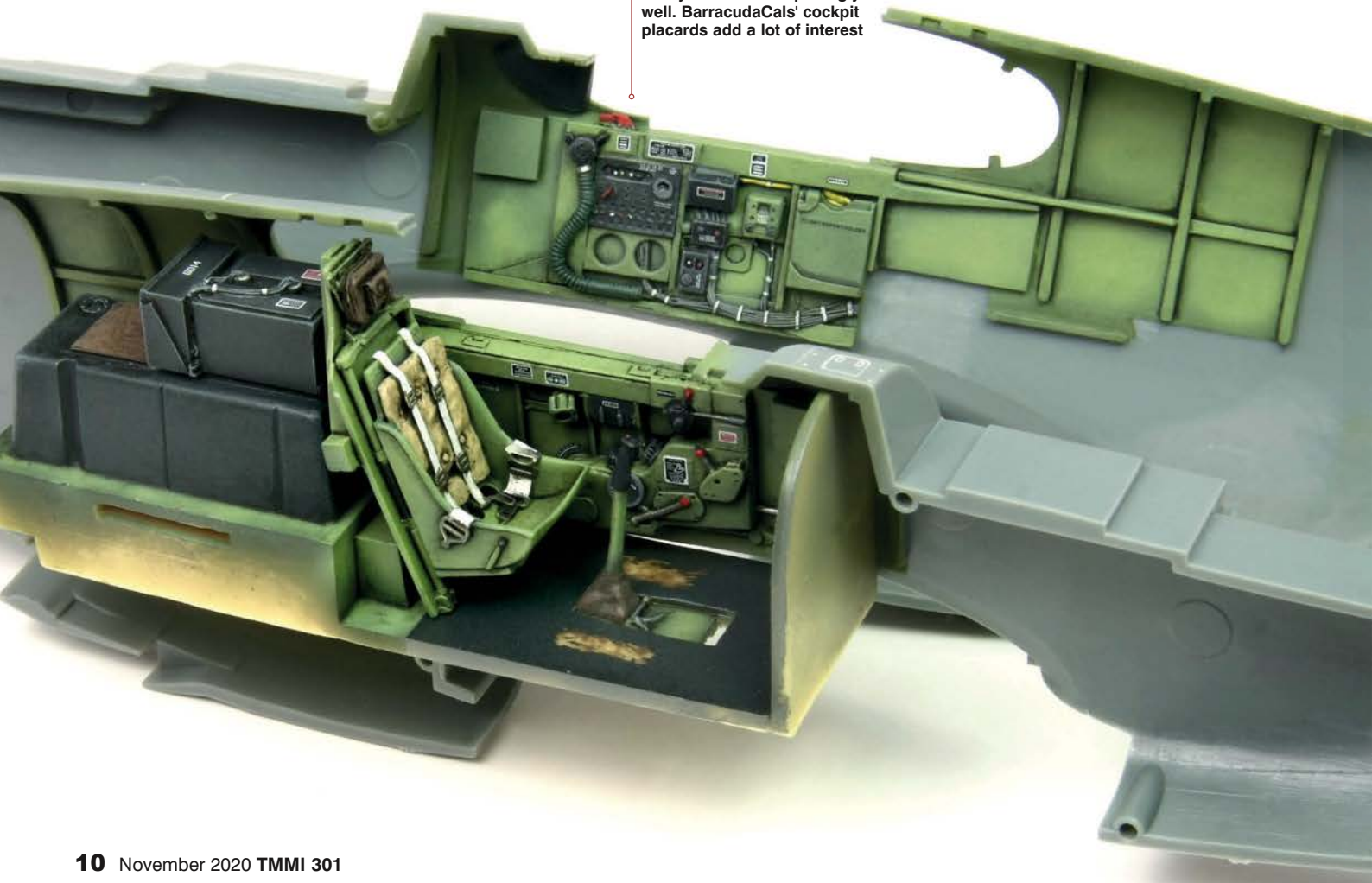
Tamiya kits are frequently called 'shake-n-bake' wonders, yet this one sat for years, half-started in my closet, waiting to find the right markings to make me want to finish it. I stumbled

across a set of decals from AMDG with 'Queen Jean' on the sheet and it was all the inspiration I needed. Before getting stuffed back in the closet a few years ago, I had fully riveted the fuselage using the RB Productions

Rivet-R Mini. Getting to work I started with the Aires cockpit, which is actually one of the company's more drop-fit affairs, requiring only the removal of the moulded sidewall detail for the resin replacements. This

was painted-up with AK Interactive Real Colors US Interior Green and details picked out with Vallejo acrylics. BarracudaCals excellent cockpit placards were used for an extra bit of pop.

The Aires cockpit painted up nicely and fitted surprisingly well. BarracudaCals' cockpit placards add a lot of interest



One area I thought really needed attention was the kit's gun barrels. Drilling out the tips wasn't going to cut it, so I drilled out the barrels entirely and replaced them with slide-fit tubing from Albion Alloys. I also filled all of the panel lines in the wings with AK's Modelling Grey Putty, impressive stuff. With all of that done it was simply a matter of throwing everything together in typical Tamiya fashion. Fit all around was excellent, as expected. I employed Ultracast's comprehensive suite of corrections/upgrades including spinner, prop, exhaust, flaps, and wheels.

As for painting - all of the markings were painted on using a combination of custom cut paint masks and

Tamiya tape. Alclads were used for the metal sections and AK Real Colors were used for everything else. The only decals on the model are the 'Queen Jean' script on the nose and the playing cards. I kept the weathering light with AMMO's Panel Line Wash product used for washes and AK's Matt Varnish for the final finish. The kit's 'Malcolm' hood doesn't fit in the open position so I replaced it with a vacuum-formed piece from Squadron. In the end I'm quite pleased with the results and happy that I stumbled across the markings that inspired me to save this one from the 'shelf of doom'. Twenty-five years after release, this is still a fantastic kit to build! ●



The gun barrels were drilled out completely and a new set-up was built using a backing plate and Albion Alloys slide-fit brass tubing



All of the markings were painted using custom masks and Tamiya tape. Paints used were Alclad 2 and AK Interactive Real Colors

Ready for final assembly. The weathering was kept light with washes from AMMO a light exhaust stain airbrushed with heavily thinned Tamiya acrylics



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FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

TAMIYA 1:48 P-51B MUSTANG ● KIT NO.61042

TECHSPEC...

TAMIYA 1:48 P-51B MUSTANG
KIT NO.61042

Materials;

- Injection-moulded polystyrene, polycap, waterslide decals

Paints used:

- Tamiya Acrylics
- AK Interactive: Real Colors, Matt Varnish
- Alclad 2: Metals
- Vallejo: Model Color
- AMMO of Mig Jimenez

Materials and tools used:

- Tamiya Extra Thin Cement
- Tamiya Masking Tape
- Sprue Cutters
- Tweezers
- Cyanoacrylate Glue
- Mr Hobby Mr Dissolved Putty
- Future floor polish
- AMMO Ultra Glue

Airbrush used:

- Iwata HP-B Plus

Accessories used:

- Aires: Cockpit Set
- BarracudaCals: cockpit decals
- Ultracast: spinner, prop, exhaust, flaps, wheels
- Squadron: Vac canopy
- AMDG: decals

Availability;

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- BarracudaCals: www.barracudacals.com
- Aires: www.aires.cz
- Ultracast: www.ultracast.ca
- Squadron: [squadron.com](http://www.squadron.com)
- AMMO: www.migjimenez.com
- Alclad 2: www.alclad2-online.co.uk
- Vallejo: www.creativemodels.co.uk
- Albion Alloys: www.albionhobbies.com



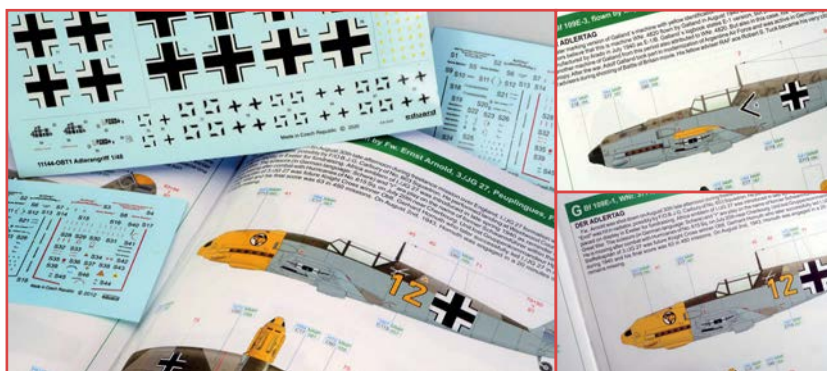
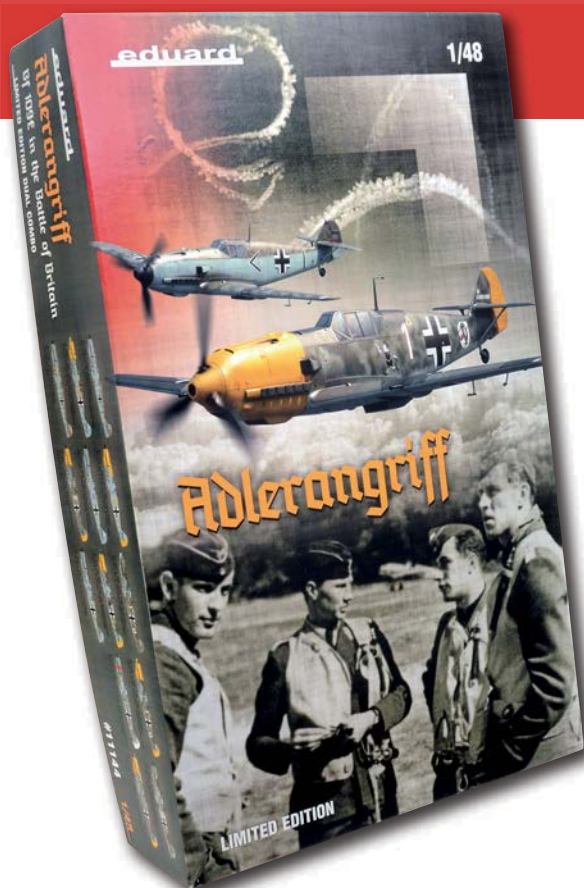


***“Twenty-five years
after release, this is still a
fantastic kit to build!”***



KIT PREVIEW

EDUARD 1:48 ADLERANGRIFF LIMITED EDITION ● KIT NO.11144



ADLERANGRIFF: EMILS OVER ENGLAND

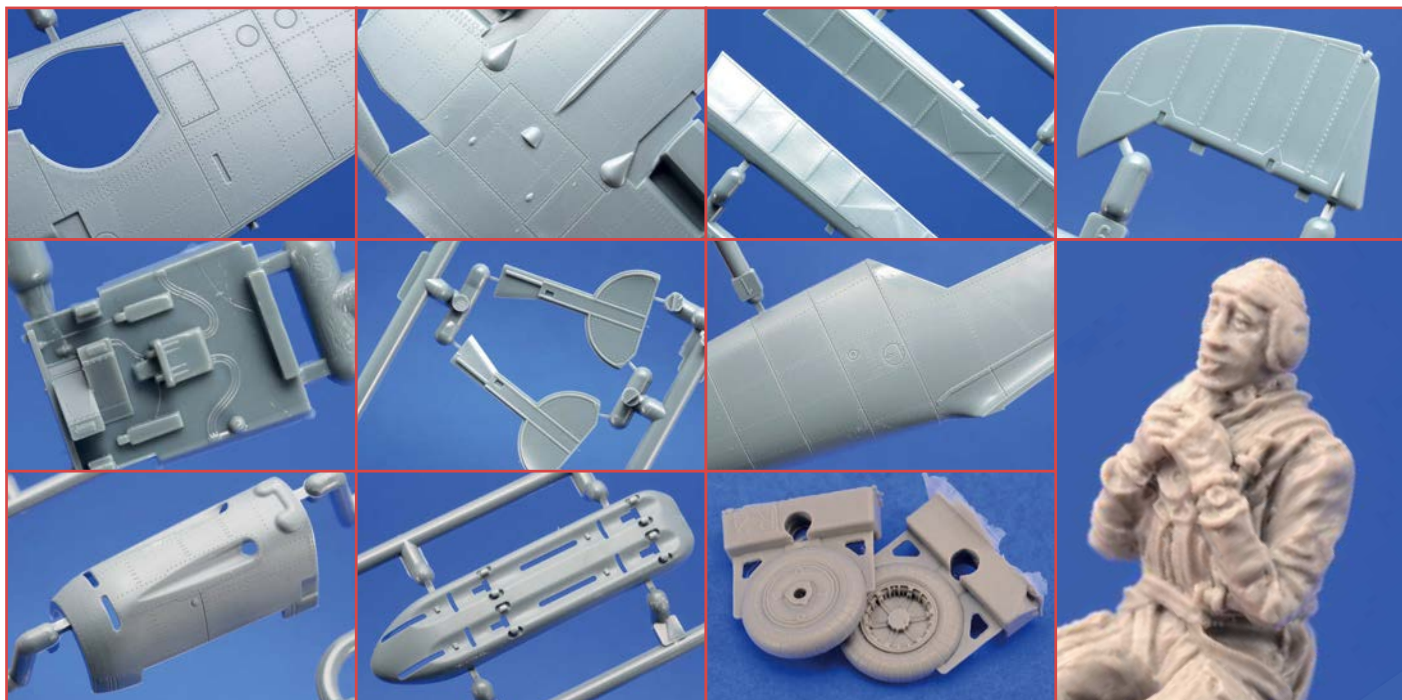
It's eighty years since the Battle of Britain took place and Eduard have commemorated it with an all-new Spitfire Mk.I plus this limited edition set of two Bf109E kits in 1:48

With 2020 marking the 80th anniversary of the Battle of Britain, Eduard released not only an exquisite new-tool Supermarine Spitfire Mk.I in 1:48, but also this limited-edition boxing of two 1:48 Messerschmitt Bf109E models with the title 'Adlerangriff' (Eagle Attack). The title refers to 'Unternehmen Adlerangriff' (Operation Eagle Attack), which was the codename for the military operation by the Luftwaffe to attack the RAF (Royal Air Force) in the summer of 1940.

Unlike the Spitfire Mk.I, the Bf109E kits themselves are not new toolings, but the thirteen (!) markings options on the included decal sheet for them are. All depict 'Emils' that took part in the Battle of Britain and the variety is most interesting. Most are camouflaged in the RLM71 Dunkelgrün, RLM02 Grau Grün and RLM65 Hellblau colours of that period but there are plenty of variations in their application and use of yellow noses/wingtips seen in the later months of the campaign. The kits are each furnished with a

pre-coloured photo-etched set plus canopy masks and to be honest, that's all they need. One can take things further of course, using Eduard's own accessories to superdetail your them, but they will build into stunning miniatures, straight from the box. Very highly recommended. ●

Eduard models and accessories are widely available from good model shops and online. www.creativemodels.co.uk
www.eduard.com



www.creativemodels.co.uk

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FULL-BUILD: STREET MOTORCYCLES
TAMIYA 1:12 HONDA MONKEY 125CC ● KIT NO.14134

HERE WE RIDIN' DOWN



COME THE STREET!

Philippe Devos takes three of Tamiya's 2019 1:12 Honda Monkey 125 kits and gives each a unique new livery!



FULL-BUILD: STREET MOTORCYCLES

TAMIYA 1:12 HONDA MONKEY 125CC ● KIT NO.14134



All operations were multiplied by three: de-spruing, clean-up and cementing. It may sound boring but in this model there are few parts and it goes really fast



The Senna bike's tank is two-tone: Light Gun Metal (TS-42) and Semi-Gloss Black (TS-29). The masking tape template supplied by Tamiya was used to precisely position the upper black portion over the previously-applied grey



The same mask was used, this time to cover the lower part of the Pearl White (TS-45) on the green motorcycle in order to spray the Mica Silver (TS-76)



For the Repsol machine, two 2mm-wide masking tape strips were applied in parallel to form a 3.5mm strip that runs on the same path as the supplied masking in the box. The Bright Red (TS-49) was sprayed over the Pure White (TS-26) and then only the lower band was removed before the red was completely dry. Thanks to the white Tamiya strip, the boundary is perfect!



The red was masked off – after thoroughly drying – and the upper band retained. The orange (TS-56) was then sprayed in thin layers until the colour was saturated. It is important to stop early enough so as not to overload the white/orange border



The Repsol and Green tanks were varnished with TS-13 Clear. The tank of the Senna bike was left as-is to retain the semi-gloss black finish, the grey having been varnished previously

Following the launch of the 1:12 Monkey 125 by Tamiya in 2019, Blue Stuff decals from France had the excellent idea of developing a small sheet of decals allowing either the reproduction the suggested liveries, or to create personalized ones without limits to one's imagination. For my part, I fell head over heels for these little critters, in particular the official Repsol and the Senna schemes which, without looking too ridiculous, pay tribute to the more 'serious' Honda RC212V and Ducati Panigale motorcycles. Other liveries are possible, in particular a magnificent 'Red Bull' scheme plus a superb blue and white (with gold border) option whose name I will not mention because it's a brand of cigarette. ☛





FULL-BUILD: STREET MOTORCYCLES

TAMIYA 1:12 HONDA MONKEY 125CC ● KIT NO.14134

❶ PEOPLE SAY WE MONKEY AROUND

Having three Monkey 125 kits 'in stock', I went with a green and white for my third choice, which looks very refreshing. If I hesitated for a moment to replace the green with pink, but I ended

up using X-28 Park Green (recommended by Bob Facon of Blue Stuff himself!), which I varnished with TS-13 Clear and Pearl White TS-45 that I had to hand. For the Senna bike, I chose a simpler TS-42 Light Gun Metal scheme (the Ducati

had been painted in TS-38 Gun Metal, much darker) plus semi-gloss black.

The Repsol bike allowed me to use up some sprays I had: TS-56 Brilliant Orange (non-fluorescent) and TS-89 for Pearl Blue but mixed with a touch of TS-50 Mica

Blue which made it lighter. Not much to say more, I refer you to Issue 285 (July 2019) of TMMI for the complete build-up article of the Monkey 125 and I'll let you check out the pictures of these three colourful Monkeys! ●





For the Repsol machine, the 'carbon-fibre' option was considered from the start of assembly but instead of applying decals, the author preferred to employ the 'mesh' technique, which acts as a template. A coat of semi-gloss black was applied, then TS-94 Metallic Grey was sprayed over the mesh stretched over the part



The painting of the shock absorber springs to match the wheels is an essential element to animate each livery!



The exhausts are elements which contribute largely to the character of the motorcycles: sober satin black for the Senna but with a restrained aggressiveness; flashy carbon-fibre for the Repsol, perhaps a poor imitation of the real material but totally in the 'over the top' spirit of the machine and bright chrome for the green bike

FULL-BUILD: STREET MOTORCYCLES

TAMIYA 1:12 HONDA MONKEY 125CC ● KIT NO.14134

TECHSPEC...

TAMIYA 1:12 HONDA MONKEY 125CC
KIT NO.13134

Materials:

- Injection-moulded polystyrene, polycaps, photo-etched metal, synthetic rubber tyres, waterslide decals

Paints used:

- Tamiya Sprays: Grey and White Primers, TS-26 Pure White, TS-29 Semi-Gloss Black, TS-83 Metallic Silver, TS-42 Light Gun Metal, TS-17 Gloss Aluminium, TS-14 Black (gloss), TS-49 Bright Red, TS-45 Pearl White, TS-76 Mica Silver, TS-56 Brilliant Orange, TS-89 Pearl Blue, TS-50 Mica Blue
- Tamiya Acrylics: X-26 Clear Orange, X-19 Smoke, X-25 Park Green, TS-94 Metallic Grey

- Tamiya Panel Line Accent Color: black
- Citadel: Chaos Black, Mithril Silver

Accessories used:

- Blue Stuff: Honda Monkey Custom Colors decal sheet (12-018)

Availability:

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- Blue Stuff: www.bluestuff.com



Spitfire Mk.Ia

1/48

ProfiPACK
edition

eduard



Marking options



Cat. No. 82151

www.eduard.com

Eduard goodies for Spitfire Mk.Ia

- 481026 Spitfire Mk.I landing flaps 1/48 (PE-Set)
- FE1102 Spitfire Mk.I seatbelts STEEL 1/48 (PE-Set)
- 644063 Spitfire Mk.I early LööK 1/48 (Brassin)
- 648578 Spitfire Mk.I cockpit 1/48 (Brassin)
- 648579 Spitfire Mk.I wheels 1/48 (Brassin)
- 648580 Spitfire Mk.I exhaust stacks 1/48 (Brassin)
- 648581 Spitfire Mk.I gun bays 1/48 (Brassin)
- 648589 Spitfire Mk.I undercarriage legs BRONZE (Brassin)
- EX709 Spitfire Mk.I TFace 1/48 (Mask)



The aircraft carrier Baku is a Project 1143 Krechyet aircraft carrier of the Soviet, now Russian Navy. **Piotr Słomiński** builds the Hobbyboss 1:700 kit and up-details it with photo-etched parts from AKA

SOVIET CARRIER BAKU AT SEA

The carrier Baku is sometimes considered a separate class due to the extensive upgrades and improvements made to her, including phased-array radar, extensive electronic warfare installations plus an expanded command and control suite. Baku now serves with the Russian Pacific Fleet. I have been fascinated by warships for a long time and I am trying

to create a collection of these models. This time I decided to build a model of Baku from Hobbyboss using photo-etched parts dedicated to this kit, made by AKA Model. I started work with the preparation of all sorts of items, such as the radar and artillery, exchanging whatever kit parts I could for photo-etched brass elements.

I painted everything as I went, using a black

undercoat and then with the top colour of Mr Hobby C317. At this stage, I also used lighter shades of grey, spraying so that a shading effect was created. At the end I applied AMMO/MIG Panel Line Wash Blue Black to deepen the shadows. Now I prepared the main island, which on this model is the size of a WW2 destroyer! First, I CA-glued the doors and

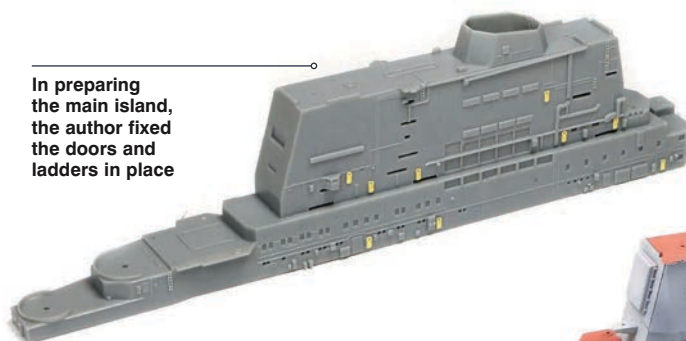


ladders in place. Similarly, as described above, I covered the whole thing with a black undercoat, then painted the top grey colours. After drying, these areas were masked off and I could paint the walls. By applying the colour C317 over a black undercoat, I tried to achieve some highlights and shadows.

PAINT THEM ON THE FRET!

Then I could start adding the smaller parts to the prepared island. The photo-etched parts were painted on their frames so that I didn't have to paint them on the model: only the small patches of bare metal where they had been cut off the fret remain to be repainted. When gluing such small and delicate parts, you have to plan the construction stages accordingly, so that when working you do not damage the previously fitted elements, which unfortunately is not easy.

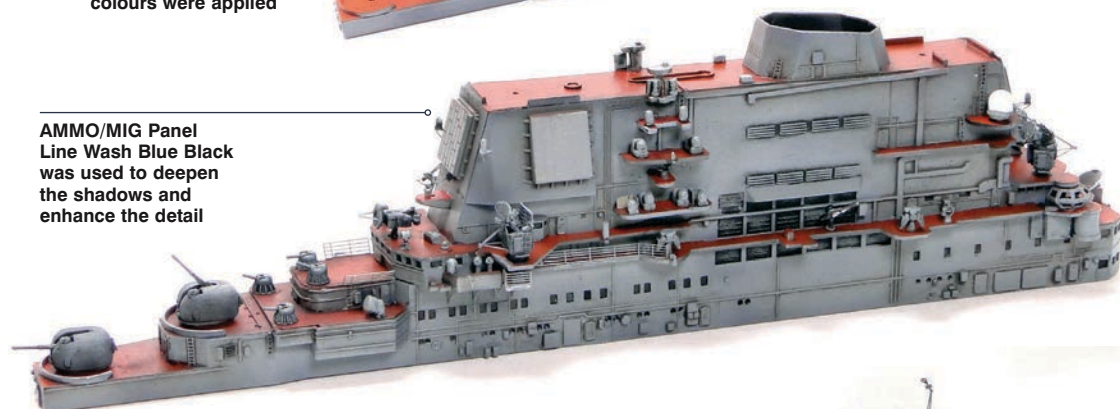
First, I added the air defence artillery and radar sets, located deeper on the decks. Then, starting from the bottom, I glued the railings, ending on the 'roof' where I fitted the previously prepared main radar arrays. Everything was then sealed with Alclad 2 Matt Varnish. Now I could start preparing the hull. ▶



In preparing the main island, the author fixed the doors and ladders in place

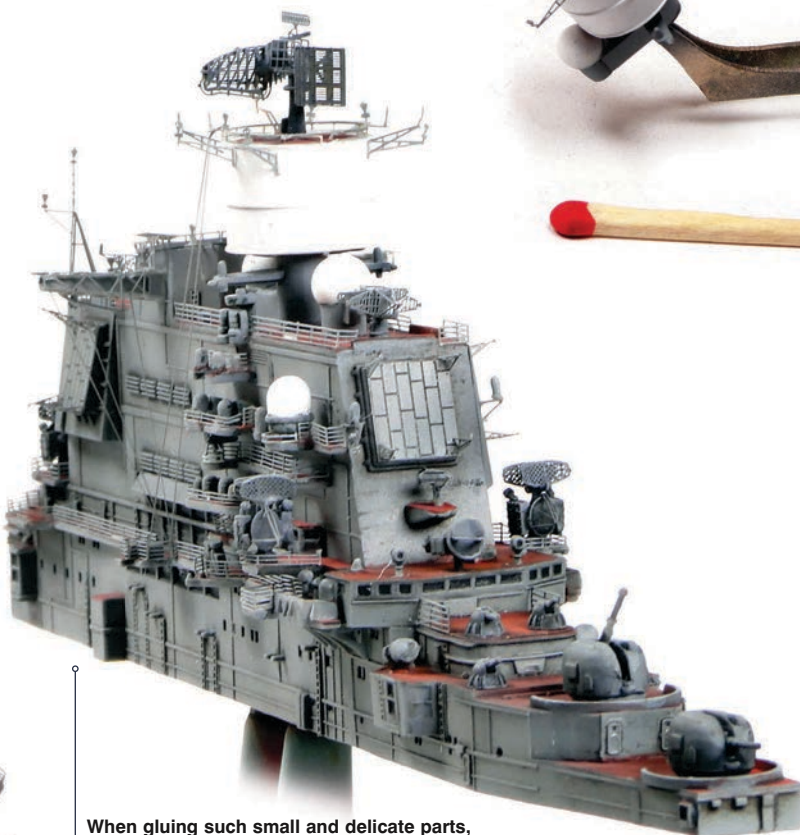


The whole thing was given a black undercoat, then the top grey and red deck colours were applied



AMMO/MIG Panel Line Wash Blue Black was used to deepen the shadows and enhance the detail

Work started in the preparation of detail parts, such as the radar, exchanging kit parts for their photo-etched brass equivalents



When gluing such small and delicate parts, one must plan the construction stages accordingly, so that when working you do not damage the previously fitted elements

FULL-BUILD: MILITARY MODEL SHIP

HOBBYBOSS 1:700 SOVIET AIRCRAFT CARRIER BAKU ● KIT NO.83416

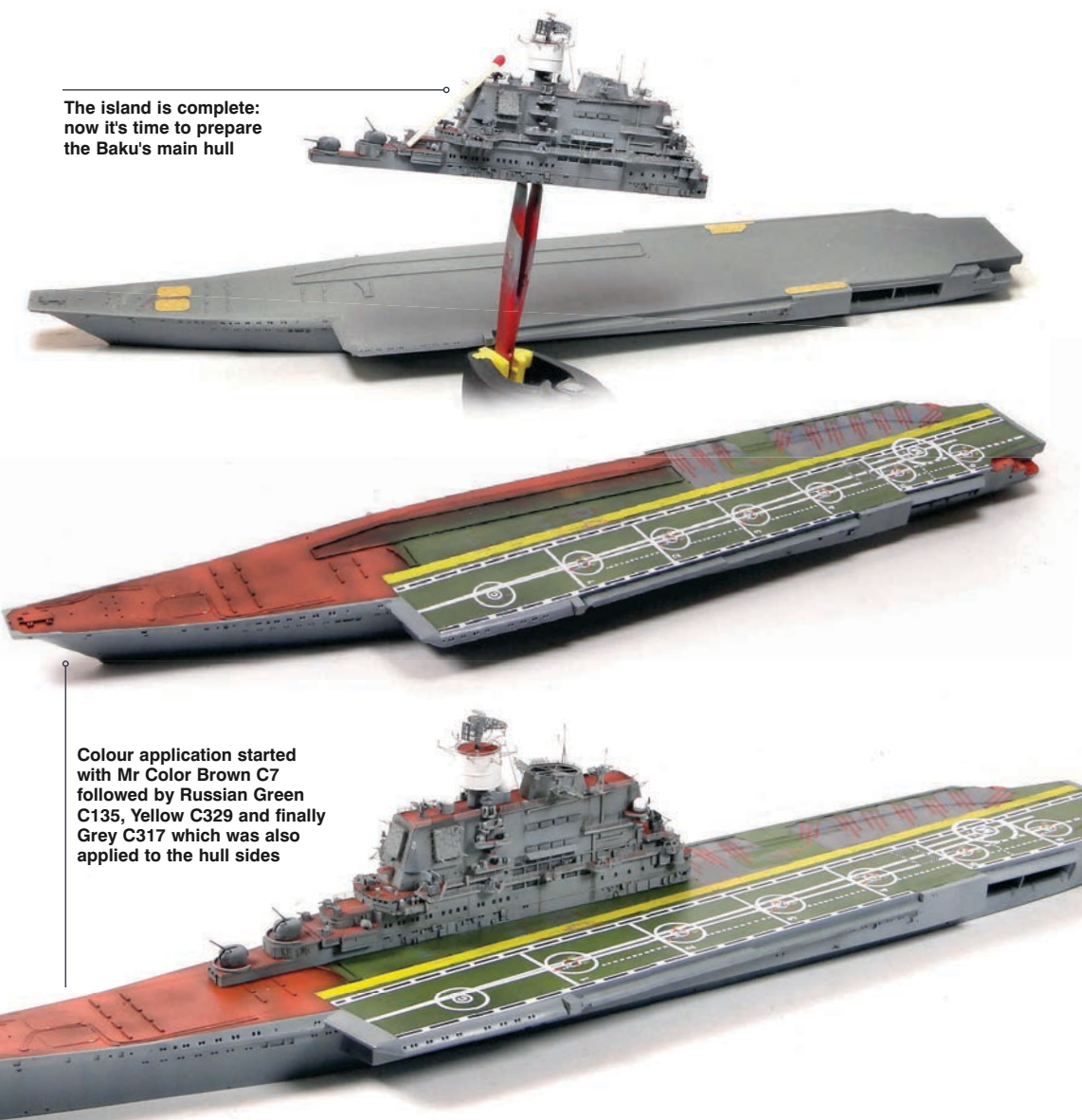
SET TO SEA

Because the model is built in waterline form, I decided to install it in a seascape. For this purpose, I used plasticine, water colour paints, clear gloss varnish, AMMO/MIG Clear Water (2205), Vallejo Still Water (26.230) and ordinary cotton wool. First of all, I applied plasticine to the prepared base, shaping it so that it resembled the surface of the sea with a place for the ship's hull. I painted the whole thing with appropriate paint shades, sealed afterwards with clear varnish.

The next step was to create the crests of the waves using AMMO/MIG Clear Water. After obtaining a satisfying effect on the entire surface, I spread Vallejo 'Still Water', to give depth and gloss. I made all the 'foam' from cotton wool dipped in Still Water and shaped it in the right places of imitation of water, such as a wake. After drying, the seascape was ready.

THE MAIN HULL

In the meantime I carried on working with the hull. All parts basically fitted without any problems and it went together without using putty, so everything was soon ready for painting. I used the same method I described above, with one exception that the black undercoat on the sides was given a layer of AK Interactive Worn Effects before the application of the grey, so that later I could simulate scratches and scoring



The island is complete: now it's time to prepare the Baku's main hull

Colour application started with Mr Color Brown C7 followed by Russian Green C135, Yellow C329 and finally Grey C317 which was also applied to the hull sides

in the paint. I applied the colours starting with Mr Color Brown C7, then Russian Green C135, Yellow C329 and finally Grey C317, with which I also painted the sides of the hull. The scoring visible on the hull were created by

lightly wetting the paint, which with the application the aforementioned AK Interactive Worn Effects, caused the upper coat to soften and allowed me to use a pointed tool to scratch through the grey, showing the black undercoat

underneath. Brighter scratches were made with a sharpened watercolour pencil. Each colour, before applying the next one, was covered with masking tape. When this was done, I sealed the entire deck with gloss varnish.



The scoring visible on the hull was created by first applying AK Interactive Worn Effects over the black base. Moistening the grey surface caused the Worn Effects to soften and allow the paint to be subtly scratched off the top surface



Photo-etched brass is the only way to go when replicating the delicate-looking structures on model ships

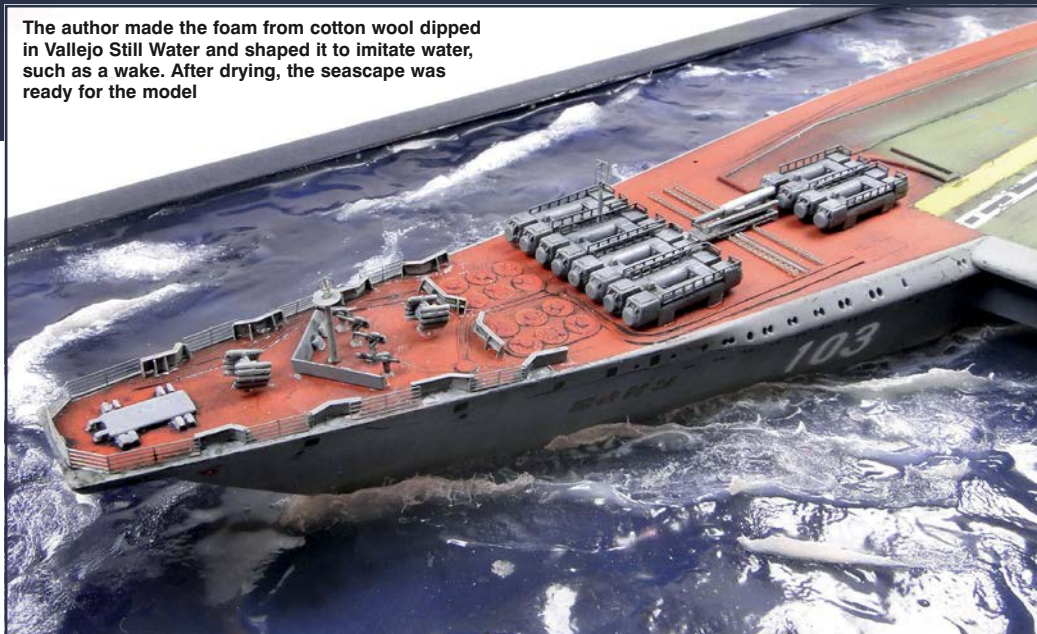
NAVAL MARKINGS

Now I was able to proceed with applying the decals to the model, which replicate the designated parking and start-up stands for the airwing. I used Microscale Micro Sol for this. When the decals had hardened thoroughly, I again sprayed the whole model with a gloss lacquer varnish to protect it all. After this, I could apply colour-washes to the prepared hull. To create streaks I used specific products such as AK Interactive Rust Streaks, Engine Grime, Streaking Grime For Light Gray Ships and Salt Streaks For Ships. I applied them to the hull in small dots, then dragged them downwards with a brush soaked in white spirit until I had a satisfying effect.

When the individual stages of the hull construction needed time for drying, I prepared the rest of the small items of equipment on the deck, always using the method of painting and finishing the elements described earlier. The time for the one particular weathering phase had come – which I was very afraid of – applying traces of staining and aircraft movements on the launch deck. My fear was that I did not quite know how to do this in 1:700 so it looked realistic. I decided to use watercolour pencils and pigments for this and the final effect can be seen in the pictures: I was happy with the results!

All that remained was to affix the name of the ship, national insignia and the vessel number, 

The author made the foam from cotton wool dipped in Vallejo Still Water and shaped it to imitate water, such as a wake. After drying, the seascape was ready for the model



All that remained was to affix the name of the ship (in PE brass), national insignia and the vessel number, in order to be able to glue the hull permanently to its base

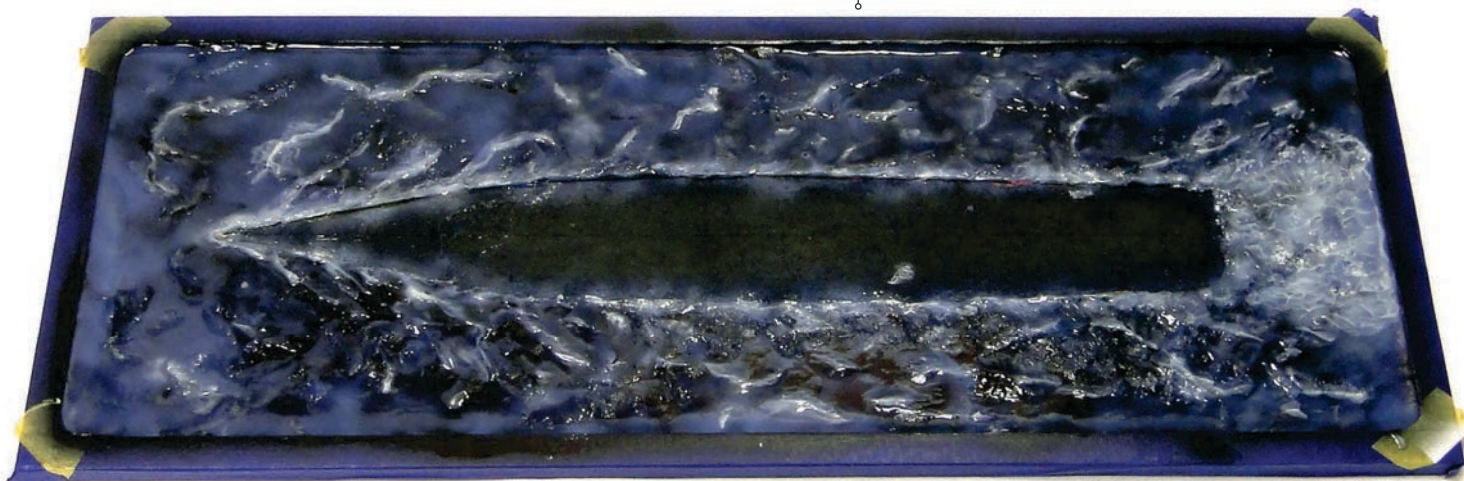


Now the icing on the cake: the airwing, comprising Yak-38 VSTOL aircraft and Kamov Ka-25 helicopters



The use of photo-etched parts for their construction significantly increased their visual appeal and their painting process was exactly the same as for the entire ship

After obtaining a satisfying effect on the entire surface, the author applied Vallejo 'Still Water', to give depth and gloss



FULL-BUILD: MILITARY MODEL SHIP

HOBBYBOSS 1:700 SOVIET AIRCRAFT CARRIER BAKU ● KIT NO.83416

❶ in order to be able to glue the hull permanently to its base. Now I could start the process of equipping the deck and here, as with the island, you need to set the order of work, so that the elements fitted do not interfere with the installation of the next ones.

LANDING THE AIRWING

I started from the bow and moved towards the stern. At the very end, when all the elements were fixed to the hull, I added the island, prepared earlier. Now the icing on the cake: the airwing, comprising Yak-38 VTOL aircraft and Kamov Ka-25 helicopters. The use of photo-etched parts for their construction significantly increased their visual appeal and their painting process was exactly the same as for the entire ship. I placed them on the deck by analysing photos of the original ship. The AKA set also provides tractors and transport trolleys, the use of which significantly enhances the look of the deck. I also added photo-etched sailor figures from an Eduard set. I left the attachment of vertical antennae on the bow and roof of the island until the very end due to their delicacy and susceptibility to damage.

The last thing I did was to seal the entire model with Alclad 2 Matt Varnish and you can see the final effect in the pictures. Does it look good? I had a lot of fun in its construction and I am satisfied with the final result. But the final evaluation is up to you! ●



TECHSPEC...

HOBBYBOSS 1:700 SOVIET AIRCRAFT CARRIER BAKU KIT NO.83416

Materials;

Injection-moulded polystyrene, photo-etched metal, waterslide decals

Paints used:

- Mr Hobby: Grey C317, Brown C7, Russian Green C135, Yellow C329
- AMMO/MIG: Panel Line Wash Blue Black (1617), Clear Water (2205)
- Alclad 2: Matt Varnish (314)
- Vallejo: Still Water (26.230)
- AK Interactive: Rust Streaks (013), Engine Grime (082), Streaking Grime For Light Gray Ships (305) Salt Streaks For Ships (206)

Accessories used:

AKA Model: Photo-etched set DX7701

Availability;

- Hobbyboss models are widely available from good model shops and online. www.creativemodels.co.uk
- Mr Hobby: Widely available from good model shops and online. UK import and distribution by www.albionhobbies.co.uk
- AMMO/MIG: www.migjimenex.com
- Alclad 2: www.alclad2-online.co.uk
- Vallejo: www.creativemodels.co.uk
- AK Interactive: ak-interactive.com
- AKA Model: www.akamodel.com

A view of the superstructure and radar equipment aboard the Soviet Kiev class VSTOL aircraft carrier Baku (CVHG-103). Radar installations on the Baku exhibit extensive technological changes from the other three Kiev class carriers. A covered Ka-27 Helix helicopter is parked on deck.

Photo: LT PJ Azzolina (public domain)



An aerial view of Ka-27 Helix helicopters and covered Yak-38 Forger aircraft on the flight deck of the Soviet Kiev class VSTOL aircraft carrier Baku (CVHG-103) in 1988.

Photo: LT PJ Azzolina (public domain)



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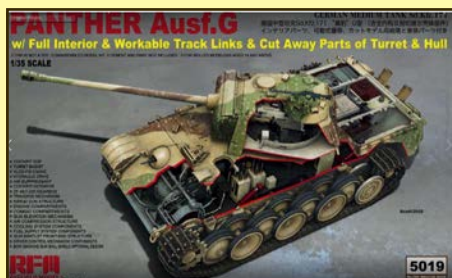
Amusing Hobby (35A027) - In stock now
1/35 FV 214 Conqueror Mk II British Army Tank - **£49.99**



Rye Field Model (RM-5022) - Pre-Order
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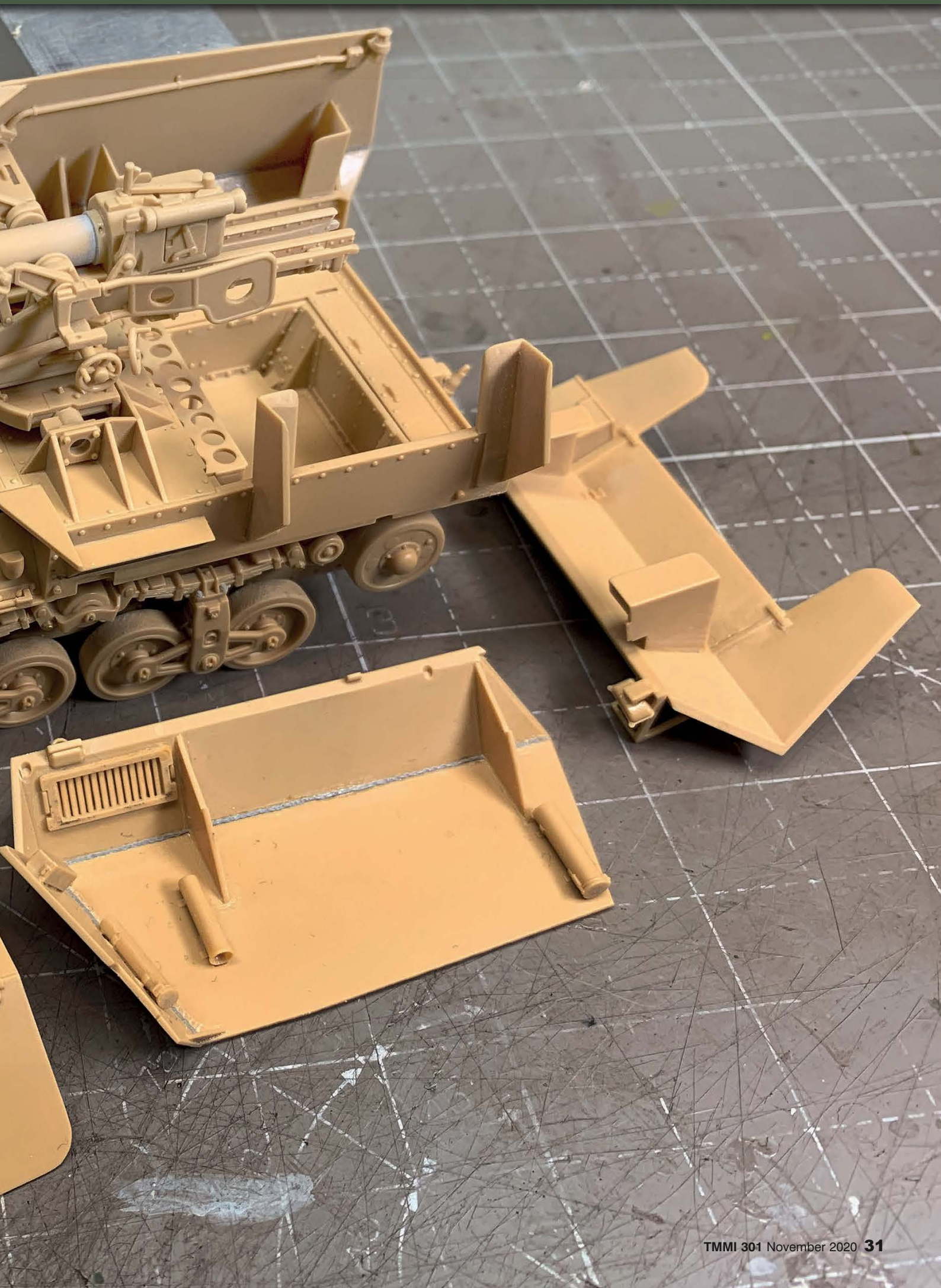
FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I GERMAN TANK DESTROYER ● KIT NO.35370

Marcus Nicholls starts the build-up of Tamiya's all-new 1:35 Sd.Kfz.135 Jagdpanzer 'Marder I'

THERE'S BEEN A MARDER!

PART 1



FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I GERMAN TANK DESTROYER ● KIT NO.35370

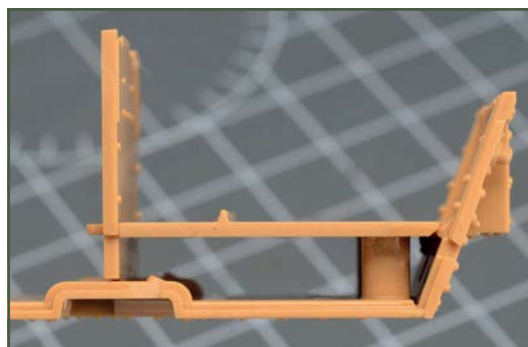
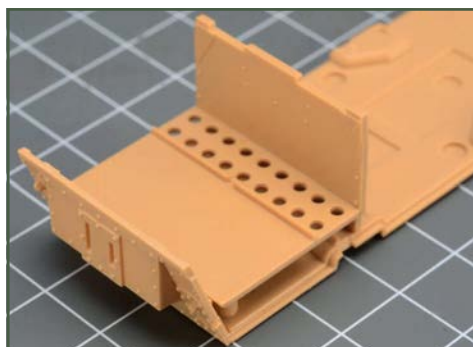
When the Wehrmacht over-ran France in May 1940, a vast quantity of French equipment – from tanks to toothpaste – fell into German hands. This windfall included around 300 'Lorraine' tracked tractors, around 170 of which were upcycled into the compact but powerful Sd.Kfz.135 Marder I tank-destroyer.

This top-heavy but highly mobile tank killer was designed by Major Alfred Becker, a German artillery officer and engineer and the key individual responsible for taking captured French vehicles and converting them into 'new' vehicles for the German ground forces. To create the Marder I, he added a open-topped fighting compartment over the rear of the chassis housing a 75mm PaK40/1 anti-tank gun to form a potent machine with a very decent top speed of 35Km/h, around 22mph.

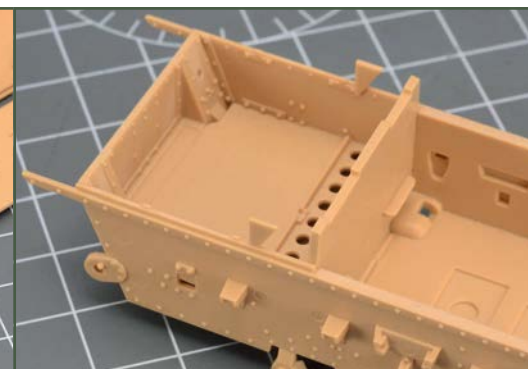
Tamiya's 1:35 model is 100% new, not a re-box from another manufacturer. It comes with link-and-length tracks, a brand-spanking new PaK40 anti-tank gun, three crewmember figures plus decals to finish one of three machines: 15th Infantry Division in France 1942-44 in overall panzer grey, a Marder I in France, 1944 in three-colour camouflage and a vehicle from an unidentified unit on the Eastern Front, 1943, in panzer grey with a white-wash camouflage.

BUILDING THE MARDER I'S HULL

Tamiya have incorporated some fantastic detail within the parts of this new kit. Here we see the frontal transmission casing with the 'Croix de Lorraine' (Cross of Lorraine) cast into it. The drive sprocket will fit onto the stub-axle



The first parts of the lower hull to come together are the lower hull plate and the floor of the tiny fighting compartment, which interlock with the rear bulkhead/firewall. Note the holes, which will form the lower part of the rack for the 75mm PaK40 ammunition. The side view above right demonstrates how the parts interlock to create the raised floor area and also shows the sturdy columns on which the floor stands



Next up are the hull side panels which also carry elements of the suspension mounts. The fit is excellent once the panels are aligned with the lower hull panel. Some ejector-pin marks are present on the outer hull sides but they will be hidden by the suspension components once they have been fitted

“Tamiya’s 1:35 model is 100% new, not a re-box from another manufacturer...”



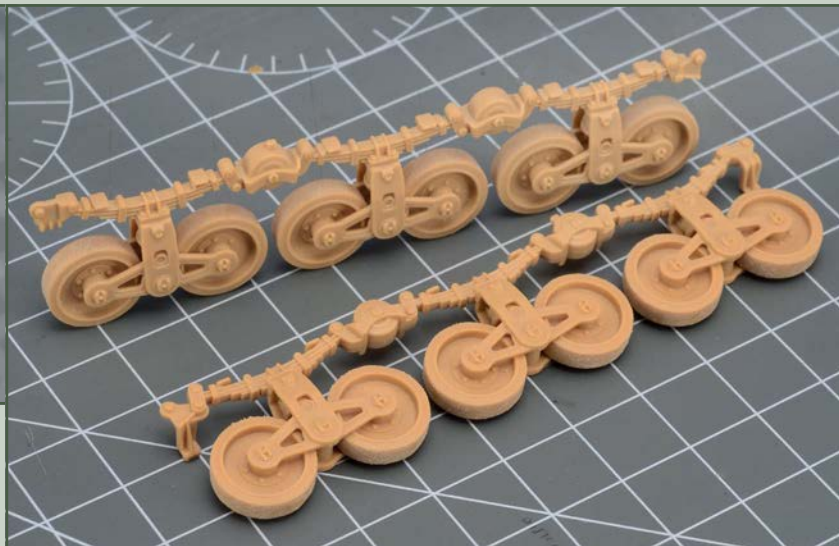
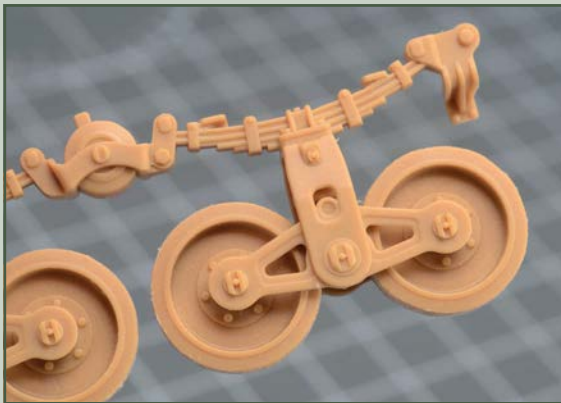
The lower suspension castings sit in shallow recesses within the hull's belly plate and an angled tab on each kit part ensures they sit at the correct angle. Note that for each side, these parts are 'handed'



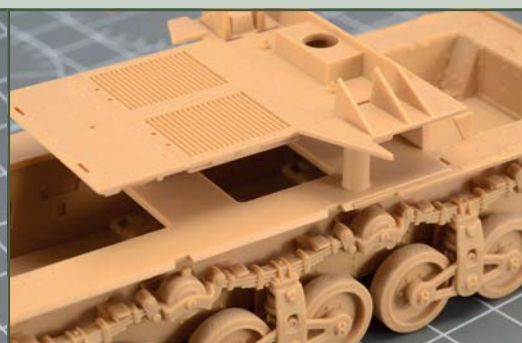
The roadwheels of the Lorraine chassis, like most WW2 armoured vehicles, were metal, fitted with solid rubber tyres. Once the kit wheels had been sanded to remove their central moulding seams, the surfaces were 'roughed up' with a coarse file to represent wear and tear



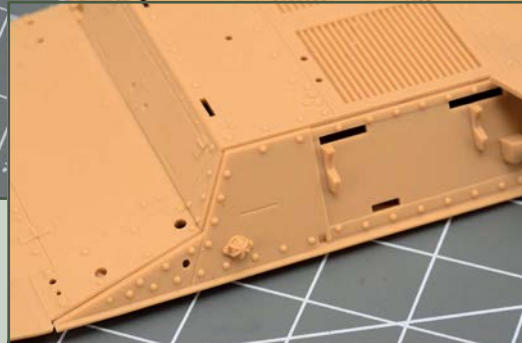
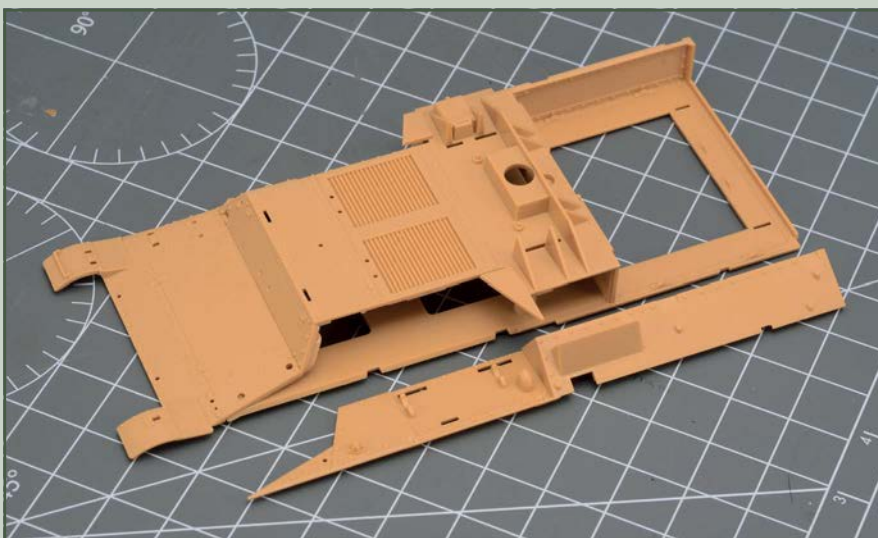
Here we see a pair of roadwheels placed on the axles of the inner portion of a suspension bogie unit. The wheels have a 'right' and a 'wrong' way round: the slightly raised lip around the hole (just visible here) must face outwards, or the bogie halves cannot be properly closed up



Here is a close-up on one of the bogie assemblies, although in reality it's one long sub-assembly because the three bogies on each side are linked by the return-roller brackets as shown in the overall image. The idea is fine, although the return roller itself is moulded integrally with its bracket, calling for some creative painting to give it the appearance of a separately moulded part



The suspension assemblies have been temporarily fitted, as has the mid section of the upper deck, which sits on three columns that cement to the midi-deck moulding



The angled side-panels are up next and it's important to fully seat them before applying any cement (ideally from inside the hull). As we can see in the close-up, the fit is perfect, creating the correct, slightly overlapping configuration seen on the real vehicle

FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER | GERMAN TANK DESTROYER ● KIT NO.35370

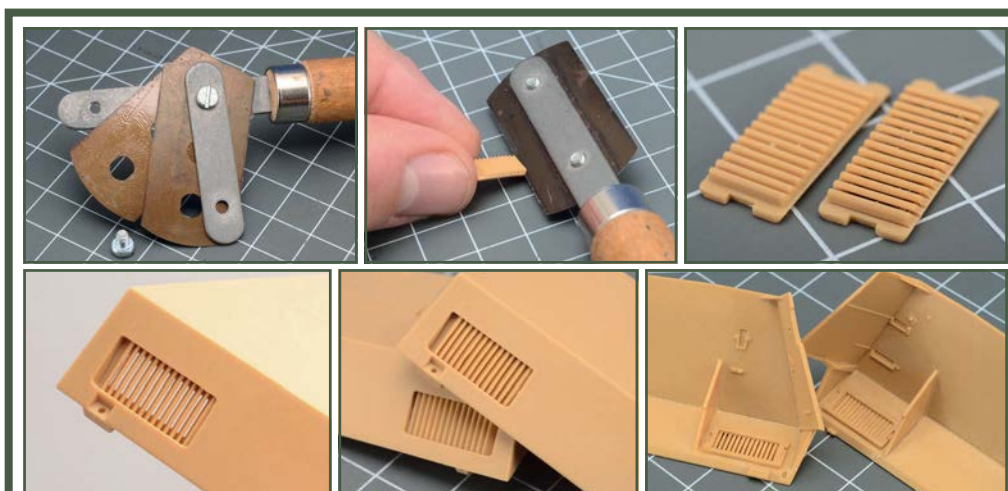
LET'S BUILD IT!

The kit comes in standard sand-coloured polystyrene and the tracks are presented in the form of the now-familiar 'link-and-length' system, with upper and lower runs plus intermediate sections, supplemented by individual links to wrap around the drive sprockets and idlers. This approach offers a good compromise between the fiddly and time-consuming individual links (which would be microscopic for this particular machine) and the one-piece flexible vinyl tracks which are very convenient but cannot properly depict the distinctive upper-run 'sag' so evident on this and other tracked vehicles.

The system is favoured by many modellers and they can be either glued directly to the assembled running gear then painted as a whole, or built up into upper and lower runs around the wheels, carefully removed, then painted off the model for a more realistic effect. At the time of writing, I was in two minds about using them (personally, I just can't seem to get on with this system) or to make use of Friulmodel's metal track set, No.ATL-59. By the time the next issue of TMMI rolls around, you will see which way I chose to go!

Most of the model's main assembly points are covered in the photos and captions here, but there are a few points of note. I added some thin pieces of stretched sprue in the gaps of the leaf springs to increase the realism of this area and I also replaced a few of the grab-handles and exterior fittings with parts purloined from photo-etched sets, scrap brass strip and copper wire. Using doubled-up razor saw blades I opened up the slats of the louvred engine intake grilles which sit in the lower sides of the fighting compartment armour. These points are expanded upon in the captions.

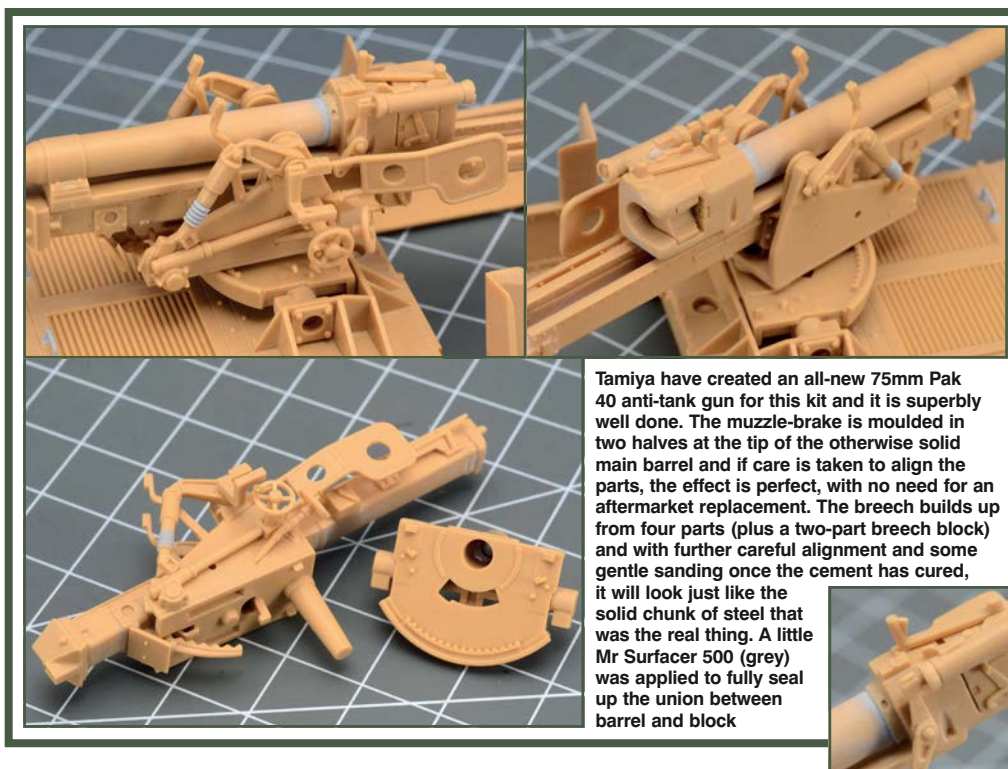
That's as far as I got for now, but for the next issue of TMMI I will make my track choice and get some paint on this little gem! ●



One necessary compromise made by the kit's designers was to mould the pair of louvred engine ventilation grilles in the fighting compartment plating 'closed up' rather than with open slats. With the application of a dark colour-wash during the painting stages, they can be made to look open, but visually, there's no substitute for each slat having an actual gap either side of it. Opening up the louvres isn't as difficult as it looks: two blades were fitted into the razor saw to form the correct gap-size and angled cuts were then carefully made between each moulded slat. After a little clean-up with sandpaper and a No.10A Swann-Morton scalpel blade, the result is a subtle but significant improvement of appearance on the standard kit part



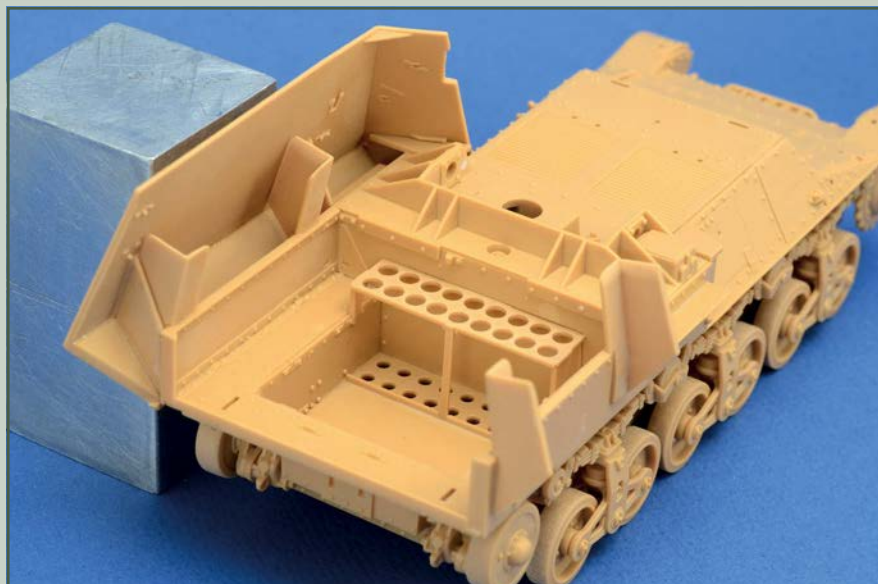
With high levels of detail throughout the kit, it came as a slight surprise that the leaf springs of the suspension have only five representations of the 'leaves' in each unit instead on the ten of the real vehicle. Once painted and weathered this should become less apparent but as an experiment, the author attempted to simulate the presence of more leaves by cementing pieces of stretched sprue in the channels between each leaf. While the result is far from perfect, it does at least suggest the more tightly-packed nature of the original design



Tamiya have created an all-new 75mm Pak 40 anti-tank gun for this kit and it is superbly well done. The muzzle-brake is moulded in two halves at the tip of the otherwise solid main barrel and if care is taken to align the parts, the effect is perfect, with no need for an aftermarket replacement. The breech builds up from four parts (plus a two-part breech block) and with further careful alignment and some gentle sanding once the cement has cured, it will look just like the solid chunk of steel that was the real thing. A little Mr Surfacer 500 (grey) was applied to fully seal up the union between barrel and block



Once small extra detail was carved into the plastic of the breech with a scalpel blade: the square area with the circle, just ahead of the breech block



Here we see the lefthand side of the Marder I's fighting compartment being test-fitted to the hull. The top edges of the L-shaped brackets were thinned with files and sanding sponges to give the appearance of the thinner-section steel



This view of the righthand side of the armour being offered up to the hull by the author reveals the tiny size of this machine! Although diminutive in reality, the presence of the deadly 75mm PaK 40 made it an effective killer of Allied AFVs

“It comes with a brand-spanking new PaK40 anti-tank gun...”

NEXT TIME...

TECHSPEC...

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER
MARDER I GERMAN TANK DESTROYER
KIT NO.35370

Materials:

Injection-moulded polystyrene, polycaps,
waterslide decals. www.primeportal.net

Availability:

Tamiya models, accessories, paints and
materials are widely available from good
model shops and online. UK import and
distribution by The Hobby Company Limited;
www.hobbyco.net

Next month, we finish
assembly, paint the model
and get some tracks on!



FULL-BUILD: CLASSIC MODEL MOTORSPORT

MODEL FACTORY HIRO 1:12 LANCIA BETA MONTECARLO TURBO GR.5 1980 ● KIT NO.MFH-K668



OU TUR

My dream came true when Model Factory Hiro released three full detailed versions of Montecarlo Turbo, in 1:12, and without further ado the kit was already on my bench! But before we move to the workbench, let's study the history of this mid-engine car designed by Pininfarina. Its full name was Lancia Beta Montecarlo, but the word Montecarlo did not consist of two words 'Monte Carlo', as in the Principality of Monaco. The street version was unveiled to the public in 1975, in Geneva and it was the basis for the race version, the Lancia Beta Montecarlo Turbo which complied to Group 5 endurance races regulations with relatively free rules and where the only limitation was the engine displacement/weight ratio.

The racing 'Beta shared the same central section with the production car. The front and rear parts had a tubular subframe which supported the suspension, the engine and gearbox. Gianpaolo Dallara designed the monocoque and the

suspension and Pininfarina developed its aerodynamics. Nonetheless, Beta's secret lied in its engine. Displacement remained at 1,425 cc which, multiplied by 1.4 for turbo use, resulted in 1,995cc, meaning the car could compete at the sub-two litre class. The horsepower ranged from 400 to 480 thanks to the outrageous KKK-Turbo pressure (23psi!).

The Montecarlo Turbo won the Constructors' World Championship in 1979 in the sub-two litre class and in the general class in 1980. In 1981, it won the Constructors' title in the Endurance World Championship. In addition, 'Betas participated at the Le Mans 24h, achieving 8th position overall (2nd in its class) in 1981. Later, in 1982, it participated in races driven by private teams. Today, the Beta Montecarlo Turbo is considered one of Lancia's classic race cars and it formed the groundwork for the development of the legendary 037 race car of the World Rally Championship. ▶



ULTRAGEOUS TURBO PRESSURE!

The story of this project began about thirty-five years ago, when **George Tziafas's** father bought him a blue, battery-powered Lancia Beta Turbo toy as a surprise gift. This sparked his desire that one day he would acquire a scale model representation of the car that would be as detailed as possible...

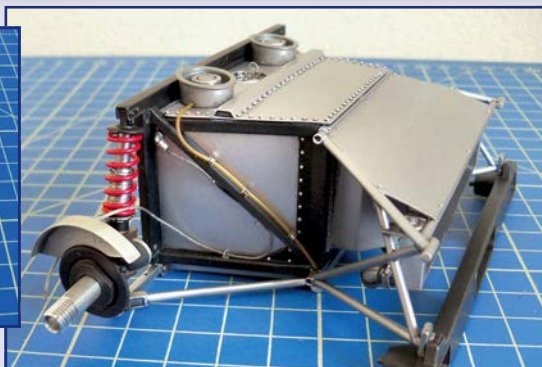


FULL-BUILD: CLASSIC MODEL MOTORSPORT

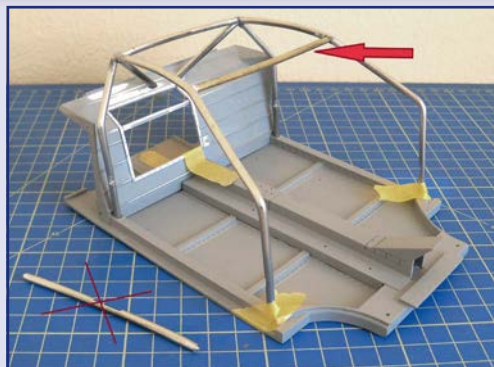
MODEL FACTORY HIRO 1:12 LANCIA BETA MONTECARLO TURBO GR.5 1980 ● KIT NO.MFH-K668



The 'aluminium' chassis, fuel tank and the interior rivets were recreated with 0.5mm and 0.7mm solder balls, convincing and cost-effective solution. In certain areas, Top Studio and MasterClub rivets were used



The Beta's front section includes the fuel tank, radiator and the foot-pedals. It was painted with MRP's Black and Alclad 2 Polished Aluminium, as with the chassis



Small modifications were made to the rollcage, as indicated. Note the opened-up firewall, done to show off the otherwise hidden portion of the engine

THE MODEL FACTORY HIRO KIT

The kit used represents version B (Code K668), for two cars, as they raced in the 1980 Le Mans 24h. The blue edition with white stripes (flames) was used for this build. Upon opening the box, you are astonished by the quality of materials and perhaps scared by the number of parts, but everything gets clearer once you meticulously study the instructions and separate the contents in various organiser boxes.

As with most MFH kits, this scale model is a great starting point for super-detailing, even though many mechanical parts' subsystems and most of the cabling are missing. However, this does not mean that you cannot build a beautiful model straight out of the box. In any case, fitting together the parts of a multimedia kit requires great attention and planning, as we are not dealing with perfect engineering and fitting kit such as Tamiya in this case.

A GAME OF CHESS

Starting an MFH kit build is essentially like a game of chess. Each move affects the next and the slightest mistake may cause fitting or detailing issues later on. In addition, as in the famous board game, the more moves (test fits) you are ahead, the better you can predict the way they will interact with each other and the less likely it is to be checkmated during the final assembly. Without being completely certain, I deemed that the 'ideal' scenario of chassis, engine, suspension and bodywork being completed as separate

builds and then casually fitted together to be quite unrealistic, to say the least.

On top of that, avoiding the use of the assembly bolts provided in the kit is a major factor when aiming to properly depict the car in scale. These bolts are out of scale and they hampered the assembly procedure too. For this reason, they were replaced by metal rods wherever possible. Cyanoacrylate and two-part epoxy glues were used for fixing parts together. Ultimately, certain panels provided as separate pieces in the kit – but single pieces on the real car – were carefully glued and sanded in advance.

PREPARATION OF PARTS

The kit mainly consists of resin and cast metal parts and they must be cleaned to remove moulding residues before being used. There are special cleaning agents for resin parts, but I used acetone which, for me, provides equally satisfactory results and can be easily found. Then, all parts were washed with washing-up liquid using a toothbrush. The Dremel rotary tool with metal cleaning brushes attached is one way to deal with metal parts, but due to the large number of them, this procedure is particularly time consuming. Thus, I used a gemstone tumbler which saved lots of precious time, instead of tediously cleaning them by hand. Metal parts were placed in the tumbler together with a cleaning liquid and polishing pins. Thanks to the abrasive effect and the rotary motion, the metal parts were polished and smoothed.

Then, hundreds of holes

were drilled using various sized drills. Finally, all metal parts had another go in the tumbler for the perfect texture before being handled and painted. Right about here this tedious – but nonetheless necessary – procedure finally came to an end and the fun could begin.

RIVETS AND AFTERMARKET PARTS

Choosing which aftermarket parts to use in order to add detail is a vital part for all stages of the build. Perhaps the most important of them all is the selection of rivets, even though the kit contains many. To be honest though, even more are required. For example, the aluminium-sheet chassis, the fuel tank and the interior riveting are depicted with engraved rivets, something not very realistic for this large scale. For these sections, 0.5mm and 0.7mm solder balls were used, which is a relatively convincing and affordable solution. In certain areas, apart from solder balls,

Top Studio and MasterClub rivets were also used.

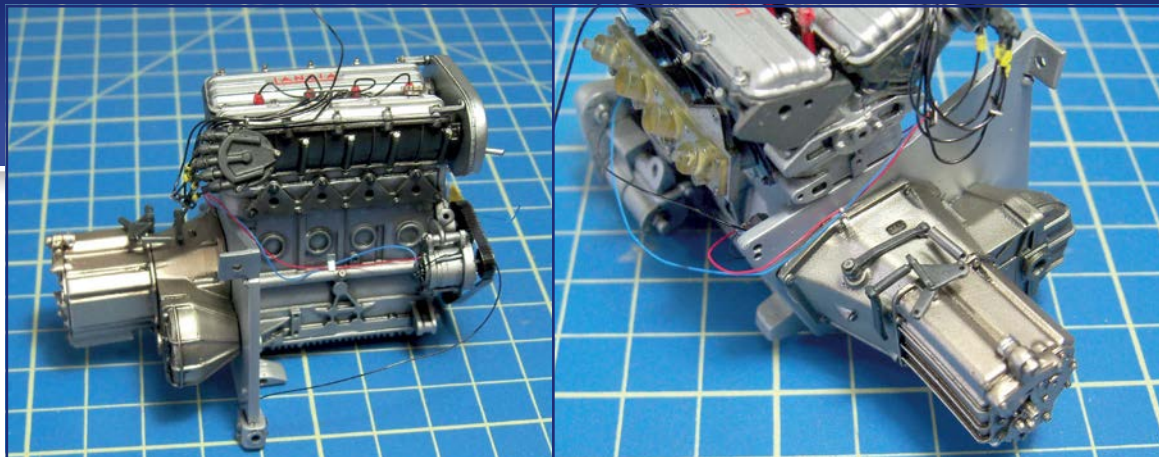
In addition, I added nuts and bolts from the particularly useful 1:12 'Assorted details set for MotoGP' from Top Studio, plus washers, electronic plugs, weld lines and wire bands from the same company. A collection of various cross-section braided lines, wires and metal rods provided solutions and added to the realism in various steps of the build.

A WINDOW TO VIEW THE ENGINE

One particularity that is common among cars with transversely-mounted engines is the limited view of one side of the engine. Therefore, as I did not want to hide half of the work done on the engine, the access hatch situated on the right side of the firewall was cut out. The framework was been created from scratch using square cross-section plastic rod, while the hatch itself was made from thin



The kit mainly comprises resin and metal parts which must be cleaned up. The author used acetone which works well (using gloves and plenty of ventilation in the workplace)



The engine is a scale model in itself, even when built straight from the box. It looks even more convincing with imaginative painting using Alclad 2 metallics and colour-washes to highlight the detail



Last but certainly not least, the engines was enhanced further by the fitting of wiring and tubing, using reference photos of the real car



FULL-BUILD: CLASSIC MODEL MOTORSPORT

MODEL FACTORY HIRO 1:12 LANCIA BETA MONTECARLO TURBO GR.5 1980 ● KIT NO.MFH-K668

aluminium foil. Accordingly, holes were drilled in the transmission tunnel were the car's wiring and plumbing pass through.

The main part of the build began with the engine, which is a scale model itself, even straight out of the box. It became even more convincing by carefully painting it with various Alclad 2 metallic shades and by applying colour-washes to accentuate the beautiful detail and by the addition of additional rivets here and there (cylinder head, exhaust base and main block).

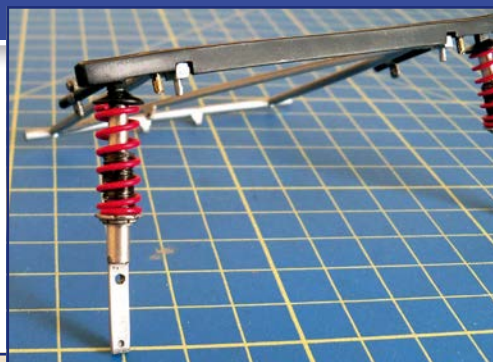
BODY PREP

The most critical stage (until the next one!), was the preparation of the body parts, which began by assembling the intakes and parts around the door. Any gaps were closed up by adding styrene rod (on the panel side and not on the door itself). In the frontal area, the spoiler was glued

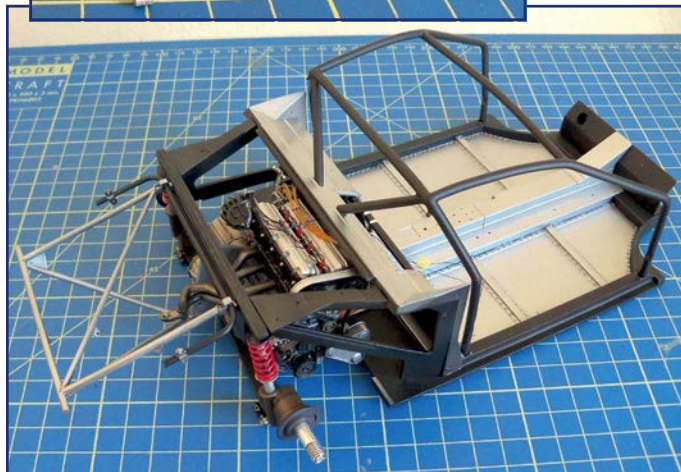
and the seam puttied, as on the 1:1 counterpart they are unified and not separate surfaces. Attaching the front part to the rest of the car was achieved by 'shaving' the bonnet lip internally, using Tamiya's design knife.

Things were more complicated for the rear body part, something that I discovered when I had to place the hinges and to attach the whole component to the central section. Styrene was used for proper fit and quite some sanding was required on the left side. On the right, the lower section of the rear bonnet was inclined towards the inside, therefore styrene sheets and putty were applied.

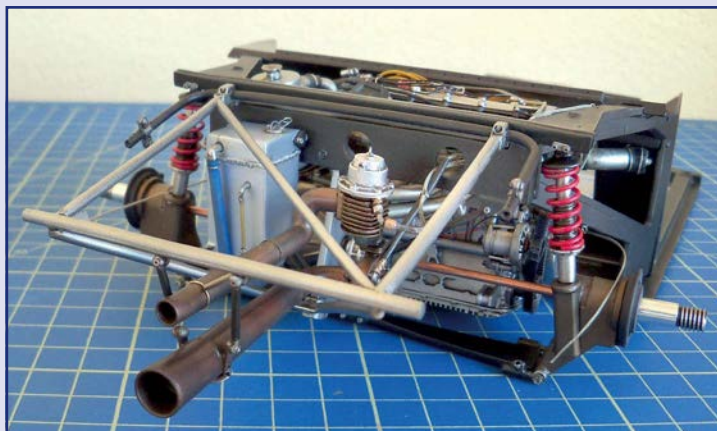
To achieve proper fit of the rear bonnet with the main part, a metal rod was temporarily fitted. Using this rod I 'tweaked' the bodywork to the shape that it should have once attached to the chassis. Thus, any additions made would be



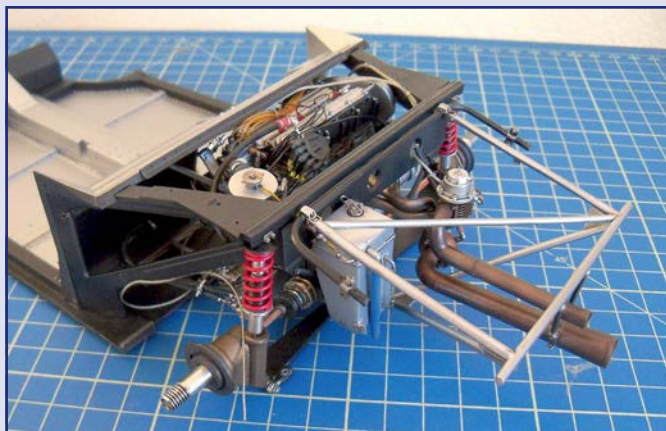
The height adjustment threads in the shock absorbers are missing, so 0.2mm wire wound around metal rod. The springs were painted red, mostly for colour variety



The rear subframe was properly aligned before being painting and assembled. It is a critical sub-assembly that will receive additional parts of the model such as the wheels, exhausts, turbos plus the rear engine cover



Weld lines were the only thing added to the lubricant tank – fitted in left side in the engine bay – as well as the oil tank



The exhausts are cast in white metal and are quite heavy and for this reason, they were drilled out. Their seams required sanding and weld lines plus a spring were added. They were given a heat-stained look using Alclad 2 Pale Gold, Copper, Burnt Iron and other shades

Mini Review...



TAMIYA CRAFT TOOL HG TWEEZER GRIP SCISSORS (74157)
www.hobbyco.net

These handy little scissors have a bow-spring incorporated within the handle plus super-sharp blades that will snip through decal, sticker, plastic and other modelling materials with alacrity. Extremely well made, they will become a frequently-used instrument in any modeller's tool kit



performed on a proper foundation. The rod was removed once this stage was complete. Lastly, everything was primed with grey car primer straight from the can, and all necessary corrections then made.

PAINTING AND DECALS

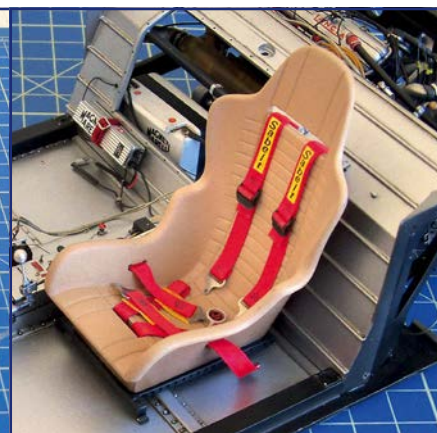
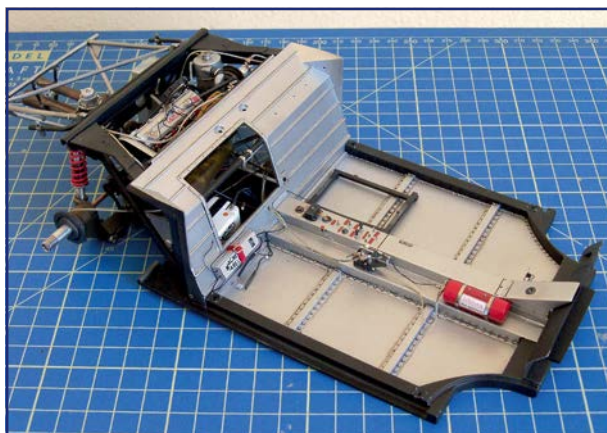
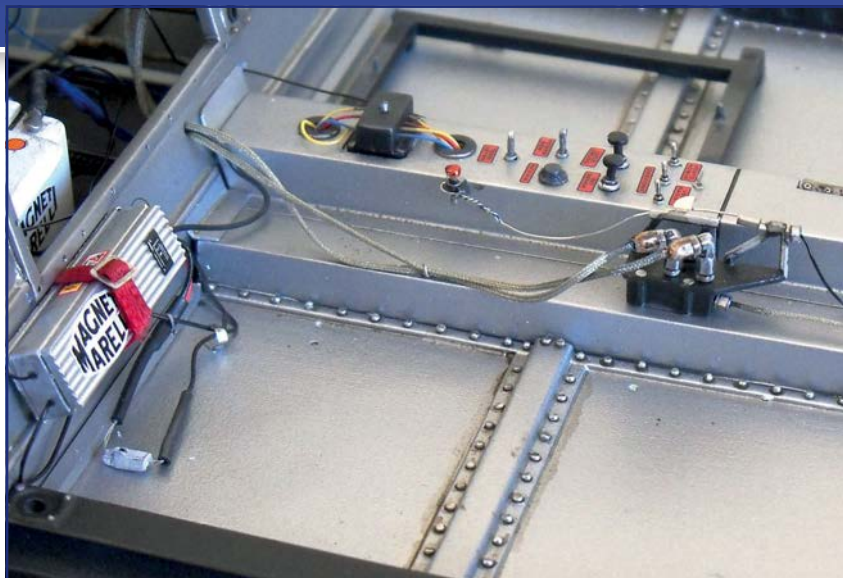
Painting preparation was now the order of the day. White was used to paint stripes on the A-pillars, the roof and the front cowl grilles. They were then masked up, using a photocopy of the decals as a guide when masking the grilles. The main body colour is from Zero Paints which was airbrushed with a 0.5 nozzle, just like the varnish that followed. The decals were one of my greatest fears due to the quality issues in many MFH kits. Prior to applying them to the body, I tested some scraps in order to choose the proper materials for this stage. A very demanding procedure turned out to be quite entertaining as Tamiya's Mark Fit, assisted by a miniscule amount of Mr. Hobby's Softener and a hairdryer were more than enough to lay the markings down.

All body parts were carefully washed to remove any residues from decal glue and softeners and they were varnished by decanting Mr. Hobby's B-513 clear varnish and spraying it with the airbrush. This was then polished with Meguiar's products. Everything was now set for the final assembly.

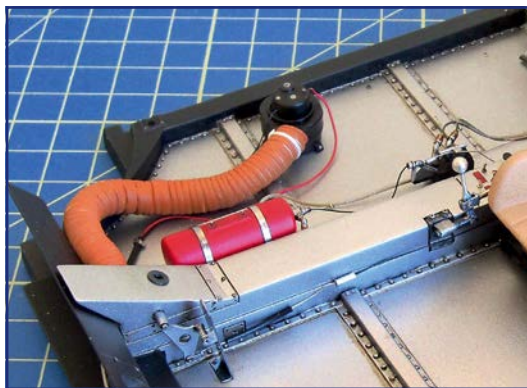
LAST STAGES

The final steps of the model began with the central part of the body. It was first masked up to paint the black and aluminium parts. Then I fitted the footrests, the tub with the fuel pumps, the instrument panel and quite a few rivets. With the central part ready, the mechanical parts on the rear could now be completed. Therefore, the turbo compressor-housing was installed, together with the side radiators, their tubing, the rear glass (attached with fifty 0.5mm rivets!), and the final wiring. The very last step consisted of attaching the doors and the front and rear bonnet, 

The model's cockpit, as in reality, is limited to the very basics, but this doesn't mean that there is no work to be done here. The interior began with the switch-gear, some being replaced by Top Studio items: their labels are provided in the kit



For the fire extinguisher, the 'T' formation for dividing the control and the activation system was added, made using parts from spares box



Various materials and plus plenty of imagination were used when painting the seat. It was fitted to the chassis after fixing the seat belts using double-sided tape. The cockpit area was complete (almost) after the addition of the roll cage



The instrument panel and other internal structures was completed with cabling. The instrument panel had to be glued to the body panel and not directly to the interior

FULL-BUILD: CLASSIC MODEL MOTORSPORT

MODEL FACTORY HIRO 1:12 LANCIA BETA MONTECARLO TURBO GR.5 1980 ● KIT NO.MFH-K668



The brake discs were polished and the ventilation ducts painted with a rust-colour. The callipers were painted in a steel colour and up-detailed with RB Motion's and Top Studio's parts. The brake circuit was reproduced with 0.6mm braided lines



To achieve a proper fit of the rear engine cover to the main body, a metal rod was temporarily fitted and the bodywork adjusted to fit the chassis. The rod was removed once this process was complete



All bodyshell parts were undercoated with grey car primer straight from the can and any corrections then made. The main body colour is from Zero Paints, which was airbrushed with a 0.5 nozzle, as was the varnish to follow

❏ a procedure where I followed the instructions to the letter as the guide is top notch. Adding several rivets to depict the wiring circuit for the headlights skyrockets their overall realism. They were cleaned with some wax prior to being glued to the body to eliminate fingerprints. At last, after seven to eight months of work, the model was now ready to take its place in the showcase.

EPILOGUE

To conclude the assembly presentation, I would like to thank TMMI's editorial team for their honour and hospitality, my colleagues in Scalewheels-gr and MFH Builds for their comments

throughout the assembly, as well as my friend Sakis Politis for translating this article. ●

TECHSPEC...

MODEL FACTORY HIRO 1:12 LANCIA BETA MONTECARLO TURBO GR.5 1980
KIT NO. MFH-K668

Materials;

Resin, white metal, waterslide decals and much more

Paints used:

- Zero Paints various colours
- Alclad 2: Pale Gold, Copper, Burnt Iron, Exhaust Manifold, Clear Blue, Violet

Accessories used:

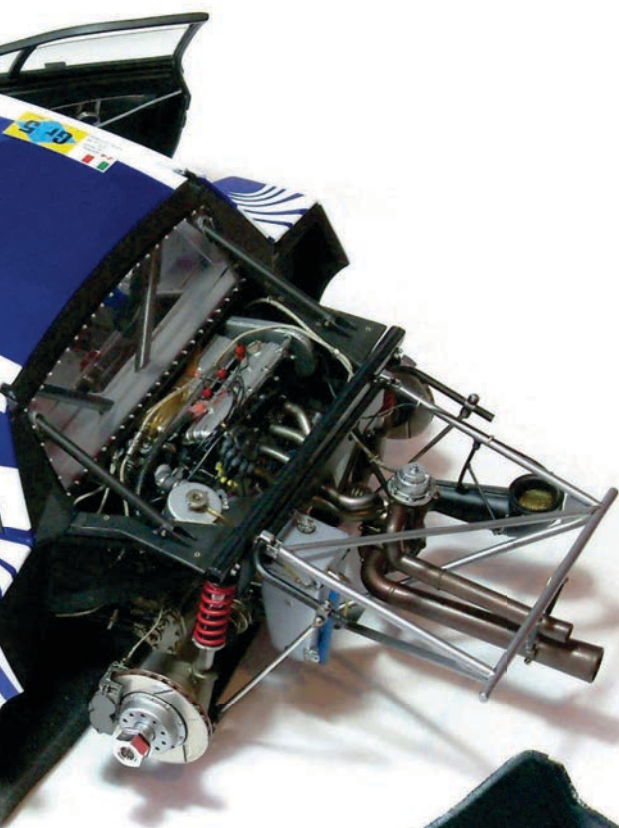
- Top Studio: Assorted details set for MotoGP
- MasterClub: rivets

Availability;

Model Factory Hiro, Zero Paints and Top Studio products are available online from: www.hiroboy.com



A view into the centre section of the model, revealing the orange ventilation hose, fire extinguisher and switch gear



The turbo housing has been fitted, together with the side radiators and their tubing, plus the final wiring. Note the fifty holes drilled in the rear windscreen frame in readiness for the clear panel



This close-up view shows the simple headlight screen, towing loop and front wing strut, plus other small but essential details





Build Your Dream!

LEVEL 3

07668 E-Type Jaguar Coupé, 1:24

NEW TOOL



LEVEL 4

05677 Gift Set - Top Gun Movies, 1:72

TOP GUN

MAVERICK



LEVEL 3

05678 Gift Set - Slave 1, 1:88 - includes poster

40th

EMPIRE STRIKES BACK



LEVEL 3

05679 Gift Set - Snowspeeder, 1:29 - includes poster

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EMPIRE STRIKES BACK



LEVEL 3

05680 Gift Set - AT-AT, 1:53 - includes poster

40th

EMPIRE STRIKES BACK



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EDUARD, CZECH REPUBLIC

www.eduard.com www.creativemodels.co.uk

Eduard's delicious new 1:48 Spitfire Mk.I is the recipient of the first tranche of resin, photo-etched and cast metal goodies this month. The kit's standard cockpit is wonderful but if you want to take it up to the next level, Brassin set No.648578 provides new parts in resin that completely replace the polystyrene injection moulding and they are exquisitely done. To fit the gun bays (648581), you will need to perform some significant styrene surgery to the wings, not an undertaking for the faint of heart. But the potential results would be spectacular.

For Tamiya's new-tool KV-1 in 1:35, we have a useful set that provides fender stowage bins plus representations of the access hatch locking mechanisms, which is very handy. Another great month of aftermarket loveliness, ore next time!

1:48 BRASSIN

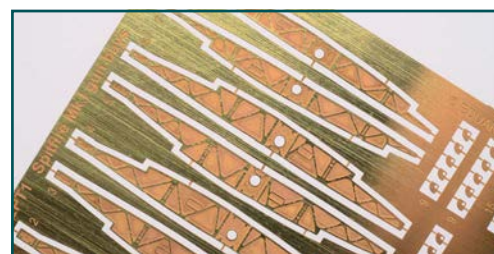
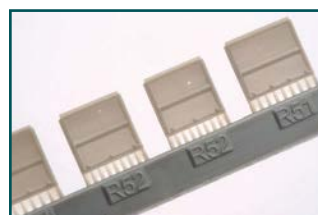
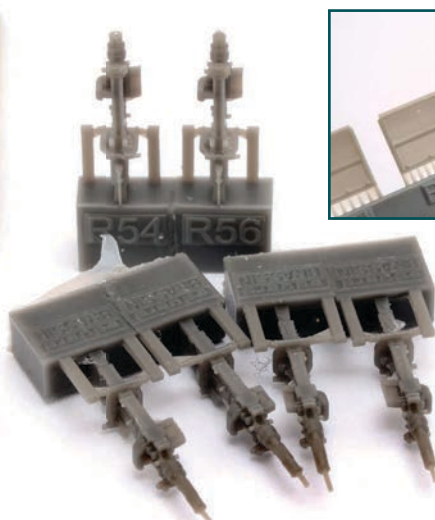
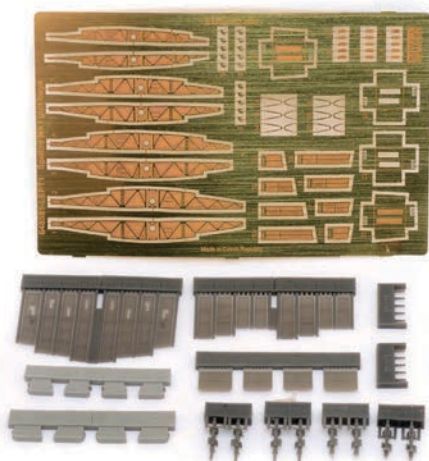
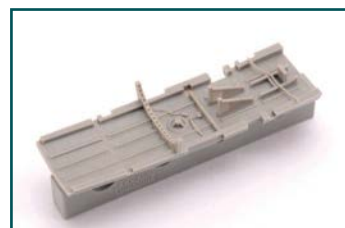
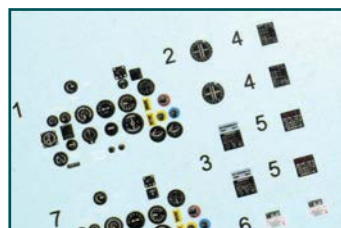
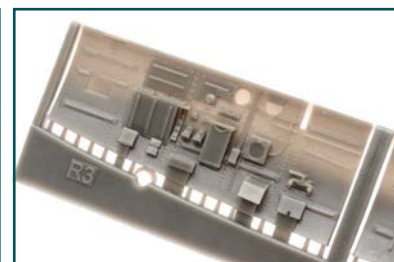
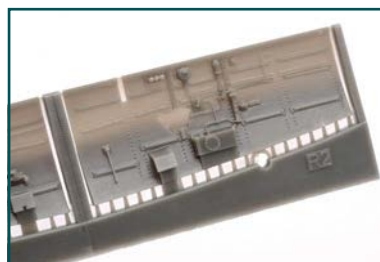
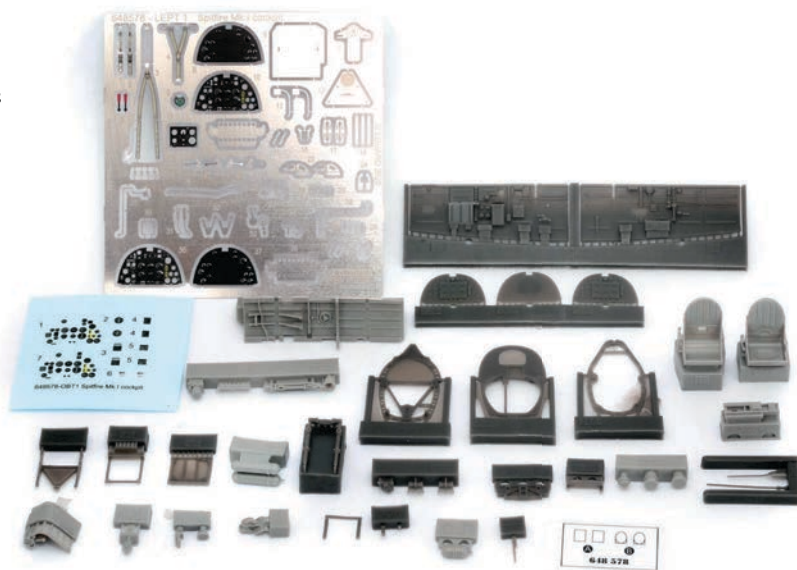
- Spitfire Mk.I cockpit (648578) for Eduard
- Spitfire Mk.I gun bays (648581) for Eduard
- Spitfire Mk.I Löök (644067) for Eduard
- Spitfire Mk.I undercarriage legs bronze (648589) for Eduard
- Spitfire Mk.I gun bays (648581) for Eduard
- P-51D 75gal droptanks (648571) for Eduard
- P-51D 108gal droptanks (648572) for Eduard
- Bf109G Eberspächer acoustic pipes (648583) for Eduard

1:48 PHOTO-ETCH

- Spitfire Mk.I landing flaps (481026) for Eduard

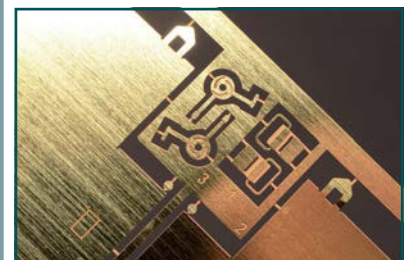
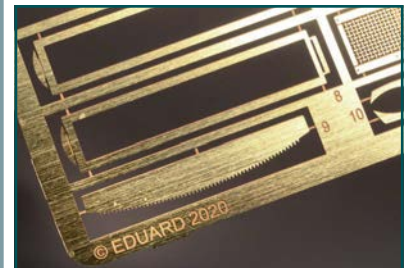
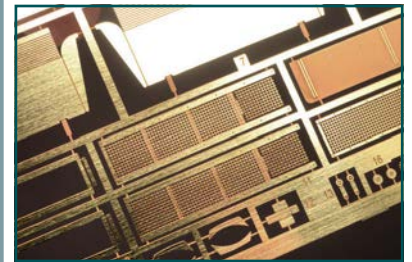
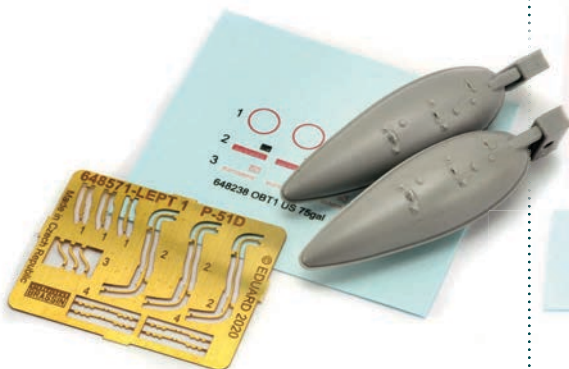
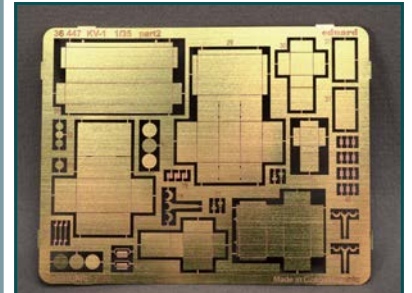
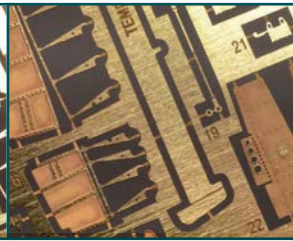
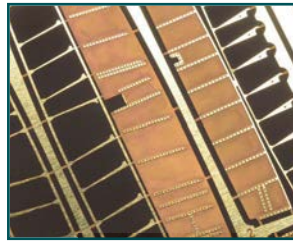
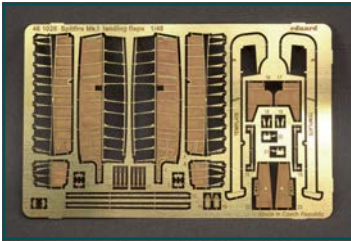
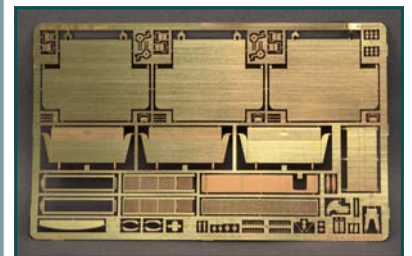
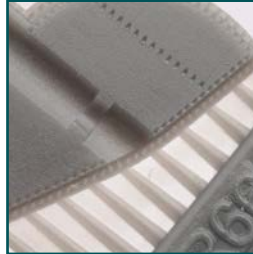
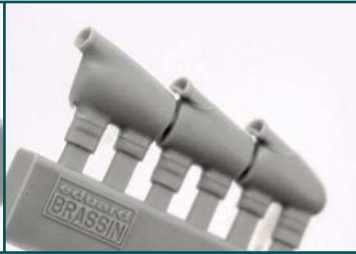
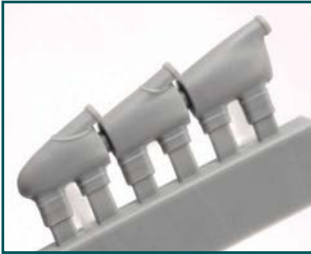
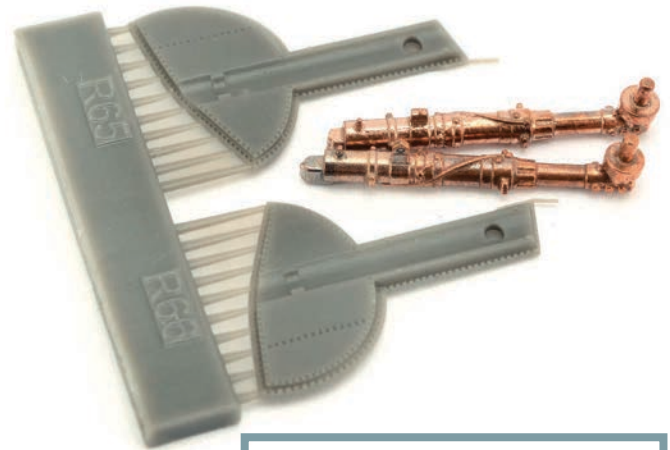
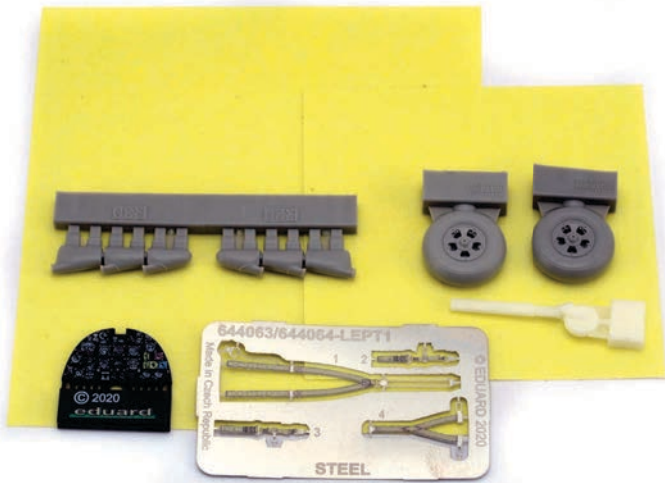
1:35 PHOTO-ETCH

- KV-1 (36447) for Tamiya (new)



Accessories

PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL CHAIN, **MMA**; MACHINED METAL PARTS), **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC), **WC**; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP



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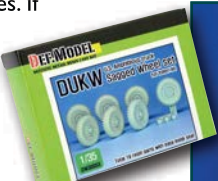
DEF MODEL, KOREA

www.defmodel.com

It seems to be a theme now, that a wheeled military vehicle model without a set of DEF Model's wheels just isn't as good as it could be! At TMMI we certainly feel that way and thankfully, for many WW2 and modern wheeled trucks, staff cars and APCs, DEF have you covered. Most notably in the latest batch from this manufacturer, we have a set of eight huge wheels and tyres for Zvezda's new 1:35 VPK-7829 Bumerang APC, meaning there is no longer any excuse to put off building that big beast. These tyres feature weighted patches to depict the heft of the real machine and carry some incredibly fine sidewall and tread detail: they are not just re-casts of the kit wheels/tyres with added bulges, they are much more than that and will really bring the Bumerang to life. Also new are three sets for Rye Field Model's 1:35 'Type 82E staff car' (VW Beetle) that offer two wide-tyre styles and one standard. Tamiya's sublime 1:35 Sd.Kfz.9 FAMO from 1999 gets a pair of new front wheels plus a spare and Italeri's DUKW (currently out of production) gets seven new wheels/tyres. If you have AFV Club (ex-Skybow) Dodge WC kits, DEF's resin wheels will make a big improvement to the look of the finished model.

1:35

- Russian 8x8 APC Bumerang Sagged Wheel Set (DW35117) For Zvezda
- 4X4 truck Dodge WC sagged wheel set (DW30052) for AFV Club, Italeri
- US amphibious truck DUKW sagged wheel set (DW30053) for Italeri
- German Sd.Kfz.9 FAMO sagged front wheel set (DW30040) for Tamiya
- German Staff Car Type 82E sagged wide wheel set 1 (DW30045) for RFM
- German Staff Car Type 82E sagged wide wheel set 2 (DW30046) for RFM
- German Staff Car Type 82E sagged wheel set 3 (DW30047) for RFM



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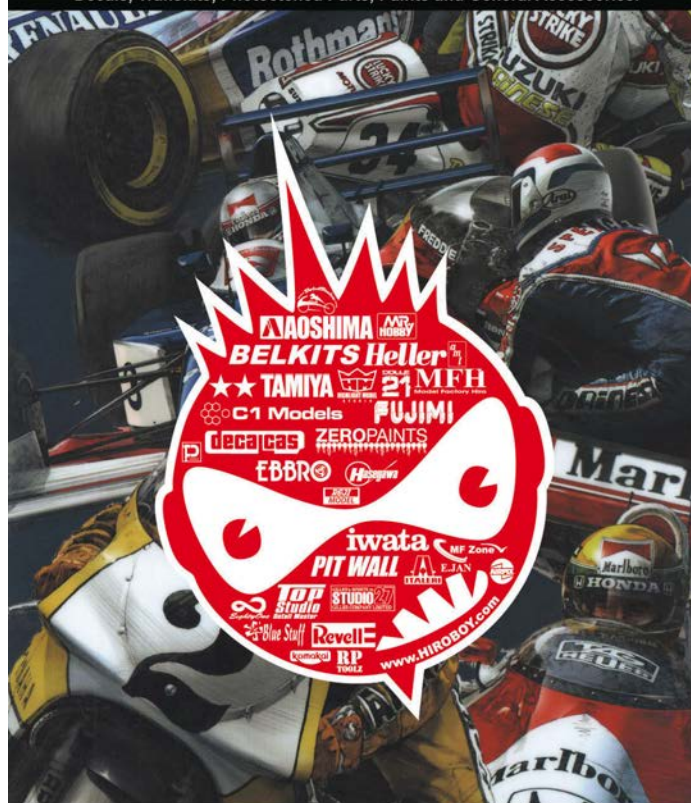
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BRENGUN, CZECH REPUBLIC KAMAN K-MAX

www.brengun.cz

SCALE: 1:72 • MATERIALS: R, VF, PE, WS • ITEM NO. BRS72018

The Kaman K-MAX (K-1200) is an American-built helicopter with intermeshing rotors, manufactured by Kaman Aircraft. The design is optimised for external cargo-load operations and is able to haul a payload of over 2,722 kg, which is more than the helicopter's empty weight! Brengun from the Czech Republic have created an all-new kit of this unusual-looking beast in 1:72 and it is rather wonderful. Cast entirely in grey resin, the kit comes with vacuum-formed canopy panels, a fret of photo-etched metal parts and a waterslide decal sheet. The latter provides markings for six machines: two civilian aircraft in white, red and blue (the prettiest) plus four US Marines versions (the coolest). Colour painting/decolling illustrations are provided for the first two with simple line-drawings for the USMC machines: WMU-1 WatchDogs A11496/A11497 or WMU-2 Night Owls, A11496/A11497 Afghanistan, May 2012 as they are all in overall FS36375 Light Ghost Gray. The resin castings are beautifully done with fantastic detail across the exterior and the cockpit is well appointed too, with PE instrument panel and seat harnesses. Care will be needed when separating the clear canopy parts from their carrier sheet (and the resin rotor blades too) but it will look fantastic when finished.



A fascinating subject, superb detail and appealing markings-options



A kit for those with some experience with resin and vacuum-formed parts



HAULER, CZECH REPUBLIC RUSSO BALT TYPE C

www.hauler.cz

SCALE: 1:72

MATERIALS: R, PE

ITEM NO. HLP72034

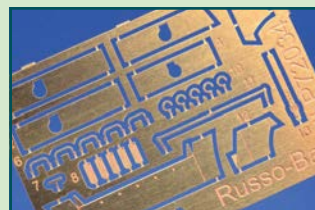
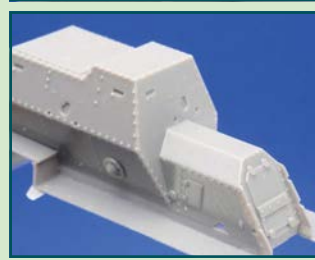
The Russian manufacturer 'Russo-Baltique' was founded in 1903 in Riga, Latvia, then located in the industrial centre of Imperial Russia. Cars were built from 1909 and their 'Type C' was used as the basis of this armoured car. Apparently, fifteen such machines were built from 1914 to 1915 and they formed the very first Russian armoured unit in operation during the First World War. The 'Russo-Balt C' was powered by a 40bhp, four-cylinder, air-cooled petrol engine that offered an exhilarating top speed of around 11mph. The Type C was armed with three to four Vickers .303 machine-guns with 5,000 rounds carried on-board and manned by a crew of four to five men. Hauler are well known for their range of small-scale military vehicle kits and it's good to see this boxy beast added to the line-up. The body is a solid resin casting with a panel depicting the chassis and lower engine structures for the underside. Leaf springs and axles are then fixed to this, forming the model's underpinnings. Photo-etched brass takes care of the hull's exterior fittings such as machine gun panels, vision slots and hatch handles. A lovely little model of a Russian rarity! Vehicle history edited from www.tanks-encyclopedia.com



An unusual but fascinating subject choice and a well detailed, quick to build model



Not really a negative point, but assembly is with cyanoacrylate glue only



OR EPS; EXTRUDED PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL TRACK LINKS, LC; LIQUID CEMENT, LCC; LASER CUT CARD, KS, PE; PHOTO ETCH, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAPER STRIP; R; RESIN, SVT; SOFT VINYL TYRES (OR TUBING),



EDUARD, CZECH REPUBLIC

VERY LONG RANGE:TALES OF IWOJIMA LIMITED EDITION

www.creativemodels.co.uk www.eduard.com

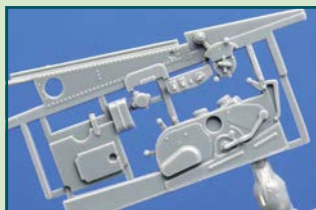
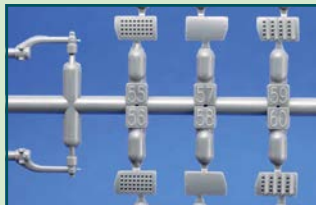
SCALE: 1:48 • MATERIALS: IM, WS, R, PE, PCM • ITEM NO.11142

This limited-edition offering of Eduard's magnificent, recently-tooled 1:48 P-51D Mustang allows the modeller to depict one of

no less than twelve machines from the 15th, 506th or 21st Fight Groups, based in the Pacific Theatre of Operations during World War Two. These aircraft were designated 'VLR' (Very Long Range) and used for extremely hazardous, long-distance missions to attack targets on mainland Japan in the closing months of the conflict. They were fitted with extra droptanks and set some new records for extended flights. Eduard's sublime kit comes moulded on four sprues of their characteristic blue-grey polystyrene, plus a circular sprue in clear that carries the canopy, gunsight and light-lens parts, a bag of resin castings for the wheels/tyres and rocket mounts and, of course, photo-etched parts for the instrument panel, seat harness, flight controls and more. The aforementioned decal sheet is unsurprisingly large but the set for each option are clearly marked with dotted lines: printing is perfect and the detail in each transfer is excellent. As always, Eduard provide instructions (a booklet in this case) that are very easy to follow, incorporating painting guides and where to fit photo-etched parts at each stage. A section of full-colour, four-view illustrations is provided as a painting/decolling guide and an extra page shows the modeller where to place the data stencils on this stunning model.

+ A stunning, highly detailed and accurate kit and some superb markings options

- You'll want to buy ten more Mustang kits to use up the unused decals!



ITALERI, ITALY

MAN F8 19.321 4X2

www.hobbyco.net

SCALE: 1:24 • MATERIALS: IM, SVT, WS • ITEM NO.3946

The F8, produced by the famous German manufacturer MAN – the initials originally standing for 'Maschinenfabrik Augsburg-Nürnberg' – was an important commercial

design. The reliable, German-made powertrain was coupled to a cabin designed and produced in France by the manufacturer 'Saviem'. The 19.321 two-axle tractor unit can be considered one of the most versatile models made, used in various logistics, goods-handling and transportation activities.

The first thing that hits you with Italeri's kit is the wonderful retro livery of red, orange and yellow stripes around the white cabin, with a red-painted chassis adding to the overall look. It's really attractive and if you were looking for a truck kit to build based on looks alone, this would surely be the clincher. The stout box is crammed with sprues – over seven in total – in white, black, grey, metallic grey and clear polystyrene, plus superb, soft-vinyl tyres with sidewall markings, 'chrome' plated brightwork and those fab decals. Detail throughout is impressive, as it always is with Italeri's truck kits. Here we have a highly detailed engine, part-by-part chassis, steerable front wheels, air suspension and complete drivetrain. All the modeller might want to add are the brake-lines, if they have the references and enough patience! The cabin is well fitted out, with sprung seats, individually-moulded foot pedals and detailed door liners.

+ Superb livery and very thorough detail inside and out. It even comes with a little Michelin 'Bibendum' for the top spoiler!

- Tiny amounts of moulding flash here and there, but nothing too bad



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REVELL/BANDAI, EUROPE STAR WARS B-WING STARFIGHTER

www.revell.de/en

SCALE: 1:72

MATERIALS: IM, WS, SAS

ITEM NO.01208

The Rebel Forces' 'B-Wing' starfighter is perhaps one of the lesser-known ship designs of the Star Wars universe but as with all of the inventory: A-Wing, Y-Wing, X-Wing, TIE Fighter et al, it has its place in the order of battle and its distinctive profile is never forgotten once seen. The design of the B-Wing is made all the more interesting thanks to its 'rolling' cockpit pod, which stays in the 'level' position (what is 'level' in space?) while the rest of the machine rotates around it. Quite why it does this is left to the imagination, but it's still a cool concept. Bandai teamed up with Revell some while back and this has meant access to their stunning Star Wars kits is now much easier for many modellers. The B-Wing is the latest in the line-up and as with their previous releases, it is magnificent. Seven sprues of polystyrene comprise the kit, which at 1:72 is just the right size for the average workspace. Bandai's injection-moulding precision is near-legendary, offering a gapless fit-of-parts and eye-wateringly fine detail at the same time. They also employ moulds that can incorporate several colours of plastic in one frame: it's rather odd seeing the clear canopy part as part of the grey sprue in this model!

+ Unimpeachable subject, stunning detail, easy to build, what's not to love?

- Come on, would we criticise a Bandai/Revell Star Wars kit?



ZVEZDA, RUSSIA MC-21-300 CIVIL AIRLINER

www.hobbyco.net

SCALE: 1:144 • MATERIALS: IM, WS • ITEM NO.7033

The Irkut MC-21 is a Russian single-aisle, twinjet airliner, developed by the Yakovlev Design Bureau and produced by its parent Irkut, a branch of the United Aircraft Corporation. Initial design-work started in 2006, ongoing until 2011. After a delay to the scheduled introduction from 2012 to 2020, Irkut rolled out the first MC-21-300 on 8th June 2016. It is powered by a pair of Pratt & Whitney PW1000G or Aviadvigatel PD-14 turbofans. (History edited from Wikipedia). Refreshingly, Zvezda have chosen to mould this kit in mid-grey polystyrene instead of the more usual white plastic, seen in other airliner kits and it's a very welcome change. White plastic, being so reflective, can be hard to work with: details can be missed. With this Zvezda release, they have again proved they are leading the field with their airliner models, incorporating impressive levels of detail and refinement in the parts. With a fuselage length of approximately 290mm, the kit also proves that 1:144 is the ideal scale for these subjects, big enough to carry surface detail and in-scale undercarriage elements but not so big that it won't fit on the workbench and display cabinet. The high-bypass engine nacelles are a particular delight, with their open-bladed intake fans giving a realistic appearance.

+ A very attractive aircraft that looks great in miniature. Stunning detail and beautifully printed, gloss decals

- Only the corporate livery is included here but aftermarket decal makers will step in for sure



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A BELLIGERENT BUFFALO

FROM THE BATTLE OF MIDWAY

Manuel Gil García combines Hasegawa and Special Hobby Brewster Buffalos to create an F2A-3 in 1:72

Photographs: Tomás de la Fuente and Manuel Gil

Marine Fighter Squadron 221 (VMF-221), based on Island Eastern, Midway, was equipped with twenty-one Brewster F2A-3 and seven Grumman F4F-3 Wildcats, under the command of the MAJ Floyd B. Parks. On 4th June 1942, the Squadron put into the air twenty F2A-3 and five F4F-3 to defend the islands from the Japanese air raiders in the 'Battle of Midway'. During this combat, thirteen Buffalos and two Wildcats were shot down.

Having seen the cover of the Squadron Signal Publications book dedicated to this plane, I felt the urge to build one of these Battle of Midway machines in model form, but I was held back by the lack of an F2A-3 kit. When Special Hobby launched their 1:72 model I didn't think twice and bought it immediately. Upon my first glimpse of the sprues, I could see that they had used Hasegawa's F-2A2 moulds, adding some new parts, utilising others and modifying the frontal area of the fuselage to adapt it to the F2A-3 version. In addition it provides a series of resin castings that form the side consoles of the cockpit, rudder pedals and instrument panel that will up-detail the interior. ►





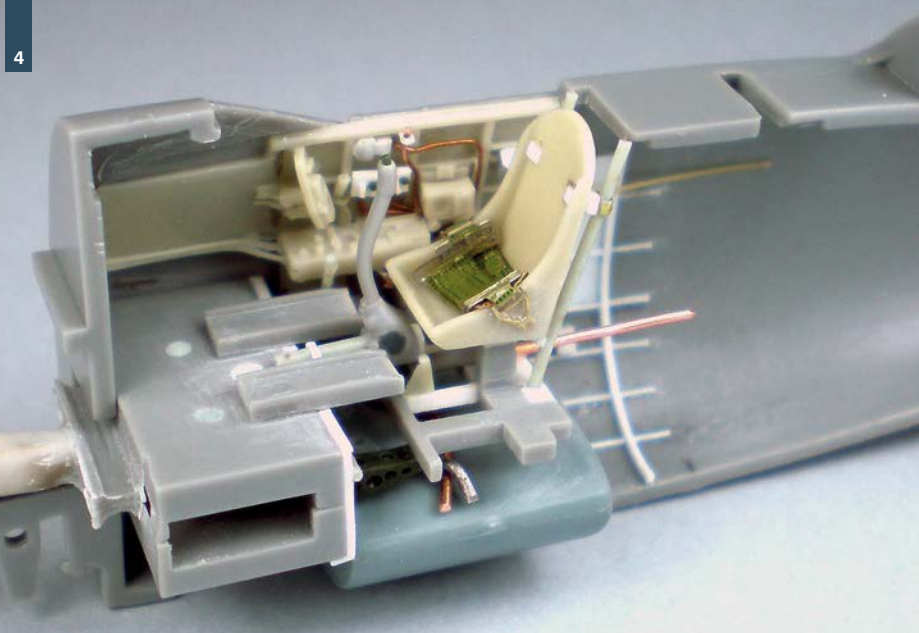
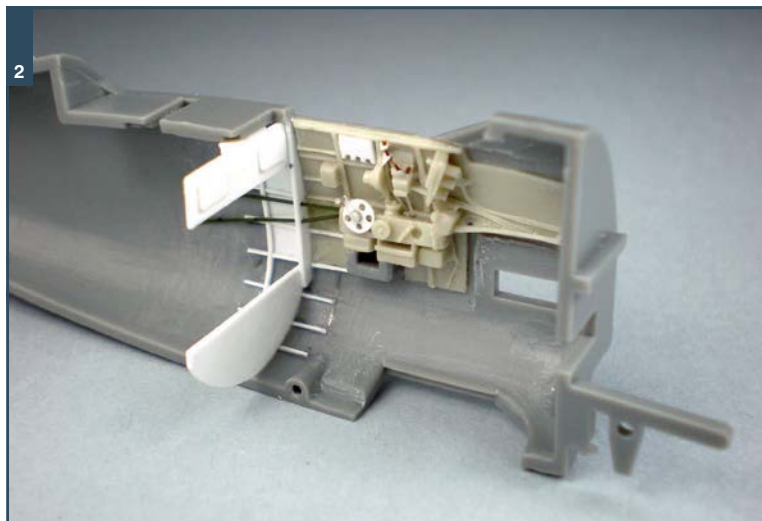
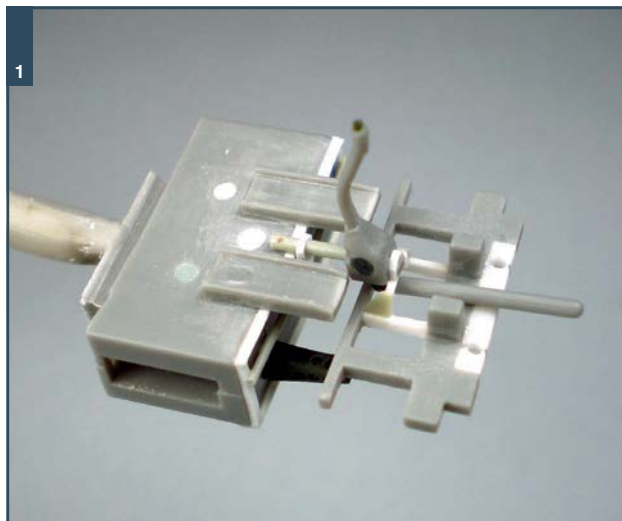
A wonderful view of a Brewster F2A-3 Buffalo fighter in flight, 2nd August 1942, piloted by Lieutenant Commander Joseph C. Clifton. Note the staining on the forward fuselage. Official US Navy Photograph from the collections of the Naval History and Heritage Command #NH 97540 (Public domain)



FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

HASEGAWA 1:72 F2A-2 BUFFALO US NAVY ● KIT NO.AP45

SPECIAL HOBBY 1:72 F2A-3 BUFFALO ● KIT NO.SH72126



ASSEMBLY

After checking the fit of parts for the main fuselage mouldings, I could see that they were not quite as refined as I had hoped. In addition, there was a noticeable difference in the style of detail between the Hasegawa and Special Hobby parts. It was then that the idea of using the Hasegawa kit as the basis of the project and adding Special Hobby's parts came to me. Firstly, to confirm that the transformation was viable, I checked that the cowling of Special Hobby's fuselage would line up with the front end of the Hasegawa fuselage, so I could use this modified part on my build. It did, so I could proceed with the model.

I began assembly with the floor of the cockpit, removing the incorrect parts and up-detailing the control column with plastic sheet and rod (Photo 1). I reduced the thickness of plastic in the sidewalls, then fixed the Special Hobby resin side-consoles and cockpit wall parts. These are extremely thin and fit

perfectly inside the cockpit, coinciding exactly with the ribs that support the seat (Photo 2).

The resin instrument panel and the rudder pedals are excellent and I only had to modify the lower panel to adapt it to the F2A-3 version (Photo 3). I used the SH resin seat to which I added the frame structure and Eduard's photo-etched harnesses. I then test-fitted all the cockpit parts to ensure they came together perfectly (Photo 4), before the painting began.

After masking off the cementing surfaces, I airbrushed the Interior Green and two highlight effects, the first one with added yellow to the colour base and the second with added white. I applied them very diluted and sprayed them more heavily in certain areas to create the most intense highlights. I also added some drops of gloss varnish to form a satin sheen in the finish (Photo 5).

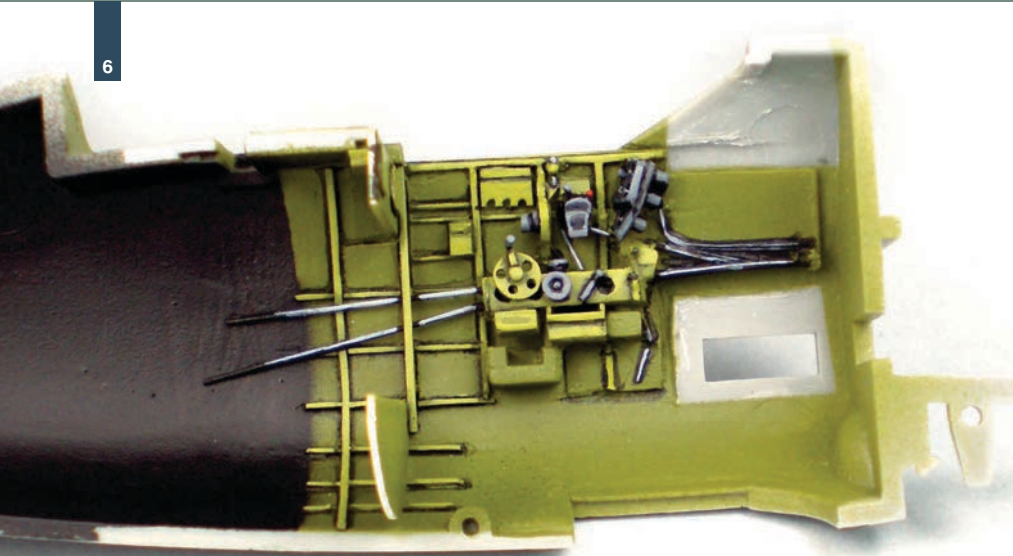
With a paintbrush, I outlined with very diluted black all the raised detail of the cockpit interior and applied

the final round of highlights with a mixture of Vallejo Interior Green, Yellow and White. On the dials of the instrument panel, I applied Johnson's Klear (varnish) to simulate the dial faces (Photos 6, 7). I then fitted all the parts that formed the cockpit and cemented the halves of the fuselage together, later adding the tail cone with the arrestor hook. I cemented both parts extracted from the front of Special Hobby's fuselage and added the frontal cowling ring from the Hasegawa kit (Fuselage A, B and C).

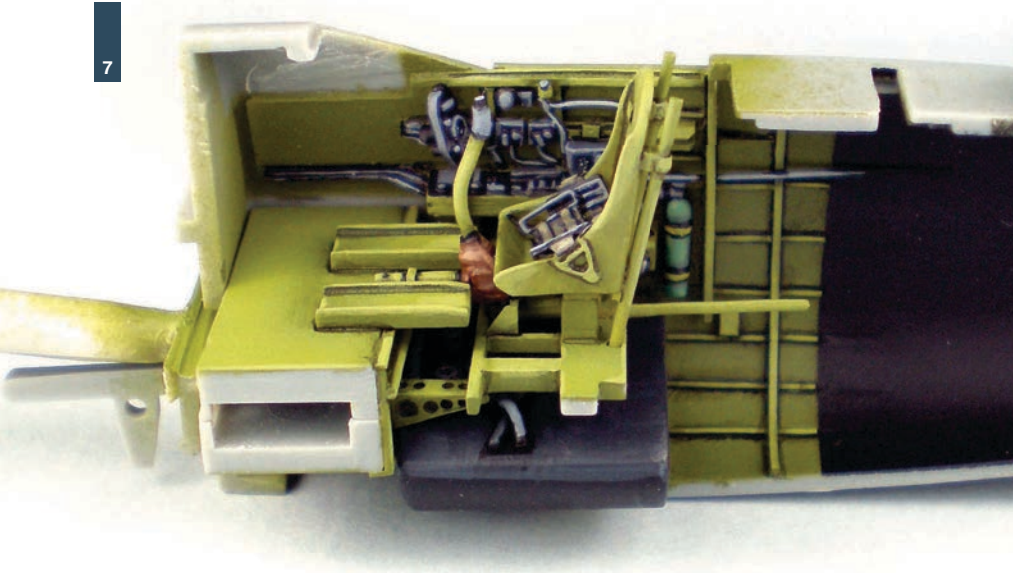


Fuselage

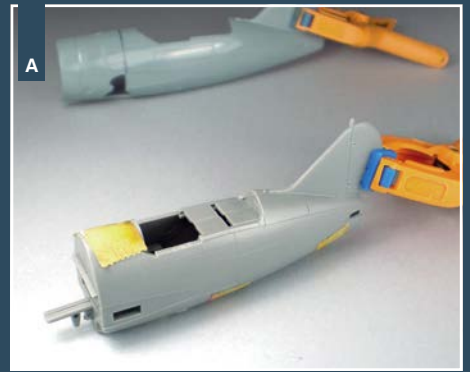
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7



A



B

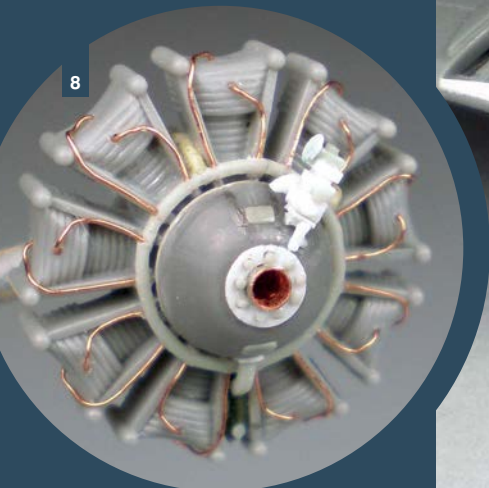


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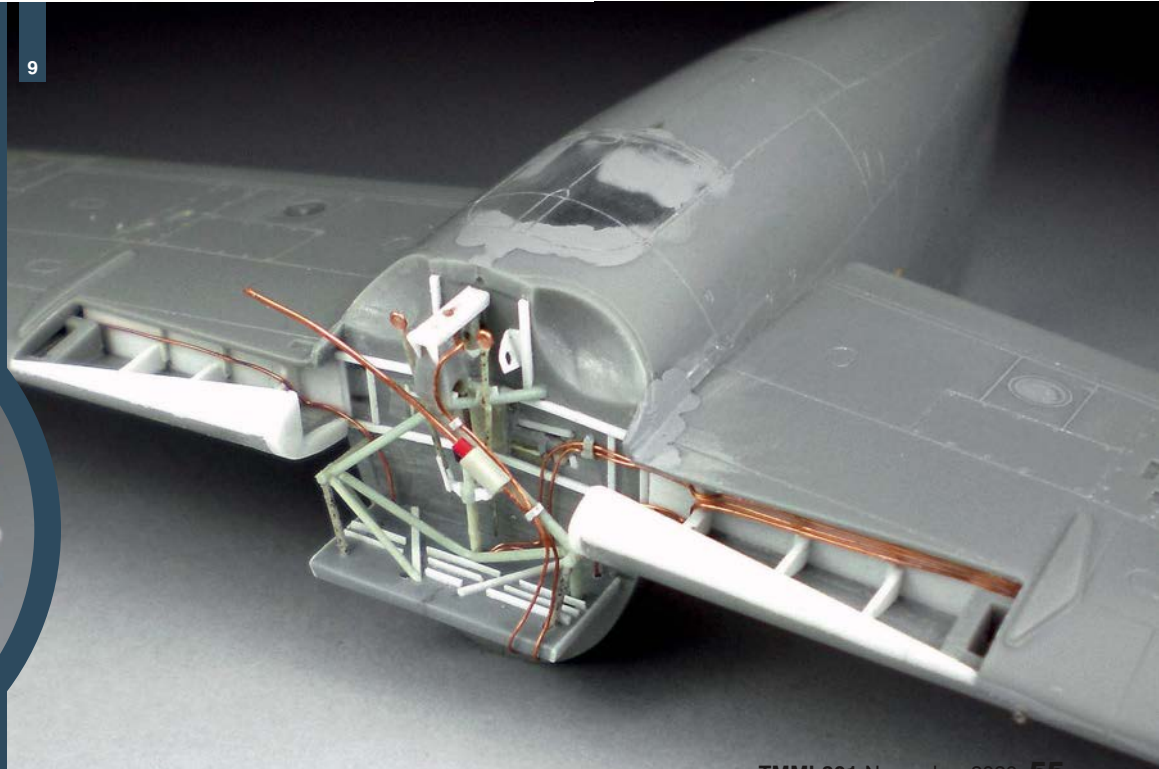


“There was a noticeable difference in the style of detail between the Hasegawa and Special Hobby parts...”

8



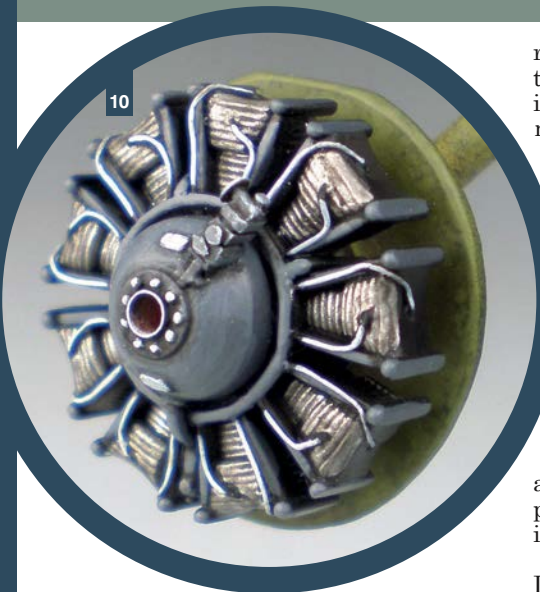
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FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

HASEGAWA 1:72 F2A-2 BUFFALO US NAVY ● KIT NO.AP45

SPECIAL HOBBY 1:72 F2A-3 BUFFALO ● KIT NO.SH72126



I had planned to use Vector's resin Wright Cyclone R-1820 engine and although it is an excellent casting, I had to reject it as it was too wide in diameter to fit within the cowling. Instead, I up-detailed the kit engine with plastic scrap and copper wire (Photo 8). Using the same materials, I superdetailed the complex interior of the undercarriage housing and

retraction system. It is very important to obtain a symmetry in the whole interior structure so the engine and its mounting brackets will align correctly (Photo 9).

Before painting the engine I mounted it to a piece of plastic shaped to the cross-section of the interior. I airbrushed the forward face of this, plus the cowling's inner faces. To create some oil stains, I flicked diluted black paint from the bristles of a paintbrush and then masked off the green and applied a black colour-wash over the engine. I hand-painted the cylinders with Vallejo Model Air Aluminium and with differing tones of grey, I painted the gearbox housing and the ignition wires (Photo 10).

With the engine cemented in place, I mounted the exhaust stacks, which I had made from hollow aluminium tubing. To the rear of the engine, I added Special Hobby's resin radiator, plus resin compressor and accessories, improving the latter with fine wire. I finished off by fitting various gauges of copper wire to simulate the cabling and plumbing in this area (Photo 11). I applied masking tape to paint this part of the interior, using Vallejo's colours. First I applied white primer, mixed

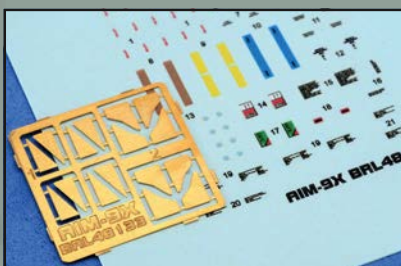


Mini Review...



BRENGUN 1:48 AIM-9X
SIDEWINDER (BRL48133)
www.brengun.cz

The AIM-9X Sidewinder missile has been in service for over twenty years and is carried by the US Navy's F/A-18 and USAF F-15 aircraft. This new set contains two missiles cast in grey resin with clear resin for the tips, photo-etched brass for the fins and data stencil decals





The gun access hatches were painted with Mr Hobby H325 Grey



Four layers of highlights were applied to the airframe, beginning with a mixture of three parts of XF-18 Medium Blue and one part XF-2 Flat White

with a bit of black. For the colour base I used Medium Sea Grey. For the highlights I mixed equal parts Medium Sea Grey with Barley Grey (Photo 12).

I applied a colour-wash in the corners and recessed details with very diluted black paint. I made the final highlights by brush with the useful Vallejo Pale Grey Blue (Photo 13) and I also painted the tail wheel. I detailed-up and finished other elements such as the landing gear legs and the pitot tube in the right wing, the latter being made from a 0.5mm diameter needle.

I finished off assembly by detailing

the rear portion of the canopy, adding to the framework a piece of plastic sheet to simulate the pilot's armour plate. I made the RDF (Radio Direction Finding) antenna by coiling thin copper wire and fixing it to a plastic support. I also constructed the canopy rails at this point. I painted this area of the model following the same procedure used in the cockpit. I masked off the canopy with tape plus Micro Kristal Klear diluted with water and applied this mixture with the help of a paintbrush (Photo 14) to seal up the masking tape. As final detail, I added

the insulator where the antenna cable enters the rear left fuselage.

This is my interpretation of one of the Brewster F2A-3 Buffalos present at Midway in 1942 as piloted by the Major Floyd B. Parks during combat with the Japanese forces, according to the profile painted by G. Asher. This information and other details were extracted from the Brewster Buffalo Forum, especially the contributed ones by Jim Maas who very kindly answered my questions. I dedicate this article to my friends Tomás de la Fuente and Daniel Zamarbide. ●



To simulate repainted zones, the author applied Medium Blue to the rudder



Wear and tear was simulated by varying mixtures of the base tones, applied around fasteners and panel lines



A view of the undersides after the application of colour-washes mixed from ivory black and burnt sienna oil paints

FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

HASEGAWA 1:72 F2A-2 BUFFALO US NAVY ● KIT NO.AP45

SPECIAL HOBBY 1:72 F2A-3 BUFFALO ● KIT NO.SH72126



TECHSPEC...

HASEGAWA 1:72 F2A-2 BUFFALO US
NAVY KIT NO.AP45
SPECIAL HOBBY 1:72 F2A-3 BUFFALO
KIT NO.SH72126

Materials:

Injection-moulded polystyrene, waterslide
decals

Paints used:

- Vallejo Acrylic Model Color: Gloss Black 70861, German Uniform 70920, Flat Yellow 70953, Flat Red 70957, Flat Blue 70962, Flat Brown 70984
- Vallejo Acrylic Model Air: White 71001, Yellow 71002, Interior Green 71010, Sandy Brown 71034, Burnt Umber 71040, Olive Drab 71043, Light Grey Green 71044, Pale Grey Blue 71046, Medium Sea Grey 71049, Barley Grey 71051, Black 71057, Aluminium 71062, Insignia Blue 71091, US Blue Gray 71114,
- Tamiya Acrylic: XF-1 Flat Black, XF-2 Flat White, XF-7 Flat Red, XF-18 Medium Blue, XF-19 Sky Grey, XF-63 German Grey, XF-64 Red Brown
- Titan Extra Fine Oils: Ivory Black 82, Burnt Sienna 96

Other materials used:

- Vallejo: White Primer 73600, Black Shade 73201, Pigment Carbon Black 73116
- Mr Hobby: Acrylic Grey FS26440 H325
- LARA: Metallic Paint
- Mig Productions: Pigment Light Dust P027
- Johnson's Klear (Future Floor Polish)

Accessories used:

Eduard: Photo etched Seatbelts USN early (73014)

Availability;

- Hasegawa models are widely available from good model shops and online
- Special Hobby models are widely available from good model shops and online:
www.specialhobby.eu
- Vallejo: www.creativemodels.co.uk





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Book Reviews

GOT A NEW BOOK? IF YOU ARE A PUBLISHER WITH A NEW MODELLING RELATED TITLE TO PUBLICISE, WHY NOT SEND IN A COPY FOR REVIEW HERE?

FORGOTTEN ARCHIVES 3

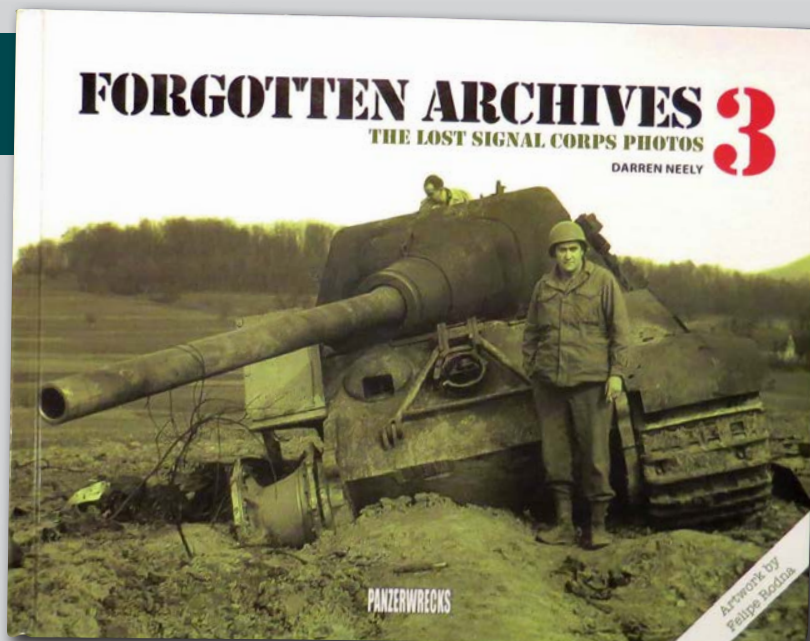
DARREN NEELY

ISBN: 978-1-908032-21-8

www.panzerwrecks.com

This is the third volume in the series – and in my view the best so far – where the author has gathered together unpublished photos taken by members of the US Signal Corps, who were the official photographers employed to record the war in still and moving images. As a result, the pictures in this book are of extremely high quality, in sharp definition, well composed and showing particularly significant views of vehicles. In general, the pictures of German vehicles show abandoned wrecks and most reveal some battle damage. Understandably, most shots of US vehicles are in action, or at least in use, with relatively few as casualties of war. There are some unusual vehicles featured, including early versions of Panzer II and Panzer III, and one aircraft (Thunderbolt) sneaks in. The LVT4 is misidentified as an LVT(A)2, but all other captions are perfect. I could spot over forty different vehicle types – not including sub-variants – so this book has a huge wealth of interest for anyone interested in WW2 in NW Europe.

The book has 240 pages, mainly with one large photo per page. Naturally, these are invariably black-and-white pictures, but the artist Felipe Rodna has added eight colour interpretations of photos in the book, so that the reader can imagine the appearance of the real vehicles. For added interest, there are thirty-one QR codes which take the reader to either Google Maps or to Street View, so that the exact location of the photographer in 1944-5 can be understood. Overall, this is a great addition to the series, but is certainly a superb standalone publication with huge value to modellers and to anyone interested in vehicles of the period. **CLS**



LAST PANZER BATTLES IN HUNGARY: SPRING 1945

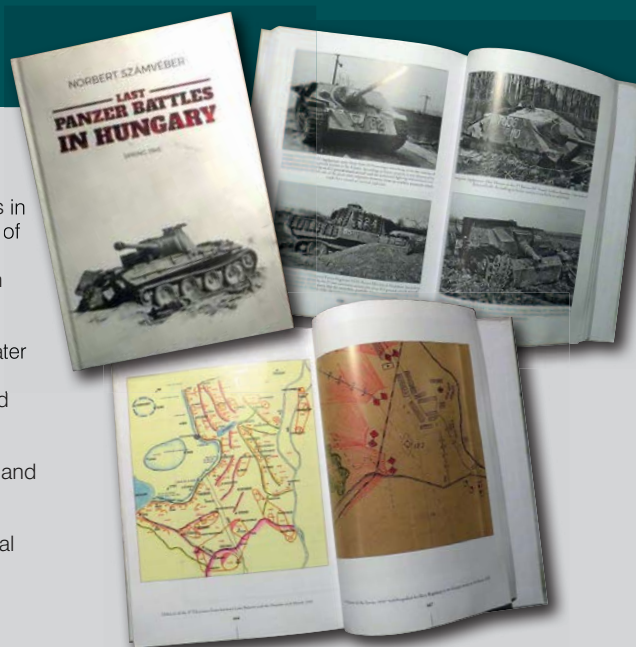
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www.panzerwrecks.com

As the Soviet armies moved West in 1944, they swept into Hungary and began the siege of Budapest. After the capitulation of the city in February 1945, the reconstituted German 6-Panzerarmee launched the last major offensive of the war, Operation Spring Awakening (Unternehmen Frühlingserwachen) around Lake Balaton. This decision to oppose the Soviets in Hungary, rather than draw back into the Reich, may seem strange with hindsight, as the end of the war was just a few weeks away.

This superb book by Számvéber makes use of newly released information about the Russian side of the initial defence and then counter-attack against the German offensive. The text describes in 400 pages, how the German panzer units were able to fight desperately to the last, but faced experienced Russian forces with overwhelming numerical superiority and greater tactical freedom. Inevitably, the German forces retreated after suffering irreplaceable losses. The text in this book is very readable and detailed, giving specific information about units and the vehicles used in each action. Towards the back of the book there are twenty-two photos of German vehicle wrecks, with a description of how it was destroyed. The opposing Soviet vehicles are not shown. Finally, the book has around forty-five pages of contemporary maps and organisation charts, which may help the reader to follow the events more easily. Without doubt, a book for specialists who want to know more about the confused and little-known events at the tail end of the war, when the fighting was at its most desperate and brutal on both sides. **CLS**



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How to Build... TAMIYA'S 1:48 LOCKHEED P-38F/G LIGHTNING

Pre-order currently in production. By Marcus Nicholls.

The Lockheed P-38 Lightning is an iconic US fighter from the Second World War. Its twin Allison V12 engines were mounted in booms to free-up the nose so it could house a fearsome array of four M2 Browning machine guns and a 20mm cannon. The twin-boom airframe became a sight feared by enemies wherever it served, with good reason.

In 2019, after several years of painstaking research, Tamiya released an all-new kit of this sleek aircraft and it has taken its place proudly in the 1:48 Aircraft Series as No.120 in the range.

In this new 'How To Build' book, Tamiya Model Magazine's Editor, Marcus Nicholls, presents no less than four built-up examples of Tamiya's fantastic model; one Lightning each from Brett Green and Spencer Pollard, plus two from Marcus Nicholls.

The second of Marcus's models incorporates resin and photo-etched super-detail sets from Eduard, showing how they can be used within the build to take the detail to an even higher level. New photos of the other models show how Brett Green and Spencer Pollard built and painted the models in their own styles.

The book includes four complete builds, covering the following topics:

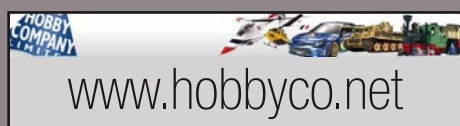
- Adding photo-etched parts
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THE JOY OF SIX

Eduard's Bf109 Gustav 'Yellow 6' in 1:48



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The Editor's Page...

3D printing has the power to transform cockpits and model cars

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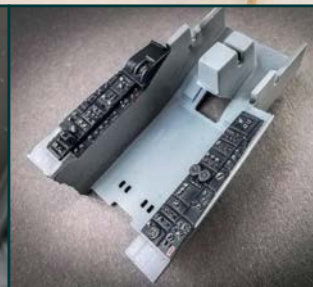
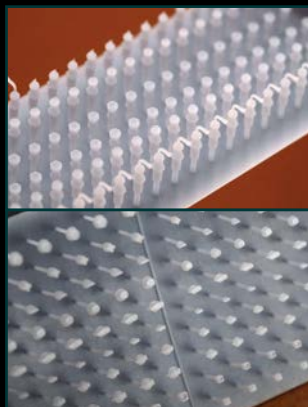


INTRODUCING ANYZ!

As the quality of 3D printed objects continues to improve, we are seeing ever more use of this technology in the world of scale modelling: the precision and detail now on offer is staggering and this can only benefit the modeller. New manufacturer 'Anyz' from Germany have created a range of printed knobs, nuts, dials, connectors, spark plugs, toggle switches, cockpit handles and more in the scales of 1:35, 1:32, 1:24 plus 'universal' and they have to be seen to be believed. In fact, they are so small, they were rather hard to see with the naked eye, so we used our macro lens at maximum magnification to shoot the pictures shown here!

They are printed in light grey resin on boards with raised, protective ends to prevent the minuscule items being damaged in transit and they are simply perfect. Anyz also offers braided cabling, data decals and more and we shall take another look at the range in the next issue of Tamiya Model Magazine. ●

Availability;
Anyz accessories are
available from: www.anyz.io





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**INNOVATIONS
IN MODEL KITS**



Chilling on Campus

1/24 Sports Car Series **Campus Friends Set II** (Item 24356)

This is a set of five figures in most modern pose, featuring people taking a "selfie," carrying a backpack, and even leaning on a scooter – they will be a super creation as a set by themselves, and can of course add plenty of life to dioramas. The latest 3D scanning techniques were used to ensure completely natural proportions and pose, right down to depictions of the way the clothing hangs, and numerous accessories have been put in the box to choose from. Also in the set is a 1/24 model of the Yamaha Vino scooter. Some figures even have a choice of head parts and poses, making this a highly versatile addition to your modeling collection.

★Figures are endowed with highly realistic expressions and poses, including the natural folds and creases in their clothes that really bring them to life. ★Separate parts are used to recreate guitar case, smart phone, bags and other accessories. ★A model of the retro-cool Yamaha Vino is also included.

Use the plentiful accessories anyway you like!



(Example of use with 1/24 sports car model)

Guitar case is compatible with male figure.



Image shows 1/24 Mazda MX-5 (Item 24342, sold separately)



Realistic backpack shape.



- 1 Figures taking a "selfie" can be depicted with coffee cups.
- 2 Each of these figures has a choice of two head parts.



The Yamaha Vino is just 70mm long, but with a highly authentic finish. Decals are included for Yamaha logo, instrumentation, license plate and more.

Get your figures right!

These Weathering Master Sets add expert shading and depth to your figures. Apply using the included brush.

Set G (Item 87126) **Set H** (Item 87127)



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Figure Accent Color (Pink-Brown) (Item 87201)



YAMAHA
LICENSED PRODUCT



★Images show assembled and painted kit. ★Product may vary from images shown.

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