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V

FOR VICTORY
Building Airfix's all-new
1:72 Avro Vulcan B.2

Model
MAGAZINE
INTERNATIONAL

ISSUE
316

February 2022
£4.95

Model MAGAZINE

INTERNATIONAL

Tamiya's fabulous all-new 1:35
M18 Hellcat
concludes

**DUST
DEVIL!**

INSIDE

Telford 2021, Tamiya Mustang GT4 Volt, Revell VW travelling van, plus new kits, books and modelling accessories...

DOOLITTLE
MEDIA



Team SUZUKI ECSTAR GSX-RR '20

1/12
SCALE



THE HOBBY COMPANY LIMITED

A Worthy Champion

1/12 Motorcycle Series

Team Suzuki ECSTAR GSX-RR '20 (Item 14139)

Suzuki - which celebrated the centenary of its establishment and the 60-year anniversary of motorcycle racing activity - entered two bikes in the 2020 season of the prestigious MotoGP series. Bearing the name of Suzuki's own engine oil brand ECSTAR, the GSX-RR equipped with a water-cooled 4-stroke inline-4 engine has kept evolving since its debut in 2015. For 2020, the color scheme was changed to a blue and silver color one inspired by their 1960s GP racers of yore. Thanks to both riders, Joan Mir and Alex Rins, the GSX-RR took Rider and Team championships in MotoGP, a splendid feat for Team Suzuki in this momentous year. Now, this motorcycle joins the Tamiya 1/12 Motorcycle Series. The model authentically depicts the aerodynamic form with a 1,000cc inline-4 engine in style. Check out the splendid mechanism with your own eyes.



Screw-attached cowls can be removed after assembly. Internal air box and fuel tank are separate parts, and the exhaust accurately recreates the honeycomb mesh in its openings.



The front cowl winglets are the latest MotoGP trend. Individual buttons and levers on the handles are also captured, while the display is depicted by a decal.



Contains black stickers to recreate tank cover grip pad for Alex Rins.

Includes masking stickers for painting demarcation.

Length: 178mm
Width: 62mm
Height: 100mm

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



Tank cover grip pads for Joan Mir are clear parts.

Features a realistic rendering of the GSX-RR's distinctive lower fender which allows air to flow onto and cool the rear tire.

Dedicated plastic and metal parts for a fantastic finish

Detail-Up Parts Series

1/12 Scale Suzuki GSX-RR '20 Front Fork Set (Item 12691)



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TAMIYA



52 V FOR VICTORY

Airfix's stunning new 1:72
Vulcan B.2 full-build



COVER STORY

28 DUST DEVIL: HARD-HITTING HELLCAT PT.2

Work concludes on
Tamiya's all-new 1:35 M18



12 HIGH TENSION

A quick look at Tamiya's 1:24 Mustang GT4 in 'Team Volt' colours



Model MAGAZINE INTERNATIONAL

Issue 316 February 2022

EDITOR Marcus Nicholls
editor@tamiyamodelmagazine.com

Contents

4 NEWS DESK

New kits and model product news

6 SCALE MODELWORLD 2021

Tamiya Model Magazine was back in full force for
Scale Modelworld 2021

16 HEAVEN CENT!

Tamiya is to release a 1:16 RC Centurion Mk.III to
the RC series

26 マウントニイタカを登る!

"Climb Mount Niitaka!" Eduard's all-new 1:48 Zero
is here

38 MODELLING BY BUS, AROUND THE WORLD!

Revell's 1:24 VW T3 bus goes on an expedition!

44 NEW RELEASES ACCESSORIES

New and recently issued modelling accessories

48 NEW RELEASES KITS

New model kits reviewed

60 BOOK REVIEWS

New and recent books related to scale modelling

64 CONTACTS

Where to buy the products used and reviewed in
TMMI

66 THE EDITOR'S PAGE

A quick look at Tamiya's new 1:35 KV-2 Soviet
bunker-buster

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Subscription rates for 1 year (12 issues) are:

Within UK: £50, Europe: £62, Worldwide/USA: £75

IN BRIEF...



TAMIYA

- 1:32 Mini 4WD Raikiri (Blue) and Dog Racer
- 1:32 Mini 4WD Raikiri (Pink) and Pig Racer
- 1:32 Mini 4WD Raikiri (Green) and Panda Racer
- 1:32 Mini 4WD HG Aluminium Large Dia. Narrow Wheels (for Super X & XX Chassis)
- 1:10 RC Fighting Buggy (2014)
- 1:10 RC Astute 2022 Body Parts Set
- 1:10 RC Thunder Shot (2022)

hobbyco.net

MINIART

- 1:35 "Market Garden" Netherlands 1944
- 1:35 G7117 1.5t 4x4 cargo truck w/ winch

creativemodels.co.uk



REVELL

- 1:87 Express Locomotive BR 02 & Tender 2 2 T30
- 1:35 Unimog 2t milgl
- 1:32 Stearman PT-17 Kaydet B
- 1:24 Mercedes-Benz 1625 TLF 24-50
- 1:24 2017 Ford GT (easy-click)
- 1:24 2014 Corvette Stingray (easy-click)
- 1:24 Deutz D30 Tractor (easy-click)
- 1:72 Model Set FA-18F Super Hornet
- 1:24 Model Set Porsche 911 Carrera 3.2 Coupe (G-Model)
- 1:24 Model Set Porsche 911 Carrera 3.2 Targa (G-Model)
- 1:24 Model Set P Fendt F20 Dieselross Tractor

revell.de/en



TAKOM

- 1:72 Leopard 2A7
- 1:72 USS Missouri Battleship gun turret No.1

bachmann.co.uk

ZVEZDA

- 1:48 Yakovlev Yak-9D
- 1:72 Yakovlev Yak-9D

hobbyco.net



COMING SOON FROM TAMIYA

1:12 Renault RE-20 Turbo with photo-etched parts

This classic 1:12 Formula 1 car is coming back for everyone to enjoy, complete with photo-etched metal parts.

www.hobbyco.net



NEW FROM TAMIYA

1:24 McLaren Senna Finished Models

Aimed more at the collectors' market, these are fully built and painted versions of Tamiya's sublime 1:24 Senna kit released last year, in orange and grey.

www.hobbyco.net



COMING SOON FROM EDUARD

Spitfire Story 'The Sweeps'

This is a limited edition kit of the Spitfire Mk.Vb (X2) in 1:48 and from the box you can build Spitfires flown by pilots of different nationalities who served in the RAF fighting over occupied western Europe.

www.eduard.com

www.creativemodels.co.uk



NEW FROM REVELL

1:76 Churchill AVRE

One of 'Hobart's Funnies' of the 79th Armoured Division is on its way in small scale from Revell

www.revell.de/en



NEW FROM RODEN - Zwillling and Ford V8!

The Heinkel He 111 Z-1 Zwillling was a German special purpose aircraft of the Second World War designed to tow heavy gliders - on its way in 1:144. In 1:35 we have the German-built Ford V8-G81A Special, great for dioramas. www.bachmann.co.uk

NEW FROM MINIART 1:35 StuG III Ausf. G

MiniArt's new 1:35 StuG III Ausf. G very specifically depicts the February 1943 production vehicle as made by Alkett! And it comes with a full interior - tweezers at the ready.

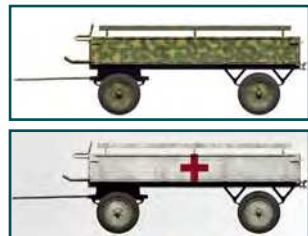
www.creativemodels.co.uk



NEW FROM MINIART 1:35 German Cargo Trailer

This WW2 German-made trailer is bound to find its way into many a diorama...

www.creativemodels.co.uk



NEW FROM PONTOS MODEL 1:700 Scale IJN Yamato 1945

Pontos Model has released their first ever full plastic model and is certainly the most detailed Yamato in 1:700 yet made.

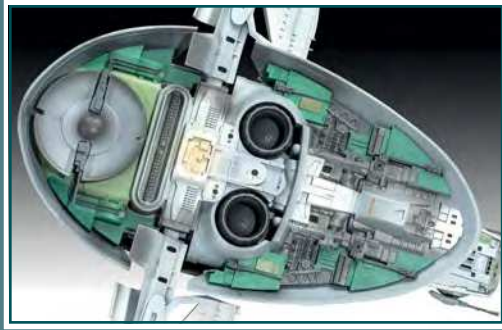
www.pontosmodel.com



NEW FROM REVELL 1:88 Boba Fett's Starship, The Book of Boba Fett

Just on release, 'The Book of Boba Fett' is already generating model kits! More news soon.

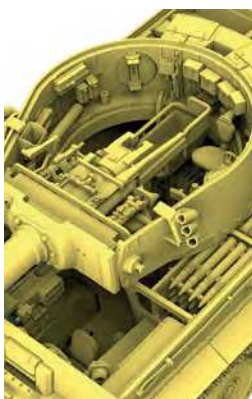
www.revell.de/en



NEW FROM TAKOM 1:35 Tiger I Early Production, Kursk 1943

This new release from Takom comes with a full interior.

www.bachmann.co.uk



NEW FROM ZVEZDA 1:48 Su-25 Frogfoot

This new-tool model is a lovely surprise for the new year, courtesy of Moscow-based Zvezda. www.hobbyco.net



NEW FROM ZVEZDA 1:35 Soviet Artillery Tractor

This iconic Soviet tractor from the Second World War is coming soon as a new-tool release.

www.hobbyco.net

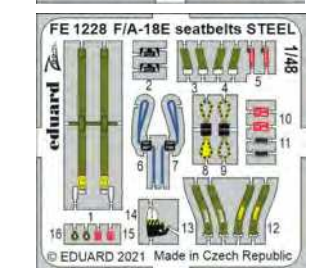
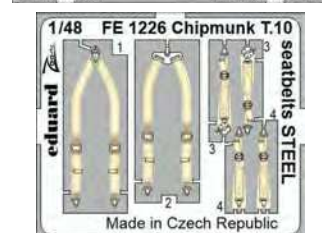
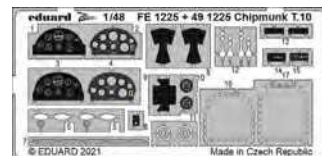
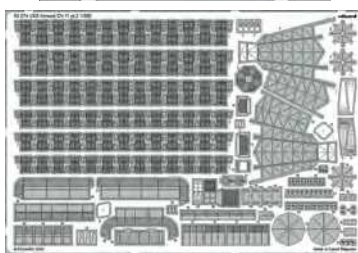
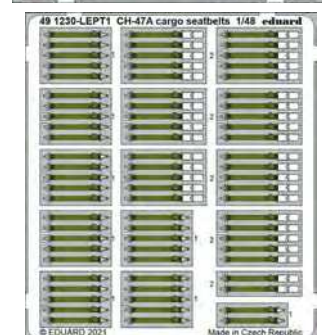


COMING SOON FROM EDUARD

- 1:32 photo-etch AH-1G Cobra Late (ICM)
- 1:350 photo-etch USS Intrepid (Trumpeter)
- 1:48 photo-etch CH-47A cargo seatbelts (Hobbyboss)
- 1:48 photo-etch Chipmunk T.10 (Airfix)
- 1:48 photo-etch Chipmunk T.10 seatbelts (Airfix)
- 1:48 F/A-18E photo-etch seatbelts (Hobbyboss)
- 1:48 photo-etch CH-47A Zoom (Hobbyboss)

www.creativemodels.co.uk

www.eduard.com





SCALE MODELWORLD 2021

After a year away thanks to the global Covid pandemic, Tamiya Model Magazine was back in full force for Scale Modelworld 2021, in Telford, UK!

With the sad but fully understandable decision to cancel last year's show for health-safety reasons, we were clamouring to get back to Telford for this year's event, held in the vast halls of the Telford International Centre. Some manufacturers were unable to attend, but in terms of clubs, competition and a still-healthy support from model and accessory retailers, the show felt busy and very upbeat. We had all missed it!

Scale Modelworld is a massive event that brings in modellers from all over the world although there were fewer international guests this year. Over the next few pages you can see some highlights of both the model show and trade stands that caught our eye. See you there next year, when the show will hopefully be back to 100% strength! ●





“There is a great atmosphere and lots of happy people who are glad to be back at Scale ModelWorld after two years”

John Tapsell, Publicity Officer and Vice President





John Tapsell, Publicity Officer and Vice President





Latest Issue

Billman
Duke of
Buckingham



“The traders are well stocked and the club stands are looking great. We are expecting just on 700 pre-registered entries in the competition so although it’s not as extensive as we’d normally expect, there is still plenty to see and admire”

John Tapsell, Publicity Officer and Vice President





Scale Modelworld 2022
November 12th and 13th, 2022
The International Centre
St Quentin Gate, Telford, Shropshire, TF3 4JH, UK
www.ipmsuk.org/ipms-scale-modelworld/

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HIGH TENS

Lionel Albecker uses decals from 'Blue Stuff' to finish the Tamiya Mustang GT4 in the 2018 'Team Volt' livery

Produced since 1965, the Ford Mustang is the iconic car of the American brand. Almost all the successive models have appeared as competition versions and this includes the 2018 Mustang GT4, so brilliantly reproduced by Tamiya in 1:24 at the beginning of 2020. The

point of this brief article is to present the car with a different livery, one much more becoming, in my opinion, than that offered with the kit.

I used the very attractive decal sheet No.24-017 from the French maker 'Blue Stuff' which allows you to reproduce a GT4 that raced in the IMSA 2018

Championship and in particular during the round on the 'Road America' circuit in Wisconsin. The 'Six hours of Watkins Glen 2018' version is also possible: only a few markings differ.

The car was fitted with Continental rubber and the tyre markings of this manufacturer are included. The rest of



ION



the markings are also present, as well as the perfectly-sized grey panels whose colour corresponds faithfully to the photos of the real car that can be found on the internet. For assembly, I strictly followed the kit instructions. For the general body paint, I used Fluorescent Yellow (GC-122) from Gravity Colors

(www.gravity-colors.com). After application of two coats of Tamiya white primer left to dry for twenty-four hours, Fluorescent Yellow was applied with an airbrush in three successive thin coats, each spaced by one hour of drying time.

The matt finish of the paint, if it may surprise at first, will not cause problems

for the application of the decals. The ones from Blue stuff are of excellent quality. They lift very easily from their backing sheet and remain very flexible during application. Micro-Sol and a hairdryer will help when applying the large grey areas so they conform to the shapes of the bonnet and the roof. ▶



FULL-BUILD: MODEL MOTORSPORT

TAMIYA 1:24 FORD MUSTANG GT4 ● KIT NO.24354



The decorative elements specific to this assembly: the Gravity Colors Fluorescent Yellow paint and the Blue-Stuff sheet



The chassis was painted following the instructions in the Tamiya instructions



The bodywork finished after application of Zero Paints two-component polyurethane varnish

After just two hours, all markings were on, so I could then take care of the bonnet's grille. Once painted in X-18 Semi-Gloss Black black and thoroughly dried, I applied Tamiya carbon-fibre decal using Micro-Sol softener and a hairdryer. The principle is to apply the flat piece without worrying about the louvre elements. Once dry, you can score with an X-Acto blade along the upper edge of the blades before reapplying Micro-Sol and thus open the spaces between each element. It's not very difficult, as long as you let the flat area dry well before slitting with the X-Acto. After the grilles had been installed from the inside in the bonnet, I let the body dry

for a good week. I then sprayed on Zero Paints two-part polyurethane varnish.

This must be applied in two or even three layers, first being a 'dust coat' which serves as a bonding layer, then a second in the quarter of an hour which follows and finally two hours later the last coat, loading a little more varnish on the model to have a 'tight' finish. You have to experiment to get the most out of this varnish, which despite being a little trickier to use than a simple acrylic varnish provides a far better end result. If you want to build a GT4 with more visual appeal than the plainer colour scheme of the Tamiya kit, I recommend this Blue Stuff sheet without reservation! ●

TECHSPEC...

TAMIYA 1:24 FORD MUSTANG GT4 KIT NO.24354

Materials:

Injection-moulded polystyrene, synthetic rubber tyres, window masks, polycaps, waterslide decals

Paints used:

- Gravity Colors: Fluorescent Yellow (GC-122)
- Zero Paints: Diamond Finish varnish 2 Pack GLOSS Clear-coat System 2K urethane (ZP-3035)

Accessories used:

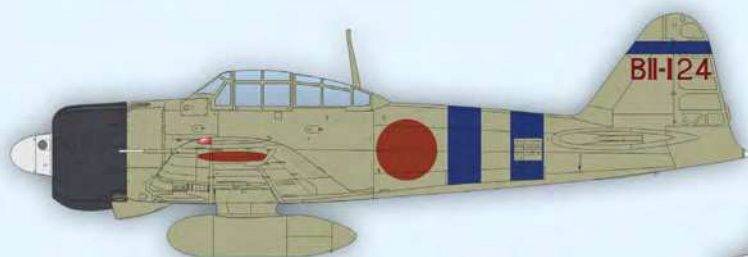
- Blue Stuff: Ford Mustang GT4 VOLT Road America 2018 decal sheet (24-017)
- Tamiya: Cross-weave carbon-fibre decal/extra fine (12682)

Availability:

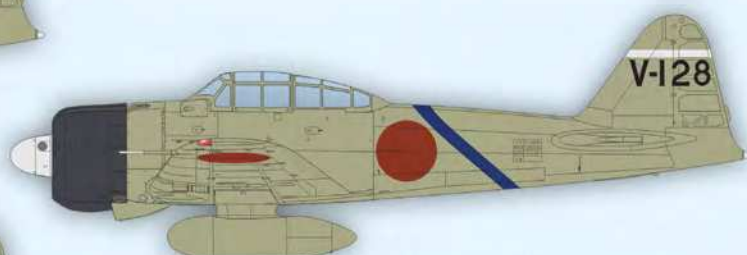
- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- Zero Paints, Blue Stuff: www.hiroboy.com
- Gravity Colors: www.gravity-colors.com



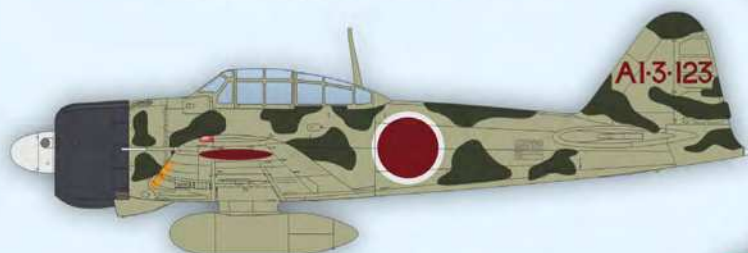
A6M2 Zero Type 21 eduard



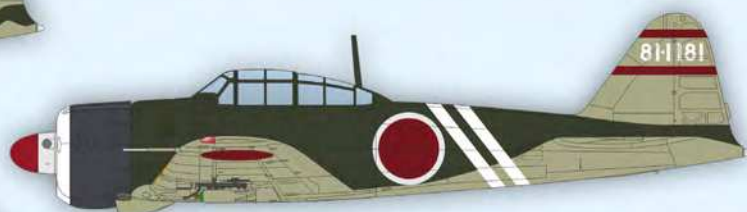
c/n 5379, P01c Tsuguo Matsuyama, Hiryū Fighter Squadron, aircraft carrier Hiryū, December 7, 1941



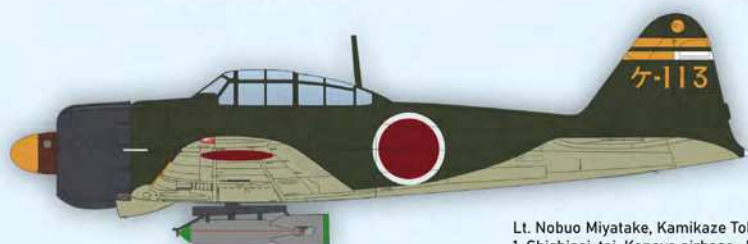
P01c Saburō Sakai, Tainan Kōkūtai, Lakunai airfield, Rabaul, New Britain island, August 1942



P02c Kōtarō Koyae, Zuihō Fighter Squadron, Rabaul, New Britain island, April 1943



Lt. Kunio Kanzaki, CO of Hikōtai 311 of Kōkūtai 381, Kendari airfield, Celebes island, May 1944



Lt. Nobuo Miyatake, Kamikaze Tokubetsu Kōgekitai, 1. Shichisei-tai, Kanoya airbase, Japan, April 1944



HEAVEN CENT!

Tamiya welcomes the British Centurion Mk.III to the 1:16 RC tank 'Full Option' series!

Towards the end of World War II, the Centurion was developed for the British Army as a vehicle that could compete with powerful German tanks such as the Tiger and Panther. The tank was equipped with a 17-pound gun, which boasted the best British anti-tank capability at that time, along with sloped armour and Horstmann suspension. Although it wasn't ready in time for combat World War II, it

did play a significant role in the Korean War that broke out in June 1950. The improved Centurion Mk.III that was dispatched to this war saw its main armament upgraded with a 20-pound gun giving it greatly enhanced the attack power. Following this war, many versions of the Centurion were developed and deployed by countries such as India and Israel, as well as European nations. It was at the forefront for many years in conflict zones, further

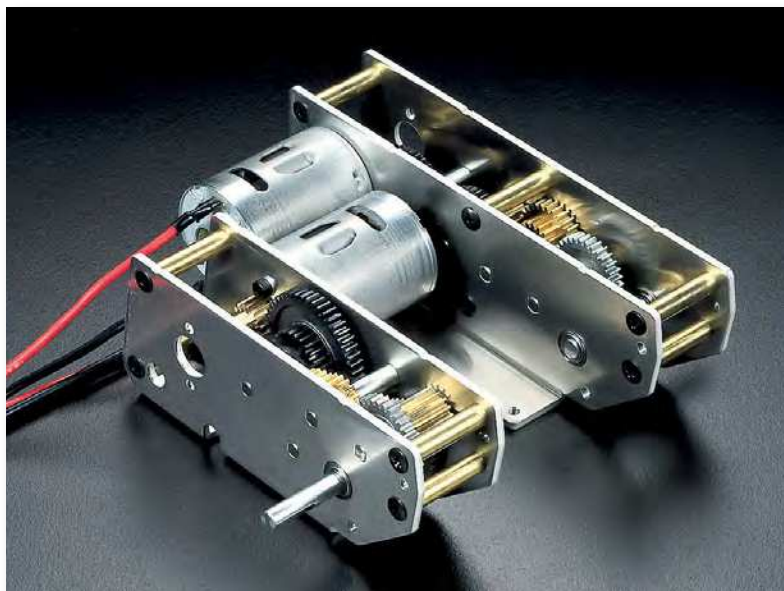
solidifying its position as a 'masterpiece' of tank design.

Tamiya's kit comes with a control unit that uses four channels to control forward/back movement, sharp and pivot turning at any speed. Gun elevation, recoil and turret rotation can also be controlled from the transmitter. Engine sounds are synchronized with model's speed, while main gun and machine gun firing are realistically accompanied by lights and sound via the DMD Multi

Function Unit. Comes with X2 Type 380 motors, X1 type 130 motor plus X2 TSU-03 servos. A four channel RC system, batteries, charger, paints and glues available separately. ●

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





TECHSPEC...

- Length: 603mm, width: 214mm, height: 187mm
- Single-pin type resin tracks come pre-assembled
- Functioning gun elevation, recoil and turret rotation
- 20-pounder gun barrel is made of high-precision aluminium
- Realistic depictions of cast surface patterns and weld lines
- Control Unit uses four channels to control forward/back movement, sharp and pivot turning at any speed
- The sound of the 650bhp, V-12 engine realistically reproduced
- Engine sounds are synchronized with model speed, while main gun and machine gun firing are realistically accompanied by lights and sound
- Requires a four-channel transmitter equipped with function buttons
- The RC mechanism uses a 2.4GHz radio set that can be easily enjoyed by multiple units without worrying about interference
- A large bass reflex type speaker unit that uses a metal baffle plate is mounted on the front of the vehicle body

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FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR
TAMIYA 1:48 SOVIET MEDIUM TANK T-34/85 ● KIT NO.32599



Берлинская стратегическая наступательная операция

The 'Berlin Strategic Offensive Operation' was the Soviet mission to capture Berlin in the spring of 1945. **Christophe Brilleman** presents Tamiya's brilliant 1:48 T-34/85 in a street fighting scene from that momentous and history-changing battle



FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:48 SOVIET MEDIUM TANK T-34/85 ● KIT NO.32599

Entering service in 1940 with the Red Army, the T-34 medium tank was characterized by a remarkable balance between the three major factors that define the quality of an armoured vehicle: firepower, protection and mobility. Descended from the BT fast tanks designed by Mikhail Ilyich Koshkin team in Kharkov, the T-34 introduced many technological innovations, such as the use of an aluminium alloy diesel engine (38.8 litre V12), wide tracks and slanted armour. The T-34 was undoubtedly one of the assets of the Soviet Union in the face of the German invasion. Shaken by this painful meeting, the Wehrmacht had to quickly develop and produce the Tiger I and Panther. Like its American equivalent, the Sherman

M4, the T-34 had a certain capacity for evolution and above all an ease of construction which made it available in very large numbers, which ensured it an exceptional longevity: twenty-seven countries were still using it up to 1996.

THE '85

Tamiya recently offered the 1:48 kit of the T-34/85 which entered service at the end of the conflict. It was a better armed version than the T-34/76 which struggled against the Tiger I and Panther. Firepower was improved with an 85mm gun housed in a larger turret with reinforced armour. No fewer than 25,000 T-34/85s were produced from January 1944 to 1946.

Of the two markings included, I chose that of a machine belonging to the 3rd Army of the Guard

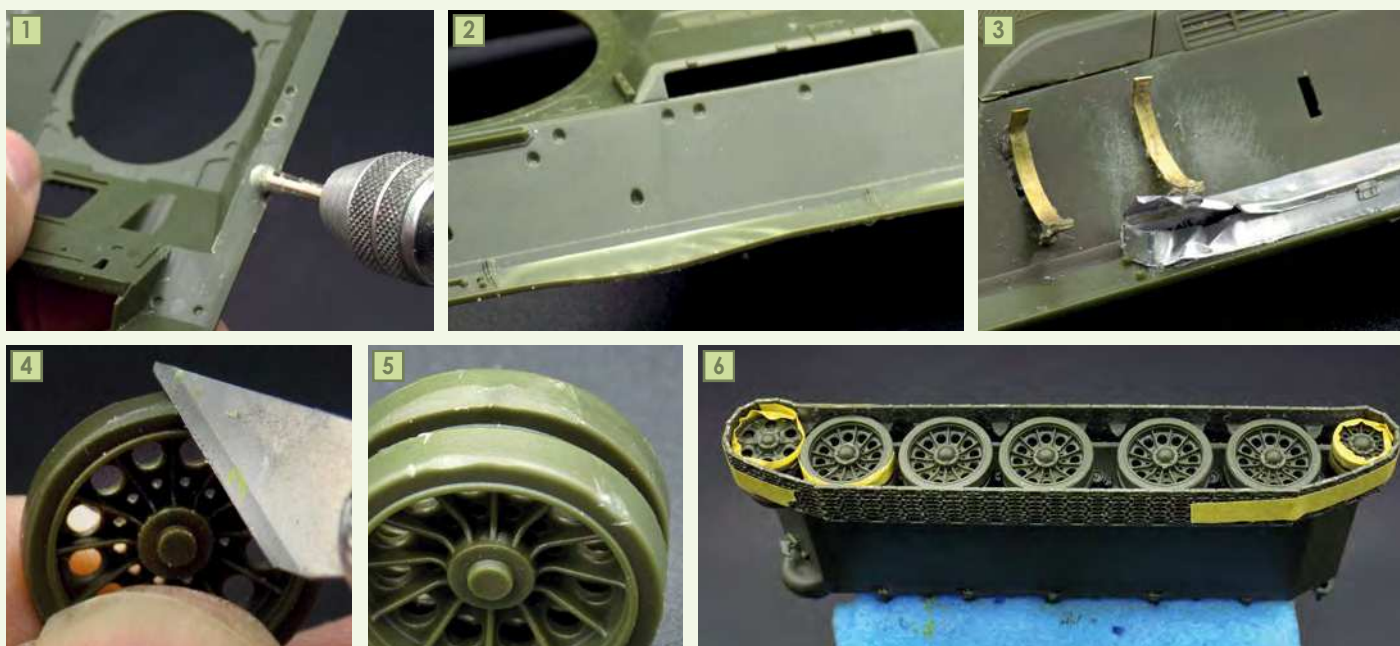
during the Battle of Berlin, 1945. This unit bypassed the German capital from the south, taking in particular the premises of the OKH (General Staff of the German Land Army) in Zossen on April 21st, 1945. In fact, Berlin would not be the terminus for the 3rd Army which would then rush to Prague, taken on May 9th, 1945, the day of the surrender of the German armed forces.

DENTED

The lower hull is made up from four panels and presents no difficulty in assembly, especially as a central partition easily allows the sides to be squared. Before going any further, I looked at my documentation a bit more. Photos of Soviet armoured vehicles during the Battle of Berlin very

often show vehicles having suffered significant damage to unprotected parts (mudguards, external tanks, handles, etc.). Anxious to stick to reality, I set out to refine the mudguards in order to distort them. This operation was carried out with a round burr mounted in a mini drill (photo 1). Once the desired thinness was obtained, I softened the piece with liquid cement and I deformed it to achieve the desired effect (photo 2).

Sometimes you have to start over several times, without forcing the plastic, otherwise you risk the part breaking. While I had the top of the hull in hand, I created a fuel-tank holder from photo-etched scraps. One of the side chests was also replaced with a personal creation cut from a food-grade aluminium tray, the dimensions taken

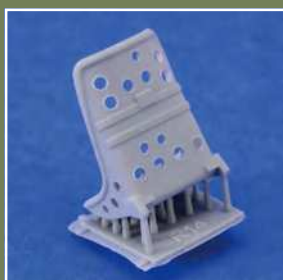


Mini Review...



EDUARD BRASSIN A6M2 SEAT (648698) FOR EDUARD
www.creativemodels.co.uk
www.eduard.com

Eduard's magnificent new 1:48 A6M2 Zero kit is featured this issue and as you can see from those pages, the company has already launched an accessory line for it. In the 'Brassin' resin line we have a replacement pilot's seat made using 3D print technology. The standard kit part is more than adequate but this upgrade item brings an extra air of refinement and is supplied with a set of PE harnesses too.





from the kit part. After shaping, the new trunk was glued in place of the original one. Then, I gently twisted it with tweezers to give it the bashed-up look I wanted (**photo 3**). The side tanks were filed and then sanded to also give them a dented appearance. After assembling the top and bottom parts of the hull, there is a void above the tracks, so I filled it with strips of styrene.

I continued with the assembly through the running. The rubber tyres on the rollers were 'damaged' with a scalpel (**photo 4**) to represent wear and tear (**photo 5**). The ejection-pin marks present on the track

pads had to be removed. The suspension arms moulded to the hull allow perfect alignment of the wheels. I then assembled the tracks in two sections which were held in place with masking tape, so as to ensure the correct shape while the glue dried (**photo 6**).

The turret is made up of several parts, with the roof squaring-up the whole thing. I made an optical plug of the base using plastic card in order to avoid any show-through from the tank commander's hatch. I also replaced the kit barrel with a turned aluminium item. Not being the same length, it was necessary to mill out of the part supporting

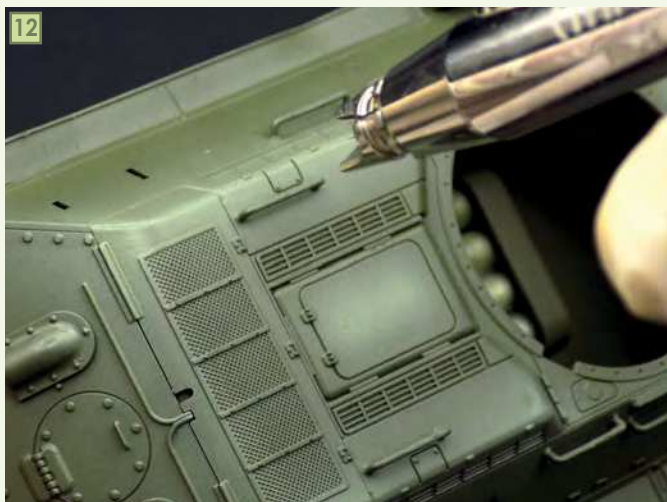
the barrel to insert the aluminium part (**photo 7**). Once in place, it was securely glued for strength. The rear corners of the turret were textured with a little putty to hide the join-line between the parts (**photo 8**).

PAINTING

I undercoated the entire model with a green acrylic polyurethane base. This step has, in my eyes, two virtues. It not only allows you to reveal any assembly faults (glue, putty, oversights, etc.) but also to harmonise the different materials of the kit (plastic, putty, metal, etc.) with each other. The roadwheels, idlers and

sprockets were painted in 4BO Green for their metal parts, highlights then made by adding Bronzed Flesh to 4BO to bring a little relief. Finally, after drying, a dark green colour-wash brings a little more depth to the final shade. The rubber tyres on the roadwheels were painted charcoal grey, then drybrushed twice with lighter greys.

Finally, an oil paint colour-wash of black was applied to the tyres to harmonize the ensemble (**photo 9**). The tracks were coated with AK Interactive 'Chipping Effect', followed by a black oil paint colour-wash and then a light burnt sienna 'wash'. Finally, I ▶



used an artist's stump impregnated with powdered graphite on all parts of the tracks subject to friction: internal faces in contact with the wheels, guide teeth and external faces in contact with the ground (photo 10). The idlers and sprockets were also treated in this way (photo 11).

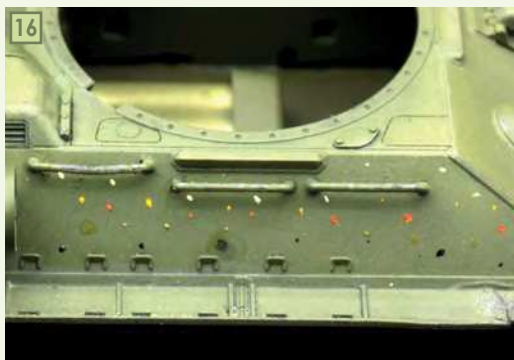
The painting of the hull and turret began with the application of a coat of Green 4BO, then highlights were created by gradually adding 'Tanned Flesh' colour to the base green. I made the highlights gradually by spraying my mixture in a ratio of 60% thinner to 40% paint. I set the pressure to 0.8 bar and use a 0.15 nozzle on my airbrush. This way I can work at short distances and on smaller and smaller areas as the shade brightens (photo 12). Once this phase is completed and after twenty-four hours of drying, a green 'filter' blended the colours (photo 13).

DECALS AND WEATHERING

The decals were applied to the turret between two coats of gloss varnish before spraying matt varnish which eliminates any shininess of the film (photo 14). It was then possible to begin to represent the wear on the surfaces. I used different shades of grey, Chipping Effect and basic green with the addition of yellow that I just applied either with a fine brush or using a small piece of foam on the places where the passage of the crew and infantrymen wear out the paint (photo 15).

The next step was to apply droplets of oil paint of different shades (photo 16) which I pull down with a brush, lightly moistened with thinner (photo 17). This method brings chromatic variation to the base colour and creates the first effects of patina. After drying, I varnished the whole thing before applying Sepia oil paint colour-wash into all the hollows.

To represent dust and dirt, I start by spraying layers of very diluted XF-57 Buff, more over the lower parts. After drying, I added localised dust effects by applying the same shade, diluted with deionised water but using a brush: a dilution of XF-57 with deionised



water creates a particularly realistic dusty effect after drying at this scale.

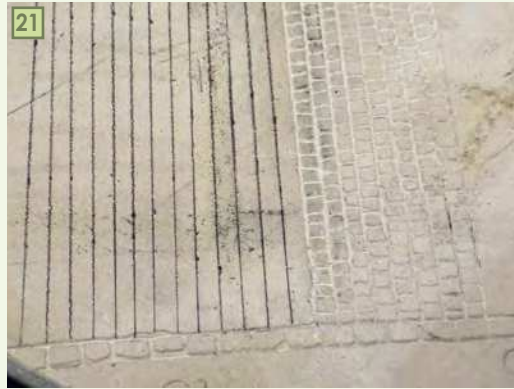
Other more pronounced effects have been added using Dust Effect, Africa Dust Effect and oil tones applied gradually. Finally, I worked on the effects of drips and smears using watercolour pencils (photo 18). It then remained to represent the traces of fuel spills and various metal shards in the areas where the crew might walk (photo 19). Finally, I attached the running gear to the hull and inserted the turret into its housing. The commander was painted with acrylics and then glued in place (photo 20).

IN BERLIN

To represent a street in the capital of the Reich, I poured plaster of Paris in a mould of my own making to obtain a flat plate, 5mm thick. Once dry, it was glued to a sheet of extruded polystyrene. The cobblestones and the other elements of the ground were engraved with a dry point, a ruler and plenty of patience! (Photo 21). I started painting with a generous coat of diluted Medium Sea Grey, airbrushed. Some paving stones were brushed with diluted Dark Sea Grey to vary the shades.

The roadway was drybrushed with Medium Grey, gradually lightened with matt white. A diluted Neutral Grey 'wash' was then applied to the entire surface. After a few minutes, it was pushed back into the hollows with a brush lightly moistened with thinner. Finally, a random brushing, with titanium white and parchment oil shades, completed the effect (photo 22). This last phase brings nuances and a very light sheen to the cobblestones.

During drying, I prepared and patinated the column and bollards, then placing them on the diorama. Urban fights are always high intensity and all photos from the Battle of Berlin show a large amount of ruins, so I created a pile of debris in one of the corners to represent it. Shaped and painted insulating foam would provide the necessary volume (photo 23). On top of that, I stuck together plaster debris, miniature



FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:48 SOVIET MEDIUM TANK T-34/85 ● KIT NO.32599

bricks, photo-etched offcuts, pieces of styrene profile and strips of balsa, then bound everything with a mixture of sand for birdcages and diluted wood glue (photo 24). I also add pieces of fine plaster to which miniature wallpaper had been glued.

Then the whole thing was painted grey and I then began to work on the colours with successive washes and drybrushing. Finally, certain elements were finished with a brush to differentiate the materials (photo 25). Debris and items such as an ammunition crate, helmet, weaponry, cartridge cases were added (photo 26) and then I dusted heavily – but randomly – the entire groundwork. Finally, I fixed the tank to the diorama and linked it to its environment by retouching the weathering in certain places (photo 27).

I really enjoyed making this diorama. The Tamiya kit is very pleasant to assemble and will allow all model makers, whatever their level of experience, to furnish their display case with a very attractive 1:48 replica of the famous T-34/85. ●



TECHSPEC...

TAMIYA 1:48 SOVIET MEDIUM TANK T-34/85
KIT NO.32599

Materials:

Injection-moulded polystyrene, polycaps,
waterslide decals

Paints used:

- Tamiya Acrylics: XF-54 Dark Sea Grey, XF-83 Medium Sea Grey, XF-20 Medium Gray, XF-2 Flat White, XF-57 Buff, XF-52 Flat Earth
- Vallejo Acrylics: 71.017 Russian Green 4B0, 71.052 Anthracite Grey, 71.051 Neutral Grey, 76.512 Dark Green Wash
- Lifecolor: CS13 Flesh Paint Set
- AK Interactive Enamels: Fresh Oil, Fuel Stains, Wash Neutral Grey, Dust Effects, Africa Dust Effects
- Sennelier and Lefranc oil paints: Ivory Black, Naples Yellow, Pale Ocher, Ru Ocher, Flesh Ocher, Sepia, Burnt Ombre, Burnt Sienna, Parchment
- Prince August Acrylics: Polyurethane PP110 Olive Drab, 845 Bronzed Flesh, 953 Matt Yellow

Accessories used:

- RB Model: gun barrel (48B12)
- Blackdog: Poster pillar (48062)
- Tamiya: Road signs (32509)

Availability:

- Tamiya models, accessories, paints and materials: widely available from good model shops and online. UK import and distribution by The Hobby Company Limited, www.hobbyco.net
- RB Model: www.rbmodel.com
- Blackdog: www.blackdog-model.com
- Vallejo Acrylics: www.creativemodels.co.uk
- Lifecolor: www.airbrushes.com
- AK Interactive Enamels: www.ak-interactive.com



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With the coded order "**Climb Mount Niitaka**" the Japanese attack on United States Navy battleships moored at Pearl Harbor, Hawaii, began. The rest, as they say, is history. The year 2021 marked the eightieth anniversary of this event and to

commemorate it, **Eduard** have created an all new 1:48 kit of the Mitsubishi A6M2 Zero Type 21, one of the key Japanese fighters on December 7th, 1941

マウントニイタカを登る!

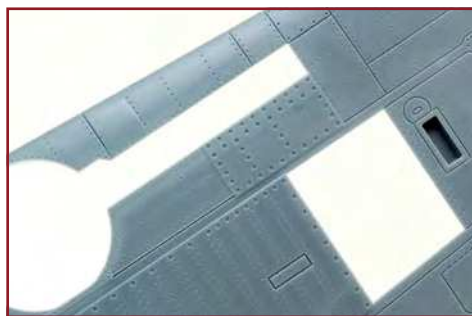
Eduard's 1:48 A6M2 Type 21 Zero is a 100% new kit for 2021 and it represents the first in a whole family of Zero kits, which is great news indeed. This 'Tora Tora Tora' release is a special, limited edition that commemorates the eightieth anniversary of the December 7th 1941 attack on the US Navy fleet at Pearl Harbor. As well as a limited edition, it is also a 'Dual Combo' production which means you get two whole kits in the box, with markings to depict a brace of Zeros picked from no less than twelve markings-options. The instructions booklet is a superb publication in its own right, with a four-page section on

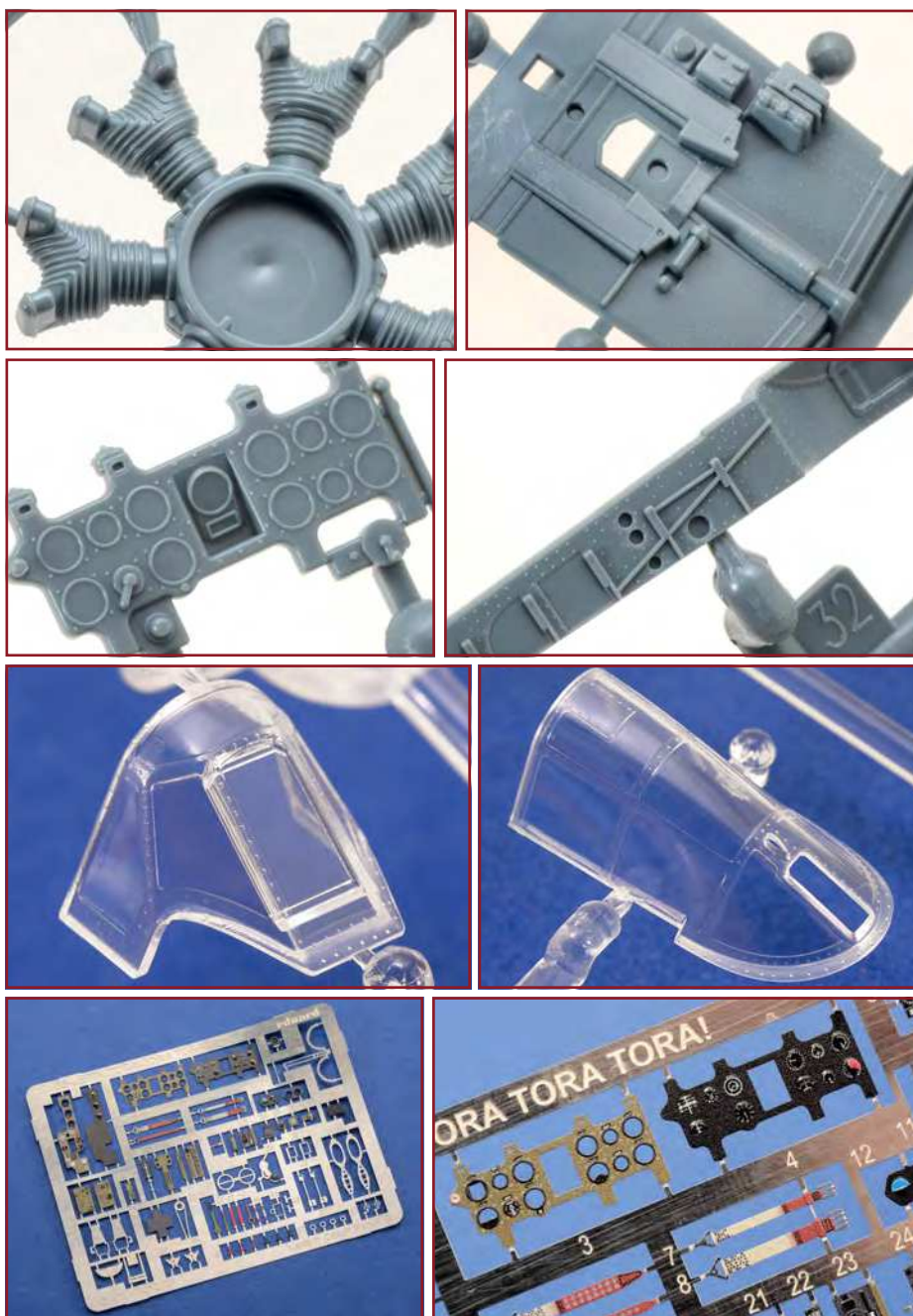
the history of the attack, plus extended backstories for each set of markings: some serious research has gone into this.

The actual assembly instructions are drawn in Eduard's familiar, clear style although the illustrations and their captions/parts numbers could be a little larger on the page, which would certainly help this reviewer's ageing eyes. But for most modellers they will be easy to follow, and you need to follow them closely, because there are quite a lot of parts to this model, most of which are in the cockpit area. As the old modelling adage goes, read through, absorb and understand the instructions as thoroughly as you can,

it will really help you later. Eduard provide an extremely well-moulded radial engine in just six parts, which will come as a relief for many, although it's almost guaranteed there will be a Brassin engine with photo-etched and 3D-printed details in the near future if you want to take things further. But for a cowl-on build (and the Zero's engine was tightly cowed) the excellent, kit-supplied powerplant is beyond adequate.

The crucial airframe detail – which hopefully you'll be able to see in the accompanying photographs – comprises rows of tiny recessed 'holes' to depict rivets plus engraved panel





line boundaries and the overall effect looks great. All control surfaces are formed individually, allowing for some 'droop' where appropriate. As with the engine, the standard cockpit provided in the box is an astonishingly complete sub-section and needs nothing adding at all: in this release, Eduard provide seat harness plus other goodies. Of course, you can always add more should you wish, but you really don't need to.



Eduard's new Zero looks like a real triumph from and in-box inspection. The proof of the model is in the building, of course, and we will be bringing you a detailed, full-blown article soon, in Tamiya Model Magazine. MN ●

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

Eduard accessories for the new Zero

As you'd expect, Eduard have already created a collection of detail upgrades for this kit. Reserving these for separate purchase keeps the price of the base kit down, which many modellers will appreciate.



Brassin:
A6M2 resin seat
(648698)



Brassin:
A6M2 resin wheels
(648693)



Mask:
A6M2 TFace
(EX821)



Zoom:
A6M2 seatbelts
steel (FE1238)



Space:
A6M2 cockpit
details (3DL48050)



Löök:
A6M2 cockpit
details (644128)



Decals:
A6M2 stencils
(D48098)



FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR
TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER ● KIT NO.35376

HARD-HITTING

PART TWO

Marcus Nicholls concludes Tamiya's all-new 1:35 M18 the painting, weathering and final construction stages of



NG HELLCAT

Hellcat GMC kit with
this fantastic model



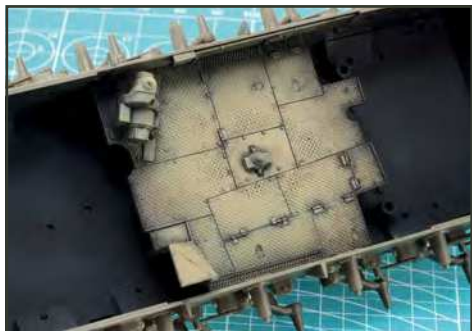
My original intention was to bring you the whole build and painting feature on Tamiya's new 1:35 M18 Hellcat in Issue 314, but as they say, life got in the way and it took me until issue 316 (this one) to actually get the model finished. But, aside from the excellent figure (which fell by the wayside as time ran out) finished the model now is. I will not waste precious page-space with unnecessary waffle, so let's get on with the photos! ●

FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

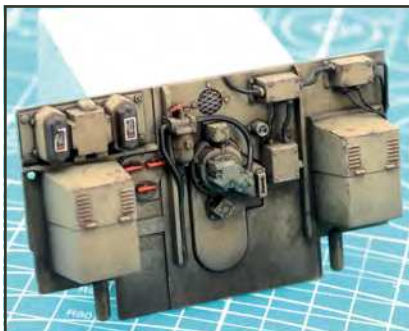
TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER ● KIT NO.35376

PAINTING THE HELLCAT'S HULL INTERIOR AND AMMUNITION

Tamiya's LP73 Khaki was used as the base colour for the interior. It is lighter than standard olive drab and will show detail more easily through the open-topped turret



Here we see the fighting compartment's floor, the paint and a dark colour-wash showing off the non-slip pattern nicely

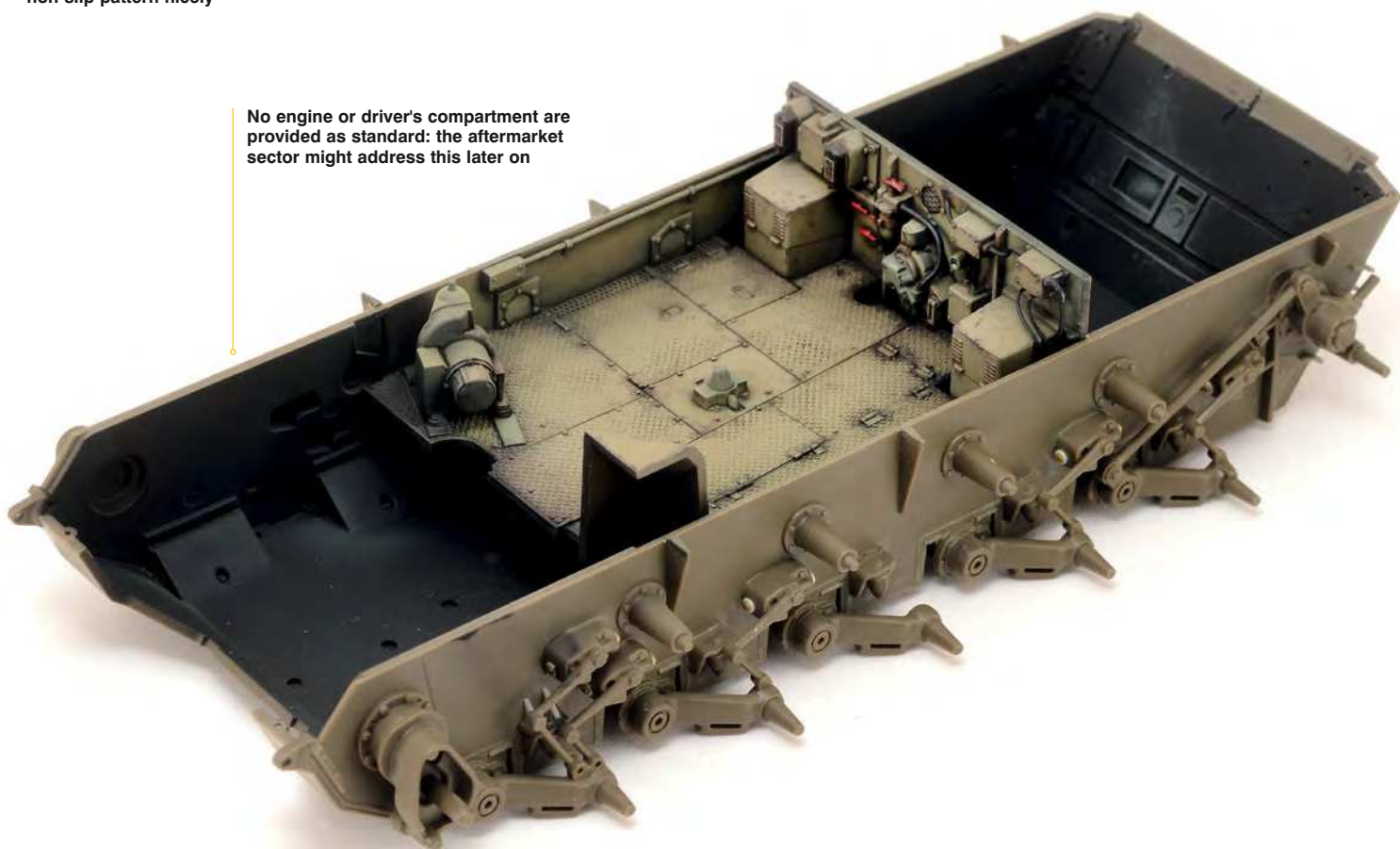


The firewall was fun to paint up and was left unglued to make the process easier

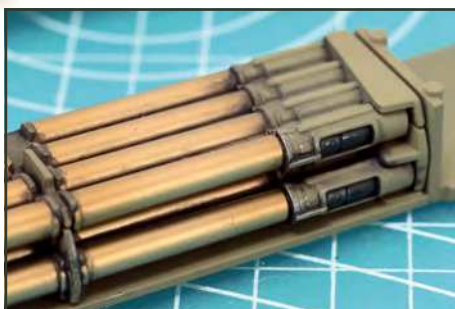


The finished firewall simply drops into place onto a pair of support tubes moulded in the hull floor

No engine or driver's compartment are provided as standard: the aftermarket sector might address this later on



The stacked 76mm ammunition rounds are provided to sit atop the hull overhang panels.



The rounds were airbrushed in a brass colour and the end-caps painted OD and given a colour-wash



Not much can be seen of the ammo in its racks, even with the turret removed! They can just about be seen through the turret when it is in place

PAINTING AND WEATHERING THE HELLCAT'S HULL EXTERIOR AND AMMUNITION



With the interior painted, weathered and the upper hull cemented in place, the turret aperture was masked off in readiness for the main painting stages

The entire hull (and turret) were undercoated with Tamiya LP-65 Rubber Black and then a home-made OD mixture applied



No modulation or other base-colour effects were used here, just good old, plain olive drab. The subsequent weathering will bring this to life



The first step of weathering was an overall application of Humbrol 119 Light Earth diluted with white spirit, which establishes the 'dust wash'. This will be further amplified through the course of weathering



FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER ● KIT NO.35376



The eye-catching '3-2' decals were easy to apply, over a thin layer of Tamiya LP-9 Clear (gloss)



The transmission service plate was left unglued to allow for handling during the weathering stages



Tamiya provides some very neat exhaust detail under an individually-moulded grille, so the area was masked off...



...and a dull pink colour applied to the exhaust boxes and pipes, the tips of which had been previously drilled open. Not much of this can be seen with the grille in place, but it was fun to do!



Mig Productions black pigment was used to create the sooty stains on the inner faces of the grilles where the exhaust tips protrude



The areas around the fuel filler caps were treated to layers of oily grease-coloured paints as well as dust-wash to form a sludgy build-up

PAINTING AND WEATHERING THE HELLCAT'S TURRET



The turret is provided with a basket which carries the gunner's seat plus traverse and elevation controls. This was all painted OD then individual colours touched in by hand



Bearing in mind the muddy feet of the crew, the gunner's little platform was treated to a 'dust wash'



The turret bustle contains the radio set and associated items. It was painted in a slightly different shade of OD to differentiate it from the surround turret structures



The 76mm main gun was given a heavier than average colour-wash of thinned, dark-coloured oil paints, to suggest its heavy use and constant wipe-downs by the crew

FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER ● KIT NO.35376

The equipment fitted to the turret's inner walls is tricky to paint in situ, but probably even trickier to glue in place if painted separately...



The '3-2' decals on the turret stowage bins are exactly the right size and need precise placement

With the outer 'shell' of the turret complete, it can receive the main gun and then be cemented to the basket

MATERIALS USED



This model is plastered with a pinkish 'dust wash' (it is everywhere!), which was formed with a mixture of two pigments (50/50) plus Humbrol's versatile 119 Light Earth enamel colour. This was thinned to various degrees with white spirit

The tools need to be strapped to the vehicle but it's tricky to do this with moulded plastic, so there are usually left off. Not a problem, simply use Tamiya's brilliant 1mm masking tape to create straps: cut a length, place it on the tools, trim to length then paint!



Little Lenses 2.5mm clear resin lenses were used in place of the kit's clear headlights for a more convincing effect





FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER ● KIT NO.35376

TECHSPEC...

TAMIYA 1:35 M18 HELLCAT US TANK DESTROYER NO.35376

Materials:

Injection-moulded polystyrene, polycaps, woven cord, waterslide decals

Paints used:

- Tamiya Lacquer Paints: LP-21 Italian Red, LP-73 Khaki, LP-8 Pure Yellow, LP-65 Rubber Black
- Humbrol Enamels: Matt 119 Light Earth
- Vallejo Acrylics: various shades

Accessories used:

- Little Lenses: 25mm clear lenses
- Tamiya Masking Tape: 1mm
- Mr Hobby: Weathering Pastels Sand
- Wilder: European Mud pigment powder

References:

- Squadron Signal Walk Around M18 Hellcat Tank Destroyer (David Doyle)
- Allied-Axis Issue 4
- Sabot Publications: M18 Hellcat World War II Gun Motor Carriage
- CD#13 Toadman's M18 Gun Motor Carriage and M39 Armored Utility Vehicle Photo Detail Download 2005: www.toadmanstankpictures.com

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
- Little Lenses: www.modellingtools.co.uk



Thanks

My thanks go to Chris Toadman Hughes for hundreds of reference images and Chris Mrosko for providing the excellent Sabot Productions book on the M18 in PDF form.

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MODELLING BY BUS, AROUND THE WORLD!

Rafał Lebioda takes inspiration from a well known Polish adventurers' bus and adds a scale modelling twist...

When building models I look to my inspirations. These are related to my interests, situations I have found or ideas coming from the surrounding environment. This is how it was in this case: I was inspired to build a model of the Volkswagen T3 which was used by the team Busem Przez Świat ('By Bus Around The World'). I must admit that the idea appealed to me right away.

I really like such challenges, especially when they are inspired by a true, great story and, what is more, they are connected to my close interests. Travelling, sightseeing and photography are some of my 'other' hobbies, something I don't need to be encouraged or persuaded to do. The brave 'Bus Around The World' team is well known in Poland and abroad thanks to their unusual and brave challenges which they describe very eloquently in their numerous books. I had a chance to look into those books and learn about the real struggles of the Polish travellers, including the preparation of the famous Bus for the expedition.

This became the object of my next modelling project, which I undertook without hesitation, wanting to build a replica similar to the original. In my intention the bus was not to be identical, but rather heavily inspired by the original. One of the distinctive features of the replica I am building is the modelling accent of the colouring of the bus, which I decided to this project. ▶





◉ REVELL VW T3

To build the replica of the bus I used an old Revell VW T3 kit in 1:25 scale. The kit comes from the mid-eighties and is characterized by the level of execution of the replicas of cars from that period. In a word, a model from that period is bit different to modern kits, which are rich in detail with a multitude of high quality parts. Before building I try to gather documentation to help me. In addition, I found the books of the Busem Przez Świat publishing series useful, as they also show many photos of the vehicle traversing the roads.

I started building the model following the steps in the instructions. I began with a dry-run of the engine, suspension system and chassis. One of the biggest elements of the kit is the floorpan to which other smaller suspension and steering parts are cemented.

The small parts needed a solid clean-up of flash and other imperfections before being glued together. The exhaust system as originally issued is unacceptable. First of all, the exhaust pipe, which even after treatment does not resemble the original. I decided to cut it off and replace it with a brass tube of 3mm diameter. For gluing it I used cyanoacrylate and then applied some putty. After processing it was ready for painting. After assembling all the elements of the undercarriage, I applied black primer from Mr Hobby with an airbrush and at the same time I gave it a little weathering.

WHEELS AND TYRES

In the meantime I put the wheels together. I painted the rims with black primer and then with metal hubs in silver from the Mr Hobby palette. After it had dried, I mounted the rubber tyres, which I previously smoothed with a file to remove small overflows and imperfections. I fixed the tyres on the rims with CA glue. I then weathered them using an oil paint colour-wash in grey. After this had dried slightly, I removed the excess 'wash



One of the biggest elements of the kit is the floorpan to which other smaller suspension and steering parts are cemented.



The small parts needed a solid clean-up of flash and other imperfections before being glued together



After assembling all the elements of the undercarriage, I applied black primer from Mr Hobby with an airbrush and at the same time I gave it a little weathering.



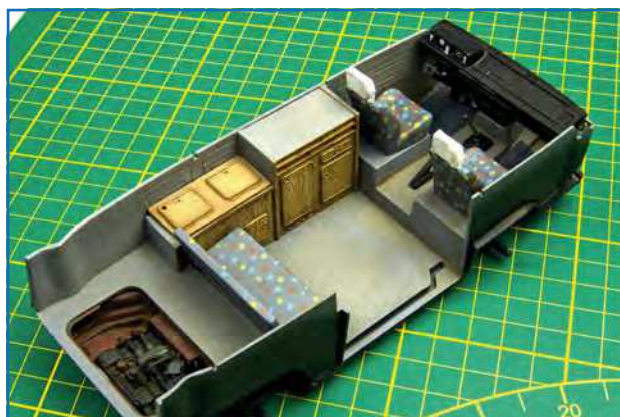
The wheels were painted with black primer and then with Mr Hobby silver for the hubs, weathered with a grey oil paint colour-wash



Dashboard decals are being applied here



The whole interior of the bus was painted in two shades of grey: lighter on the floor and ceiling and darker on the sides, including the upholstery of the doors.



using cotton swabs and left it to dry.

The next stage was the construction of the interior and here, the manufacturer does not provide many parts typical of a camper. I put together what is provided, with slight modification of the equipment (getting rid of one of the elements not correct for this project). I did not improve or up-detail the interior for a simple reason: I was making a closed-up version of the vehicle, concentrating only on modifying the body and paint.

The headrests were painted white and on the seats, I applied coloured dots to imitate the covers I had on my first Volkswagen Polo (1977!) using a paintbrush and three colours from the Vallejo range. I painted the fronts of the built-in cabinets with Tan from the Mr Hobby and then applied a brown oil paint colour-wash to imitate wood. The whole interior of the bus was painted in two shades of grey: lighter on the floor and ceiling and darker on the sides, including the upholstery of the doors.

The body is the largest element of the kit. Eventually the body will be closed up, so I glued the side doors in place and left the rear door off to be painted separately. The bodyshell needs some clean-up too: I used files, sanding pads and sandpaper of different grades for this. Finally, I smoothed the surface with a fine grade of wet and dry paper (2,500 grit) and washed it in warm water with a little detergent.

TIME FOR SOME COLOUR

Once dry, I applied grey aerosol primer from Mr.Hobby. I like these products and, above all, their easy application. After the primer had dried, I checked whether any corrections were needed. After gently sanding with a polishing cloth it was time for the first of the colours, a dark yellow from Mr Hobby, No.58 'Orange Yellow'.

I applied the paint carefully in thin layers. It is important to remember to shake the can well and to

apply it in decisive strokes, not starting from the model but beyond it. Mr Hobby paint is quite thin and you have to be careful not to create streaks. Therefore, applying the paint in several light layers gives a chance for an even application on the model without any runs or sagging.

Before applying the next colour (blue) I masked up the model using stencils according to the scheme I had prepared. I reproduced the characteristic waves as accurately as possible. I made the pattern using a thin 3M elastic tape, then a slightly wider Tamiya tape and a classic painter's tape to protect the remaining surfaces. I used an Olfa circular cutter to cut out a circle for masking and then applied it to the body. After additional masking, I could apply another colour - this time No.59 Orange from Mr Color. I added some yellow to it, increasing the saturation of this rather intense shade. After spraying and drying, I could unmask and enjoy the wonderful colouration of the model! There were some minor corrections left to do and after that I sanded all the surfaces with Mr Hobby polishing cloths to smooth out all the irregularities and faults. After polishing with a soft microfibre cloth, I was able to apply clear gloss varnish. Here, Mr Hobby GX100 series clear-coat proved to be very reliable. I applied it in light layers with an airbrush to obtain a glossy surface.

STRUCTURAL ASSEMBLY

I use CA glue to securely and firmly connect the main parts. Then I glued the roof and the rest of the elements of the body including the grille and the bumpers. The kit did not include the characteristic front air intake located under the grille, so I made one from a piece of polystyrene and imitated the louvres by cutting them with an Olfa cutter. I then painted it black and fixed it in place with CA glue. The headlights and lamps are mounted Revell Contacta cement. 



On the seats, I apply coloured dots to imitate the covers I had on my first Volkswagen Polo from 1977



The window rubbers were hand-painted with Vallejo Acrylics



The rooftop frame was assembled from sheets of plastic card



The engine grilles are being painted with Mr Color Flat Black, with the surrounding areas masked off



The roof was robustly clamped while the glue dried!

❶ The final and quite demanding stages of work on the bus was the application of decals. From the beginning I had followed the colour scheme of the original bus, but I wanted to replace some of the graphics with something in a modelling theme. So, I replaced all the travel banners on the bus with the logos of modelling companies! In order to produce graphics like on the original bus I asked for help from a company that makes decals on commission. After agreeing on the scope of work I received a decal sheet with surfer graphics, palm trees, the 'Busem Przez Świat' emblem plus logos of selected model manufacturers. 'Selected', because it's impossible to include them all here, even with the rather large advertising space available on the roof of the bus!

DECAL LAYOUT TEST

Before applying the decals I drew myself a schematic of how the logos would be arranged to have a consistent layout for the banners. I started cutting out the logos from the decal sheet and laid them out on a test matrix to replicate the banner surfaces on the model. I was confident of how I would ultimately lay them out and so applied them to the target location. As always, when applying the decals I use Mr Hobby's decal liquids.

Laying out decals of this size and quantity required concentration and was quite a challenge. After applying them, the bus took on a completely different character. All that remained was to apply a sealer to protect the decal foil and smooth the final surface. For this I used Mr. Hobby GX100 lacquer with a touch of matt, applied by airbrush. The final stages of the work comprised gluing on the remaining small details, placing the cargo in the boot in the form of a box (prepared earlier) and installing the tailgate.

On the underside of the tailgate I added some traces of use, giving the model a bit of life: using a steel-coloured pencil I



The headlights were secured with Revell's excellent Contacta cement



Preparations begin with the author's custom-printed decal sheet



Mr Hobby setting solutions were used to ensure the decals fully adhered to the model's surface



The model manufacturer logos look rather splendid - it's good to see Tamiya's in prominent positions!



Revell Contacta was used again to hold in the rear light clusters



A large 'wooden' trunk was painted up and placed in the VW's vast interior

applied some imitation scratches. I also put some imitation luggage on the roof prepared beforehand from pieces of styrofoam covered with tissue soaked in PVA glue. I painted all the roof luggage olive green and used sand coloured dry pastels to emphasize the folds and creases of the 'canvas'.

FINAL THOUGHTS

The model was ready and I could start a photo shoot for the final gallery of this feature. Building this model was a unique adventure, although a bit different from the full-sized travellers whose vehicle was the inspiration for this project. ●

TECHSPEC...

REVELL 1:25 VOLKSWAGEN T3 CAMPER
KIT NO.07344

Materials:

Injection-moulded polystyrene, vinyl tyres, waterslide decals

Paints used:

Listed in text

Availability:

Revell models are widely available from good model shops and online. www.revell.de/en



Revell

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NEW TOOL

04967 Lockheed SR-71A Blackbird, 1:48



© Richard Andrews

03852 BAe Hawk T2 (inc. Photoetch), 1:32



NEW TOOL

Parts inc. for in-flight or landed version

06781 Razor Crest™ (The Mandalorian), 1:72



NEW PARTS

Parts-inc. for 1 of 3 possible configurations

06782 Outland TIE Fighter™ (The Mandalorian), 1:65



NEW TOOL

Inc. die-cut stickers & waterslide decals

07822 Fendt F20 Dieselross Tractor (easy-click), 1:24

Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell

New Releases

The latest photo-etched sets, resin parts, figures and accessories to enhance your scale models...

What's in the box?

AD; ACETATE DIALS, **CC**; CAST CERAMIC (PLASTER), **CMA**; CAST METAL ALLOY, **CP**; CHROMED PARTS, **CPS**; CLEAR PLASTIC SHEET, **DT**; DRY TRANSFER (DECALS), **EM**; ELECTRIC MOTOR **EPS**; EXTRUDED ALLOY, **MR**; METAL ROD, **MW**; METAL WIRE, **MT**; METAL TUBING, **NM**; NYLON MESH, **PE**; PHOTO ETCH, **PEBM**; PHOTO-ETCHED BADGES/MIRRORS, **PCM**; PRE-CUT MASKS, **PMP**; PRE-ASSEMBLED METAL PARTS

EDUARD, CZECH REPUBLIC

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

ICM's brilliant new 1:32 Cobra gunship gets the 'BIG ED' treatment, which provides photo-etched cockpit details and canopy masks in one big pack, both convenient and a money saver too.

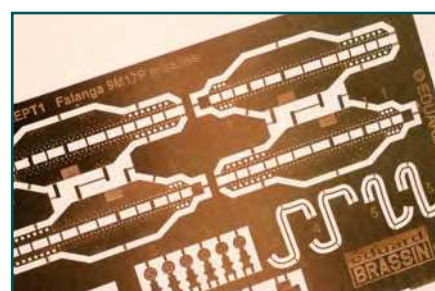
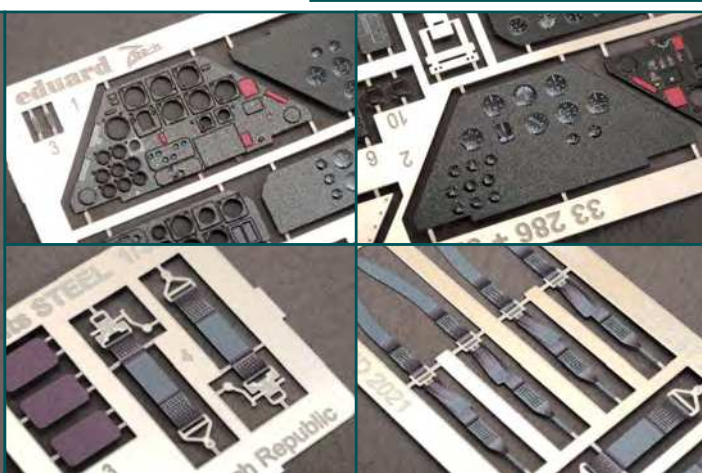
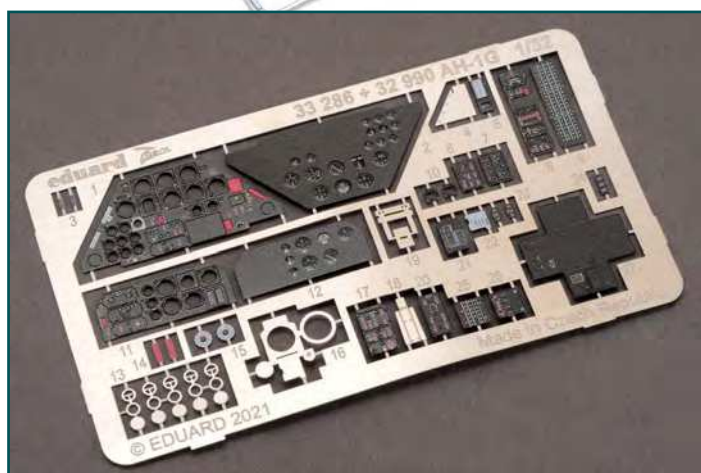
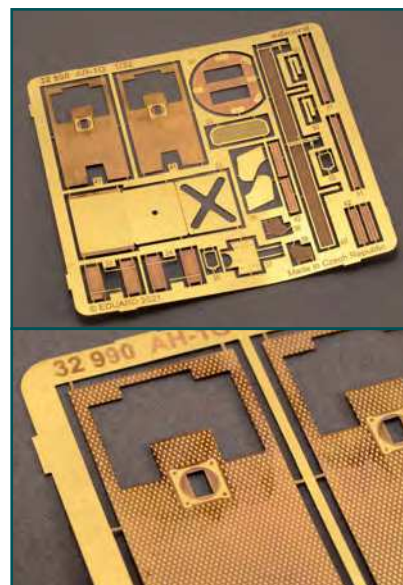
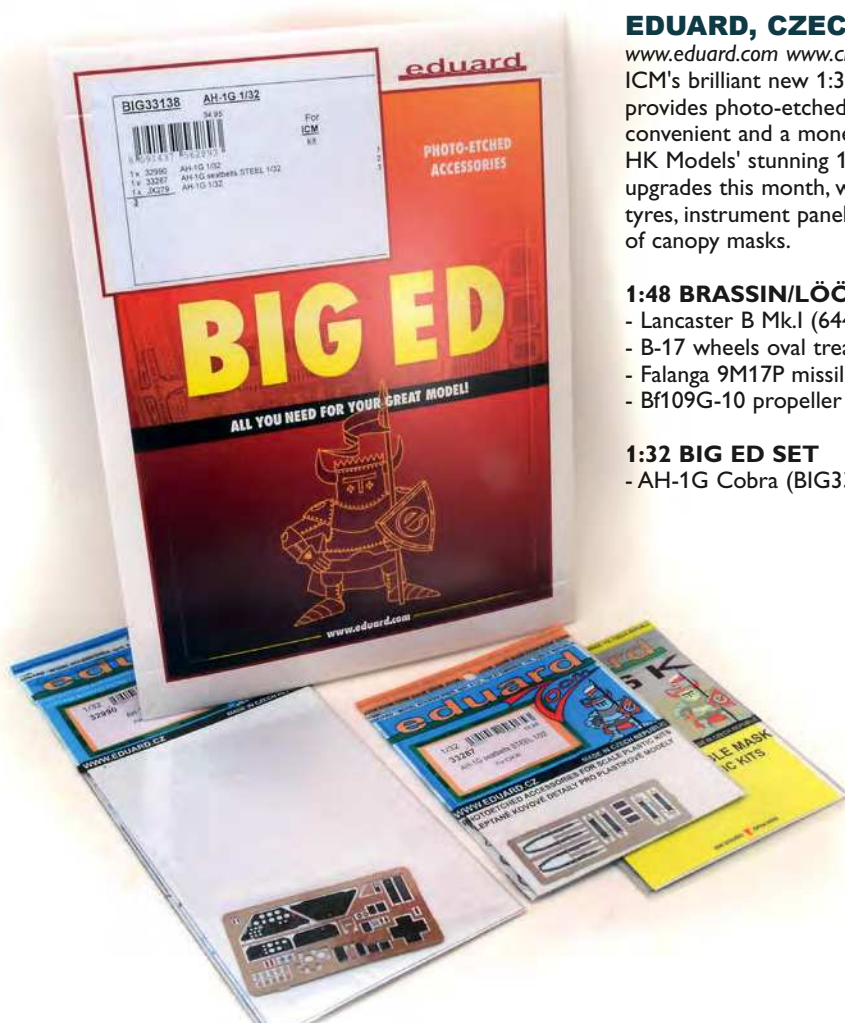
HK Models' stunning 1:48 Lancaster B Mk.I receives a special package of upgrades this month, with a 'Brassin/Löök+' set that provides new resin wheels, tyres, instrument panel, throttles, photo-etched harnesses plus an extensive set of canopy masks.

1:48 BRASSIN/LÖÖK+

- Lancaster B Mk.I (644123) for HK Models
- B-17 wheels oval tread (648644) for HK Models
- Falanga 9M17P missiles (648675) for Zvezda/Eduard
- Bf109G-10 propeller (648672) for Eduard

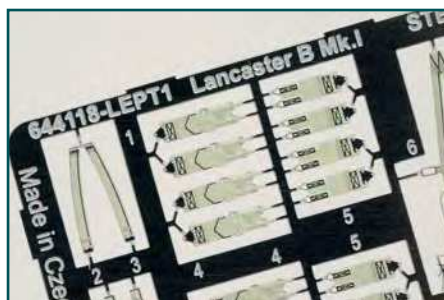
1:32 BIG ED SET

- AH-1G Cobra (BIG33138) for ICM



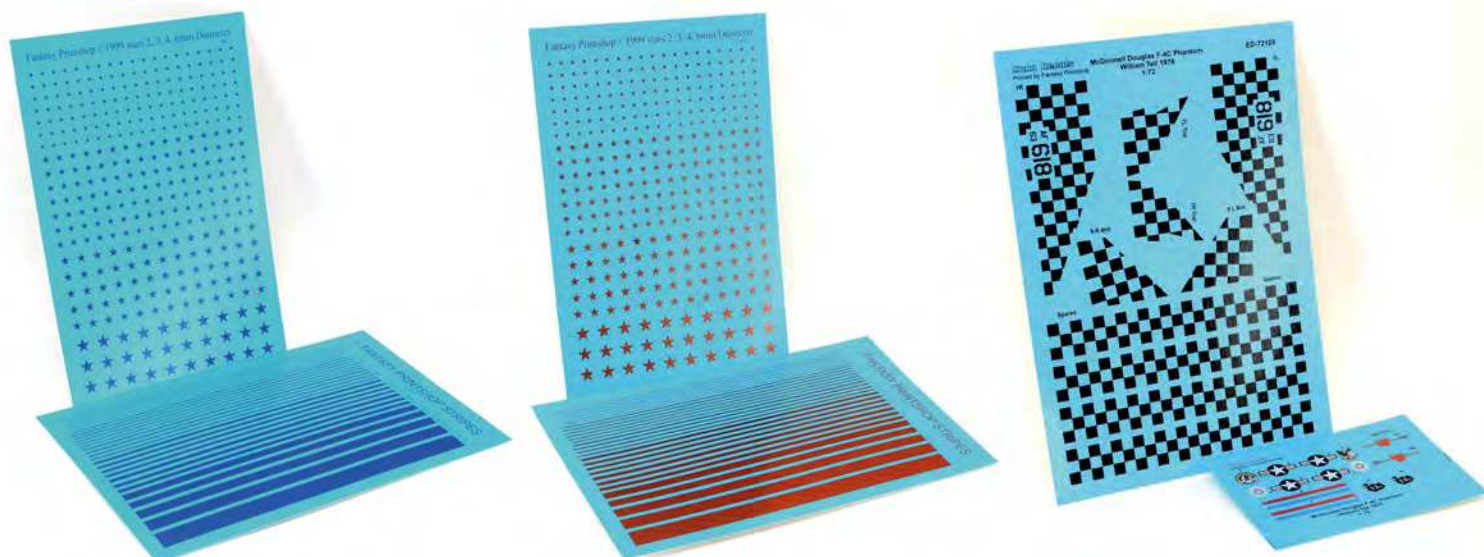
Accessories

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



New Releases

The latest photo-etched sets, resin parts, figures and accessories to enhance your scale models...



EURODECAL, UK

www.fantasyprintshop.co.uk

An attractive, checker-tailed scheme for the F-4C Phantom II in 1:72 is on offer here, in the form of the 57th Fighter Interceptor Squadron, Iceland Air Defence Force, USAF, Keflavik, Iceland, 1976 during Operation William Tell. Also, ranges of stripes and stars in blue and copper will be handy for all types of projects.

1:72 WATERSLIDE DECALS:

- McDonnell Douglas F-4C 'William Tell' 1976

UNIVERSAL WATERSLIDE DECALS:

- Stripes, copper colour 0.25mm, 0.5mm, 0.75mm, 1.5mm, 1.9mm, 3.8mm, 5mm, 6.3mm and 9mm X130mm
- Stripes, blue colour 0.25mm, 0.5mm, 0.75mm, 1.5mm, 1.9mm, 3.8mm, 5mm, 6.3mm and 9mm X130mm
- Stars blue colour 2mm, 3mm, 4mm, 6mm
- Stars copper colour 2mm, 3mm, 4mm, 6mm

ICM, UKRAINE

www.icm.com.ua

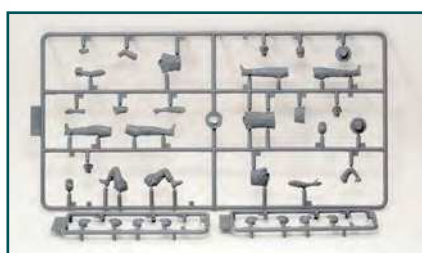
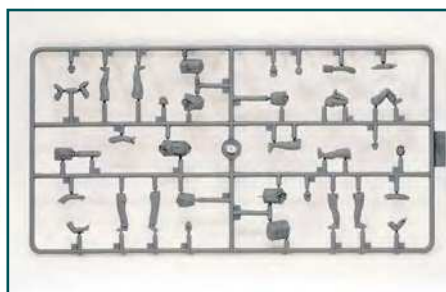
Ideal for placing in proximity to the 1:48 Monogram/Revell or HK Models B-17 Flying Fortress, this set of five figures will add a sense of scale the scene. For similar use with ICM's recent 1:32 AH-1G Cobra, the three-man set is well sculpted and very nicely detailed.

1:48 FIGURE SET

- USAAF Bomber pilots and ground personnel 1944-1945 (48088)

1:32 FIGURE SET

- US Helicopter pilots Vietnam War (32114)



before

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What's in the box?

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ITALERI, ITALY

KOREAN WAR M4A3E8 SHERMAN

www.hobbyco.net

SCALE: 1:35 • MATERIALS: IM, WS • ITEM NO. 6586

The Sherman tank needs no introduction, and the M4A3E8 is a late version which saw extensive service in the last year of WW2 and for long afterwards, in service with many armies around the world. The E8 'Easy Eight' version had much improved suspension with HVSS and wider tracks. Armed with a 76mm gun, it was a potent weapon for two decades. The Italeri kit is released as a 'Korean War' version, but differs little from vehicles in service before or after this conflict. The kit differs in a few details from the 2016 release of Fury from the movie of the same name. The new kit has the later tracks, an improved canvas around the mantlet, and different decals. The fit of parts is good throughout, and particularly impressive are the engine deck grille and the hull weld seams. Less impressive are the moulded marks to show where to fit the tools, and some additional parts which do not share the same high quality. For example, the one-piece tracks have a huge number of mould marks, and some of the stowage lacks realism. Overall, the kit is easy to make and does not have the multitude of parts found in some other kits, but against that it has been made with a lack of finesse in places. This would be a great kit for a modeller looking for a late Sherman that looks the part, without worrying about some of the very fine details. **CLS**

- + Looks the part of a late Easy Eight with T66 tracks
- While some mouldings are superb, other parts are a relative disappointment



AIRFIX, UNITED KINGDOM

JUNKERS JU87B-1 STUKA

www.airfix.com

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO. A03087A

The Ju87, or more commonly referred to as "Stuka" is one of the most famous aircraft that the Luftwaffe had at their disposal during the second world war. Early versions of this aircraft had also seen service before the second world war, in the Spanish civil war. The "Stuka" was one of the first models that Airfix released, back in 1957, and now Airfix have re-tooled and released a brand new, clean, and well-engineered model of the infamous aircraft. This boxing was tooled in 2016 and sees some new decals and marking options for the 2021 release. This model is moulded in the usual soft, grey/blue plastic, featuring deep, recessed panel lines and some rivet details. Two crew figures are included in this kit, a pilot, and a gunner. The versions included in this kit are early war variants. One from Poland 1939 and one from the Balkans in 1940, with both in the RLM 70,71 and 65 paint schemes. The modeller also has a few choices of load-outs for this model, with the choice of bombs and drop tanks to be mounted on the belly and the wings. Airfix, once again have released a little gem with this new tooling of a world famous and loved aircraft. The models we are coming to see from Airfix in this scale are becoming seriously competitive with the other manufacturers on the market in this scale. When it comes to value for money, this one is a real winner! **IJT**

- + Superb details and well-engineered model
- None



ED PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL TRACK LINKS, LC; LIQUID CEMENT, 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



ZVEZDA, RUSSIA

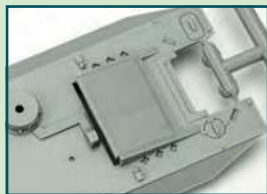
RUSSIAN 152MM SELF-PROPELLED HOWITZER

www.hobbyco.net

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO. 5055

Armour models have always been popular! Armour and Aircraft have without any doubt been the two most dominant categories for modellers. However, small scale armour was for a long time looked down on, for lacking details and being rather "pointless". But not now! Over the past few years, the modelling world has been hit by a storm of amazing manufacturers releasing small scale subjects. Zvezda have really come to light in the past five years or so for being one of the best manufacturers for quality and value. This brand new 1:72 Russian 152mm Self Propelled Howitzer is something special. Featuring moulded details that are so crisp and so precise, they would not look out of place on a 1:35 scale model. This superb model features a single piece gun with a two-part muzzle break, crisply moulded hatches, doors, and handles, and highly details suspension, wheels, and tracks. The tracks are moulded in black and are in a single piece on a sprue. The tracks are to be heated in warm water and then curved around the wheels and sprockets and allowed to cool for a very clever and clean way of assembling the tracks. Protective green is the only colour option available from the box, but there is the choice for either, the 2016 Victory day parade, or the modeller can create their own serial number with the included 1-10 decal sheet. Though building 1:72 scale has been popular for a few modellers for a long time, it is clear that the new standard of this scale will encourage many more modellers to take part in building 1:72 scale armour! **IJT**

-  Superb details, well moulded and looks to be a real superb kit
-  None



ICM, UKRAINE

LAFFLY V15T WWII FRENCH ARTILLERY TOWING VEHICLE

www.icm.com.ua

SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO. 35570

The Laffly V15T was a member of a small family of vehicles produced for the French army immediately before the outbreak of hostilities in WW2. The V15T was produced in small numbers (100 examples from Laffly, another 100 from Corre La Licorne) and was specifically designed to tow the tiny Hotchkiss or APX 25mm SA anti-tank guns. The vehicle had stowage for the ammunition and the crew of 4 or 5 members. The Laffly was a very useful vehicle and 12 were used in the anti-tank squadron of 8 mechanised and cavalry divisions. Indeed, the Germans really appreciated the V15T and there are many photos showing captured vehicles in use with the Wehrmacht. The kit from ICM is completely new, and this is the first time the V15T has been available in plastic in 1:35 scale. The detail is excellent, and looks to be very accurate. The handles on the stowage bins are moulded in place, but can easily be enhanced with careful painting. The chassis comes in one piece, making assembly very easy. The kit has some 'unused' parts for a German captured vehicle, and clearly there will be a release with appropriate decals very soon. Indeed, purists will note that the particular fifth seat arrangement and the raised and extended tow hook are German modifications, found on museum specimens today, but this does not detract from a stunning model of a very unusual vehicle, with strange bumper wheels at the front and middle. Well done ICM for producing such a fabulous venture into 1940 French vehicles. **CLS**

-  First release of a 1:35 Laffly in plastic, and a really great looking little truck
-  The kit provides the higher and extended German tow hook, not correct for a French vehicle



New Releases

A selection of the latest full kits in plastic, resin, metal and more!



AIRFIX, UNITED KINGDOM DE HAVILLAND VAMPIRE F.3

www.airfix.com

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO. A06107

The Vampire was a British jet fighter which was developed and manufactured by the DeHavilland Aircraft Company. It was

the second jet fighter to be operated by the RAF after the Gloster Meteor and the first to be powered by one jet engine. Development of the Vampire began in 1941 and was powered by the Halford H.1 turbojet (later produced as the 'Goblin'). The Vampire remained in front-line RAF service until 1953. (Wikipedia). Airfix's 1:48 F.3 is an all-new model that arrives on four light grey sprues of polystyrene, one in clear plus waterslide decals. Three markings-options are offered: No.601 Squadron Royal Auxiliary Air Force, RAF North Weald, Essex 1952, No.442 'City of Vancouver' Auxiliary Fighter Squadron, RCAF Vancouver, Canada 1949 and the preserved P42408/AE-B at the Norwegian Armed Forces Aircraft Collection at Gardermoen Museum, Oslo, Norway. All three are, naturally, painted in overall silver; the 601 Sqn machine having red/black strips on its tail-booms and the Canadian aircraft with red wingtips and nose with vampire bat nose-art. The fuselage and wings are moulded in upper and lower halves which is the strongest and most logical approach to the design. A nice inclusion are the twin engine-intake ducts (with deeply buried fan-blade detail), plus a seated pilot figure. The cockpit is a little spartan but an Eduard PE set will spruce this up a treat. **TMMI**

+ Iconic early jet fighter. Airframe panel lines are noticeably more refined than those on previous Airfix aircraft kits

- Cockpit a tad minimal



ZVEZDA, RUSSIA

TOR-M2/SA-15 GAUNTLET RUSSIAN ANTI-AIRCRAFT MISSILE SYSTEM

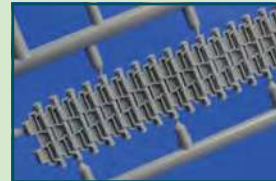
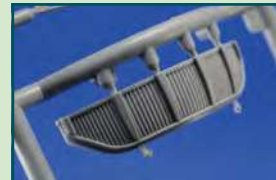
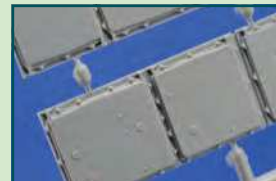
www.hobby.co.net

SCALE: 1:35 • MATERIALS: IM, WS, NM • ITEM NO.3633

The Tor missile system (NATO reporting name 'Gauntlet') is a low to medium altitude, short-range surface-to-air missile system designed to attack aeroplanes, helicopters, cruise missiles, precision guided munitions, unmanned aerial vehicles and short-range ballistic threats. It is powered by a V12 diesel of 830bhp and is equipped with a powerful radar that guides eight, ready-to-fire missiles. Development started in February 1975 and entered service in 1986. It is still deployed to this day (Wikipedia). Zvezda's new 1:35 kit comes in a large, hinge-topped box in which the six sprues of medium grey polystyrene rattle around somewhat. This is not to say there's not much of it, far from, but the box gives the impression of a huge parts count, which thankfully, it doesn't have. We can thank the Tor's simple swing-arm suspension for this, plus link-and-length tracks instead of hundreds of individual links. The lower hull and running gear are relatively uncomplicated affairs which leaves the upper hull and that vast turret to occupy much of the sprue space. The latter builds up from a box onto which are fitted numerous panels, radar system, missile launchers and more which bring it to life. The top part of the radar 'dish' is open mesh in reality but is a moulded part here. A PE set is bound to address this in the near future. Fantastic detail abounds and it will build into an impressive model. **TMMI**

+ A bulky and sinister-looking machine and a great subject for a kit

- Nylon mesh is provided where PE brass would have been better





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Item 1614

PLANK ON FRAME
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PARTS INCLUDED
16 PLYWOOD LASER SHEETS
BUILDING INSTRUCTIONS IN
2 COLOUR VOLUMES



**1:200
SCALE**

Length 127 cm



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FULL-BUILD: COLD WAR AVIATION

AIRFIX 1:72 AVRO VULCAN B.2 ● KIT NO.A12011

1 983 saw the first 1:72 injection-moulded kit of a Vulcan from Airfix and according to legend this has been the best seller for the company. The model has outlasted several owners of the brand and been re-issued in several boxes over the years with no changes to the parts. Having built it in the 1980s, it was a truly difficult kit to work on with raised panels and often warped wings which were not the best of fit. Here we are nearly forty years later and all credit must go to Airfix for producing this all-new, up to date replica of this iconic bomber.

It was announced at Scale Modelworld to no surprise as the news had accidentally been leaked a day or so before the show. Despite this, the kit was heralded as a great subject and the test shots on display looked impressive. Nearly eighteen months later, the kit broke cover having been slowed down by the Pandemic. What arrived was a well-engineered product presented in a stiff box with a fabulous rendering of the bird banking away loaded with the Blue Steel nuclear missile. ▶





FOR VICTORY

John 'Tigger' Wilkes build's Airfix's all-new 1:72 Avro Vulcan B.2, the ultimate British 'V' bomber

FULL-BUILD: GOLD WAR AVIATION

AIRFIX 1:72 AVRO VULCAN B.2 ● KIT NO.A12011

● HISTORY

Built from a 1947 Air Ministry specification for a high speed bomber with a capacity of 10,000lbs and a range of 1,500 miles, the 1952 first flight gave an indication of the abilities of this iconic, all-British bomber. After the Second World War, captured Axis data was examined and some of the design work studied by the engineers at Avro. Roy Chadwick, the Vulcan's chief designer, already had created some famous aircraft such as the Lancaster, Manchester, Lincoln and transport in the form of the York. This new bomber was a big departure for him, as well as being Avro's step into the jet age. Tragically, he would not see the Vulcan fly as he was killed in an aircraft crash in 1947.

CONTENTS

Arriving in a stiff top opening card box with a great image of an aircraft banking away loaded with Blue Steel all of the individual parts trees are individually bagged. Parts count is 227 with several parts not used and alternative although not all mentioned in the multi-page instructions.

A twenty-eight page instruction booklet clearly shows the placement of parts in the subsequent image to make the construction as smooth as possible. Two supplementary colour sheets offer decal and painting guides all using Humbrol paints.

All panel joints are appropriately represented by either somewhat deep

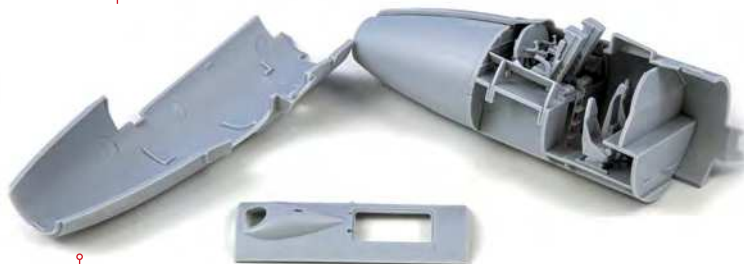
scribed joints or raised strengthening-plates. Plastic is medium grey with good surface detail throughout. Under a coat of paint they were still quite pronounced as seems to be the Airfix way.

Decals are well printed and strong in colour offering two options: XM594. Scampton Wing (No's 27, 83 and 617 Squadrons), RAF Scampton, Lincolnshire, England, 1966 (aircraft currently preserved at the Newark Air Museum) in a Medium Sea Grey and Green over white scheme and carrying the Blue Steel. Secondly, XM602 B.Mk.2 presented in an overall Anti-Flash White, No.12 Squadron, RAF Coningsby, Lincolnshire, England, 1963 (nose section now preserved at the Avro Heritage Museum).

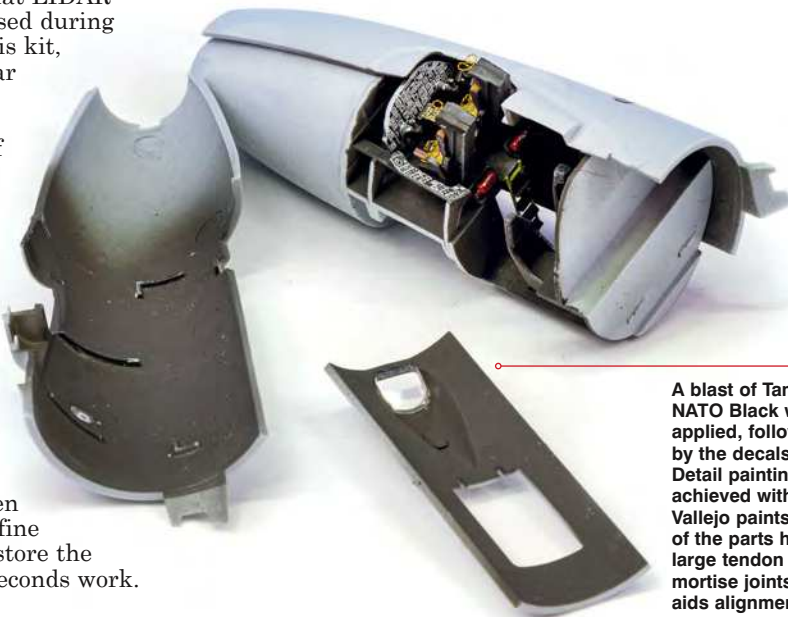
Construction follows a logical sequence and I am led to believe that LIDAR scanning was used during the design of this kit, making it appear accurate and capturing some subtle shapes of the original. A couple of the parts trees displayed some flash which was easy to remove. Luckily there was no mould slip so the flash was removed by scraping with a suitable tool then sanding with a fine grit paper to restore the surface: a few seconds work.



Airfix has provided a fairly good starting point for the cockpit although little of it will be seen. A very clever enclosure is provided for nose weight which is mentioned in the instructions. All I ended up adding was the ejector seat pull handles



Construction doesn't take long and the enclosure for the weight is embedded with more than the suggested weight to avoid a tail-sitter. I did find the pilots seats sat just little high and fouled the clear canopy, so I simply sanded a little off the top outer sides



A blast of Tamiya NATO Black was applied, followed by the decals. Detail painting was achieved with various Vallejo paints. Most of the parts have large tendon and mortise joints which aids alignment

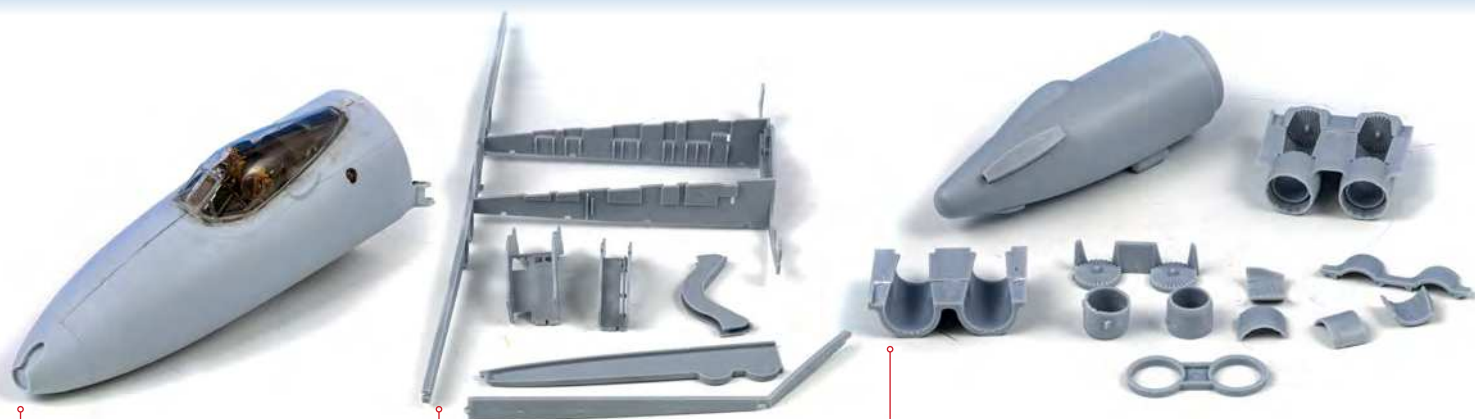
Mini Review...

ET MODEL 1:35 BOSCH LAMP LIGHTS FOR WWII GERMAN VEHICLES (P35-208)

www.etmodeller.com

3D printing for scale modelling accessories continues to develop exponentially in terms of both detail and affordability. New in from ET Model of Shanghai (plus a heap of other amazing stuff) is this set of Bosch headlamps for WW2 German vehicles and they are absolutely superb. They come directly of the printer so they are first-generation items which preserve detail, and these are detailed like none other we've seen. More next issue.





When assembled I found the inner weight enclosure needed some sanding on its outer faces to fit snugly in the nose. I had a split in my samples front mid screen and I had to revert to removing it and replacing with some clear plastic

All of the bomb bay and weapons racks are provided along with a strengthening set-up which has been a feature of recent large Airfix models. This adds strength and rigidity to the final model

Due to the complex shape of the exhaust there is a compromise although this system of multi parts does work. There is a small figure-of-eight-shaped jig which really assists in the building of these parts. Whilst not mentioned in the instructions there are alternative parts for the tail cone and ECM fit, so you need to decide on which aircraft and at what time in history and find an image to work from in order to get the correct fit

CABIN

Often referred to as the 'black hole' this section of the kit builds swiftly with no real issues. Almost all of it is black and little of it will be seen again, the use of very dark greys such as Tamiya Rubber Black and NATO Black allowed some subtle variation, before a black panel liner gave some depth to the detail.

Decals are provided for the instrument and overhead panels for the pilots. A

splash of colour is achievable on the ejector seats although they did sit slightly too high and fouled the canopy. I sanded them on the outer top boxes to allow the clear canopy to fit later.

I added the seat pull handles made with thin yellow and black embroidery threads twisted together. The only concession to colour within the ladder area was the fire extinguishers and the ladder although unless the model is picked up it will

never be seen.

An innovative and clever housing is provided for the nose weight – that will have to be supplied by the modeller – in this case forty grams. I used air rifle pellets held in place with melted candle wax. This enclosure then attaches to the forward cockpit bulkhead, all aligned with locating pegs. I did find the outside of this housing needed some sanding to fit inside of and allow the nose to close up tightly.

Drop-in sections cater for the cabin entry and bomb-aimer's window as well as the nose. There are choices here and I added the nose with the refuelling probe and nose lump as I was going to build an aircraft found on an Xtradecal sheet. This part is not shown until the last stage of construction but in order to get a good fit I fitted it now. Adding the canopy section left a small seam across the rear which was awkward to fill. ▶



Wings, intakes and nose all ready to join. I found that this all needed care clamping to get things in place. I was pleased to report that once set there was little or no need for filler, I used thin superglue to conceal any joints



One main feature of the Vulcan I was looking at seemed quite complex and that is the intakes. To give full credit a method of construction on offer makes this all work with the minimal seams to clean up. Those vertical splitter between the engines drops into the intakes from above and captures the look very well. I used the intake blanking covers as masks for the scheme I was building, however, there is a set of templates in the instructions for alternative patterns

Some clever construction sequences sees the lower fuselage being built onto the bomb bay and spars then the main gear bays all modular being dropped in. I secured them with lots of Tamiya liquid cement, reinforced with thick superglue set with activator



FULL-BUILD: GOLD WAR AVIATION

AIRFIX 1:72 AVRO VULCAN B.2 ● KIT NO.A12011



With an essentially constructed model I applied a coat of Tamiya Fine surface primer, issues fixed and re-coated. This primer was sprayed straight from the can. I know its expensive but it really is worth the money!



Wheels and gear all prepared for assembly and paint. A full 21,000lb load is also on offer along with the associated carrying cradle. Painting twenty wheels was achieved by using a circle mask held in place and all twenty were painted in a short timeframe

❶ FUSELAGE AND WINGS

Further choices need to be made at this stage. There are a couple of wing spars which go through the fuselage and need a section removing if using the Blue Steel missile. This, like most of the choices, is indicated well within the instructions. To these spars are fixed some of the bomb bay's roof structures which will eventually hold the bomb cradles. Commendably, Airfix has made this fairly simple and parts carry numbers in unobtrusive places to assist the modeller in the process.

In fairly short order the bomb bay is all slotted together and everything fitted without fuss. In some cases there are small supplementary drawings in the instructions which assist further. Further wing spars slot together and form a stiff sub-assembly which will keep the geometry of the model true. More sections need to be removed from the lower fuselage/wings for the Blue Steel and also, the rear

Red Shrimp ECM panels need holes drilling out for their fitment: these are located from inside by way of recesses, which are drilled through.

In bringing the lower wing/fuselage sections together I used the previously constructed spars as a support, keeping everything aligned. I used Tamiya Extra Thin Liquid Cement in the joints and clamped it all up overnight with some bulldog clips. The large wheel bays were next, their modular construction aided by large slots and tabs making assembly straightforward, with all being dropped into their designated spaces with no alignment or fit concerns. These are all white and I painted them after installation.

ENGINES

From the outset, one can see the thought that has gone into the complex intakes, as a set of templates for

masking are provided which need to be copied to tape and applied before painting white. I didn't need this because my bird had white intakes from further back, so I simply used the blanking plate as a mask. Construction of the intakes is logical and I guess the best method I have seen for them. A pair of horizontally-split, full-length intakes have a splitter dropped in from the top and I would suggest that you do one at a time to avoid parts getting crossed over.

I chose at this stage to seal the joints and paint them white before adding the compressor faces. Those blanking covers are a tight fit so I pushed them in and left them until after painting. These sub-assemblies drop into the lower wings and I was a little worried that the outer seam would not align, but in the end there were no issues and everything fitted well, needing minimal clean up.

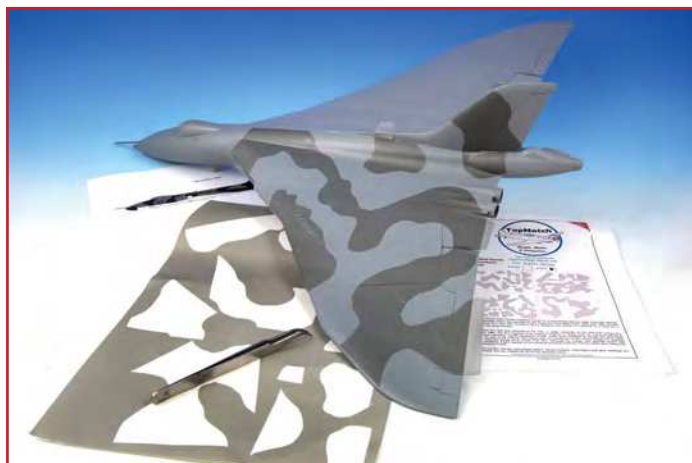
Upper fuselage/wing halves slot together neatly and at this stage are mated to the lower section.

A little clamping on the edges and some tape secured the position before I committed to gluing. This whole rear fuselage is a very rigid structure with the previously installed spars and ribs. A little pushing and shoving as well as some tape helped to align the nose section to the rear and here I secured it with Tamiya thin glue, plus a dribble of superglue.

Finally the intake splitter plate slots in at the junction of the fuselage and I am pleased to report this caused no fit issues, despite being a fairly complex shape. Thin superglue filled any joints and once sanded the part mated seamlessly. Adding the tail cone is nice and simple and luckily the parts slot in with no need for filler. For the ECM fit I used part H15 in place of H16, which was included in the box.



First colour on was Medium Sea Grey from AK real colours, thinned with cellulose thinners and airbrushed on. I deliberately painted the top surfaces first as masking up to the grey/green for the underside was easier. I know this goes against convention of light to dark but these paints have good enough covering properties that this method works well



I looked at several methods of masking the camouflage but opted for the laziest method and found a set of masks from a company called Top Notch. There were a few areas the instructions left me scratching my head but essentially it worked out well



Next colour was the Dark Green although to my eye this paint is a little too olive. This wasn't much of an issue as in weathering I altered the shade and the effect is of a faded aircraft just what I wanted



With the underside painted in Light Aircraft Grey a sealing coat was applied using Tamiya X22 Clear Gloss. After application I lightly spray a coat of cellulose thinners and this aids in levelling the clear, this being done to protect the paint and also prepare for decals



Applying the markings from Xtradecal and the kit went with out issue apart from my own error using the wrong roundel on the left wing. I later rectified this when I spotted the asymmetric appearance...

EXHAUSTS

Looking at the engine exhaust, there are a couple of designs which relate to different engines and the choice is not shown in the instructions. A clever template part is provided and this assists with making the parts line up especially the three sections that make the round pipe. Just follow the

guidance and do not glue this part! Once assembled they slotted over the rear of each pair of engines and all parts are clearly numbered to assist. There are various lumps and bumps associated with electronic counter measures and engine bleed ducts, along with fuel dump valves. Each aircraft seems to have slight differences so

you will need to select the time and date and follow a good photo to get everything correct.

Adding the big fin was nice and simple although I did have a bit of a tight fit and needed to sand the tenon a little. I deviated from the instructions once more and added a fin tip with appropriate blade aerals

fore and aft. Again this is in the kit but not mentioned for the colour schemes on offer. Luckily the rudder was a simple drop-in fit and can be set at whatever angle you desire. Guidance is given on the positioning as well. Similarly, the trailing edge flaps and ailerons drop in and have information on their positions in the instructions. ▶



More gloss and this time a heavy coat sealed the markings. After drying I sanded the area to flatten out any edges before weathering



First round of weathering was achieved with a thin wash in the panel lines with Humbrol Matt 27. Here the left side as you look at the model is complete, any excess is removed within thirty minutes of looking dry



PAINTING

A coat of Tamiya fine surface primer was sprayed from the can and this, once dry, was checked and any faults rectified. In this case I went with the AK Real Colors and the first on was the Medium Sea Grey: I sprayed all over the model as initially I was planning on an overall camouflage scheme. I later went with the undersides of Light Aircraft Grey.

I bought a set of vinyl masks from Top Notch and these worked well in the main, although there were a couple of places where the placement guide fell short. Over these I sprayed AK Real Color RAF Dark Green and to my eye it appeared to be somewhat too olive in hue. I was sure that weathering would tone this down and take some of the saturation out of it. Another round of masking and the underside was painted with Light Aircraft Grey.

All paints were diluted with cellulose thinners and sprayed through my Iwata airbrush. To be honest I can't see the point of pre-shading as the weathering will achieve the appearance I want over the colours rather than under them. After all, paint is generally worn from the outside in! A good coat of Tamiya X-22 Clear (gloss) was applied and left for twenty-four hours.

Decals from an Xtradecal sheet were applied followed

by the Airfix stencils and data markings. All settled down with Micro Sol and Set although I did make an error and applied the wrong roundel to the left wing. I had no choice but to fix this by removing the wrong one and re-applying the correct size. One more sealing coat and a further resting period of some three days followed. I then sanded the edges of the decals to disguise the edges with a 6000 grit sanding sponge. And there we have it! Airfix's all-new Vulcan is a triumph and makes a perfect replica of this staggering Cold War V-bomber. ●

TECHSPEC...

AIRFIX 1:72 AVRO VULCAN B.2
KIT NO.A12011

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

- AK Interactive Real Colors: RAF Medium Sea Grey (RC289), RAF Dark Green (RC286), Light Aircraft Grey (RC298)
- Tamiya Acrylics: X-22 Clear, XF-85 Rubber Black, XF-69 NATO Black
- Humbrol Enamels: 27 Sea Grey Matt
- Detail painting: various Vallejo colours

Accessories used:

Top Notch: masks

Availability:

- Airfix models and materials are widely available from good model shops and online. www.airfix.com
- Tamiya paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited: www.hobbyco.net
- AK Interactive: www.ak-interactive.com
- Top Notch: www.topnotch-success.net



A set of sturdy main gear legs fits into slots which set the right angle, be warned though that the rear gear doors need to be fitted first or the cross member removed so they can drop in after fitting the main gear as I did



Along with the nose gear, the entrance door can be displayed deployed and here a full ladder is provided. I think I am right in saying there should be a gas strut that fits to the side of the door and aids in retraction, this is a small omission that can easily be added by the modeller



In place of the other weapon provided a fill set of 21 x 1000lb bombs are provided along with their associated carriers



Some fairly grubby dirty undersides can be seen of the Vulcan in these 1970s schemes and I chose to keep it relatively subdued

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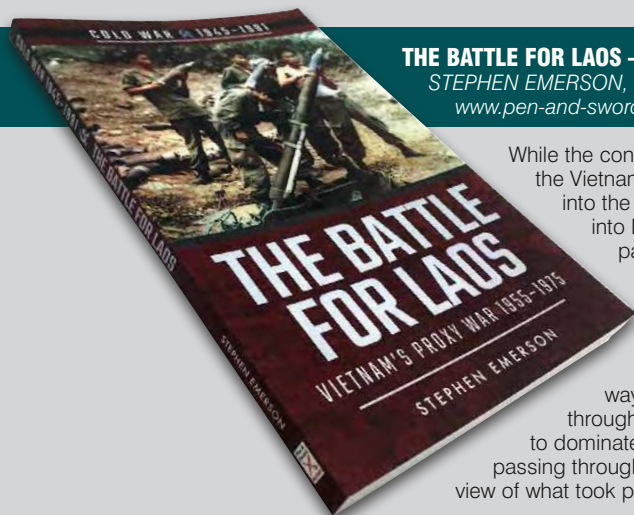
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Book Reviews

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THE BATTLE FOR LAOS – VIETNAM'S PROXY WAR 1955-1975

STEPHEN EMERSON, PEN & SWORD

www.pen-and-sword.co.uk

While the conflict in South-East Asia is known as the Vietnam War, in reality the actions spread into the surrounding nations, most obviously into Laos. This 128-page softback book is part of the Cold War 1945-1991 series from Pen and Sword, and seeks to explain the way that the war spread into Laos, with US forces involved on the ground and in the air. Indeed, the book illustrates the way that the US prosecuted their aims through the use of aircraft that were able to dominate the skies and inflict casualties on the ground. The ability to disrupt supply columns passing through Laos was fundamental. This book is roughly 50/50 photos and text, and gives a clear view of what took place on the margins of the Vietnam War. **CLS**



HITLER'S PANZERS – THE COMPLETE HISTORY 1933-1945

ANTHONY TUCKER-JONES, PEN & SWORD
www.pen-and-sword.co.uk

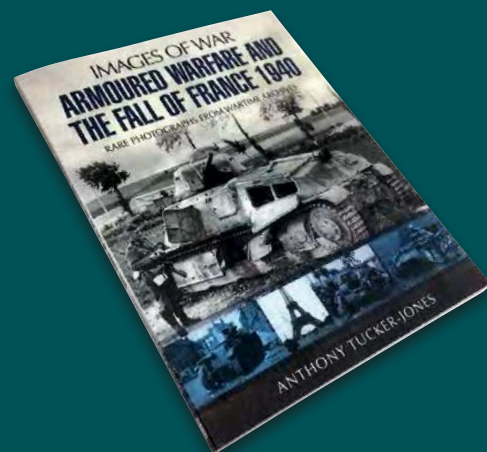
Of course, much has already been written about panzers in WW2, but in this 220-page book the author has gathered together much of the essential information, adding in a mix of personal recollection and eye-witness testimony. The result is a concise summary of the key details of the design and use of each major vehicle type, in a highly readable format. This book will appeal to many readers as a collection of key facts, although this is not a pictorial guide and the number of photos will leave many modellers wanting to access the internet and other sources. The book is a great read, and a really useful way to consider the Panzerwaffe as an entity from the earliest developments through to the destruction in 1945. **CLS**



TANK ATTACK AT MONTE CASSINO – THE CAVENDISH ROAD OPERATION 1944

GEOFF PLOWMAN, PEN & SWORD
www.pen-and-sword.co.uk

The Allied advance up Italy in 1944 was held up for some time by savage fighting in and around the abbey of Monte Cassino, which was perched on a steep hill and dominated the surrounding valley. The abbey was defended by German paratroops, and they resisted many attacks. This book examines one such attack, up a narrow mountain track, by New Zealanders, Indians and American units. After initial success, the attack was unsuccessful. The book covers the planning, the attack, and the aftermath, with photos of the locations, the men, and the vehicles involved. The last third of the book is a collection of colour photos of the sites, showing where events unfolded and linking each photo to annotated air photos. From start to finish, this book is meticulously researched and the respected author gives us a real insight into the difficulties of fighting an entrenched enemy in difficult terrain. Overall, a superb example of how even the best and bravest troops can be let down by planning and bad luck. **CLS**



ARMoured WARFARE AND THE FALL OF FRANCE 1940

ANTHONY TUCKER-JONES, PEN & SWORD
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From the outbreak of WW2 until May 1940, the period of Phoney War saw Britain, France and Germany getting their armoured forces prepared for the coming battles. When conflict erupted, the German forces swept through Western Europe in a matter of weeks, despite the numerical strength of their opposition. This softback book in the Images of War series, first published in 2013 and now reprinted, describes the campaign and provides the reader with a very good summary of the key events. The highlight of the book has to be the photographs, carefully chosen to illustrate the key vehicle types, and occupying about 80% of the pages. Some of the photos are very slightly fuzzy, but the choice of the pictures is excellent, with the selection showing vehicles, aircraft, scenery and troops. It is unfortunate that the photos of French vehicles invariably show destroyed or captured tanks. A very good and inexpensive summary, this book will satisfy the majority of readers and give plenty of ideas for models. **CLS**

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NEXT ISSUE

The next issue of TMMI is March 2022
(No.317), on sale 17th February

BLADE RUNNER

Tamiya's 1980s classic Suzuki
GSX1100S Katana 'Custom
Tuned' edition in 1:12



WILD HORSE

Eduard's 1:48 Mustang Mk.IV in RAF service



FISH EAGLE

Hobbyboss's 1:48 MV-22 Osprey, up-detailed!

...AND MUCH MORE, OF COURSE!

Due to the many factors that can influence the appearance (or non-appearance) of a model in TMMI, the items shown above are shown on a provisional basis. We endeavour to bring you these articles, but please be patient if they do not feature! Thank you for your understanding.

Order online now at; www.tamiyamodelmagazine.com

ISSUE No.316 FEBRUARY 2022 PUBLISHED ON JANUARY 20th 2022

Editor: Marcus Nicholls **Publisher:** Alan Harman **Graphic Design:** Alex Hall

TMMI Website: The Doolittle Media web team **Advertising Manager:** Alan Harman

Administration: Gordon Angus **Office Security Consultant:** Barb Dwyer

Distributed by: Seymour Distribution, 2 East Poultry Avenue, London, EC1A 9PT **Tel:** 020 7429 4000

Newstrade: Select Publisher Services, 3 East Avenue, Bournemouth, BH3 7BW **Tel:** 01202 586848 **Email:** tim@selectps.com

Tamiya Model Magazine is published on the third Thursday of each month by Doolittle Media Ltd. **Editorial enquiries:** editor@tamiyamodelmagazine.com

All other enquiries to: enquiries@doolittlemedia.com Tamiya Model Magazine, The Granary, Doolittle Lane, Totternhoe, Bedfordshire, LU6 1QX, UK.

Telephone: +44 (0)1525 222573 **Back Issues:** From £4.95 Inc. P&P are available from the UK address below, or online at www.tamiyamodelmagazine.com

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Subscription rates are; 1 year (12 issues); £50 UK, £62 Europe, £75 Worldwide **Binders:** £8.50 + P&P (UK-£2.45, Europe-£4.45, Worldwide-£6.45).

All prices include postage and packing. For all orders, please call (UK) +44(0)1525 222573 or visit www.tamiyamodelmagazine.com Digital subscriptions available from www.doolittlemedia.com


**Model
MAGAZINE**
INTERNATIONAL

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TO MY NEWSAGENT...

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The Editor's Page...

A new KV-2 has arrived from Tamiya!

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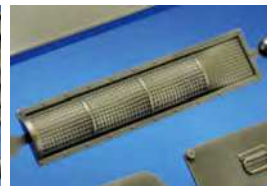


KEEPING KV

Tamiya has announced an all-new kit the mighty KV-2 heavy assault tank in 1:35! The kit uses parts from the recently released, new-tool KV-1 kit, but with new, non-ribbed roadwheels as seen on the KV-2 and early KV-1 models plus return rollers with rubber rims. The kit also features large-diameter idler wheels which were featured on the early and middle production models: the KV-1 model has small-diameter late production type. The massive turret with 152mm howitzer is a box-type assembly and its surface armour plate and weld seams are authentically reproduced. The main gun barrel has realistic rifling near the muzzle. The kit comes with two marking options, one driver and one commander figure. Full build feature coming soon to TMMI! ●

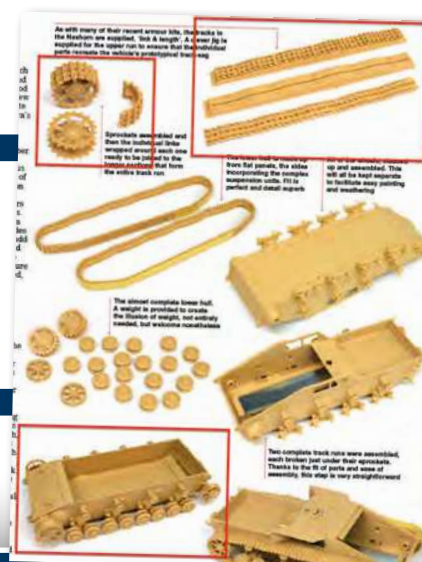
Techspec

- Road wheels are no-rib types which were seen on the KV-2 and early KV-1 models, plus return rollers with rubber rims
- Features large-diameter idler wheels which were equipped with the early and middle production models (The KV-1 model has small-diameter late production type)
- The massive turret with 152mm howitzer is a box-type assembly and its armour plate and weld seams are authentically depicted
- Main gun barrel has a realistic rendering of rifling near the muzzle
- The lower and upper hulls, and tracks are the same as the ones of the KV-1 kit
- Assembly type tracks feature one-piece straight sections and recreate upper run 'sag' effect
- Choose between open or closed hatches.
- Comes with two marking options, one crew torso and one commander full figure



Nashorn article error, TMMI 313

In Tamiya Model Magazine No.313 we inadvertently published a couple of incorrect photographs within the review of the Tamiya 1:48 Nashorn. The images are actually of Tamiya's 1:35 Pz.IV ausf.G which was being built at the same and the photos became accidentally mixed. Our apologies for any confusion caused.



**1/48
MM**
MILITARY MINIATURE SERIES

GERMAN SELF-PROPELLED HEAVY ANTI-TANK GUN

NASHORN

519th
Heavy Anti-Tank Battalion,
Eastern Front, February 1944

Powerful Gun For the East

1/48 Military Miniature Series (Item 32600)

German Self-Propelled Heavy Anti-Tank Gun Nashorn

With the commencement of the German-Soviet War in June 1941, the German Army found the overpowering Russian T-34 and KV tanks waiting for them. As a counter-measure, the German forces started developing a number of self-propelled anti-tank guns based upon existing tank chassis, and among them, the Nashorn had particularly overwhelming power. With all benefits of a powerful 8.8cm gun, the Nashorn mainly battled at the Eastern Front. Now, Tamiya welcomes this popular self-propelled heavy anti-tank gun as the 100th model in the extensive 1/48 Military Miniature Series! This is a highly accurate depiction of the powerful form based upon a chassis employing Pz.Kpfw.III and IV components, and featuring a large fighting compartment with an 8.8cm long-barrel gun. Superb details despite its compact size, and a succinct parts breakdown are major highlights. 2 marking options are included to depict vehicles of the Eastern Front. Expand your diorama ideas with various kinds of 1/48 vehicles and soldiers in service during battles in Russia.



★Length: 176mm
★Width: 62mm



Comes with weights for heavy feel.
Contains two Eastern Front marking options.

3rd Company,
88th Heavy Anti-Tank Battalion,
Eastern Front, 1944

Assembly type tracks feature one-piece straight sections and capture upper run 'sag'.

One commander figure in cold weather gear included.



The fighting compartment interior realistically depicts the gun mount, breech and sighting device. The gun barrel features elevation and traverse.



Road wheel suspension bases are integrated for ease of assembly.

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

Painting the German Self-Propelled Heavy Anti-Tank Gun Nashorn

(Tamiya Color Lacquer Paints (LP)/ Tamiya Color Acrylic Mini Paints/ Tamiya Color Enamel Paints (XF))

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