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**ISSUE
308**

June 2021
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Model MAGAZINE

INTERNATIONAL

CAMPING IT UP

Revell's 1:24 VW T1 Camper gets
slammed and custom painted



**TAMIYA'S ALL-NEW 1:48
F-4B PHANTOM II IN FULL DETAIL**

THAT'S THE SPIRIT!

INSIDE...

**Tamiya 1:12 Suzuki RM250, Eduard F6F-3 Hellcat,
plus new kits, books and modelling accessories...**

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Masterpiece Rally Car

1/20
SCALE

1/20 Grand Prix Collection **Fiat 131 Abarth Rally Olio Fiat** (Item 20069)

In the early rallying days of the 1970s, various kinds of 2WD car such as FR, midship, and RR cars battled for the titles, and one especially fine example was the Fiat 131 Abarth Rally, which took titles in 1977, 1978 and 1980. Now, this car joins the Tamiya 1/20 Grand Prix Collection. The 1976 and 1977 versions were finished in a navy blue and yellow livery based on the colors of Olio Fiat. The famous Italian car-tuning brand Abarth developed this car as an Abarth-tuned version of the Fiat 131 Mirafiori, and the model captures elegantly the front/rear spoilers, overfenders, inline-4 DOHC 4-valve engine and disc brakes. The interior is accurately depicted with the roll cage, bucket seats, pedals, rear seat helmet holder, and fire extinguisher. Add this superlative static model into your model collection!



- ① The bonnet opens on its front hinge, and the inline-4 engine DOHC engine has ignition cables, radiator, oil cooler and triangular bar for more reality.
- ② The trunk is openable and includes depictions of spare tire, fuel tank, and battery.

Full display model

The realistic interior features a roll cage and dashboard.

Antenna is crafted in stainless steel.

2 figures (driver and co-driver) are included.



Length: 208mm, width: 98mm, height: 108mm (includes antenna).



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



Painting the Fiat 131 Abarth Rally Olio Fiat
Tamiya Color Spray Paints (TS)

TS-55 Dark Blue TS-47 Chrome Yellow

Masking stickers are also included for use in painting.



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Revell's 1:24 VW T1 Camper gets a custom paint job courtesy of Zero Paints



Model MAGAZINE INTERNATIONAL

Issue 308 June 2021

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IN BRIEF...



TAMIYA

- 1:32 Mini4WD Ray Spear (VZ)
- 1:32 Mini4WD Ignition
- 1:32 Mini4WD Hyper-Dash 3 Motor J-CUP 2021
- 1:32 Mini4WD Hyper-Dash Motor PRO J-CUP 2021
- 1:32 Mini4WD Dash-1 Emperor (Type 3) Special Kit
- 1:32 Mini4WD Dash-01 Super Emperor Special Kit
- 1:32 Mini4WD Dash-001 Great Emperor Special Kit
- Tamiya Mug (Racing Mini 4WD/Blue)
- 1:10 RC X-SA Grasshopper
- 1:12 RC X-SA Midnight Pumpkin
- 1:10 RC 1996 Porsche 911 GT1 Street (TA03R-S)
- 1:10 RC Plasma Edge II Gun Metal (TT-02B)
- 1:14 RC Accessory Set For Truck (cones and tools)

hobbyco.net



LIVE RESIN

- 1:35 Arbalet-DM RCWS module with 23-mm AP-23 automatic gun
- 1:35 Russian Army APC driver or commander in modern infantry combat gear
- 1:35 Russian Army armoured vehicle or truck driver in modern infantry combat gear

live-resin.com



REVELL

- 1:72 Lockheed Martin F-16D Tigermeet 2014
- 1:32 MS Fieseler Fi103 A-B (V1)
- 1:72 MS British Legends Sea Vixen FAW 2 70 Years
- 1:50 Model Set Viking Ship
- 1:146 Model Set USS Constitution

revell.de



TRUMPETER/HOBBYBOSS

- 1:48 Soviet La-11 Fang
- 1:35 Romanian TACAM T-60
- 1:35 German Pz.BeobWg V Ausf.A
- 1:72 Russian BM-21 Grad Multiple Rocket Launcher
- 1:35 LKW 7t dump truck
- 1:35 German Sd.Kfz.171 Panther Ausf.G - Early Version
- 1:35 P-40/1S12 Long Track S-band acquisition radar
- 1:350 HMS Colombo
- 1:35 M1120 HEMTT Load Handling System (LHS)
- 1:144 Xian H-6K Bomber
- 1:35 L4500A mit 3.7cm Flak 37

pocketbond.co.uk



ZVEZDA

- Soviet mountain infantry WWII 1/35
- Hansa Kogge (Cog) Medieval ship 1/72

hobbyco.net

NEW FROM TAMIYA 1:12 Brabham BT44B

Great news for fans of Tamiya's 1:12 Big Scale Series because the handsome 1975 Martini Brabham BT44B is on its way back, complete with photo-etched details and Cartograf decals. A stunning kit of a classic '70s F1 car

www.hobbyco.net www.tamiya.com



NEW FROM TAMIYA 1:10 RC Mercedes-Benz Unimog 406 Series U900

Based on the CC-02 chassis, this kit of the utilitarian Unimog 406 truck comes with a polycarbonate body, pre-painted in PS-32 Corsa Grey with lower body sections in black, plus pre-cut body/wheel arches.

www.hobbyco.net www.tamiya.com



NEW FROM TAMIYA 1:35 German Tank Panzerkampfwagen IV Ausf. G

Here is the box-top artwork of the forthcoming Pz.IV Ausf.F. Decals for North African and Eastern Fronts included.

www.hobbyco.net www.tamiya.com

NEW FROM ITALERI 1:12 Lancia Delta HF Integrale

The Lancia Delta HF Integrale 16V in 1:12 is coming to model shops soon!

www.hobbyco.net



COMING SOON LIVE RESIN 1:35 Russian Army soldiers

On the way from Live Resin of Russia are set of 1:35 figures depicting modern-era Russian Army soldiers to populate the cabin and rooftop of the vast Typhoon-K and Typhoon-VDV APC kits. Expect high levels of detail and great poses. www.live-resin.com



COMING SOON FROM REVELL 1:9 Kübelwagen Typ 82 Platinum Edition

The large scale 1:9 Kübelwagen Typ 82 is on its way back courtesy of Revell and it will come with photo-etched parts plus real wood 'duckboards' for the floor! www.revell.de



NEW FROM REVELL 1:400 RMS Titanic Technik

The RMS Titanic joins Revell's 'Technik' series and will come with LED lights for the interior and even sound effects!
www.revell.de



NEW FROM ZVEZDA New plastic kit releases

On the way soon: Mil Mi-24P Hind F (1:48), L4500 R Maultier German heavy halftrack WWII (1:35), SU-122 Soviet SPG (1:100) and the Koalitsiya Russian self propelled howitzer (1:72)
www.hobbyco.net



COMING SOON FROM WINGSY KITS - 1:48 early Emil

A new-tool Messerschmitt Bf109E 'Emil' is on its way from this Ukrainian manufacturer. Expect masses of fine detail
www.wingsykits.com



COMING SOON FROM SCALE TAKOM - Naval gun turrets

This series of gun turrets depicting famous and interesting naval vessels from Takom is gaining traction, the latest being the 'Bruno' (B) turret of the Bismarck battleship and a main turret from the IJN Yamato battleship, both in 1:72. In 1:35 we have an SA-N-7 and/or SA-N-12 turret from a Russian Navy warship.
www.pocketbond.co.uk



COMING SOON FROM SCALE MOTORSPORT 1:24 McLaren Senna carbon-fibre decals

Tamiya's stunning 1:24 Senna kit is soon to be complimented by a set of carbon-fibre effect waterslide decals to replicate the exposed weave of the composite on its interior and exterior surfaces. Expect over 180 templated decals!
www.scalemotorsport.com



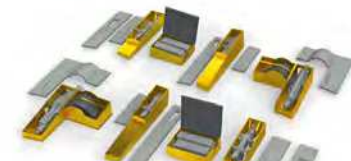
COMING SOON FROM HOBBYBOSS New kit releases

On the way soon from Hobbyboss: 1:48 CH-47A Chinook, 1:35 T-80UD, 1:72 Sam-2 Missile with Launcher Cabin, 1:48 F/A-18E Super Hornet
www.pocketbond.co.uk

COMING SOON FROM EDUARD

- Brassin 1:48 Dornier Do-17Z Bomber L66K
- Brassin 1:48 Messerschmitt Bf-110G-4 gun muzzles
- Brassin 1:48 Supermarine Spitfire Mk.IIb gun bays
- Brassin 1:48 AGM-62 Walleye I Mk.I
- Brassin 1:48 Ilyushin Il-2 Stormovik exhaust stacks
- Brassin 1:72 R-27T/T1 / AA-10 Alamo-B

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



MUD, MUD, GLORIOUS MUD!

As an off-road biker himself, Jarek Rydzyński really appreciated the gift of Tamiya's now collectable 1:12 Suzuki RM250 Motocrosser!

The history of the Suzuki RM250 model began in 1975 and continued with many upgrades until 2008. From the very beginning, the two-stroke, water-cooled machine was very popular in the world of off-road motorsport. Many factors contributed to the phenomenal off-road qualities and driving pleasure that the RM250 served to the driver every kilometre; durable construction, refined chassis, powerful engine. The advantages of this Suzuki cannot be expressed in one breath!

The Suzuki RM250 was equipped with a single-cylinder power unit with a displacement of 249cc. The two-stroke heart of the RM250 produces a maximum power of 55bhp and a maximum torque of 50Nm.

The Tamiya 1:12 Suzuki RM250 kit (14013) was first launched in 1983 and in 2014 it was reissued. The box changed, but I personally did not see the difference from the box of the first release. Today, this kit is a real gem and you can only get it on auction websites, the prices sometimes reaching cosmic levels!

I received this model as a gift from a good friend of mine and, as an Enduro rider, I was very excited to have it! The box includes three sprues parts (black, yellow and chrome), two rubber tyres, two lengths of vinyl tubing, a bag with micro-screws, a shock absorber spring, a decal sheet and a micro screwdriver. The model has been designed in such a way that it can be finished without the use of paints, so it can be recommended to people who are starting their adventure with modelling. The actual motocross bikes are practically a frame with an engine, suspension, two wheels, seat, handlebars, a set of plastic mudguards and little else, so building a miniature practically takes one weekend and without painting, just a few hours! ▶





FULL-BUILD: OFF-ROAD MOTORCYCLE

TAMIYA 1:12 SUZUKI RM250 MOTOCROSSER 1982 • KIT NO.14013

Construction starts by snipping all the components from their sprues and removing the mould seams that are present on most parts. The 'chrome' was removed by bathing the mouldings in bleach



ASSEMBLY

I started the construction of the kit by trimming out all the parts from the sprues and scraping off the seams that were on some parts. One sprue of parts was plated with factory 'chrome' and even though it was very nice and shiny, in real life there was no chrome on this bike, so I removed the finish from the parts by bathing them in domestic bleach, containing chlorine. You have to be very careful when working with strong chemicals such as bleach; remember to wear

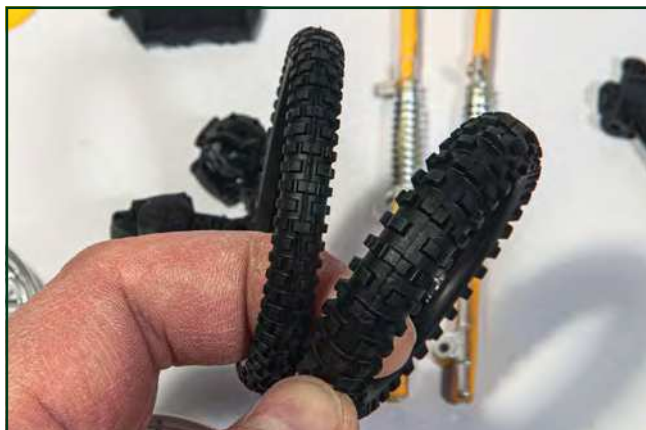
eye-protection and rubber gloves and ventilate the room well, because chlorine vapours are extremely poisonous.

After about an hour of soaking the plastic, the chrome coating practically disappeared; here and there I had to help by removing the residual chrome with a Tamiya abrasive sponge. I then assembled the cleaned parts into larger components, such as wheels, engine, frame, front suspension, rear suspension, exhaust system. The sections prepared in this way were

then ready for painting.

To begin with, I painted coated with Mr Surfacer 1200 primer and left it to dry completely until the next day. The primer eliminates micro-scratches and imperfections formed during the preparation of components and also improves paint adhesion in the subsequent stages of painting. Sometimes it is only after the primer layer has dried that you can see imperfections so you can make the necessary corrections. After the Mr Surfacer had dried, I had a

perfect surface and was able to start painting. I painted the frame and seat black using Tamiya gloss black and the engine and exhaust system with Tamiya Rubber Black. The wheels and aluminium elements of the front and rear suspension were painted with AK Interactive Extreme Metal Aluminium and the rubber covers with Tamiya Rubber Black. Tamiya Yellow was used on the fuel tank, fenders, side covers and the shock absorber spring.



The coolest thing in this kit are the rubber tyres that perfectly resemble the real things and even smell the same!





“I always use decal solution when working with waterslide decals, they improve the adhesion of decals and soften them, giving them more flexibility...”

Usually, decals that are a little old (1983) can get damaged during their application, so the author had to be very careful during this stage. Fortunately, there were only a few markings to apply and the application process was painless



MARKINGS

The next step was to apply the decals. Usually, waterslide transfers that are a little old (this is a 1983 model!), can be damaged during their application, so I had to be very careful during

this stage. Fortunately, there were only a few 'stickers to stick' and the application process was painless. I always use decal solution when working with waterslide decals, they improve the adhesion

of decals and soften them, giving them more flexibility, so we can apply them to 'difficult' surfaces.

After 24 hours, when the decals were dry, I secured them with Mr Color clear, remembering to paint the

first layers of varnish in very thin layers at intervals of a few minutes and then apply a wet layer of varnish at the end. Such a painting technique will allow us to obtain a perfectly smooth and glossy coating! ➤

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FULL-BUILD: OFF-ROAD MOTORCYCLE

TAMIYA 1:12 SUZUKI RM250 MOTOCROSSER 1982 ● KIT NO.14013

Tamiya Panel Line Accent Color (black) to the wheels, swingarm, front suspension and steering wheel. After drying, the excess was removed with a Q-Tip moistened with Tamiya Enamel Thinner

Despite being nearly forty years old, Tamiya's 1:12 Suzuki still looks superbly well detailed

DIRTY, OR CLEAN?

To create the illusion of three dimensions I applied Tamiya Panel Line Accent Color (black) to the wheels, swingarm, front suspension and handlebars. After drying, I removed any excess 'wash with cotton swab moistened with Tamiya Enamel Thinners. I was then able to bring the finished components together. Some elements are connected by small screws, tightened with the included screwdriver. The coolest thing in this kit are the 'rubber' tyres that perfectly resemble the real tyres; they even smell the same! It was a lot of fun to assemble this bike and all parts fit together perfectly.

I was wondering whether to leave the motorcycle perfectly clean, straight from the showroom, or add mud, which is the natural environment of this type of motorcycle. Finally, I decided on my second idea, that the motorcycle that has just finished a race! Mud simulation consisted mainly of AK Interactive and AMMO by Mig preparations. I used several colours of mud, dry and wet, as well as imitations of sandy dirt such as Damp Earth, Dark Mud, Dust Effect and Fresh Mud. I devoted most of the muddying-up attention to the formation of mud splashes on the mudguards and side panels, as well as to simulate dirt on the tyres. I also added scratches on the engine cover and frame abrasions in the area of the rider's feet. ▶

Before the fuel-tank and seat have been fitted, we can see the lightweight design of the RM250's frame





“Mud simulation consisted mainly of AK Interactive and AMMO by Mig preparations...”

FULL-BUILD: OFF-ROAD MOTORCYCLE

TAMIYA 1:12 SUZUKI RM250 MOTOCROSSER 1982 ● KIT NO.14013

CONCLUSION

Tamiya's 1:12 RM250 is something special. It can be built over the weekend, even without the use of paints, if you wish. Except for the seams on the edges of the moulds (which need to be removed), it fitted together like LEGO blocks. The vinyl hoses simulating the throttle and clutch lines seem too thick for me, but during the construction I didn't have anything thinner, so I used the ones from the kit. In my opinion, the weakest part of the kit is the wheels, which have fairly thick spokes that don't fit this scale and it's very difficult to get rid of the mould seam on them. The solution is to replace the spokes with metal ones. Despite the age of the Tamiya kit, the parts looked very good, the detail was good, the fit was excellent and there were practically no problems with the assembly of this miniature motorcycle. The Suzuki RM250 is a model that is dedicated to

motorsport enthusiasts, but also to people who would like to start their adventure with the modelling world, provided that they can find it at a reasonable price. A true Tamiya classic! ●

TECHSPEC...

TAMIYA 1:12 SUZUKI RM250
MOTOCROSSER 1982 KIT NO.14013
Materials:

Injection-moulded polystyrene, synthetic rubber tyres, vinyl tubing, metal shock absorber spring, micro screwdriver and screws, waterslide decals

Paints and pigments:

- Tamiya: X-1 Black (gloss), XF-85 Rubber Black, X-3 Yellow (gloss), Enamel Thinner, Tamiya Panel Line Accent Color
- Mr Surfacer: 1200 Primer
- Mr Color: Clear
- AK Interactive: Extreme Metal Aluminium, Damp Earth, Dark Mud, Dust Effect, Fresh Mud pigments

Availability:

This kit is now out of production; search in online auction sites.

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



The author used several shades of 'mud' (AK Interactive Damp Earth, Dark Mud, Dust Effect, Fresh Mud pigments) applied both dry and wet, to realistically simulate the bike's coating of dirt



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CAMPING IT UP AND SLAMMING IT DOWN

Kris Hoekstra lowers Revell's 1:24 VW T1 Camper and gives it a custom paint job courtesy of Zero Paints...

It should no longer come as a surprise to most readers and people who know me personally that I am always crazy about the T1 'split bus' (or rather the T2 bus, since a Beetle should be seen as T1). In the meantime, Revell has already released several kits of this van and in several versions of which I have already built two. That is why I feel privileged to be able to build the latest version for publication. The kit was received in good order by mail and my hands were itching to start right away!

THE KIT

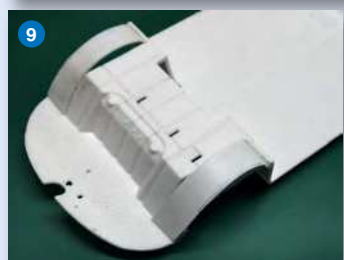
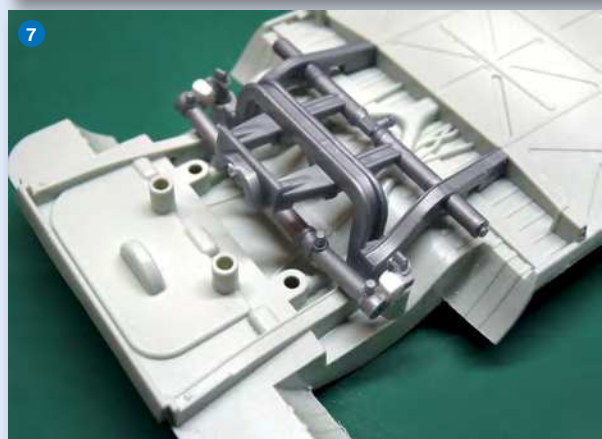
When I opened the model, my heart sank again. As most modellers know, Revell always uses those clumsy boxes without lids. That wouldn't be so bad for a simple kit, but here we have 189 parts and this quantity is way too much for this size box. Almost all sprues were bent and essential parts for the body were bent as a result! I have no idea how at Revell they pack all these frames in, because there was no way I could get them back inside the kit box ([photos 1, 2](#)).

For a moment I thought I had gotten a 'Monday morning' model, but through Facebook I found out that I was not the only one with this problem. I think this is very bad, also given the sales price of +/- €35. Fortunately, I was able to order new mouldings via the contact form. I'm afraid this will cost Revell a lot of money. Using a larger box would have been the solution.

Anyway the box is well stocked with detailed parts. I immediately noticed that a large number of the parts are for other versions or that they are optional. That is why I firstly located all the parts that I do not need, to keep things a bit more organized. Plans were also made with an original colour combination and different rims. 🚗

FULL-BUILD: MODERN CIVILIAN VEHICLE

REVELL 1:24 VW T1 CAMPER ● KIT NO.07674



MODIFICATIONS

Although Revell's VW T1 kits are very detailed and contain many parts, I am always a bit hesitant about these models. Now that I have already built several versions of this kit, I know that the fit of all loose body parts can be less than perfect. To start with, I therefore started dry-fitting the parts ([photo 3](#)). To be honest, I was completely amazed that everything actually fitted so well. Or was this a case of the 'calm before the storm'?

Since I was going to use other rims and want to lower the suspension, I had to adjust a few things. I prefer to do this in the initial phases so that I would not have to come close to a freshly sprayed body with a saw, file and Dremel. First of all I assembled the chassis as described in the instructions. Then I fitted the new rims (Porsche Fuchs wheels from a Fujimi kit) to see where I might run into problems. In this case I had nothing to glue the rims to and the original ride height was too high.

I proceeded as follows: The original suspension was stripped of all protrusions and filed flat. I glued a piece of flat plastic plate on top as a filler. The brake drums were slightly modified and a wider tube was glued to it. These were glued into the rims later. The wheel arches were also partly cut away to make room, this way you can glue the rims in any desired height. The rear was adjusted in the same way ([photos 4, 5, 6, 7, 8](#)).

Now that the chassis had been adjusted, parts of the interior must also be reworked. The tyres now protruded too far up through the wheel arches, so that the bottom plate of the interior no longer fitted. Here too it was sawn away a bit so that the tyres could come through. This part was then filled up again with a plastic plate and sealed ([photo 9](#)).

Now the problem arisen that the sofa/chairs no longer fitted. According to the instructions there would normally be a sofa, but from an earlier project I had two seats left that I was now going to use. The seats were also slightly adjusted so that they fitted exactly to the arc of the wheel arch. At the back, some things were cut away and nothing else needed to be adjusted, because this would no longer be visible once the model was finished ([photo 10](#)).

Now that I was already chopping and sawing, I also adjusted the front and rear bumpers. There are two types of bumpers to choose from in the kit. The deluxe version that I used was stripped of detailing and smoothed for a cleaner look ([photos 11, 12](#)). ▶





SPRAYING PROCESS

Spraying the body is quite a job in itself. Because the interior is also visible on the inside of the parts, you will have to mask a lot. Via the internet I came across a VW bus in a special colour combination that really appealed to me. Firstly, all parts were thoroughly sanded so that the Zero Paints grey primer would adhere well (photo 13).

Then the first colour was VW Sand Green from Zero Paints. After a few layers everything was nice and opaque and I let it dry well to tape up the parts for the second colour, to be applied the next day (photo 14).

This was become a mix of Panama Beige and Creme White. My wife had to come to the rescue to make the colour look like the example, as I am colour blind myself (photo 15). After a number of tests, the colour was found to be good and the parts were painted. Now that the paints were on, I still missed something. In the example, the dividing line between the colours was interrupted by a chrome/black piping. Unfortunately these decals are not included in the kit, but luckily I had a spare decal set left over from another Revell T1 Samba bus.

After applying this, it was time for the clear coat. This time I use the 2K paint from Gravity Colors from Spain (photo 16). The varnish was prepared in the ratio of 1:1:3 and sprayed with a 0.6mm needle at a pressure of 1.8bar. The gloss coat sprayed fine and tight, and after three coats I was satisfied. I also didn't want to spray too much paint and I avoided the edges as much as possible so as not to disrupt the fit too much.

Although most parts had a smooth paint job, some dust had accumulated in the roof, a side panel and a door. Because they were very small, I left it that way. But after a few days I started to get more and more irritated. This just had to be sanded out and polished! The sanding process started with 4,000-grit until the dust was sanded away. Then the sanding scratches were reduced as much as possible with 6,000 and 8,000-grit papers.

Then, polishing paste from Menzerna was used in combination with a Dremel and mini polishing pads (photo 17). The polishing set goes from coarse to fine and after carefully following these steps, you will be left with a layer of lacquer so reflective you can comb your hair in it. It is always a time-consuming job, especially with so many separate parts, but the result is always worth it.

THE INTERIOR

Now it was the turn of the interior. As mentioned, the insides of the body panels are also directly the interior. I first masked off all the shiny parts that were painted in body colour (both inside and outside) and then sprayed with a beige colour from Vallejo. The seats were also painted. ●



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FULL-BUILD: MODERN CIVILIAN VEHICLE

REVELL 1:24 VW T1 CAMPER ● KIT NO.07674

❶ The camper interior contains many parts that need to be finished in a wood colour. For a moment I thought about spraying them in high-gloss white for a modern look, but that idea was soon dropped. Instead, I painted everything in a wood-look with a brush. I had never tried something like this before but I had read how to simulate it in a simple way.

The parts were painted with Vallejo Light Brown, then a mix made of Light Brown with Dark Yellow was made and highlights were applied with an old brush. When this was dry I also added highlights with Tamiya Red Brown to mimic the grain in the wood. Then the decals were applied and everything sprayed in a satin finish. For the first time in a while, I was very satisfied with the result ([photos 18, 19](#)).

Now it was time for the other interior parts. I sprayed the cushions and curtains in the same beige colour as the rest. I thought that the beautiful decals (supplied) would be transparent and the underlying colour would show through. This was really not the case, but the result was equally attractive. The decals for the curtains were well lubricated with decal softener to make everything flow nicely into the curves. After this, everything was sprayed in a matt clear coat ([photo 20](#)). The floor in

the interior was provided with a wood decal that I had left over from a pickup truck. I actually wanted to use real wood here, but I didn't have the right material available. The beautiful decals give the interior a retro character and all kinds of extra accessories for extra decoration were placed inside and I love the look of it!

The loose parts for the interior were now fitted and it was then time to glue the body panels together, so that the rest of the interior forms a whole. The fit was fine and the cabin was already taking shape. The tables and sink were painted satin white and installed. Although I already liked the cabin very much, it was still missing some decoration. From Scale Production, Mr. Model and some printed stuff, the interior was decorated ([photos 21 to 24](#)). The doors were also opened to be able to see everything properly.

THE FINAL WORK

The kit also includes an engine block which is visible behind the engine cover. I added some spark plug wires to this but otherwise did not pay too much attention to it ([photo 25](#)). The chassis was painted matt black and the engine details touched in. This was given a colour-wash with Tamiya Panel Line Accent Color to create some

depth in all grooves. Now I came to the next problem; the windows, especially the side windows. I didn't like them as they have a metal border around them, but luckily I still had extra windows from another T1 kit. But, I soon found out that they don't fit, so in the end I used the original windows from the kit. Here you have the option to use the ventilation windows open or closed. I used a mixture of both.

A very nice addition to the kit are the well-known safari windows at the front and here too, you can choose open or closed. The edges of all windows were painted black and the metal edges finished with a Molotov Chrome marker pen. Then everything was glued together and the dashboard and steering wheel also fitted in the front panel. The windows were installed and the front panel given its body-colour dashboard ([Photo 28](#)).

The Fuchs wheels were also painted in the body colour and the overlapping parts were tapped with chrome paint for a polished look. The roof rack was treated with chrome from the Molotov pen and the wooden planks were painted in the same way as the interior cabinets. Finally, the hood on the roof was painted and assembled. Here too you can choose to fold it out or to mount it closed. ▶



Mini Review...



TAMIYA MINI 4WD TOOLS SIDE CUTTERS + SCREWDRIVER (74158)
www.tamiya.com www.hobbyco.net

This budget-priced pack is aimed at the Mini4WD crowd, providing sidecutters and a crosshead screwdriver for basic assembly tasks when building one of the wonderful AA battery-powered track racers. The set also makes an excellent starter pack for modellers getting going in the hobby too, the 'cutters being of high enough quality to neatly cut scale model parts.





FULL-BUILD: MODERN CIVILIAN VEHICLE

REVELL 1:24 VW T1 CAMPER ● KIT NO.07674

CONCLUSION

Now that the model is finished, I am very happy to add a T1 bus to my growing collection. I had a lot of fun with this kit and personally, I think this is the nicest version of the series of vans that Revell has released. The basis derives from the first release and something extra has been added every time.

Many parts in this kit will not be needed but they will come in handy for your next van. The fit leaves something to be desired, but as long as you glue the doors in the open position, this is hardly noticeable and you can also admire the detailed interior. Revell has planned another version for 2021, so I can't wait to build this one too! Hopefully Revell will learn from the packaging error. ●

TECHSPEC...

REVELL 1:24 VW T1 CAMPER KIT NO.07674

Materials:

Injection-moulded polystyrene, soft vinyl tyres, waterslide decals

Paints used:

- Zero Paints: VW Sand Green, Panama Beige, Creme White
- Gravity Colors: 2K clear coat
- Vallejo Acrylics: Light Brown
- Tamiya Acrylics: Red Brown

Accessories used:

Fujimi: Porsche Fuchs wheels from a kit

Availability:

- Revell models are widely available from good model shops and online. www.revell.de/en
- Zero Paints are available online from; www.hiroboy.com



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FULL-BUILD: COLD WAR AVIATION

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II ● KIT NO.61121

OLD NICK 201: THAT'S THE S

Spencer Pollard takes a detailed look at the brand-new 1:48 McDonnell Douglas F-4B Phantom II from Tamiya

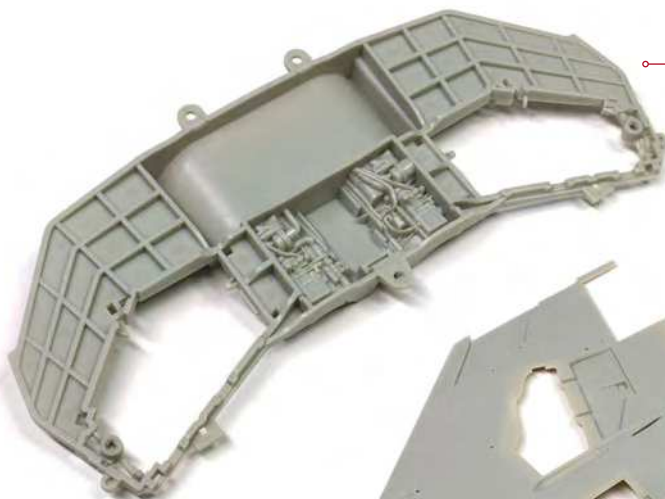


PIRIT!



You might be forgiven for thinking that the world is hardly crying out for another F-4 kit and I have some sympathy with that viewpoint. Tamiya though, evidently feel that now is the time to set their stall out with what looks to the first in a family of Phantom variants and as you might imagine, they have done so in some style. Highly detailed, moulded with a degree of finesse that almost impossible to take in, Tamiya's latest box of tricks may well be the last word on this aircraft in this scale; well, for now at least. But let's not get ahead of ourselves. What can you expect from this kit when it finally lands on your local model shop shelves, some time in June of this year?

If you built Tamiya's F-14, you will be somewhat prepared for what you will find in their Phantom box. Moulded in their now family pale grey plastic, the contents offer a superb collection of parts that combine to create a wonderful model of this classic Cold-War jet, in a way that makes this albeit expensive package, little more than a beginner's kit in terms of complexity and assembly, if not painting and decalling, as we will see as this extended appraisal, progresses. Sure, there are lots of parts in evidence, but the way that the aircraft is broken down and the tolerance between this individual components, makes assembly child's play. But then, it's a Tamiya kit; when is that ever not the case? ●



Assembly began with some of the large parts. Here is the central wing spar onto which are assembled the main gear bays. This part stiffens the wing and when combined with the fuselage, creates a strong, stable airframe

The lower wing panel is a large and complex moulding. Surface detail is superb



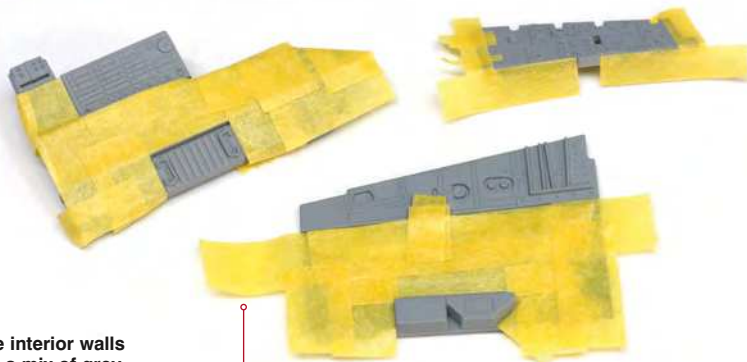
All of the holes for items such as pylons and antennae are flashed over, so need to be opened up for use. The instructions are explicit here, so their guidance can be followed to the letter



The odd fuselage breakdown allows multiple variants to be created without having to tool entirely new parts. The separate nose allows for the inclusion of a navy refuelling probe set-up



The interior walls are a mix of grey and black, so some masking is in order...



...As is it around the rear cockpit. Though you can hand-paint these areas. I find that masking and airbrushing creates a neater finish



The inside of the jet pipes are a pale green colour, here, replicated with Tamiya XF-71 Cockpit Green. These parts are identical in the kit, the mounting rods seen on the left-hand part being removed from the other half prior to use. Simple and elegant

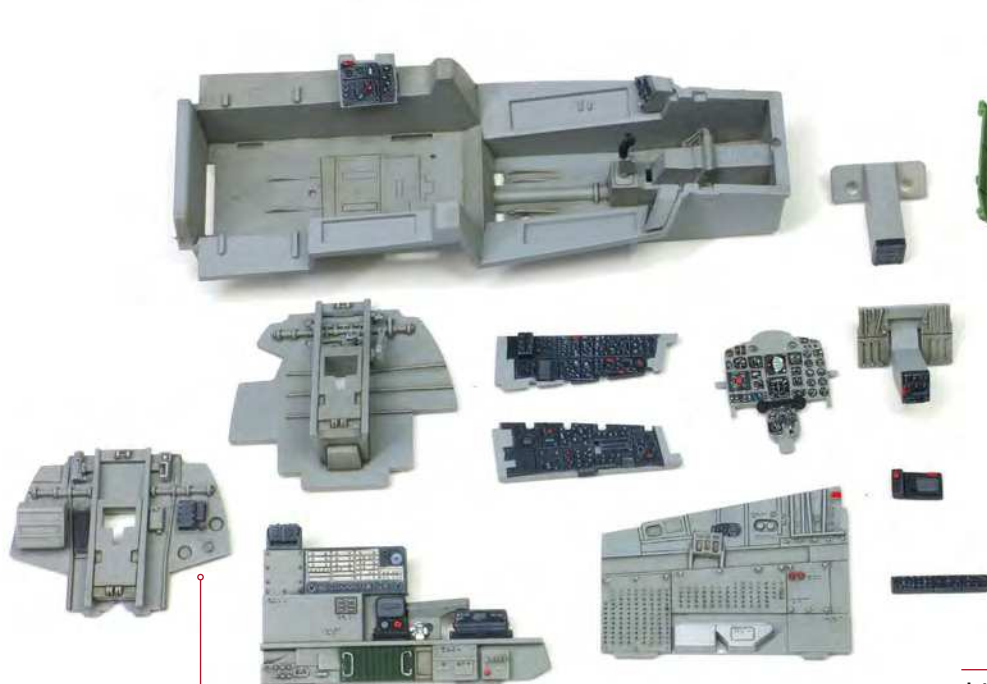
Once assembled, the cockpit interior parts were base-coated with Tamiya XF-19 Sky Grey

The engine fan and afterburner details were fun to paint, Tamiya's LP range of metallics being particularly useful during this step

With their base-coats dry, the cockpit bulkheads were weathered with a thin wash, mixed from raw umber oil paint and Humbrol Flat Black, thinned with a 50/50 mix of white spirit and Humbrol enamel thinners

The same 'wash' was used around the rear cockpit 'walls'. Note the details, accentuated with the sprayed layers seen earlier and hand-painted details finished with enamels

The side consoles and instrument panel are beautifully detailed and repay careful painting. Instrument decals, supplied in the kit, help to decorate the dials, Mr. Mark Softer being used to help the decal set down over the fine detail. Note the detail on the consoles, accentuated in this case using drybrushed layers of Humbrol Blue Grey, lightened with Titanium White oil paint.



The completely painted cockpit interior, ready for installation



As with the interior of the cockpit, the detail inside the jet pipes was accentuated with washes — a waste of time as it turned out, as almost none of this could be seen within the completed model!

Jet pipes, assembled, ready for use!



❶ FIRST IMPRESSIONS

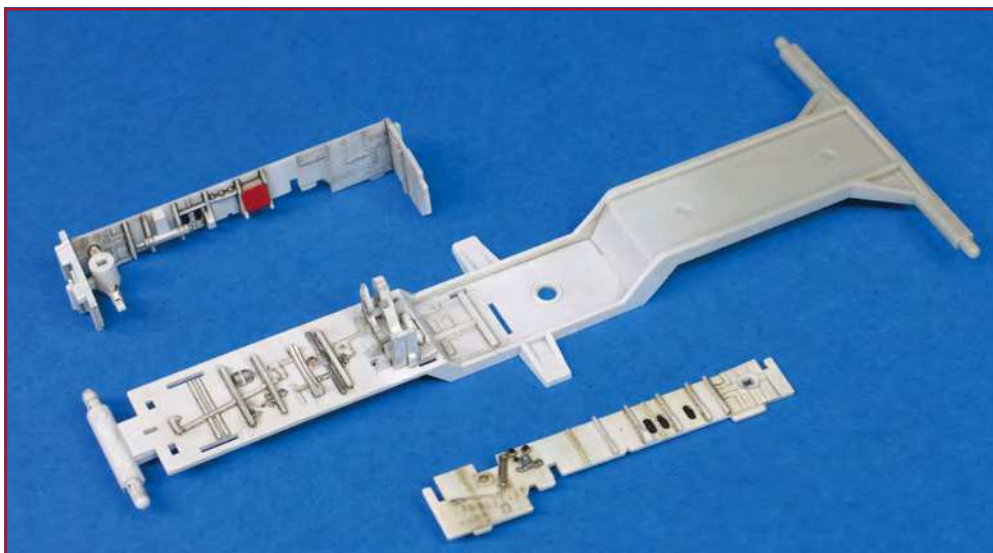
Breakdown is conventional in the main, with very little that feels overly ground-breaking. Indeed, having built many of the recently-released Phantom kits, much seems very familiar, with items such as a separate spine panel, one-part lower wings, separate wing tips and a complex, drop-in area around the jet-pipes, all being seen before. But dig deeper and you will find ideas that look familiar, but are a twist on that seen elsewhere...

One of those concerns the way that the folded outer wings are dealt with. In recent kits, they've been replicated thanks to small 'hinges' that slot into the inner and outer wings. This has caused a compromise of sorts in that the breaks across the joint tend to fall on the piano hinges and that causes them to look to be separate parts, rather than intermeshed features. Here, Tamiya offer large plates that include complete hinges, those plates being extended around 15mm either side of the joints to fall on natural panel lines. Not only is that important detail preserved, the joints are super-strong, irrespective of outer wing position.

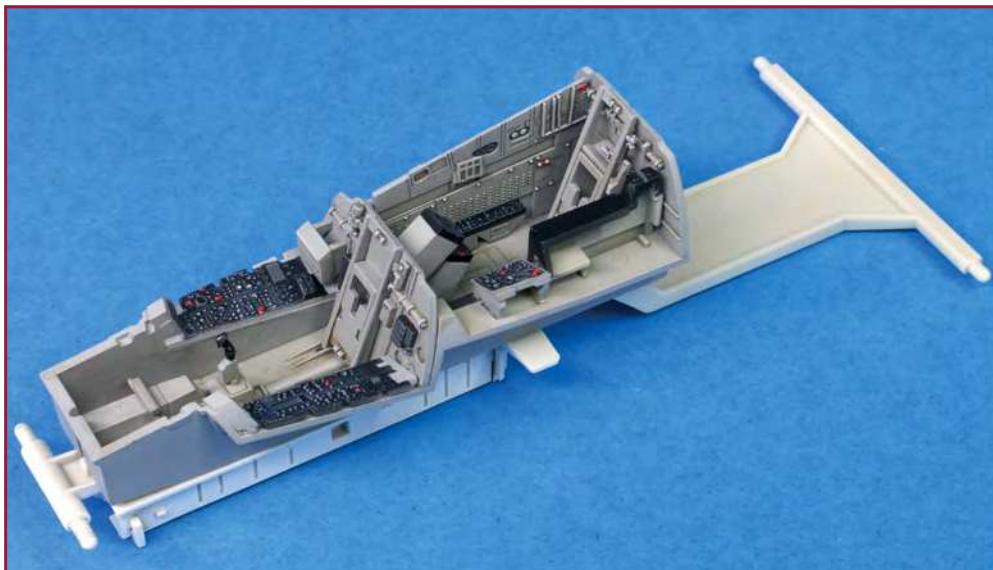
Idea number two, concerns the creation of the fuselage. Tamiya obviously have a US Air Force variant in mind, because of the way that they have split the fuselage, or rather, the way that they have split one half of the fuselage. Navy and airforce jets differ in the position of their refuelling probes/receptacles, the Navy using the probe under the cockpit, the Air Force the receptacle on the spine. This is dealt with here thanks to the use of a variant-specific panel over the spine and then a separate nose that is broken from behind the cockpit to the radome that takes care of the probe bay that sits to starboard the side of the rear cockpit. This means that Tamiya can now create variants at will, without having to tool an entirely new fuselage, all of the smaller panel changes being taken care of with smaller inserts. And then for any Air Force variants such as the F-4C, a new spine panel. ❷



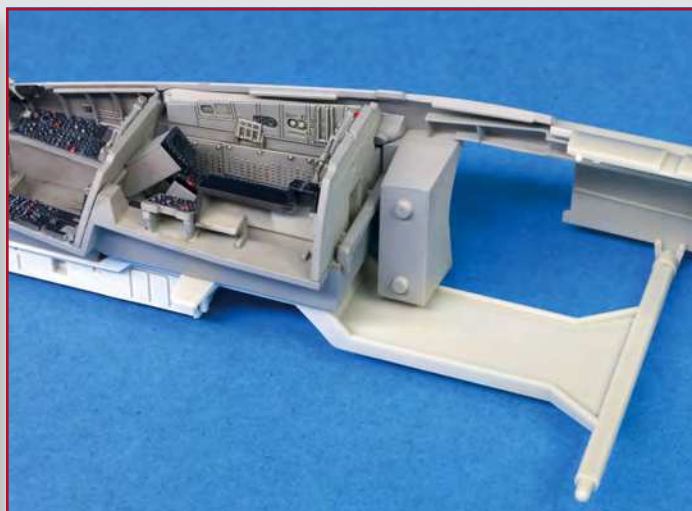
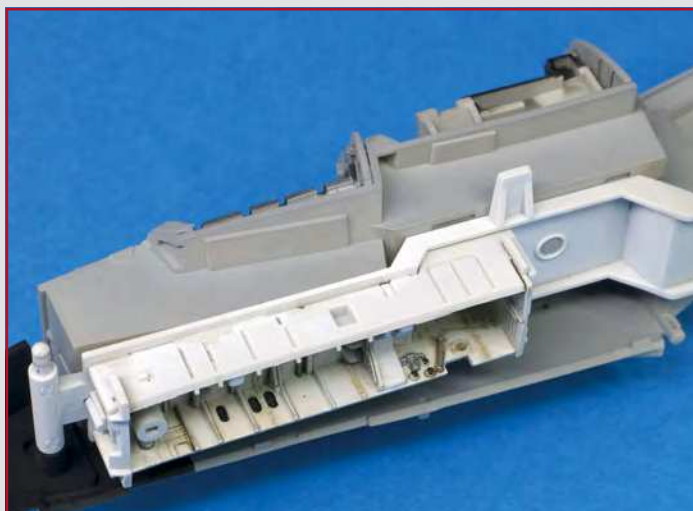
The major cockpit components have been brought together, Tamiya Extra Thin Cement being used to hold the parts in place



The nose gear bay is a flat-pack design that can be painted whilst the parts are separate, weathered and then brought together. The finish is little more than Tamiya XF-2 Flat White degraded with a very thin wash of raw umber. Details were picked out with Humbrol enamels



The cockpit has been mounted onto the gear bay, the latter forming part of an extended plate that both holds everything in place within the fuselage, but also acts as a spacer to ensure perfect alignment



Above left: The completed gear bay is well-detailed, clever design aiding in the location of the undercarriage leg, further down the line
 Above right: In this shot you can see some of the ideas that Tamiya have incorporated into the kit's design to aid in assembly and alignment. These include that large box-like structure that mates with a similar one of the other fuselage half to create a super-strong joint. Also, there's the mounting beam that form part of the undercarriage and cockpit sub-assembly that both holds it in place, as well as ensuring that the fuselage halves don't compress once joined to the wings. The cockpit will hold in place without glue

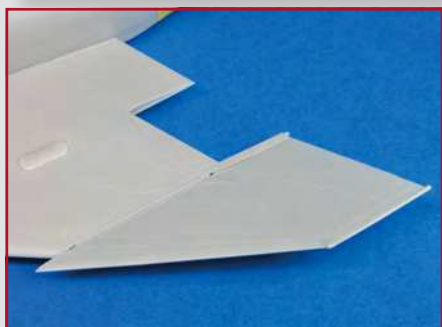


Jet pipe subassembly, now in place. Note the use of another mounting beam to the front of this part and how securely it holds everything where it needs to be

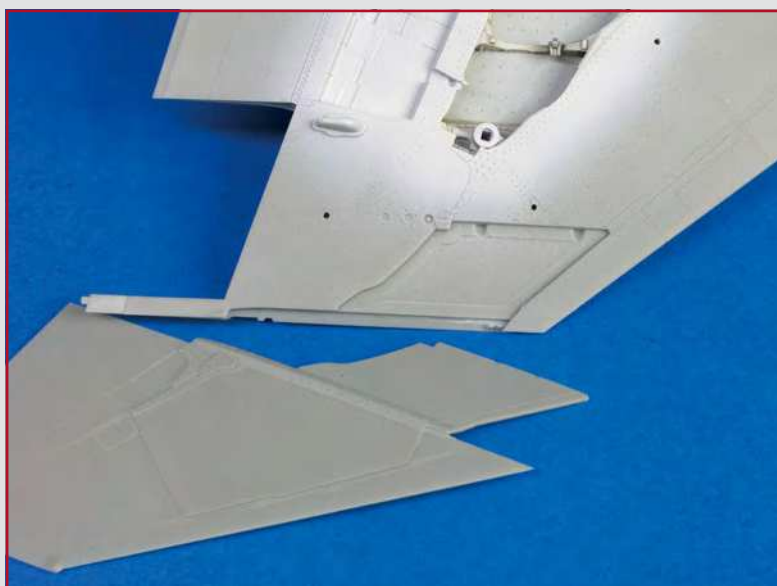
The detail that sits under the pressure-relief and cooling doors either side of the centreline tank is superbly executed. Colour here is overall metal to reflect the construction of the engines that this detail represents



The kit offers the choice of folded outer wings...



...or ones that are in their spread position



You can see here one of the large plates (in this case for the spread outer wing) that both hold the outer wing panels in place, but also ensures that the piano hinge detail is fully maintained. As the part fits along natural panel lines, it simply looks to be part of the main wing structure, once in place

❶ Idea three deals with the fin and its need to replicate variant-specific features. Again, this part will allow different sub-types to be replicated, thanks to a separate fin cap, but also the extraordinarily effective way that Tamiya has got to grips with the ram air inlet at the base of the fin. Appearing in different patterns across the service life of the Phantom, Tamiya has included two different intakes, one on each of the fin halves. In order to be correct for the variant modelled, you simply cut off the one that is not needed and then glue the halves together. Result? Multiple variants with no need for an additional part, or reworked fin halves. Genius!

The final idea concerns the cockpit canopies and windscreen. Taking the latter first, we've seen how Tamiya like to include part of the upper nose as part of the windscreen in their kits, that being done in the F-14 kit, so it is perhaps not a surprise to see it being once again used here. What is not so familiar, is the way that they have dealt with the three-part clamshell canopies.

You have options in the kit to have the canopies closed or open, the former thanks to a full-length part, the latter, possible through the use of three glazed components. In both cases, the upper surface of the canopies will need to be smoothed over to remove an almost imperceptible seam line that allows the blown shape of the glazing to be replicated. Though I really don't enjoy this task, it was made easy thanks to the delicacy of the line and the use of Micro-Mesh polishing sponges, all of ten minutes being needed to complete the job. Having done that, you can admire the way that Tamiya deal with the open canopies.

In almost every other Phantom kit I can think of, the canopies are joined to the central part of the canopy and the rear hump on the fuselage spine, with nothing more than the delicate hinges that interlock into slots in each fixed piece. Here, the job is made easier because not only do Tamiya supply large hinged plates that are glued between each of the fixed sections and the

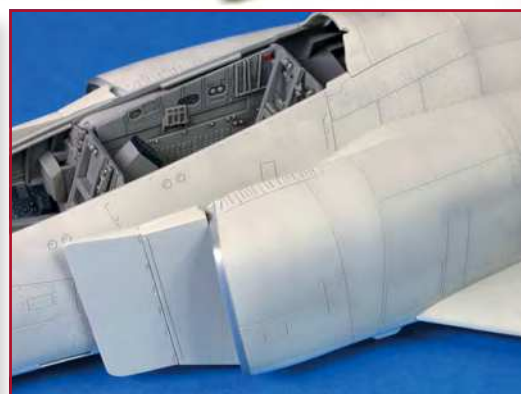


Thanks to their fit, the intakes can be assembled and almost fully painted before fitting them in place. Here that has been done, albeit with a different paint that was, as the project progressed, replaced with something else...

The intake tunnels are full length. Though split in half, the seams within each one are almost invisible within the completed model. Interior colour here is once again, XF-2 Flat White



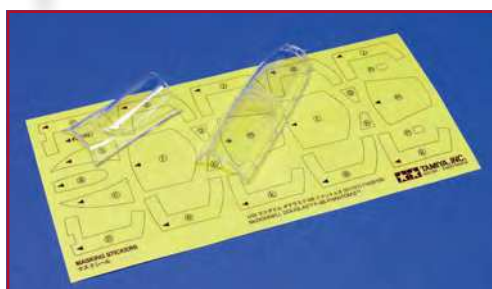
As with their F-14 Tomcat, Tamiya has incorporated a large portion of the upper nose as part of the windscreen to ensure a perfectly smooth joint. Here it is being test-fitted on top of the nose



The intakes in place. Note the fit and how smooth the lines are here. Though the model looks to be painted in this shot, issues with the paint when it came to decalling forced a repaint of the model and the use of paints from Gunze Sangyo rather than the Tamiya colours used here



The tailplanes are moulded in one piece, needing only to be painted prior to use. A mixture of Tamiya LP metallics and Mr. Hobby acrylics and lacquers were used to advantage here: Mr Hobby H316 FS17875 White for the tailplanes, C327 FS11136 Red for the trim and then Tamiya LP-11 Silver, Mr Color SM203 Super Iron 2 and MC214 Dark Iron for the darker panels. The jet pipes were painted in the latter and then buffed to create a very realistic, burnt metal finish



The kit supplies masks for the canopies and windscreen, the longer, single-part, closed canopy being seen in this shot

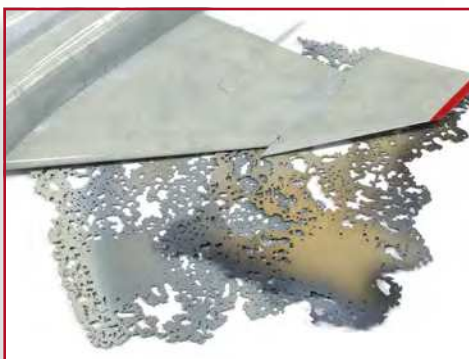


As with all Tamiya kits that contain masks, each one needs to be carefully cut out, a very simple job when using a sharp scalpel blade and steel ruler

After being unable to gloss the LP paints that I had originally used, the model was stripped and then repainted with Mr Hobby H315 (FS16440) Light Gull Gray over the upper surfaces and H316 (FS17875) White for the undersides. The red trim was the same Mr Hobby C327 (FS11136) Red that was used for the tailplanes



Though it looks to be fixed in place in this shot, the fin was kept separate for final painting and decalling. In fact, it is still not glued on to the completed model, the friction between it and the large tab that forms part of the upper fuselage, being enough to hold it in place



Above left: Having degraded the basic Gull Gray/White finish, everything was sprayed with several layers of Mr Hobby GX Gloss Clear in readiness for the decals

Above right: As with previous models, a faded and worn finish was achieved by using FX Texture Templates from The Airbrush Company. Very thin layers of lighter and darker shades were carefully sprayed through to templates, each being continuously moved to create the haphazard effect seen here



The basic colours used to paint the model. Both of these colours were thinned around 50/50 with Mr. Hobby Leveling Thinner and sprayed on using an Iwata HP-CH airbrush at around 25psi

Revell

Build Your Dream!

LEVEL 3

FAST & FURIOUS

07691 Brian's 1995 Mitsubishi Eclipse (F&F), 1:25

LEVEL 4

FAST & FURIOUS

07692 Dominic's 1971 Plymouth GTX (F&F), 1:24

LEVEL 5

FAST & FURIOUS

07693 Dominic's 1970 Dodge Charger (F&F), 1:25

LEVEL 5

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07694 1969 Chevy Camaro Yenko (F&F), 1:25

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FULL-BUILD: GOLD WAR AVIATION

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II ● KIT NO.61121



The model has been completely decalced and then everything sealed in with several thin layers of GS GX Flat Clear. Though the model looked attractive at this point and needed little more than a wash around the panel lines to complete, a decision was made to push things just a little further...

canopies, those fixed items are separate, thus allowing the completed sub-assembly to be glued in place, in one go. The images show this in action, a simple picture being more succinct than my rather convoluted explanation! It's a novel way to create strength, but also elegant enough that you don't notice the slightly bulkier hinges.

DETAILS, DETAILS...

As you might imagine, detail is superb, both in terms of finer features and that represents the aircraft's panels and other constructional elements.

We begin with the cockpit. Here, the layout of the 'Bravo' model is well replicated, the rather Heath Robinson look of the real aircraft being present and correct. Highlights include the instrument panels and side consoles, paint and decals combining to create highly detailed features that will look great to anyone keen to take a peep inside the completed cockpit.

The rear cockpit is perhaps the highlight, the layout of this navalised variant being almost perfect with its recognisable lack of side consoles and in this case, two different instrument panels that define – presumably – early and late, 'Bravo' jets. Similar comments apply to the Martin Baker Mk.7 ejection seats, these being some of the most detailed I've seen in this scale. No straps I am afraid, at least not in terms of solid features, these being supplied as in previous Tamiya aircraft kits, as decals that work to a fashion.

For this build, I gave them a go, but really didn't like the results, so reverted back to my initial plan and used the excellent pilot and RIO (Radar Intercept Officer) figures. These are really lovely little additions, looking superb once painted and decalced, especially



The 'Sundowners' distinctive tail markings were far from easy to apply, the complex nature of the design, the single-part decals and the need to have them settle down over a lot of detail adding to the complexity of the task. Having managed to get the decals in place on both sides of the fin, considerable time was spent touching up the areas of decal where they hadn't joined properly. This was particularly so with the red stripes, Mr Hobby C327 (FS11136) Red being a perfect match for the colour used by Tamiya on their decal sheet. Once happy with the corrections, the whole fin was sealed-in with a layer of Mr Hobby GX Flat Clear



The setting solutions used to settle the decals down over the surface detail on this model, especially those applied to the tail fin



The two GX Clear coats that were used for the model: Clear Gloss prior to decalling, Clear Flat to seal everything in. Both were airbrushed on having been thinned with around 60% Mr. Hobby Rapid Thinner



The kit's ejection seats and figures are superb and both repay careful assembly and painting. Though I had considered building the seats and using the included decals for the straps, I wasn't really happy with how they looked, so decided to add the figures as well. The crew are superb once painted, each adding not only life to the model, but also a wonderful splash of further colour thanks to those gloss yellow helmets, decorated with 'Sundowners' markings



FULL-BUILD: GOLD WAR AVIATION

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II ● KIT NO.61121

Once you've applied the tiny markings to their helmets that define each of the three possible squadrons featured on the decal sheet.

As hinted at earlier, the surface detail continues on from that seen in previous kits such as the F-14 and P-38. Delicately incised lines replicate the most obvious panels and where needed, you'll find equally unobtrusive rivets and other surface features. Unlike the large-scale 1:32 kit, this one has not fallen foul of being based on a restored aircraft complete with non-prototypical repair patches, so fear not; they are noticeable by their absence. I mentioned earlier that separate panels are used to differentiate specific variants, so you will also be pleased to know that they fit perfectly, the merest hint of liquid cement being needed to create panels that look as if they are part of the fuselage halves, rather than individual components. Indeed, that's a feature across the board; the fit is simply flawless...

COLOURS AND MARKINGS

Being an F-4B, the colour schemes are all the same, gloss Light Gull Grey over Gloss Insignia White, only the markings being different. The choices are as follows:

- F-4B Phantom II, VF-51 "Screaming Eagles", Wing Commander's aircraft, USS Coral Sea, May 6th 1972. The CAG aircraft for VF-51, the markings include the distinctive unit marking on the rear fuselage nicknamed "The Supersonic Can Opener". This aircraft features a



Though the kit includes a complete suite of missiles, AIM-7 Sparrow and AIM-9 Sidewinder, as well as centreline and wing tanks, I chose a lighter load, which is more in keeping with other models that I've completed recently. Here, you can see the tanks, as well as two AIM-9G/H Sidewinders. All have been painted and weathered to match the finish on the rest of the model, stencilling decals adding that final layer of detail



As mentioned earlier, the jet pipes were painted with GX Mr. Metal Color Dark Iron and then polished with a soft cloth. The resulting finish is incredibly realistic!



Materials used to paint the tailplane's metallic surfaces. The Tamiya X-19 Smoke was sprayed onto the metal through an FX Texture template to create the illusion of tarnished use



Here you can see the basic cockpit assembly in place within the nose of the model. Even at this stage, the detail looks complex, something that was further improved and completed with the addition of the seats, crew and finally, sill detail



Mr. Color C327 FS11136 Red was used to touch up areas of the fin where the decals hadn't quite met. The match with the colour used by Tamiya on their decal sheet, is almost perfect



Having colour-washed all of the panel lines with a thin layer of raw umber oil paint and Humbrol Blue Grey 27 (thinned with a 50/50 solution of white spirit and Humbrol enamel thinners) further 'dirt' could be added. This was recreated using neat oil paints: raw umber, titanium white and Payne's grey. Various shades were mixed and then almost drybrushed on, picking areas that seemed apparent in my reference shots. The trick here is to be as random as possible and not cover the model with dirt - less is definitely more!



Panels were further accentuated with Tamiya Smoke, thin layers being sprayed over masked panels until the finish looked nice and busy



Here is the tail after some of the panels had been masked and then sprayed with Smoke. Subtle, eh?

full set of stencils, as well as the individual unit markings and national insignia.

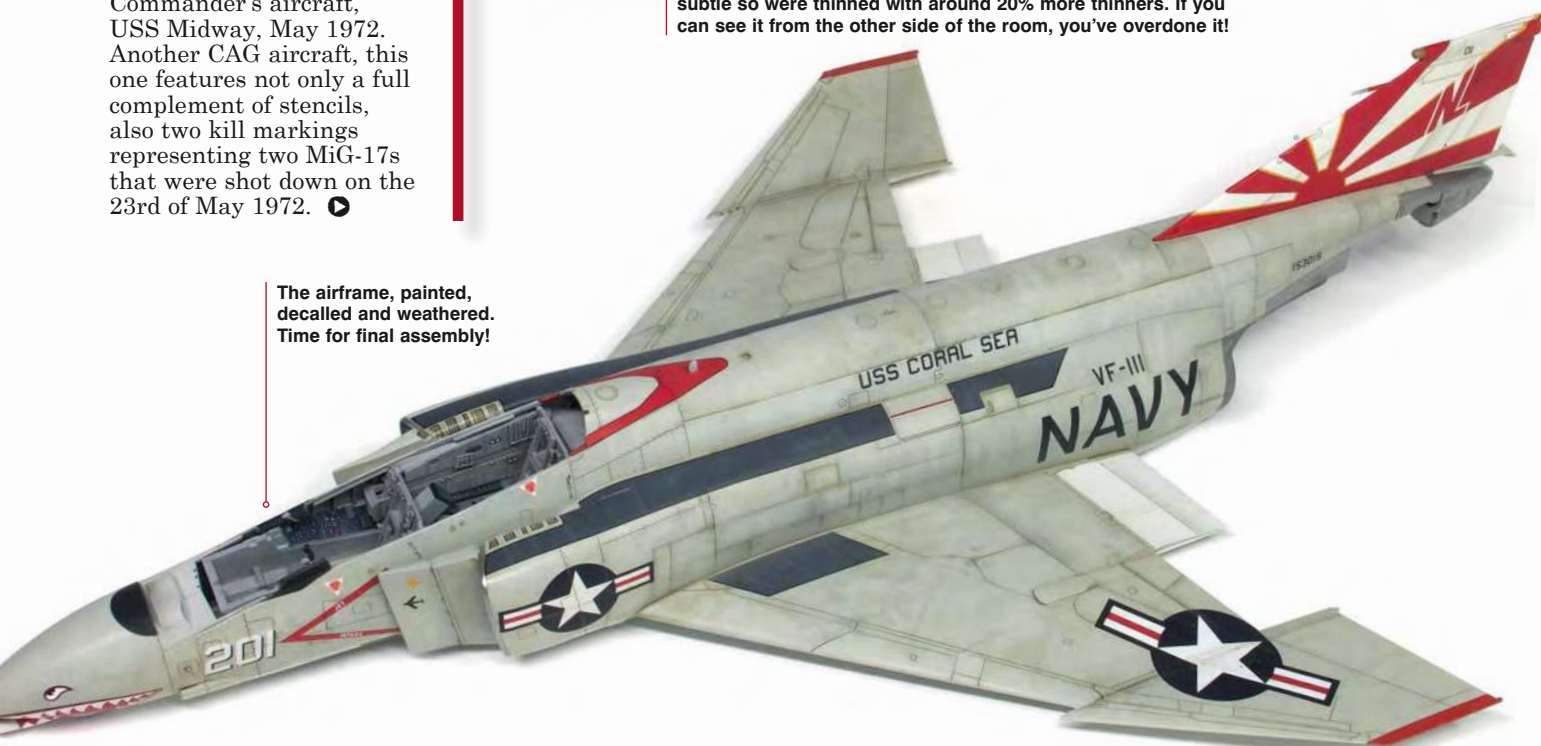
- F-4B Phantom II, VF-111 "Sundowners", Squadron Leader's aircraft, NAS Miramar, August 1972. This option replicates Lt. Gary Weigland and Lt. Bill Freckleton's aircraft 153019/NL, call-sign "Old Nick 201" after it was repainted after deployment to Vietnam. As such, it features only minimal stencils, a fact that is highlighted within the instructions.
- F-4B Phantom II, VF-161 "Chargers", Wing Commander's aircraft, USS Midway, May 1972. Another CAG aircraft, this one features not only a full complement of stencils, also two kill markings representing two MiG-17s that were shot down on the 23rd of May 1972. ▶



The exterior colours have been airbrushed onto the windscreen and then the central panel masked on the inside of the part and sprayed with Tamiya Clear Blue



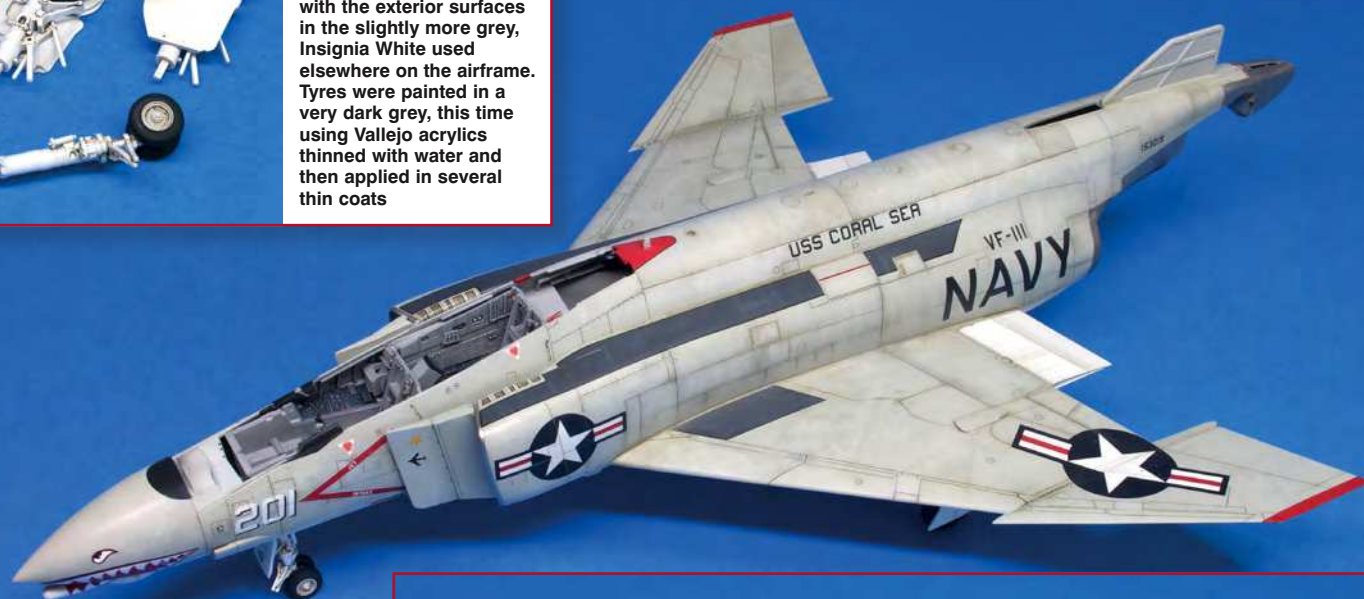
Over the white undersides, the colour-washes need to be more subtle so were thinned with around 20% more thinners. If you can see it from the other side of the room, you've overdone it!



The airframe, painted, decalced and weathered. Time for final assembly!



The undercarriage is superbly detailed and very easy to assemble. The legs and door interiors were finished in flat white, with the exterior surfaces in the slightly more grey, Insignia White used elsewhere on the airframe. Tyres were painted in a very dark grey, this time using Vallejo acrylics thinned with water and then applied in several thin coats



With the undercarriage in place, the model can finally sit on its wheels and begin to give us an impression of how the model will look once finished. Note that no nose weight was needed in this model, the Phantom being nowhere near a tail-sitter



- ❶ The decal sheet is amazingly comprehensive, all of the major unit markings, national insignia and those stencils, being present and correct. It was pleasing to see that the sheet included anti-glare trim and that many of the small stencils were combined to create larger designs that were less time-consuming to apply that individual markings. If I was to be critical, it would concern the black striping that adorns the VF-161 jet. These feature the multicoloured 'USS Midway' titles, so you are almost forced to use the complete decal.

Personally, I would have preferred to see those titles as marking in their own right so that I could mask and paint both anti-glare panel, cockpit trim, stripes and tail fin all in one go, to produce a consistent finish. I would still like to replicate that very famous 'MiG Killer' from this kit, so maybe next time I will see if that approach is possible, even with the decals as supplied... ❷



There really isn't anything fancy or ground-breaking about this undercarriage leg, or the way that it joins with the gear bay; just a simple peg and socket joint keeping it perfectly in place with little more than a drop of Tamiya Extra Thin Liquid Cement. Note that the airbrake is also in place and that its inner face has been painted in red

The nose gear is similarly simple to install, as are the bay doors, large tab and socket joints ensuring strength and perfect alignment





The tailplane is in place, along with the now assembled and painted jet pipes. The design of the mount for the tailplane allows for it to pivot, so you can position it as you see fit, poly caps and fishplates holding it in place at your chosen angle



The undersides are now complete, the tanks and inner pylons having now been glued in place



Though the US Navy often flew their Phantoms without the 370 US Gal tanks, I decided to use them under this model, having completed two previous builds without them. Note the weathering in this shot, both on the white tank, as well as the Gull Gray upper surface camouflage



The instrument coaming and sill are both separate parts that can be painted and then installed. These were painted with Tamiya LP-5 Semi Gloss Black, colour-washed with Humbrol 29 Dark Earth to add some dust and dirt and then drybrushed with Humbrol 33 Flat Black. A little rub-over with graphite powder added a final touch of realism



As mentioned in the introduction, the kit features large hinges that allow the open canopies to be fixed to the airframe structures before everything is glued in place. Not only does this create a stronger joint, it also allows the job to be completed with little risk of damage to the glazing or paintwork from stray adhesive. In this shot, the red trim has yet to be added to the central frame

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FULL-BUILD: GOLD WAR AVIATION

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II ● KIT NO.61121

FINAL VERDICT

This is a superb new kit from Tamiya that will delight fans of this iconic aircraft. In choosing to replicate the Bravo variant, they have opened up the possibility for plenty of Vietnam-era squadrons and schemes, will no doubt further heighten its appeal. As mentioned in my introduction, there is little within the kit that is earth shattering, but enough that you can feel that this is Tamiya once again flexing

their not inconsiderable muscles to create a kit that is completely user friendly, whilst at the same time having not compromised over anything of note. But more than that, it is a wonderfully fulfilling project that results in a stunning replica of this aircraft and when those two factors combine in any kit, you know that you are on to a winner. Is it the best Phantom kit currently on the market? I'll leave you to be the judge of that, but having built all of its major

competitors, I can only conclude that it is. When it arrives in June, it will be interesting to see how

many other people share that belief. I can't wait! Absolutely superb and highly recommended! ●

TECHSPEC...

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II KIT NO.61121

Materials:

Injection-moulded polystyrene, canopy masks, waterslide decals

Paints used:

- Mr Hobby: H316 (FS17875) White, H315 (FS16440) Light Gull Gray, C327 (FS11136)
- Mr Color: Red, SM203 Super Iron 2, MC214 Dark Iron, GX Gloss Clear, GX Flat Clear
- Tamiya Lacquer Paints: LP-11 Silver, LP-5 Semi Gloss Black
- Tamiya Acrylic Paints: XF-71 Cockpit Green, XF-19 Sky Grey, XF-2 Flat White
- Humbrol Enamel: 33 Matt Black, 79 Blue Grey, 29 Dark Earth

Equipment and materials used:

Iwata HP-CH airbrush, FX Texture templates, Tamiya Extra Thin Liquid Cement

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
- Mr Color products are imported and distributed in the UK by Albion Hobbies www.albionhobbies.com
- Iwata, FX Texture templates: www.airbrushes.com





Seats and crew in place, it only remains to fix the windscreen and canopy in place and this model is complete!



FULL-BUILD: COLD WAR AVIATION

TAMIYA 1:48 MCDONNELL DOUGLAS F-4B PHANTOM II ● KIT NO.61121



“Is it the best Phantom kit currently on the market? I’ll leave you to be the judge of that, but having built all of its major competitors, I can only conclude that it is...”



Mustang Mk.IV

eduard

1/48

ProfiPACK
edition



Mk.IVa KH680 (P-51K-1-NT; 44-11383), P/O John Mallandaine,
No. 442 Sqn RCAF, Hunsdon, England, April 1945



Mk.IVa KM232 (P-51K-10-NT; 44-12355), W/Cdr James E. Storrar,
Hunsdon Wing CO, Digby, England, April 1945



Mk.IV KH655 (P-51D-5-NT; 44-11182), F/O Edward R. Davies,
No. 19 Sqn, Peterhead, England, April 1945



Mk.IVa KH716 (P-51K-1-NT; 44-11483), S/Ldr Murray P. Nash,
No. 3 Sqn RAAF, Fano, Italy, January 1945



Mk.IVa KH852 (P-51K-5-NT; 44-11840), No. 112 Sqn,
Cervia, Italy, April 1945



Mk.IV KH663 (P-51D-5-NT; 44-11255), No. 303 (Polish) Sqn,
Wick, England, December 1945

New Releases

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

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EDUARD, CZECH REPUBLIC

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

This month, Eduard's own 1:48 Spitfire Mk.I gets the specialist treatment in the form of an entire engine with firewall, bearers, exhausts, cowlings and all the ancillaries cast in resin plus a photo-etched sheet that carries the cowlings frames, ignition harnesses and other parts. It's quite astonishing and will take some skill to build, but will look fantastic when complete. Eduard's line of 3D colour-printed instrument panels called 'SPACE' continues to expand and the products look great.



1:48 BRASSIN

- Spitfire Mk.I engine (648582) for Eduard
- Do-17Z-2 bomber guns (648609) for ICM
- Bf110G-4 Schräge Musik (648605) for Eduard

1:48 BRASSIN LÖÖK+

- F-14A w/late wheels (644084) for Tamiya
- Mi-24V Hind (644085) for Zvezda

1:32 BRASSIN

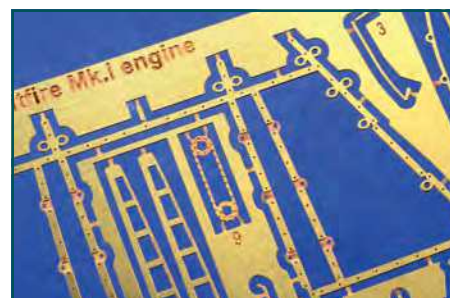
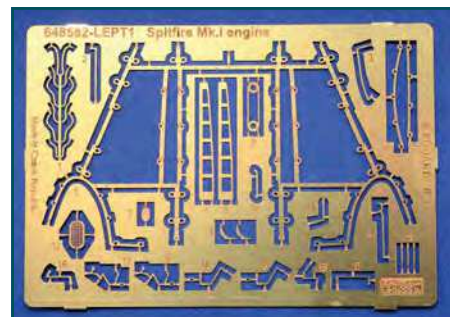
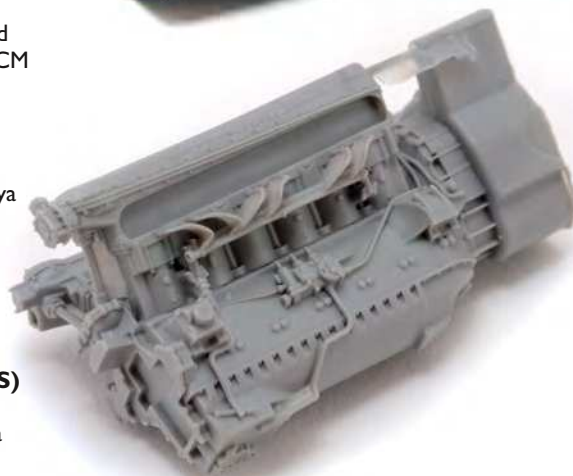
- Mk.20 Rockeye (632162)
- AGM-45 Shrike (632163)

1:48 SPACE (3D-PRINTED DECALS)

- Il-2 Sturmovik (3DL48008) for Zvezda
- P-38H Lightning (3DL48011) for Tamiya

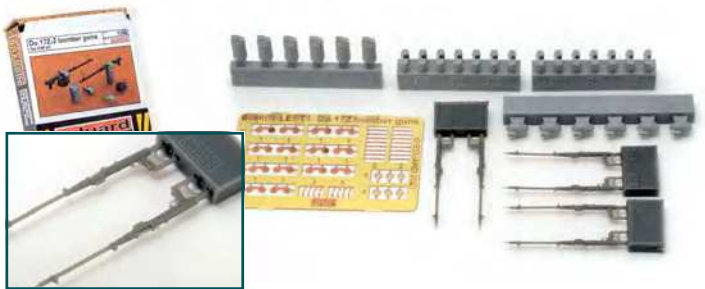
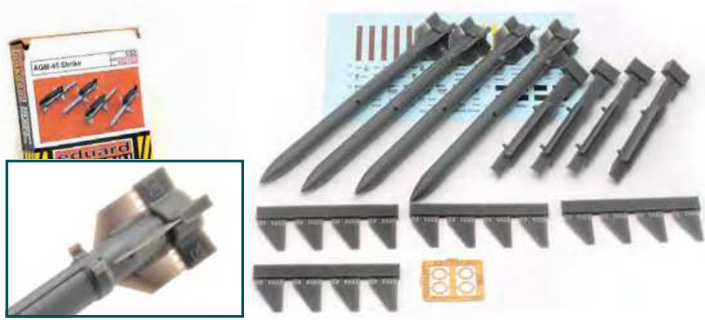
1:32 SPACE (3D-PRINTED DECALS)

- Tornado GR.4 (3DL32001) for Italeri



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...

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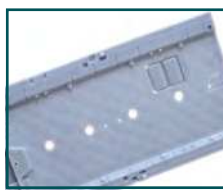
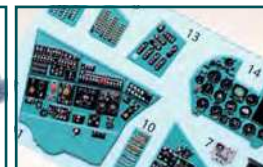
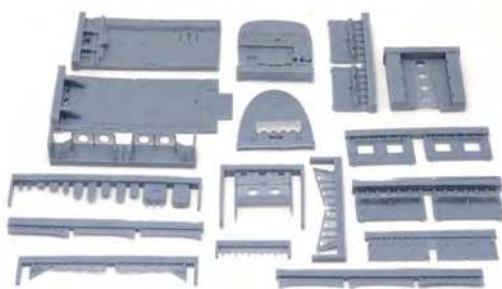
RESKIT, UKRAINE

www.reskit.com.ua

Reskit is a new company to TMMI but they already have a large range of upgrade and accessory sets on sale, including a series of sets for Zvezda's recent 1:48 Mi-24V Hind helicopter gunship. An entire new cockpit, cargo bay, main and tail rotor-heads and wheels, plus three weapons sets arrived at TMMI for review and they are absolutely fantastic. The resin parts are clearly computer-designed and the printed 3D items then used as masters for casting in resin. The detail is superb and with the inclusion of colour 3D printed instrument panels and consoles by Quinta Studio, the sets have the potential to look amazing.

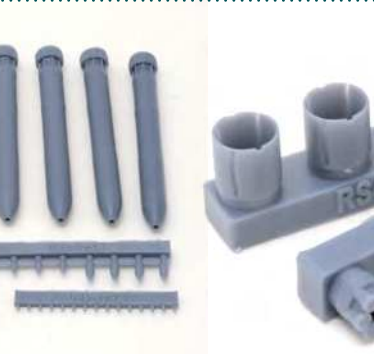
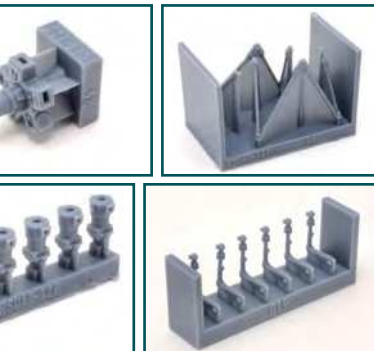
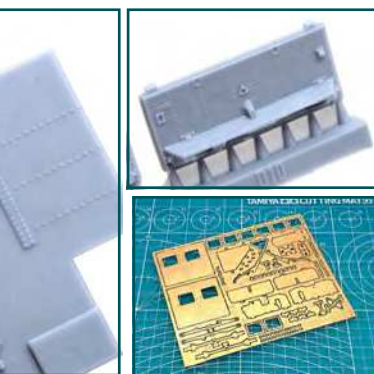
1:48 UP-GRADE SETS

- Mi-24V cockpit set with Quinta Studio 3D decals (RSU48-0118) for Zvezda
- Mi-24V cargo interior set (RSU48-0116) for Zvezda
- Mi-24V main rotor (RSU48-0127) for Zvezda
- Mi-24V tail rotor (RSU48-0126) for Zvezda
- Mi-24 wheels set (RSU48-0041) for Zvezda
- S-24 missile with APU-68 X4 (RSU48-0180) for Zvezda
- B8V20-A rocket launcher X4 (RSU48-0014) for Zvezda
- BD3-57KRV Mi-8/Mi-24 pylons X6 (RSU48-0153) for Zvezda



Accessories

PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL TRACK LINKS, H, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PCM; PRE-CUT MASKS, PMP; PRE-ASSEMBLED METAL



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

KAZAN MODEL DYNAMICS, CANADA

www.kazanmodeldynamics.com

Tamiya's 1:48 F-14A and F-14D Tomcats have gained a reputation for accuracy and ease of assembly and now you can boost their realism even further, albeit with a little surgery. The avionics bay set provides a number of open access housings that are crammed with internal equipment, plus their corresponding doors, all cast in resin with framing in photo-etched brass. The set has the potential to make the airframe look very busy indeed but it's not for the faint of heart, as you will be drilling and cutting into the fuselage in several places and this requires planning and precision. The instructions are very helpful though. Superb detail and flawless castings.

Kazan's second upgrade pack for the Tomcat is a complete set of replacement nose and main undercarriage with wheels/tyres. All parts have been superdetailed as you'd expect and worries about the resin sagging under the model's weight are mitigated by the presence of stout metal rods cast integrally, appearing as the oleo pistons.

1:48 UP-GRADE SETS

- F-14A/B/D avionics bays (KAZ48009TAM) for Tamiya
- Tomcat F-14A/B/D undercarriage (KAZ4814TAM) for Tamiya



SCALE MOTORSPORT, USA

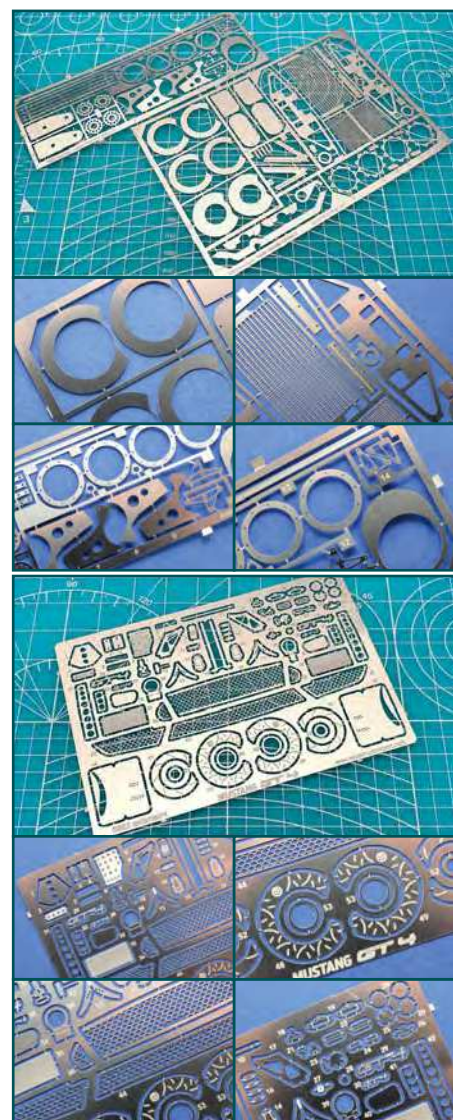
www.scalemotorsport.com

Tamiya's 2020 1:24 kit of the Ford Mustang GT4 has been given the Scale Motorsport up-detail treatment in the form of a very neat photo-etched fret packed with some well thought-out and beautifully executed metal components. Most crucially, the set provides intake grilles and these alone can transform the look of the model. Also provided are brake disc faces front and rear, rear wing struts and endplates, rollcage brackets, towing eye, foot rest, badges, dashboard improvements and all the buckles and adjusters for the five-point racing harness. The modeller must source the webbing for this, but the hardware is very handy.

Tamiya are soon to re-launch the sublime 1:24 Sauber-Mercedes C9 LeMans car and Scale Motorsport offer a double-fret detail set for it too. Here we have brake disc faces, radiator matrices, multi-layer rear crossmember, structural elements and more. All parts are very finely detailed and etched to perfection in nickel-steel.

1:24 PHOTO-ETCHED METAL UPGRADE SETS

- Sauber Mercedes C9 (8113) for Tamiya
- Mustang GT4 (8055) for Tamiya



MECHA PAINTS



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Mecha Paints is range from Zero Paints created to provide a range of pre-thinned airbrush paints for mecha, sci-fi and anime based modellers and kits. Our range is made up of some of the most iconic colours found from the most popular series out there such as Gundam, Macross/Robotech, Star Wars and Transformers.

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KINETIC MODELS, HONG KONG

F-104J F-104DJ 2 IN 1

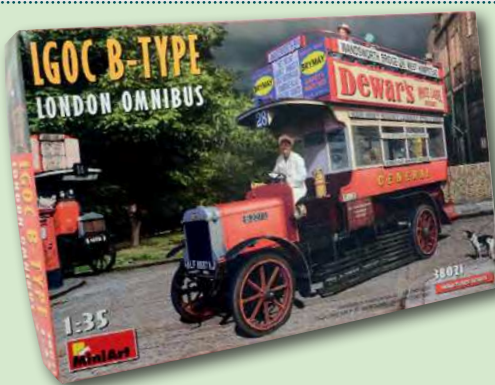
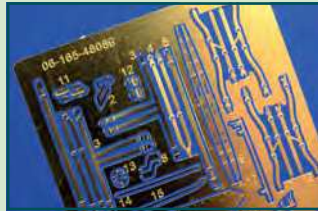
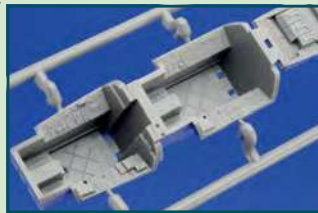
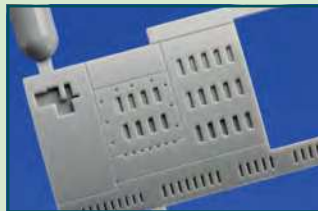
www.luckymodel.com

SCALE: 1:48 • MATERIALS: IM, PE, WS • ITEM NO.K48092

The Lockheed F-104J/DJ is a trainer variant derived from the iconic Starfighter which entered service in 1958 with the 83rd Fighter Interceptor Squadron. The F-104J was a specialised interceptor version of the F-104G for the Japanese ASDF, built under license by Mitsubishi for the air-superiority role; it was armed with cannon and four Sidewinder missiles but had no strike capability. A total of 210 were built, three by Lockheed, twenty-nine by Mitsubishi from Lockheed-sourced components and 178 by Mitsubishi. After being retired in Japan, the US delivered some of these F-104J/DJs to the air force of Taiwan. The F-104DJ This aircraft was a dual-control trainer version of the F-104J for the Japanese Air Self-Defence Force. (Some history edited from Wikipedia).

Kinetic's 2020-released kit certainly is an in-depth production. The box contains five large, packed sprues in grey polystyrene plus one in clear, a modest but useful photo-etched brass fret and a sheet of waterslide decals that provide markings to complete one of two options. In an overall experimental grey paint scheme, option No.1 is an F-104J of the 204th Tactical Fighter Squadron, Nyutabaru Air Base, 1982 and No.2 depicts a TF-104G (not a DJ?) also of the 204th Tactical Fighter Squadron as seen at a combat competition, 1983 sporting another experimental scheme of sand-grey/green/olive drab camouflage.

-  Superb detail everywhere, attractive markings options
-  Puzzling that the F-104J and TF-104G are offered, but no DJ



MINIART, UKRAINE

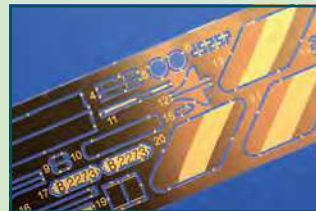
LGOC B-TYPE LONDON OMNIBUS

www.creativemodels.co.uk

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.38021

Back in TMMI Issue 302 we published an article on a superb build of MiniArt's militarised London Bus kit and reviewed here is the model it was based upon, launched originally in 2019. To say that this model is highly detailed would be a massive understatement; there is virtually no area that hasn't been treated to some level of superdetailing, from the chassis and engine right up to the passenger compartment up top. Flicking through the instruction booklet (all twenty-eight pages of it), one quickly realises this is a very involved project that will be impossible to rush, and why would you want to? It is a remarkable replica of this iconic public service vehicle that moved Londoners from place to place during the second decade of the 20th century and this reviewer's grandfather used to ride them regularly as a youngster. Construction starts with the engine, which is a multi-part sub-assembly that builds into a stunning replica of the real powerplant. The chassis is formed from rails and countless cross-members, to which are fitted the leaf-spring suspension, taking up the first sixteen stages of the instructions. It's complex, but marvellous. From there the real fun begins, when the passenger 'box' is construction. Pretty much everything will need painting before being mated to the adjoining parts, so some planning will be needed. This is a kit to savour and enjoy, the result being a stunning miniature of a London classic.

-  Wonderful subject choice, astonishing detail
-  A long-term build!



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



ZVEZDA, RUSSIA

SOVIET ATTACK AIRCRAFT IL-2 SHTURMOVIK

www.hobbyco.net

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.4825

Inarguably one of the most important aircraft of the Second World War, the Soviet Ilyushin Il-2 Shturmovik was a big, robust brute of an attack aircraft. It was powered by a 1,370hp Mikulin AM-35 V12 petrol engine with forward fuselage section built entirely of armour plate to shield the aircraft's powerplant, fuel system, radiators and crew. Around 36,000 Il-2s were to be made, making it the most produced military aircraft ever. Zvezda's new-tool kit of the single-seat variant was launched in 2020 to great acclaim and rightly so. The kit comes on four large sprues of mid-grey polystyrene plus one in clear and even from a brief look at the parts, the detail is quite astonishing. A beautifully detailed replica of the Mikulin V12 is provided, made up from twenty-two parts, although once the kit has been finished only the rocker covers remain visible, but a nice inclusion anyway. The wing builds up around a pair of semi-spars into which ribs are inserted, later forming the walls of the undercarriage and bomb bays, a very slick design element. The sparse cockpit of the real Il-2 is well replicated and includes an extremely well detailed pilot figure, which will add a sense of scale to this big machine. This is a pleasingly complex kit that compliments Tamiya's two-seater perfectly and does justice to the original.

-  Fantastic, thorough detail inside and out, with masses of detail and a good bomb load
-  No seat harnesses, if you choose to go pilotless



ZVEZDA, RUSSIA

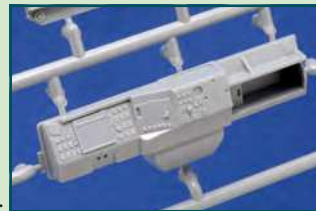
RUSSIAN ARMORED VEHICLE TYPHOON K

www.hobbyco.net

SCALE: 1:35 • MATERIALS: IM, SVT, NM, WS • ITEM NO.3701

Zvezda's armoured vehicle kits of late are a thing to behold. Stacks of parts, stunning detail from top to bottom, great subject choices and an engineering quality that practically ensures a leisurely build-up with an competitive price-point, they really do make very attractive modelling proposition. The newly released KamAZ (Kamskiy Avtomobilny Zavod: Kama Automobile Plant) 63968 Typhoon-K 6X6 MRAP is a perfect example; arriving on six large sprues of medium-grey polystyrene, plus one in clear, some nylon mesh, waterslide decals and self-adhesive chrome stickers for the wing-mirrors, the box is very full and very promising. The crew cabin is fully fitted-out with two rows of seven seats lined up over the V-shaped IED-resistant lower hull/floor and comes with a forward bulkhead, openable roof hatches and double-panel windows. The body structure is built up first, followed by the vast ladder chassis to which is added a highly detailed drivetrain of transfer-cases, drive shafts, suspension wishbones and gigantic shock-absorbers. The overall effect is incredible and the huge wheels and tyres are yet to be fitted! The latter are moulded in solid vinyl and are well done, but for to do this kit full justice, replace them with a sagged resin set from DEF Model, it's a wise investment. The Typhoon-K dwarfs armoured vehicles and tanks of the Second World War, making even a Tiger tank look rather puny when placed alongside, so keep them separate in your display case!

-  An amazing, well detailed kit with a huge amount of parts, inside and out
-  A set of resin wheels from DEF Model will be the icing on the cake



New Releases

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What's in the box?

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ITALERI, ITALY T-55A (MEDIUM TANK)

www.hobbyco.net

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.7081

Italeri released this newly-tooled kit of the ubiquitous Soviet T-55A medium tank back in 2020 and it's a very neat little production. In the diminutive box we are presented with five sprues of medium green polystyrene parts on which, crucially, we find the tracks. Why crucially? Because many 1:72 armour kits come with one-piece flexible tracks and this is almost always the Achilles heel of small-scale tracked vehicle models, as they just don't look realistic. By moulding the T-55's tracks in kit plastic, Italeri have instantly improved the potential quality and realism of this model, even though the instructions do guide the modeller to bend the upper runs with a hairdryer to simulate track-sag. Sounds like a recipe for burnt hands and melted kit parts to us, but who knows? The detail on the kit is of a good standard with some nice touches here and there, the roadwheels being a highlight. The kit will benefit from a sheet of photo-etched parts to refine some of the exterior fixtures and fittings. Markings-options are included for one of four tanks; Soviet Naval Academy, Vladivostok Naval Base exercises, 1970, Nationale Volksarmee (DDR), 1967, Polish Land Forces, 1968 and Romanian Army exercise 'Sabre Guardian' 2019. All are in overall medium green except for the Romanian version which is in a four-colour camouflage of green, gunship grey, olive drab and flat earth.



Very appealing subject, nice spots of detail, tracks in kit plastic



Little refinements with PE of plastic card will make it shine

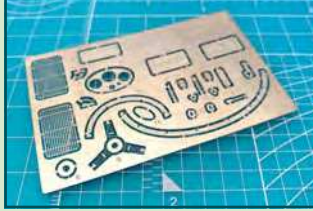


UKRAINIAN SCALE CARS PRODUCTION, UKRAINE PORSCHE 550 SPYDER

www.uscp-ua.com

SCALE: 1:24 • MATERIALS: R, PE, VF, WS • ITEM NO.24K003

The Porsche 550 Spyder and its successors were genuine, purpose-built sports cars that were conceived to compete at the highest levels of motorsport. Weighing just over 544kg (half a tonne) and powered by a four-cam boxer engine, the 550 had a very decent power to weight ratio. Just ninety 550s were produced from 1953 to 1956 but in that time, the car rapidly demonstrated a command of the 1.1 and 1.5 litre racing classes of the era. This new 1:24 kit from Ukrainian Scale Cars Production is a resin creation, the body, chassis plate, suspension, wheels and interior all cast in mid-grey polyurethane material that is totally free from visible air bubbles and warping. The tyres are formed from a flexible black resin, the minimal windscreen is a vacuum-formed part and a sheet of photo-etched steel parts provide the engine cooling grilles, steering wheel spokes, dashboard frame, foot-pedals, trim and number plates. The casting quality is flawless and the detail in the parts is beautifully refined, easily as good (if not better) than the best injection-moulded models. Waterslide decals are provided for James Dean's infamous example, although classic overall silver is the way to go! Keep reading TMMI for a full-build feature on this gorgeous kit.



Perfect choice of subject, fantastic detail, top quality castings



A little experience with resin car kits will provide helpful

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FULL-BUILD: WORLD WAR TWO ALLIED AVIATION
EDUARD 1:48 F6F-3 HELLCAT PROFIPACK ● KIT NO.8221

HELL IN THE PACIFIC

Ricardo Rivas builds Eduard's sublime 1:48 F6F-3 Hellcat and uses a small arsenal of paints from AMMO by Mig to create a highly convincing weathering finish for a machine based in the Solomon Islands, late 1943



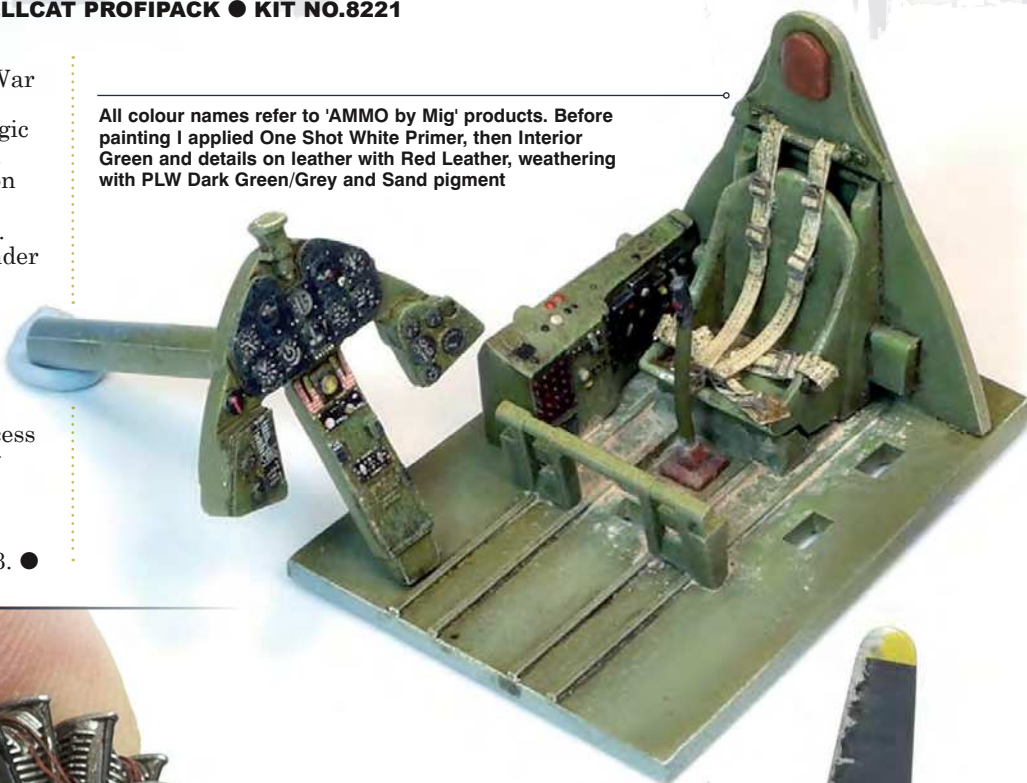


FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

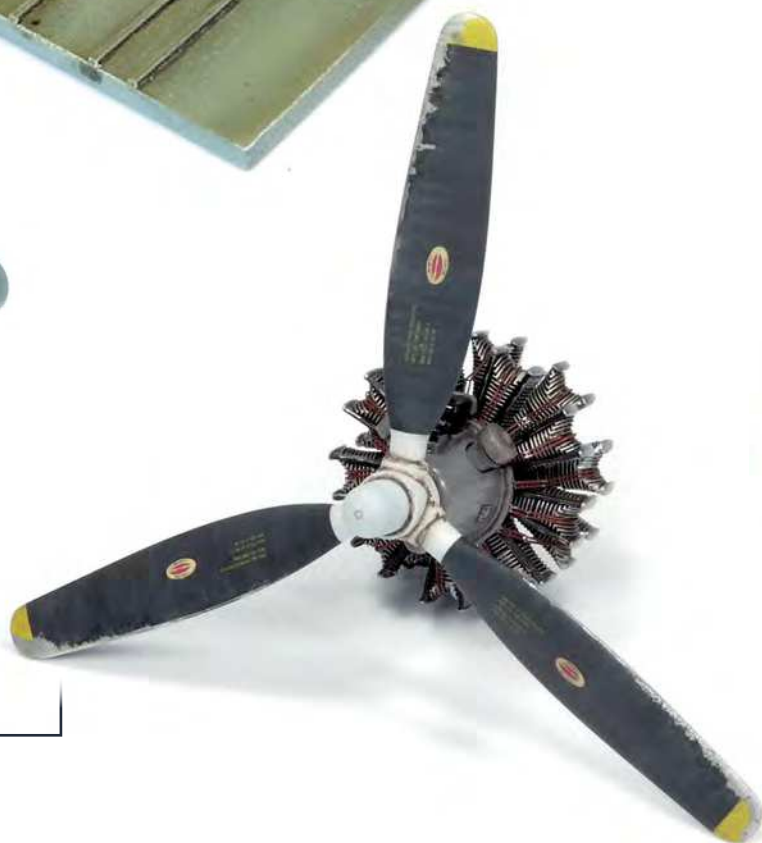
EDUARD 1:48 F6F-3 HELLCAT PROFIPACK ● KIT NO.8221

During the Pacific War between 1941 and 1944, many strategic points were taken, among them the Solomon Islands, decisive for the success of the campaign. Previously they were under the rule of Japanese forces, but in February 1943 they were liberated, including Henderson Field on Guadalcanal plus other bases crucial to the success of future island-hopping battles. This model was based on an aircraft stationed at Henderson Field in September 1943. ●

All colour names refer to 'AMMO by Mig' products. Before painting I applied One Shot White Primer, then Interior Green and details on leather with Red Leather, weathering with PLW Dark Green/Grey and Sand pigment



The engine was painted with Aluminium, ignition cables with Dark Rust and the gearbox with Grey



Mini Review...

AMMO BY MIG WWII REGIA AERONAUTICA
EARLY COLORS (A.MIG-7237)
www.migjimenez.com

Italian Air Force camouflage schemes of the early-war period were remarkably colourful, with shades that are hard to cross-reference with other air forces of the time, which creates quite a challenge for modellers. This new pack of six acrylic paints from AMMO by Mig Jimenez helps to alleviate that with three browns, one green, one yellow and a grey that are ideal for aircraft of that era.

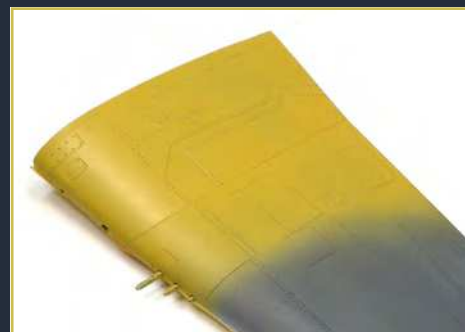




To imitate real wear and tear effects, I first painted the Aluminium, applying a coat of gloss varnish to give it some protection



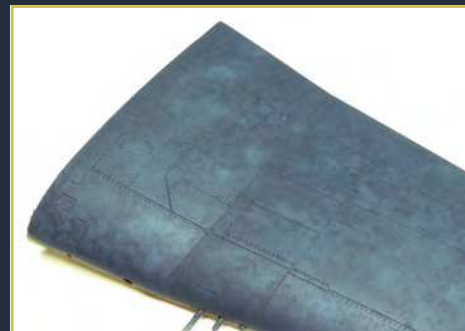
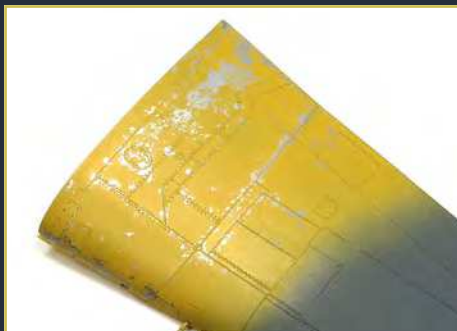
I applied the chipping effect with Scratch Effects with a sponge on the places where I wanted the chipping to be seen



After letting the chipping effect dry, I applied the Zinc Chromate Yellow



Letting it dry a few hours, I then wetted the area where I was going to work and with a stiff-bristled brush, I made the desired chipping



Before applying the top Sea Blue colour, I repeated the application of Scratch Effects with a sponge on the spots to be 'chipped'



Once the final Sea Blue colour had been applied, I made effects with the Airbrush Stencils, with the same colour adding 40% Intermediate Blue through the mid-sized stencil. I then make another lightning of colour, adding a drop of Cremeweiss through the smaller stencil. The paints must be very well diluted with Acrylic Thinner to create the transparent effect



I applied gloss varnish to apply the decals and so the colour-washes (PLW Light Grey) would flow well

Once the paint was dry (six hours at least) I again wetted the surfaces and used the same process until finding the desired effect. One can also use a wooden toothpick

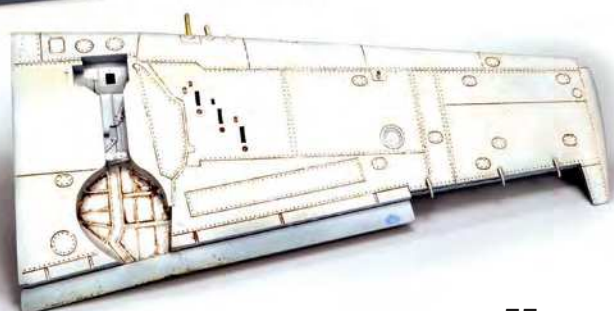
Again, I used the Airbrush Stencils, but this time with the Shaders Marine Blue and Night Blue, diluted with Airbrush Cleaner

With some Oilbrusher Starship Filth I imitated the dark dirt on the panels, stippling and blending with an airbrush.



In this comparative photo, in the upper part the wing has already been worked on with the Oilbrusher and the one below, without the application

The lower surfaces were painted Flat White, with some gloss varnish airbrushed before the colour-wash of PLW Shadow for Desert Brown. I cleaned off the excess with Enamel Thinner using a Q-Tip



FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

EDUARD 1:48 F6F-3 HELLCAT PROFIPACK ● KIT NO.8221

I started working on the dirty lower exhausts with the Shader, diluted with Cleaner and applied by airbrush

Here we see the third tone (Grime), more locally applied on those areas where there would be oil leaks

Here we can see the four tones of Shader already applied. The advantage application over a satin finish is that you can easily correct mistakes with a Q-Tip



The upper exhaust stains were first made with just pigments, applied dry. It is important that the surface is totally matt for a good adhesion. First I applied lighter tones, covering a larger area with North Africa Dust. With the second tone of European Earth, it is very important not to totally cover the previous layer, working softly during application



The third and fourth tones were applied in ever smaller areas, giving shape to the stains. Here I used Golan Earth and Dark Earth



Finally, I used Black. The importance with this colour is to apply it little by little, respecting the centre of the stain which would be lighter



FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

EDUARD 1:48 F6F-3 HELLCAT PROFIPACK ● KIT NO.8221

TECHSPEC...

EDUARD 1:48 F6F-3 HELLCAT KIT NO.8221

Materials:

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

Paints used:

- AMMO by Mig acrylics: One Shot Primer (A.MIG-2022), Interior Green (A.MIG-0220), Red Leather (A.MIG-0133), PLW Dark Green Grey (A.MIG-1608), Sand (A.MIG-3012), Dark Rust (A.MIG-0041), Grey (A.MIG-0059), Scratch Effects (A.MIG-2010), Zinc Chromate Yellow (A.MIG-0221), Sea Blue (A.MIG-0227), Intermediate Blue (A.MIG-0228), Cremeweiss (A.MIG-0017), PLW Light Grey (A.MIG-1600), Marine Blue (A.MIG-0861), Night Blue (A.MIG-0862), Light Clay (A.MIG-0869), Earth (A.MIG-0852), Flat White (A.MIG-0050), PLW Shadow For Desert Brown (A.MIG-1621), Fuel Stains (A.MIG-1409), North Africa Dust (A.MIG-3003), European Earth (A.MIG-3004), Golan Earth (A.MIG-3026), Dark Earth (A.MIG-3007), Black (A.MIG-3001), Ash Black (A.MIG-0858), Grime (A.MIG-0854), Light Grey A.MIG-0209
- Alclad II/AMMO: Aluminium (A.MIG-8201)
- AMMO Oilbrusher: Starship Filth (A.MIG-3513)
- AMMO Shaders: Marine Blue (A.MIG-0861)
- Enamel Thinner (A.MIG-2019)
- Cleaner (A.MIG-2001)
- Tamiya Masking Tape: 6mm (87033)

Accessories used:

- HGW: Seatbelts (148009)
- AMMO by Mig: Airbrush Stencils (A.MIG-8035)

Availability:

- Eduard models and accessories are widely available from good model shops and online. www.creativemodels.co.uk www.eduard.com
- AMMO by Mig: www.migjimenez.com
- HGW: www.hgwmodels.cz



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Book Reviews

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

POST WWII FLYING EQUIPMENT IN ITALIAN SERVICE

CLAUDIO CANTON, RN PUBLISHING
ISBN:978-88-95011-17-2
www.casematepublishers.co.uk

This is a bilingual Italian/English book under the title of Equipaggiamenti da volo Italiani del dopoguerra, with 240 pages covering every aspect of the personal equipment used by flight crew in the Italian airforces, using detailed clear photographs of items in collections, as well as pictures of airmen in service. The first eighty pages cover the flying helmets, going from cloth and leather versions through to the sophisticated and complex modern helmets with built-in communications and displays. The next chapter deals with the oxygen masks, and this is followed by a detailed treatment of flying suits, many of which are specific to aircraft types. Some of these suits have survival equipment, and this is illustrated. The final large chapter covers 'accessories' such as life-jackets, weapons, beacons, parachutes, boots, and of course the aviator sunglasses worn by every stylish airman! Appendices show the wide range of painted insignia on helmets, and further photos of typical aircrew wearing the gear. Clearly a specialised subject for a book, but absolutely fascinating and a great resource for anyone with an interest in crew uniforms, or wanting to add authentic figures to a model. Highly recommended. *CLS*



PANTHERS, MODELLING THE TAKOM FAMILY

www.migjimenez.com

If you like Panthers, you're going to love this new title from AMMO by Mig! Within the 208+, soft-cover pages we are treated to no less than seven full builds of the 1:35 kits from Takom, including the Panther D, G, A, Flakpanther, Jagdpanther, Bergepanther. The kits have been built by expert modellers, each offering their own style and approach to construction and painting. Some superdetailing has been carried out on some of the models, from the use of metal Friulmodel tracks to some strategic photo-etched brass additions, but essentially these are the kits as envisaged by Takom in all their glory. The glossy paper used in the book makes the images really bright and visually appealing, showing the fantastic work of the authors in detail. It would be cruel to pick a favourite model, but here it is anyway - Charlie Pritchett's Bergepanther, for his incredible weathering treatment of the vehicle's massive internal winch. Highly recommended. *TMMI*



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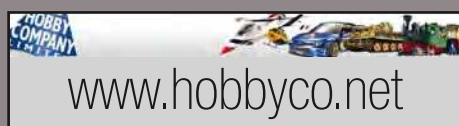


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NEXT ISSUE

The next issue of TMMI is July 2021
(No.309), on sale June 17th



IT'S ANOTHER HELLCAT!

This time, the Airfix monster in 1:24...

BIG STORM'S 'A BREWIN

Italeri's impressive Tornado GR.4 in 1:32



WORLDSBK in 1:12

Tamiya's 1:12 Ducati Panigale
1199S in 2014 Alstare colours

...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 listed here 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.

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The Editor's Page...

The massive Mercedes now comes with a radio system!

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HEAVY HAULAGE

Tamiya's latest 1:14 radio controlled truck is the mighty Mercedes-Benz Arocs 4151 8x4 dump truck, which, this time, comes complete with an RC system. The kit's specification list is long, so here's the breakdown!

Basic specifications

- Overall length: 660mm
- Total width: 196mm
- Total height: 268mm
- Total weight: approx. 5.1kg with RC system and battery
- Wheelbase: 133mm/215mm/103mm
- Track front/rear: 156/138mm double tyre tread
- Chassis type: aluminium/polycarbonate resin
- Suspension: front and rear: leaf spring
- Includes TR Mighty Tune Motor (35T), four-channel transmitter/receiver plus two servos

Essential items to be purchased separately:

- ESC MFC-03 or Tamiya TBLE-02S recommended, power supply for transmitter (X4 AA batteries), battery for running, charger

Optional parts to add more action

- Electric Actuator Set For 1:14 RC Dump Truck (sold separately). Raises and lowers the loading platform from the transmitter
- Euro Style Multifunction Unit MFC-03 (sold separately). A multifunction control unit with built-in ESC that enables not only normal driving but also extremely low speed driving, synchronising the realistic engine sound with various actions unique to trucks and realistic vehicle body vibration



Tornado GR.4

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1/24
SCALE

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Silver Arrow Revival

1/24 Sports Car Series 1989 Sauber-Mercedes C9 (Item 24359)

This is a 1/24 scale plastic model assembly kit of the Mercedes-Benz racing car, Sauber-Mercedes C 9 which achieved seven wins in eight World Sports Prototype Championship races in 1989. The aerodynamic C car form is captured in style, including downforce-generating diffuser and flat under panel. Also, this model offers realistic renderings of mechanisms such as V8 twin turbo engine, bulkhead-rear intercooler, and rear suspension with the dampers horizontally attached inside the subframe. The detailed cockpit features realistically depicted bucket seat, dummy seat, fire extinguisher, and instrument panel. Do not miss this chance to get the model which evokes strong memories of the glory of the Silver Arrows which also got a 1-2 finish in the legendary 24-hour race in France.

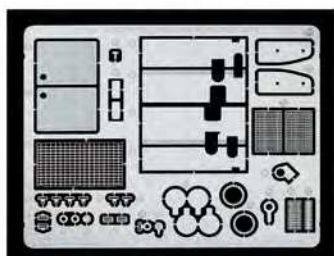


Photo-etched parts recreate turbo unit heat shield, radiator, intercooler core, seatbelt buckles, and front fender louver covers. ★ Requires Tamiya CA cement.



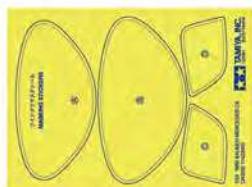
Comes with marking decals by Cartograf, tire logo decals and seatbelt stickers.



Features a realistic rendering of the V8 4-valve DOHC twin turbo engine under detachable rear cowl.

Stainless steel antenna included.

Length: 197mm, width: 84mm, height: 67mm (includes antenna).



Masking stickers help with the window area paint job.



Painting the 1/24 1989 Sauber-Mercedes C 9
Tamiya Color Lacquer Paints (LP)
★ LP-70 Gloss Aluminum (Item 82170)



Features realistic synthetic rubber slick tires.

Choose car 61, 62 or 63.

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

1989 SAUBER-MERCEDES C9

