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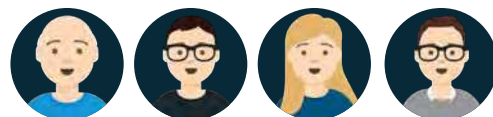
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WELCOME

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Welcome to yet another packed issue of PSM. Once again, we have literally crammed as

many builds as we possibly could into our pages, and if that was not enough, if you get our digital edition, you get even more pages for your money! One of the things that has really impressed me over the past few issues are the superb figure painters we have, especially sci-fi and fantasy, and I am happy to say there is still more to come! This month Jez Coleman has done a great job on an 'Uncle Fester' bust from the Addams Family and following that we have yet another superb full figure build from Ivan Gilbert, and look out for even more from Ivan next month! While we are on the subject of sci-fi, Rob Stinchcombe's 'Rust in Peace' Gundam diorama is also something a bit different and also Adam Challinger takes a look at the McFarlane Toys seven-inch Warhammer Space Marines, some bad looking hombres in their battle suits! With the Current F1 season in full swing, we also have the 1:24 Revell Ferrari F2003-GA courtesy of Eifion Davies, who has done a fine job recreating Michael Schumacher's 2003 winning ride. On the military side, our own diorama buff Robin Gilby presents not one but two

articles, the first being the classic 1:35 Tamiya German Sd.Kfz.7/1 8-ton Semi-Track with 20mm Flakvierling, and the second 'Late Arrival' looks at the 1:35 Dragon M26 Pershing. It also nice to have a couple of very colourful aircraft builds as well, as Grant Dalzell builds the Antonov AN-2 Colt, with 'pin-up' and our own Ian Gaskell gets a bit quirky with the Freedom Models Compact Series MiG-21 Duo kit. So all in all, plenty to enjoy, and don't forget our subscription offers on both print and digital issues! So, until next time...

Happy Modelling from the Phoenix Team

*Andy Evans, Jonathan Phillips,
David Francis, Andy Folds*

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PHOENIX
SCALE PUBLICATIONS

PUBLISHED BY Phoenix Scale Publications LLP
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ISSN - 2753-233X (Print)

ISSN - 2756-1720 (Digital)

UK DISTRIBUTION - Warners Group Publications Plc.

INTERNATIONAL DISTRIBUTION -

www.magazineheavendirect.com

PRINT & BOUND IN UK - The Pensord Group.



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AUTO



MILITARY



AIRCRAFT



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Main cover image - Eifion Davies

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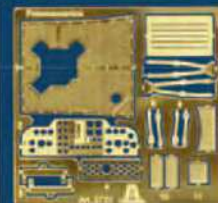
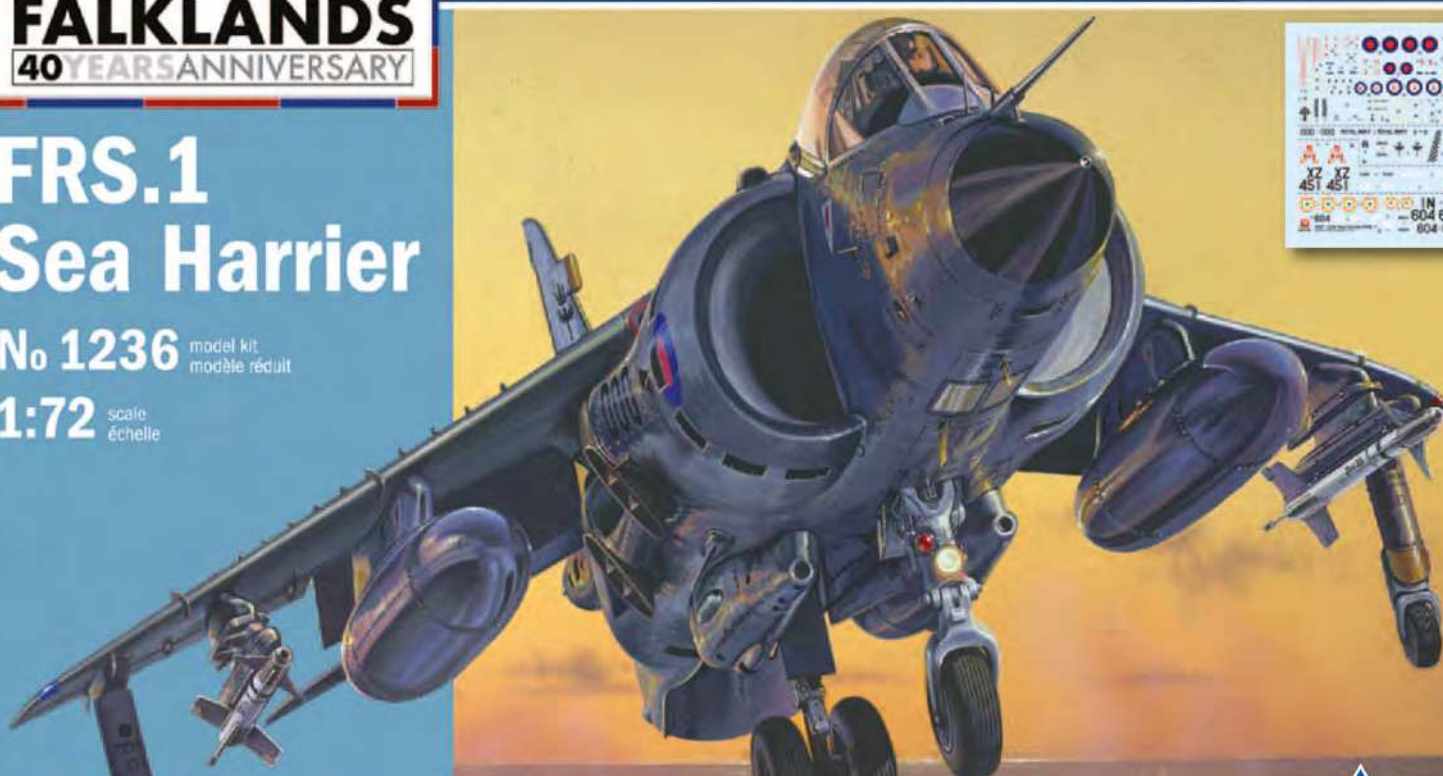


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AUTOMOTIVE

08 Ferrari F1 Red Racer
F2003-GA AS



14 Upping the Tempo
Lieferwagen



18 Concept Camaro
1:24 Revell Kit



Ferrari F1 Red Racer

EIFION DAVIES BUILDS THE 1:24 REVELL F2003-GA AS MICHAEL SCHUMACHER'S 2003 WINNING RIDE

REVELL

This kit is of Michael Schumacher's Ferrari, in which he won his 4th World Championship in a row in

2003, claiming his 6th overall. Not much was changed from the 2002 car, the aerodynamics were worked on and a new V10 engine was fitted to it. Driving this car, Schumacher took the title, finishing two points ahead of Kimi Raikkonen. This kit offers the option to finish it as Schumacher's car or as his teammate Rubens Barrichello who finished 4th in 2003.

IN THE BOX

The kit comes on three sprues with four tyres, two clear plastic pieces and the top



Ferrari F2003-GA

Manufacturer: Revell
Scale: 1:24
Kit Type: Plastic injection moulded
Kit Number: 07240

half of the car as a separate item. The first task was to cut all the parts from the sprues and clean them up. Considering this kit was tooled in 2004, it contained a fair bit of flash and some seam lines that needed cleaning up. But nothing too drastic that a few passes with a sharp blade and a few sweeps of some sanding sticks didn't fix.

PAINTING

I primed everything in Alclad II Grey Primer and Microfiller (ALC-302-60) and left them to dry for a couple of days. Once I was happy that it had all dried properly, I gave the bodyshell a light sanding, using some fine grit wet and dry to get rid of some dust that had settled onto the primer. I then proceeded to split all the parts up depending on the colour they needed to be painted. As this is an F1 Ferrari, 90% of the parts needed to be red, with parts





**For the striking
Ferrari colour, I
used Zero Paints
Ferrari Red**



of the wings in white and suspension bits in black. Some parts that were the same colour were assembled at this stage to make painting a little easier, such as the engine and suspension parts. Apart from the main red itself I used Tamiya acrylic paints, thinned down with their own X20-A Thinners. For the striking Ferrari colour, I used Zero Paints Ferrari Red (ZP1007).

DECALS

The kit went together fairly easily, but it needed a lot of decals to be added as it was being built, especially around the suspension area, and here is where a lot of carbon fibre decals were placed. Most of these needed to be applied before assembly, due to the intricacies of the various arms and struts. Most of the other decals, apart from the main body ones, also needed placing before assembly. The ones on the front and rear wing are shaped so that the wing can be glued into place through slots in the decal, to ensure they cover the entire area. To aid with the decaling

I covered all the parts with Alclad II Aqua Gloss. Once the main bodywork was fitted together, and the rest of the decals applied, I gave the







model another couple of coats of the Aqua Gloss to seal the decals and bring up the shine. Using Micro Set and Sol I found the decals conformed well to all the curves on the bodywork with most only taking one coat before settling. I did find that the big Vodafone decals on the side needed a couple of extra coats to settle as they had quite a large area to cover and needed to run into vents.

CONCLUSION

The last pieces added were the aerals along the nose as I didn't want them to be snapped off with all the handling whilst decaling. All in all, this kit turned into a great build and offered a great representation of Schumacher's car from 2003. While it may not be the most detailed F1 car kit on the market is goes together well and looks good when completed.

Modeling

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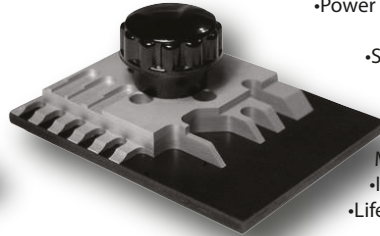
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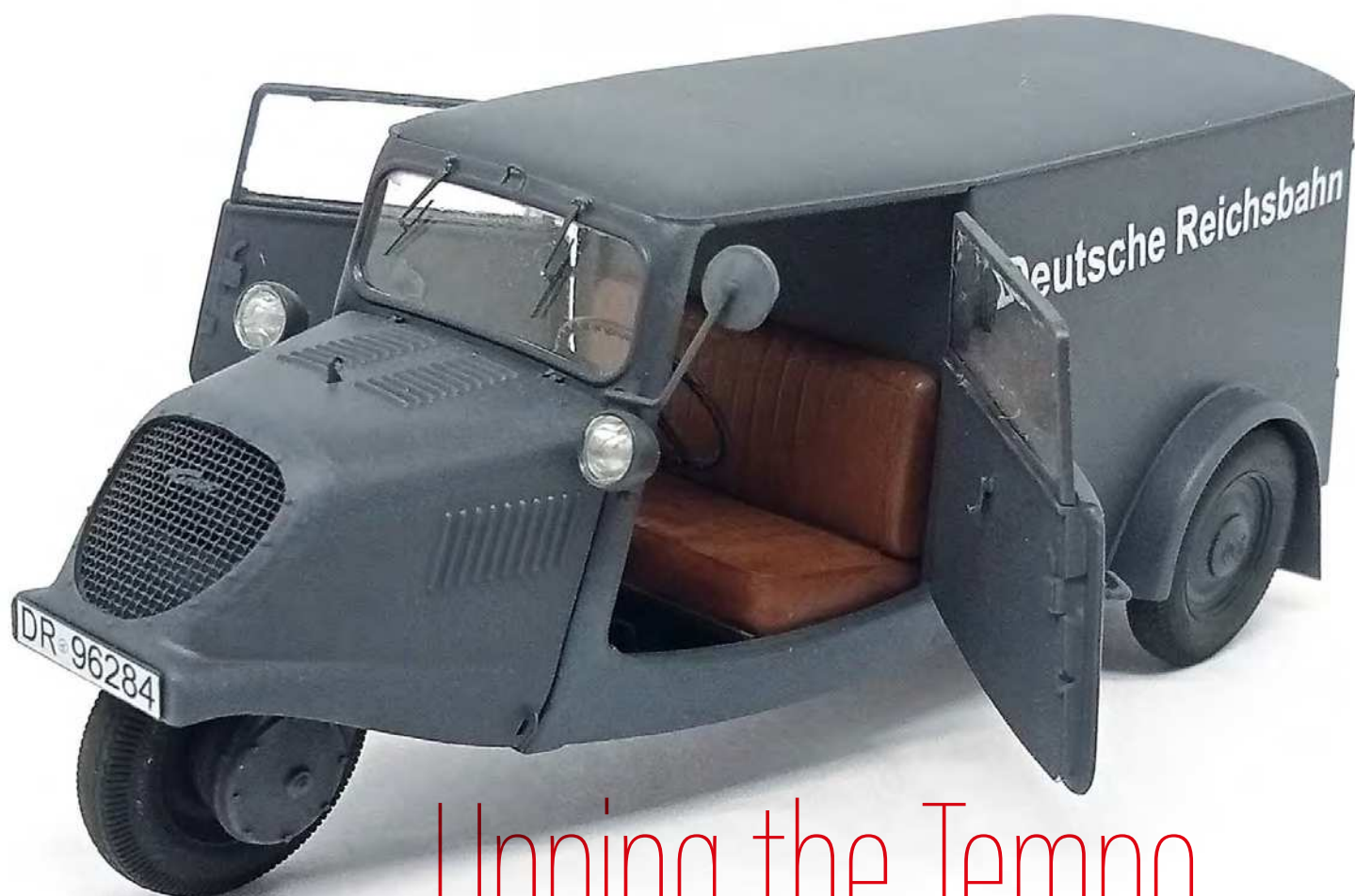
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Upping the Tempo Lieferwagen

TIM UPSON-SMITH BUILDS THE 1:35 MINIART A400 LIEFERWAGEN

MINIART

Every now and then I see a kit advertised, which says to me 'I need one', even though prior to the advert

the subject is one I had never heard of. This little three-wheel van definitely falls into this category. I like to build unusual subjects and this van is that, with the added bonus of being rather cute too. So, after a quick chat with the Editor a sample was acquired, and my build could begin. (I have since purchased the pick-up version to enjoy too). So, what do we find inside the top opening box? We have seven sprues of injection moulded plastic, one clear sprue, a cardboard slip case with the photo-etched brass fret and decals and in the bottom of the box is a full colour instruction booklet. I spent some time going through the instruction book to identify as many sub-assemblies that could be assembled before any painting was needed. To this end I chose to build the all grey Deutsche Reichsbahn version, as the interior and exterior grey were the same.



Tempo A400 Lieferwagen

Manufacturer: MiniArt
Scale: 1:35
Kit Type: Plastic injection moulded
Kit Number: 35382

The cab, minus the firewall/windscreen was assembled and joined to the van body, the cab doors were assembled, but left off and until the end. The rear axle assembly was added to the underside of the van body at this stage too. I also assembled the engine and front 'axle' at this time and glued it to the firewall. The three two-part wheels were also assembled but left off until the end. The bonnet with its etched brass grille and catches was also assembled ready for spraying. With the model in these sections, it was time to think about some paint, I didn't prime this one, but I went straight in with Tamiya German Grey. The seat was then picked out with a suitable leather brown (Vallejo Saddle Brown 70940). Other details were picked out in my 'go to' black for

brush painting. Abaddon Black from Games Workshop. There is one decal for the single instrument dial, which was added, and the glass was simulated with a drop of Micro Kristal Klear. I dry brushed the interior with Games Workshop Mechanicus Standard Grey, which is just a shade lighter than the Tamiya German Grey.

With the internals all painted, the cab was then fully assembled. The top half of the cab doors are clear plastic, so this needs to be carefully masked to represent the door frame. Prior to masking the clear parts I had





The sub-assemblies ready to paint....



...and here they are painted up

The decals now added



The top half of the cab doors are clear plastic, so this needs to be carefully masked to represent the door frame

dipped them in Johnsons Klear to give them a glass like look, unfortunately, I didn't properly wick it away from the edges, so it did 'pool' a little. It was at this stage that I discovered that the top part of the doors didn't fit the frame, but I think this was my fault for not following the instructions. I left the doors off at this stage, as I would have to pose them open, and the hinge points are quite small. The model then received a coat of Tamiya Gloss in preparation for the decals, which went on with no problems at all. This was followed by a matt coat and the removal of the window masks. All that was left was to add the wheels which I had painted earlier, the lights, mirror,



Almost ready for final assembly



Final touches

and the cab doors. I gave the model a light dry brushing of the Games workshop Mechanicus Standard Grey, just to give a bit of subtle variation and the exhaust pipe was picked out in a suitable steel colour and with that the model was finished.

I decided not to go down the weathering route as I think when these vehicles first entered service they would have been reasonably well looked after, although I am sure as the war progressed this may not have been the case. I feel that the model could do with a suitable cobbled street base, so I will see what is available from MiniArt to display this diminutive van on. As a final touch, MiniArt supply a nice Tempo name plate on the etched fret, which I painted the same grey as the van, before lightly sanding it back to reveal the edge and 'Tempo' in brass. This is a nice touch which I would like to see more of, especially with the Lanz Bulldog tractors they do! To conclude, I have to say that this was a really enjoyable quick, (for me), build. The fit was pretty good all round, with the exception of the doors, but I think this was my fault, on my next one I promise I will actually follow the instructions! It's a quirky little vehicle which makes me smile when I look at it, which is what the hobby is all about. Thanks to Creative Models for this review sample, and I can only hope that everyone at MiniArt stays safe and it won't be too long before we start to see the proposed 2022 releases. [micromedia](http://www.micromedia.co.uk)



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Concept Camaro

JEZZ COLEMAN BUILDS THE 1:24 REVELL KIT

REVELL



he Chevrolet Camaro Concept was designed by a South Korean-born designer Sangyup Lee. It is

powered by a 6.0-liter V8 engine rated at 400hp and was mated to a six-speed manual transmission. The car is equipped with gas-pressurised dampers, four-wheel vented disc brakes, twenty-one-inch front and twenty-two-inch rear five-spoke alloy wheels.



Combining dramatic design and exciting performance, the Chevrolet Camaro Concept recaptures the spirit of one of the most popular sport coupes of all time and redefines the Camaro for new generations of fans. For me Nothing scream American muscle more and that is Chevrolet. From as far back as the late 1960s though to present day.

Concept Camaro

Manufacturer: Revell

Scale: 1:24

Kit Type: Plastic injection moulded

Kit Number: 07648





This is one of Revell's 'Easy Click' kits, and though there was a very small parts count, the overall detailing looked great



EASY CLICK

This is one of Revell's 'Easy Click' kits, however I was pleasantly surprised when opening the box and inspecting of the contents. Even though there was a very small parts count, and the build looked relatively simple, and the overall detailing looked great for range the kit is in. The kit is designed in a way that all the parts are pre-coloured and lesser experienced modellers could build this with ease. However, the modeller in me couldn't resist building and painting it by putting my know how and skills as a more seasoned modeller to good use.

BUILD

Starting with the first steps of the build, you are required to assemble both drivers and passenger front seats, and these are simply pushed into the location points in the interior. Next, I added the dashboard and steering wheel, and these also clicked into place. Although the interior was simple, Revell has managed to capture a lot of the interior details of the Camaro in just a small number of pieces. Once painted up with a satin black aerosol, some of the finer details picked out with a fine paintbrush, including some of the chrome trims and handles that were picked out with a Molotov chrome pen. The interior was then detailed even more with the addition of the kit's decals.

PAINTING

I then turned my attention to the body shell, and here I applied some Tamiya Fine Surface Primer, and once this was dry, I gave it a light





wet sanding with some 3000 grit polishing pads to remove any contamination and give an ultra-smooth base for the top colour. For the main colour went down the easy route and sprayed the yellow with an automotive aerosol can. This was then put aside for a few days to cure, and with a light buff up with some car polish and a soft cloth I added that extra shine to the paintwork. I wanted to break up the yellow by adding a small modification to my build, and for this had a spare decal sheet of a carbon fibre effect. First, I made a mask for the bonnet and tailgate from masking tape and used these to cut out the decals from the sheet, and I then applied them to the model with a little bit of care, patience, and a small amount of decal solution to get them to conform to the various curves. With the body all painted I installed the front grille and rear light clusters, along with the windscreen. I then added the interior to the chassis and the I installed the body onto this assembly.

Everything was held place with four small screws inserted into the underside of the chassis, making this a secure connection.

WHEELS

All that was left to do was to slide the tyres onto the chrome plated alloy wheels, and then I slipped both the front and rear axles though the location holes in the underside and push fitted the wheels into place. And there you have it, a very simple build of the Chevrolet Camaro. Although this was a very simplified kit as you can see it still has the overall look and feel of a modern-day muscle car. So, it's a big thumbs up to Revell for what looked to be a basic kids snap fit kit, to something that with a little extra effort can be made into something not half bad for a small outlay! [more info](#)



03820 Eurofighter Typhoon "Black Jack", 1:48



03818 Eurofighter Typhoon "Bavarian" Tiger, 1:72



03829 Messerschmitt Bf-109 G2/4, 1:32

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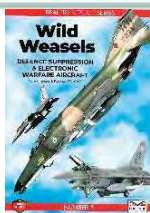


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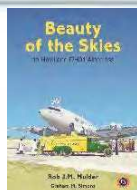
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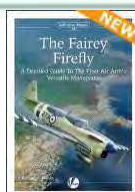
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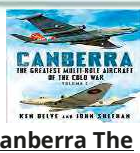
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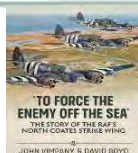
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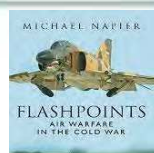
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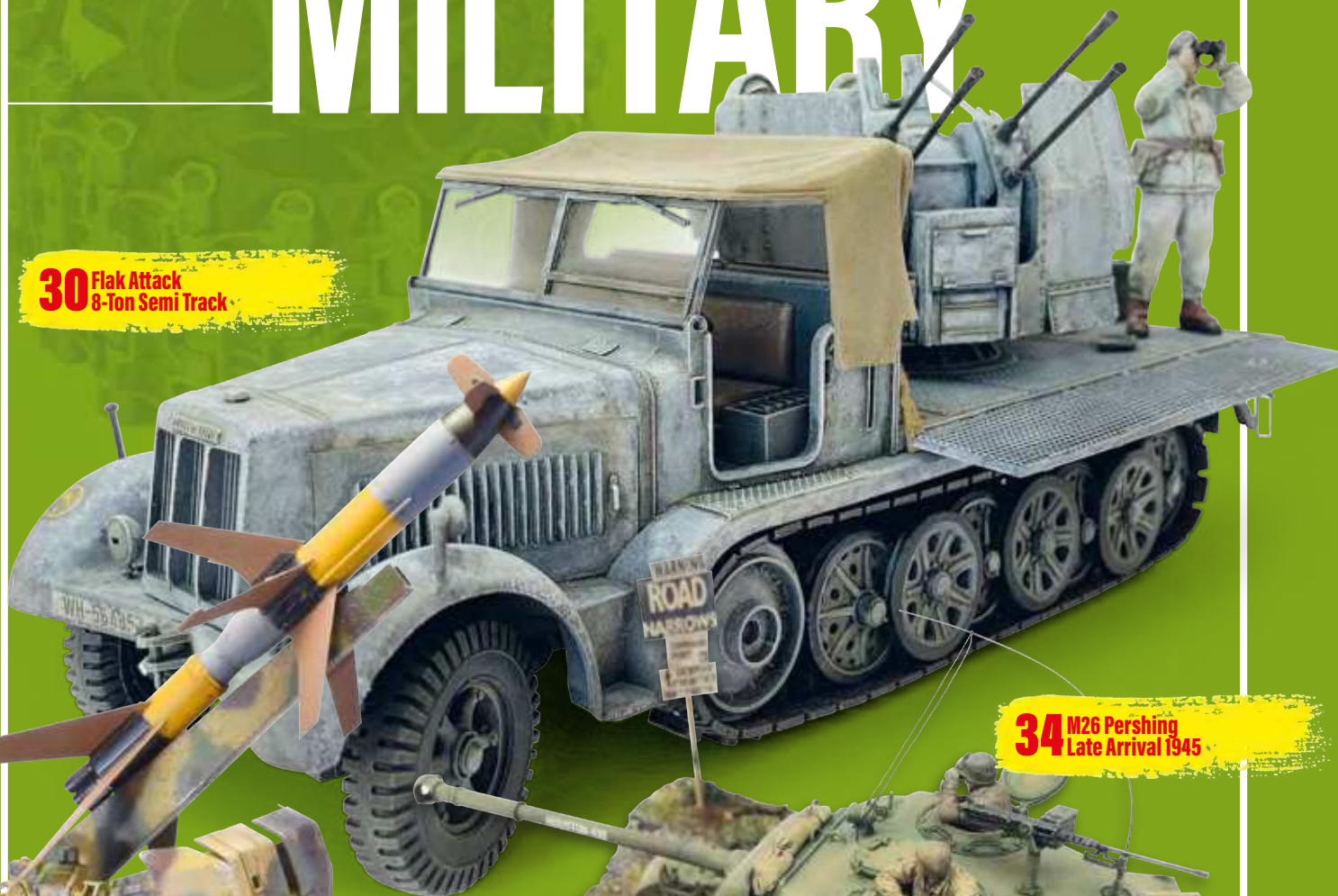


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and Decals



The colour guide in the instructions depicts a standard late war three colour camouflage pattern used by the Wehrmacht



Getting a Rocket... Flakpanther

SCOTT TAYLOR OF THE SCALE
MODELLERS SUPPLY BUILDS THE
1:35 TRUMPETER FLAKPANTHER
W/8.8 FLAKRAKETE
RHEINTOCHTER I



TRUMPETER

The Flakpanther is an odd piece of history. There is much argument on whether this was indeed a real

planned German Armour, aka a 'Paper Panzer' – something that was designed but never realised fruition due to the end of the War, or whether it was just a 'What If?' design. Essentially, it is a Panther hull with a Rheintochter launcher and missile attached on top. Either way, it is an interesting design, and I was up for a new challenge!

Flakpanther w/8.8

Flakrakete Rheintochter I

Manufacturer: Trumpeter

Scale: 1:35

Kit Type: plastic injection moulded

Kit Number: 09532

THE KIT

As per most kits by Trumpeter in this scale, the kit went together well. The lower half (the Panther portion of the build) was very fast to assemble but things slowed right down once I got into the upper half. The launcher itself is very detailed with lots of levers, wheels and small parts that take a long time to assemble. Most of the assembly time was spent on this section but was worth it in the end as the detail is well presented. With this kit, you get a copper wire tow cable, but in my case, it was missing from the box. I had some thin gauge wire that I cut to length and then twisted together to create my own. This was then shaped around the hull and fixed into place using CA Glue. The final part of the assembly was the tracks. The tracks that come with this kit are plastic and individual links, so I gave it a go and assembled them in a

The kit assembled



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Applying a German
Red Brown base.......followed by
German Sand
Yellow......then
German Dark
Brown......and German
Olive....

track jig. About halfway through the second length, I knocked over a bottle of Extra Thin Cement that I was working with and fused the length together much to my chagrin. Frustration got the better of me and I then opted for a much better solution, aftermarket resin tracks that clicked together. So instead of spending hours cutting out and assembling the kit tracks, I had two sets assembled within ten minutes. With all the assembly done, it was time to paint.

PAINTING

The colour guide in the instructions depicts a standard late war three colour camouflage pattern used by the Wehrmacht. To begin with, everything was primed with SMS Surfacer Grey and then followed with a layer of German Red Brown. The German Red Brown acts as the red primer colour to

help give a slightly warmer tone to the next layers, in particular the German Sand Yellow layer that was applied next. With that done, the next two colours, German Dark Brown and then German Olive, were all done free hand using the airbrush, following the colour guide as a reference to where the patterns of the camouflage would go. Once those two colours were on, I went back again and went over the edges to tidy them up. To do this, I thinned the paint down an extra 20% and dropped the PSI to 10 and sprayed in close to get fine, sharper lines to make the pattern look more natural. The Rheintochter was painted using close matching colours in the supplied colour guide, with Dark Brown 6K used for the fins, and with Barley Grey, Marigold Orange, and Dark Bronze for the body. As I could also remove the tracks, they were painted separately to the tank itself, with a base of Camouflage Black and

then Gunmetal on top. The Gunmetal gave the tracks a bare steel look which would be covered up with weathering in the next part of the build.

WEATHERING

For the overall look, I wanted the Flakpanther to appear worn and used, but not damaged. To do this, I utilised several weathering techniques. First up, using a small piece of foam, I applied chipped paint around the edges using the German Red Brown that was used earlier for the base colour. I decanted a small amount of the paint from the bottle and left it sit for ten-minutes or so to allow some of the carrier thinners to evaporate and thicken up the paint. I then dipped the foam into the paint, dabbed it onto some paper towel to remove the excess, and then carefully and strategically dabbed the sponge to areas

After a base coat the tracks were painted with Gunmetal

...for a very smart scheme



Adding some chips with a sponge....



...and a paintbrush...



...and making the metallic parts pop out



To paint the base, I used Black....

...German Dark Brown....

that would have most likely seen wear and tear just from general everyday use. With that done, I then repeated the chipping process, but this time using a fine tipped brush and Silver. I carefully went around and randomly painted on the silver inside the Red Brown chips. Doing this gives the impression that the paint has not only worn through to primer in some sections but also down to bare metal in others. At this point, the Silver looked very bright in comparison to the rest of the chips, but that would be toned down in the next weathering steps.

DETAILING

A general wash was applied all over the kit using SMS Brown oil-based Wash to highlight the recesses and details. The same Wash was then applied more carefully and thoughtfully around some of the edges and chipped areas and then pulled downwards using the paint brush to simulate a build up of dirt and grime that has been washed

away with rain, leaving streaks and stains behind. The final part of the weathering required the Flakpanther to be mounted in place on its base. I wanted something very simple for the base, so opted for a small board which was coated in air drying clay. With the clay still soft, I used the plastic tracks that I had accidentally ruined earlier in the build as a texture stamp and pushed them down into the clay to get the track imprints. With that done, it was set aside for a few hours to dry.



...and Dark Brown 6K

THE BASE

Painting the base was very quick and simple. The entire base including the edges, was painted in Camouflage Black. I then masked the edges and applied German Dark Brown all over and then highlighted with Dark Brown 6K, a lighter shade of brown. With the base done, the tracks were glued to the running wheels and then to the base

itself using 5-Minute Epoxy Glue, making sure that the treads sat inside the imprints made on the base. To dirty the wheels, I used SMS Dark Earth Weathering Pigment along with the SMS Brown Wash to create a slurry that

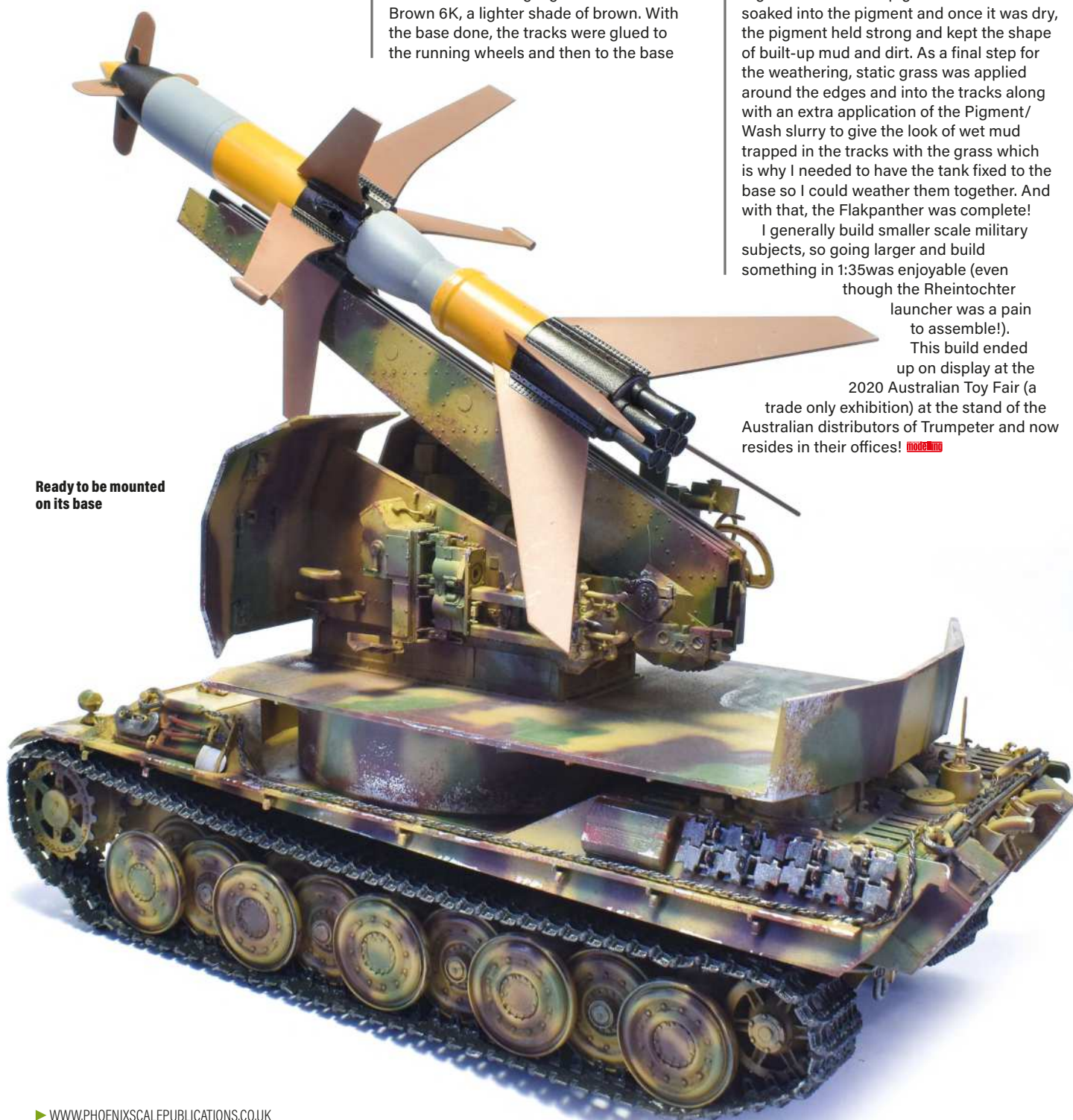
could be brushed and splattered on to the running wheels, gears, and lower guards. Then using SMS Pigment Fixer, created larger clumps of mud on the underside of the tank and guards. I sat the pigment onto the model where I wanted it to be, and then used a pipette to transfer a little bit of Pigment Fixer to the pigment. The Fixer then soaked into the pigment and once it was dry, the pigment held strong and kept the shape of built-up mud and dirt. As a final step for the weathering, static grass was applied around the edges and into the tracks along with an extra application of the Pigment/Wash slurry to give the look of wet mud trapped in the tracks with the grass which is why I needed to have the tank fixed to the base so I could weather them together. And with that, the Flakpanther was complete!

I generally build smaller scale military subjects, so going larger and build something in 1:35 was enjoyable (even though the Rheintochter launcher was a pain to assemble!).

This build ended up on display at the 2020 Australian Toy Fair (a

trade only exhibition) at the stand of the Australian distributors of Trumpeter and now resides in their offices! [modelim](https://www.modelim.com.au)

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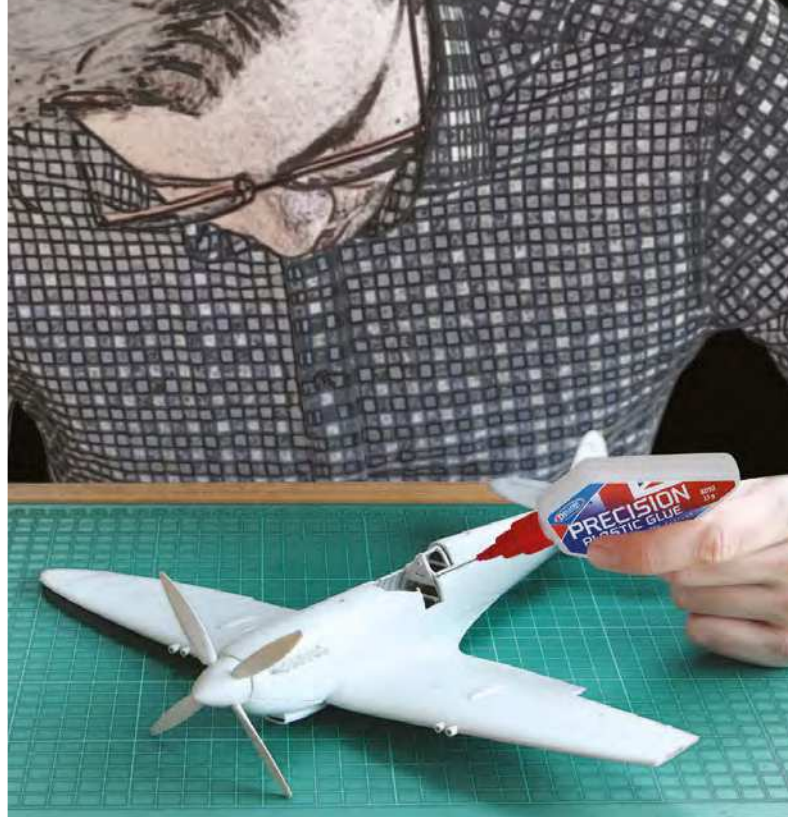
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ROBIN GILBY LOOKS AT THE CLASSIC TAMIYA 1:35 GERMAN 8-TON SEMI TRACK 20MM FLAKVIERLING SD.KFZ.7/1

TAMIYA



his classic re-release from Tamiya has always been on my list of kits to build again after first visiting it when it

was new in 1985! I have recently begun to really enjoy revisiting these old Tamiya kits, they are always still unrivalled for a good fun build and offer excellent value for money. I'm sure there are several well-known faults with this kit, and extensive upgrade sets are available, but I was still more than happy to build it out of the box and enjoy a blast from the past!

I remember seeing this kit all those years ago as a fifteen-year-old, as one of Tamiya's flagship releases of the time and it still holds up quite well and certainly comes with plenty of extras. The model as you would expect from Tamiya comes well presented (especially for a kit from the eighties), the parts are offered on several large dark grey sprues and include a full complement of five gun crew figures with many accessories, ammunition boxes, vinyl tyres, nuts and bolts, metal axles and if you are careful with the cement some workable

German 8-ton Semi Track

20mm Flakvierling Sd.Kfz.7/1

Manufacturer: Tamiya

Scale: 1:35

Kit Type: Plastic injection moulded

Kit Number: 35050





suspension and steering. The only notable negative out of this lot is the crew, which obviously haven't aged quite as well as the rest of the kit, although I'm sure some modellers will still enjoy using them. I decided to put them together for this build as they obviously fit the gun quite well and I fancied the full retro experience!

The build is shown in eighteen stages as is very straightforward with a few build notes to be referred to along the way. Things begin with the assembly of the 20mm FlaK, and this goes together nicely with some neat detailing which covers the first six build stages. The guns can elevate if required but I cemented them in place relevant to the crew positions. With that complete we move onto the chassis, suspension and running gear. The road wheels show acceptable detail but are fairly simple and go together well. If you wish the suspension can be made to offer a limited amount of travel, a nice little touch, as is the steering mechanism for the front wheels.

The crew cab interior is up next and again no dramas here with a good fit of all the supplied parts. Now the bonnet and forward bodywork can be fitted, and the shape of the vehicle starts to come together. With this now mated to the flat bed there are several detail parts to fit and then the side panels can be



assembled. The supplied plastic mesh has to be cut to size and fitted here, or you may wish to replace it with something similar yourself. These can then be fitted either raised for travel or lowered for a vehicle in a firing position. When I was happy with everything here and a few more smaller detail parts had been added, thoughts could now turn to painting.

The completed model was now primed with a base coat of Tamiya Fine Primer from a rattle can and then pre-shaded with some Ammo by Mig Black Primer. I chose the

The kit may well have been released over thirty-five years ago, but this was still a good fun build!





recommended colour scheme for this one, a panzer grey vehicle with field applied whitewash. I used Tamiya colours for the grey shades and then a first round of basic washes. Next up was some Ammo by Mig Washable White Camouflage. This is a great product which I brushed on by hand and virtually straight away you can begin thinning it on the model with tap water or acrylic thinner. This gives an interesting look which can be adjusted as required, thinned further, or removed in places with a cotton swab. The colour variation you are left with gives a great effect and is good fun to use. When I was happy with the result it was left to fully dry and then I applied some mapping with Vallejo Off White, which gives further variation and depth to the paintwork. For weathering I decided on just some further various washes using thinned Ammo by Mig Oilbrushers, some subtle streaking grime and then some suitable chipping around the

relevant surfaces. Finally, I airbrushed a dark earth/mud mix around the lower surfaces and this one was done. As already mentioned, I also decided to use the supplied crew figures and despite their age they went together well enough, and when complete and in position they certainly bring the vehicle to life. They were finished with Vallejo and Tamiya acrylics and the reversible winter suits were weathered accordingly.

This was a great build which I thoroughly enjoyed, and in my opinion, it still gives you a nice-looking model. The kit may well have been released over thirty-five years ago, but this was a good fun build at a great price. The choice is of course always there to lift it further with upgrades if you wish (and I was certainly tempted at times) but in the end it was fine to show what can be achieved with it out of the box. This Tamiya golden oldie definitely still comes highly recommended!

model

Late Arrival '45

ROBIN GILBY BUILDS THE 1:35 DRAGON M26 PERSHING

DRAGON

Here is one of Dragons latest 1:35 offerings, a re-release of their US M26 Pershing tank from 1994, now

reboxed again under the 'Korean War Series', although I am not aware of any differences over the original release. The kit is comprised of just twelve sprues of light grey plastic, the small decal sheet....and that's it. Very basic for a Dragon kit, but that does include four sprues of separate track links, so it should at least offer a fairly quick build.

The build is shown complete in just sixteen stages, and things begin with the lower hull and running gear. This is all very straightforward with a decent fit of parts, though some detail parts are showing their age. With all the road wheels cleaned up and fitted in place,

the track links are next. These look pretty good in normal plastic, with the guide horns all presented as separate parts too! So, this is a lot of cutting and cleaning up, and then assembly can begin. There is no jig provided or mention in the instructions of how many links per side to allow for, so it is a matter of planning as you go, putting together a few lengths of ten links at a time worked for me. The links thankfully pushed together with little effort, and this enabled the tracks to be completed quite quickly. With all these fitted the

M26A-1 Pershing

Manufacturer: Dragon

Scale: 1:35

Kit Type: Plastic injection moulded

Kit Number: 6801





AUTO



MILITARY



AIRCRAFT



FIGURES



SCI-FI



BOOKS

35



The build is shown complete in just sixteen stages, and things begin with the lower hull and running gear





lower hull is complete and the top half can be offered up. The front hatches, MG, headlights, and other exterior parts can now be fitted, and the tank starts to take shape. The large one-piece stowage bins are called out next and with the mudguards in place the hull is complete.

The turret is started next, beginning with the mantlet, breech and barrel. The main barrel itself is a standard two-piece moulding presented with the normal clean up required. The rest of the turret assembly comprises only a few fiddly detail parts and the cupola, and before you know it the build is complete! This really is a fairly basic build from Dragon, but the finished kit looks the part, and now I could turn to adding some stowage and extra detailing to lift it a bit further. I used several items from Tamiya, Italeri, Valuegear and some other nice finds from my 'spares-box'. All of this was fixed in place with some extra grab handles and the appropriate tie downs using some scale rope across the engine deck. Painting was restricted to just Olive Drab overall which was modulated with lighter buff tones using my airbrush to give some colour variation. The basic decals were fitted next, and these came from the spares box as I had already decided on a World War II era vehicle. Weathering was a mix of Ammo by MIG Washes and Oilbrushers and then some good old fashioned dry





brushing. I also applied some camouflage net at the turret fixed in place using watered down PVA glue, dry tea leaves and scatter and shaped it accordingly. I used a mix of MIG pigments, PVA glue and mud effects at the lower hull and then moved onto the figures. The crew came from Dragon and Tamiya, I selected the two appropriate figures and adjusted them to suit my needs. They were then finished with Tamiya and Vallejo acrylics.

With the weathering complete I added a stretched sprue antenna and then dusted the whole model with my airbrush using some Tamiya Buff and then a thin coat of Vallejo Polyurethane Matt Varnish to seal everything in. I decided on a simple base to put the model in context, a country lane approaching the German border in early May 1945. This was completed with no dramas and the tank was mounted with two-part epoxy and this one was done. This is another nice re-release from Dragon, which surprised me with how good it turned out, although as mentioned before it does come presented on the rather basic side with minimal options and no multi-media parts but therefore is recommended to all! [modelism](#)



SIDE VIEW

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The SAAB JAS 39 Gripen

by Andy Evans

The Saab JAS 39 'Gripen' or 'Griffin' forms the primary fighter wing of the Swedish Air Force along with a several other nations. The Gripen is a highly-advanced multi-role aircraft utilising the latest in digital controls and weapons delivery, all the while being produced in a modestly sized and highly streamlined package to strict Swedish Air Force requirements. The JAS 39 has been in operational service since 1997 after a relatively long development period and over 240 of the type have been produced in single-seat and twin-seat forms. The Gripen remains one of the most potent advanced lightweight fighter designs, and is able to undertake a variety of mission roles from air defence to interception, ground attack to armed reconnaissance as well as training. By the end of the 1970s, the Swedish Air Force found itself looking to advance their frontline fighter capabilities over that of the aging Saab Drakens and Viggens. The Draken, with its unique double-delta wing and single-engine design, was introduced in March of 1960 and managed a successful, if modest, existence with several air forces, being produced in 644 examples from 1955 to 1974. The Draken was developed to replace the outgoing Saab J29 Tunnan fighters. Comparatively, the Viggen made its presence known in June of 1971 to which 329 examples were produced from 1970 to 1990. The type was developed as a broader solution to undertake interception, strike and reconnaissance roles and sported a more conventional delta wing profile with forward canards and a single engine design. Work on their replacement began in 1979 with studies undertaken in 1980 to produce a modern end-product worthy of Swedish Air Force needs that could undertake a plethora of required battlefield roles. In 1981, a consortium was formed that involved Saab, Volvo Aero Corporation, Ericsson/GEC-Marconi and FFV Aerotech to design, develop and produce various portions of the aircraft. The end result became produced the JAS 39A Gripen fighter and the JAS 39B two-seat trainer, and then the updated JAS 39C, followed by a redesign producing the F39E/F. The Gripen has a very sleek design incorporating a large-area, rear-set delta-wing configuration, removing the need for horizontal tailplanes while increasing internal fuel loads and external weapons-carrying capabilities. The wings were low-mounted on a slab-sided tubular fuselage frame to which the gently sloped nose cone capped the front end. Under the nose cone was the powerful search-and-tracking facility that allowed for 'look-down/shoot-down' capability and multiple target 'track-while-scan' and target assessment, all delivered to the pilot in real-time. The Gripen can carry a huge variety of air to air and air to ground variety of weaponry as well reconnaissance pods and is currently in service with the Swedish Air Force as well as the air arms of Hungary, South Africa, Thailand, and Brazil, with other potential operators on the horizon. This 100-page full colour 'Blue Series' book looks in detail at the history and employment of the Gripen, with photographic references, walk arounds, and as the 'Real to Replica' title suggests there is a section on how to model the Gripen in popular scales, making this book an ideal resource for both the enthusiast and scale modeller alike.



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A Colourful

GRANT DALZELL BUILDS THE 1:48 HOBBYBOSS AN-2

HOBBYBOSS

I love aftermarket decals and schemes, so much so, I will buy a set of decals, then buy a kit to suit said

decals. So, this build is of the HobbyBoss 1:48 Antonov AN-2/AN-2CX Colt, with Bombshell Decals set named An-2 Colt Warsaw Pact, 'Girls Gone Wild'. I also added a Yahu instrument panel, Armory Models resin wheels, Quickboost resin engine, air intake and oil radiator, exhaust, cowl flaps and SBS Model flat rigging wires.

THE BUILD

The build started with the cockpit, making control yokes, foot pedals and seats. I added some aluminium foil for harnesses. I painted the cockpit section Mr. Hobby H56 Intermediate Blue as per call out. The centre



instrument panel was painted black, other colours were hand painted in. The Yahu instrument panel was added last. The build then shifted to the cargo section, so a floor, rear bulkhead, and a ceiling. There is an option for the seats in the rear to be stowed or out. I put them out. This section was painted Mr. Hobby H58 Interior Green, some dry brushing was added with a natural steel colour for wear on the floor. The cockpit



Antonov AN-2 Colt

Manufacturer: HobbyBoss

Scale: 1:48

Kit Type: Plastic injection moulded

Kit Number: 81705

section and the cargo section were than glued together.

FUSELAGE

The fuselage halve interiors were painted, then the porthole windows were glued in. I decided I would glue the cargo door in the shut position as the hinges on the door did not look right for an open display, so yes, all that interior work won't be seen, but as modellers like to say, 'I know it's there', I also have the pictures of it. The fuselage was glued together, and pleasantly, no fit issues were experienced with that large interior section. The engine cowl section was made up next, replacing the kit cowl flaps and



Colt

engine with the resin replacements. The engine was painted with AK Interactive Xtreme Metal Dark Aluminium. The cowl section was added to the fuselage, and I then used Tamiya White Putty to take care of seam lines that needed tending to. While this dried, I made up the tail section and lower and upper wing pieces.

TAIL SECTION

Once I had cleaned up the seam lines, the tail section was added, leaving of the stabiliser struts for easy painting. I added the lower wing to the fuselage, here I had a step at the front wing to fuselage. Scraping and sanding was applied here to get a flush surface. The upper wing pieces were left off for painting as well as the wing struts. The canopy comes in two pieces, I masked them with Tamiya tape, and glued them in position, they were a great fit. Worth noting

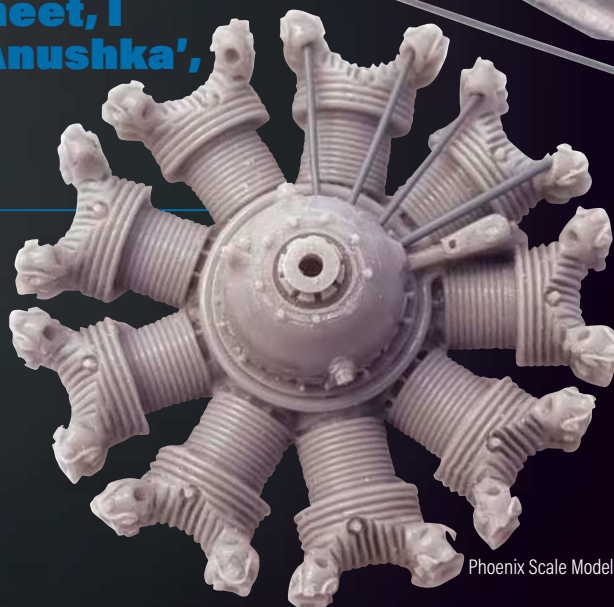


The aftermarket parts



There are six scheme choices on the Bombshell Decal sheet, I chose 'Anushka', an East German livery

Push rods had to be made from stretched sprue





The interior, a shame all that work will not be seen

The interior fit to fuselage was a good fit



The engine cowl added to the fuselage



A circle cutter was used to make window masks



here, is that I left the canopy off until I had finished all sanding on the fuselage. This is to minimise the risk of dust getting on the inside of your clear parts! Remaining parts like radiator, exhaust, etc. was added to the fuselage. The antennae, hand grabs and step were left off until the end to avoid bumps and breaks.

PAINTING

Now on to the paint scheme. There are six scheme choices on the Bombshell Decal sheet, I chose 'Anushka', an East German livery. Aftermarket schemes are not always straight forward, and some guesswork from the modeller may need to be applied, as will be seen in following steps. After priming the model with AK Interactive White Primer and

Microfiller, I started with the underside of the model. For this I used Mr Hobby H323 Light Blue. This was masked off ready to paint the top camouflage. The 'bombshell' call out for the main colour was a Turquoise Blue Green. After trialling some custom mixing, I resulted in a 70:30 mix of AK Interactive Real Color RC 206 Russian Cockpit Turquoise, Mr Hobby H46 Emerald Green. Once this was down, a clear gloss coat was given, then using White-Tac sausages for masking, I started on the next colour, Bombshell decals call for a Grey, FS 36176,



Lower wing added



The light blue bottom



A custom mix was made for the turquoise shade



White-Tac sausages are an easy method for masking



The Bombshell Decals set well with some Micro Sol

The upper wings on and the final look after the wash was removed





when I had sprayed in a few sections, I couldn't help thinking, "This doesn't look right!" It was way off from the illustration on the decal sheet, although decal sheets are often out with pictures. I went to Google, and looked up East German AN-2 Colts, and fortunately I found two pictures of this aircraft. Here, total guesswork was used. The grey looked more like a black green to my eyes, so Mr Color C18 RLM70 Black Green was used. On the tail, there is a band of Field Drab either side. AK Real Color RC085 Field Drab was used here. The engine cowl has an antiglare panel of black, and another black panel is on the bottom. Tamiya XF-69 NATO Black was used for these.

DECALS

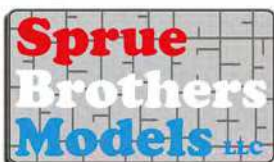
Another clear gloss coat was given, and the decals were applied. These went down well using Micro Sol to set them. I gave the model a wash of Flory Models Dark Dirt Wash, wiping it right back so it highlighted panel lines and rivet details. The upper wings were glued in place, struts were glued on, all fitting well. I painted the flat rigging wires on their sprue, cut to length, using CA glue to set them in place. There is no mention of rigging in the instructions, so I used online photos to get positions and

alignment. The landing gear was added, again a great fit. I then added the remaining small parts and the propeller, removed the canopy and window masks, painted in the navigation lights, bringing the build to conclusion.

Although I got a little frustrated with the paint scheme, I enjoyed the build. The kit goes together well and is a large model with a wingspan of 38cm, so it will take up some room. I have no doubt that I am off somewhat with my colours, I can live with that, it is definitely an eye-catching scheme, standing out on the display shelf amongst more traditional camouflage schemes. **modelm**



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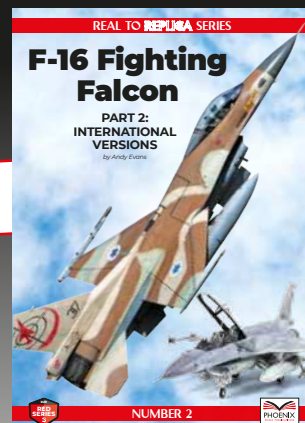
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DUO SET Mini-Mig's

IAN GASKELL HAS FUN WITH THE FREEDOM MODELS MiG-21 DUO SET

FREEDOM MODELS

I've discovered that the rise in Egg Planes, Toon Tanks, and other caricature type models, seems to have

divided modellers opinions. Love them or hate them, there are an ever-increasing number about, and from an increasing number of kit producers. Personally, I like them. I also love MiG's. So, when Freedom Models released a MiG-21 duo set, for their Compact Series, I had to get them! The set comes with a pair of MiG-21's, an MF/Bis looking variant, and a UM 2 seat variant. They also come with caricature pilots too. As these are a bit of fun, don't expect huge amounts of accurate detail. The cockpit is very sparse, but you do get decals for the main instrument panels. You also get a choice of fuel tanks, missiles, and rocket pods. The cockpits were painted with Akan's Emerald Green (for MiG cockpits), and the decals applied. A little bit of Ammo wash helped just to give some dimension to the tubs.

BUILDING

Now the fuselage halves were cemented together. The fit was very good, just some filling and sanding on the underside was required. There are two different tail sections included, one for the MF/Bis, and one for the UM. These were glued, along with the wings, and the horizontal stabilisers. The undercarriage was also glued, as the struts are quite basic looking, so they could be brush painted toward the end. Next the pilot figures were assembled, although I did find that their legs needed 'shortening', in order to get seated right.

MiG-21 Duo Set

Manufacturer: Freedom Models
Kit Type: Plastic injection moulded
Kit Number: 162715

Their flight suits were painted olive drab, and their helmets white. They were then given a coat or two of Alclad Aqua Gloss, and a light oil wash. The excess was cleaned off, once dry, and some matte varnish was applied. Lastly, a light dry brush with some of Ammo by Mig Light Green Dry Brush Paint finished them off. The pilots were cemented in place within the cockpits. The canopies were masked using Tamiya tape, then glued in place. I used some Mr Hobby masking fluid to cover any gaps in the tape, just to be on the safe side.



The set comes with a pair of MiG-21's, an MF/Bis looking variant, and a UM 2 seat variant

PAINTING

Now it's time to start the painting stage. Firstly, I primed the fuel tanks (for the UM) and missiles (for the MF/Bis) and put them to one side. Then I primed the two airframes, using Alclad's black primer, with microfiller, and left them to dry until the following day. I then used some fine micromesh cloth to gently wipe over the





primer to give a smoother surface for the paint. For the MF/Bis, I chose a typical brown and green camouflage scheme, as indicated in the instructions. For the UM I chose the rather bright yellow Hungarian 'Capeti' scheme, even though it was only a single seat variant of the MiG-21, I just wanted it to look different. On both aircraft, the green dielectric panels and nose cones were painted Hataka Orange Line C327 Radome Green, and then masked off once dry.

On the MF/Bis, the underside was painted Hataka C314 Light Blue. This was masked ready for the upper surface colours. The first camouflage colour painted was Hataka C056 European Green, followed by the brown colour, which was Hataka C237 Light Stone. I didn't see the need to use any Blu-Tac or masking putty for marking out the camouflage, I did all the camouflage freehand. First thing I did

for the UM 'Capeti' scheme was to give it a pink undercoat (Hataka C024 PR Pink). This is much better as a

base for painting yellow, as a black undercoat can give yellow's a green tinge. It wasn't a heavy coat of pink, but just enough to help get a better looking

yellow. The yellow itself was Hataka C066 Insignia Yellow, and this was painted all over, plus the fuel tanks.



DECALS

With the painting completed, the masking was removed from the MF/Bis version's underside, and from both aircraft's dielectric panels. Both aircraft were then given some coats of Aqua Gloss, and the decals were applied. The decals selection is basic, just the red stars and Bort numbers. For the Hungarian Capeti UM, I did have some decals which I could use. When the decals were dry, they were sealed with some more gloss. Before I

started the weathering, the insides of the exhausts were brush painted with Vallejo Metal Colour Steel acrylic paint. The weathering was minimal, just an oil wash with Abteilung Starship Filth, which was cleaned off when dry enough. To seal the oils for now, some Hataka Matt was used, and I'll use more matt toward the end of the build.

Now the undercarriage was cemented in place. The main gear was a bit fiddly because of the cross struts, but once the glue had set, they were solid enough. I then attached the wheels, followed by the wheel-bay doors. The last pieces to be attached were the missiles on the MF/Bis, and the fuel tanks on the UM, plus the pilots on both aircraft. With those in place, another couple of coats of matte were applied, and the canopy masks were removed. I really enjoyed these builds. The kits take little time to build (took me about five hours for both), and the fit is acceptable, for something that is just a bit of fun and areal mojo booster! **modelling**



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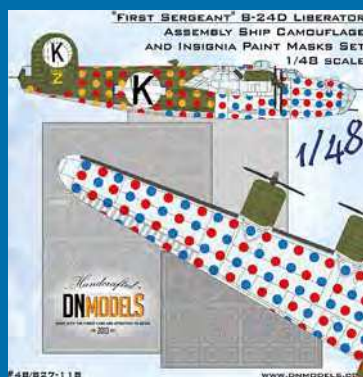


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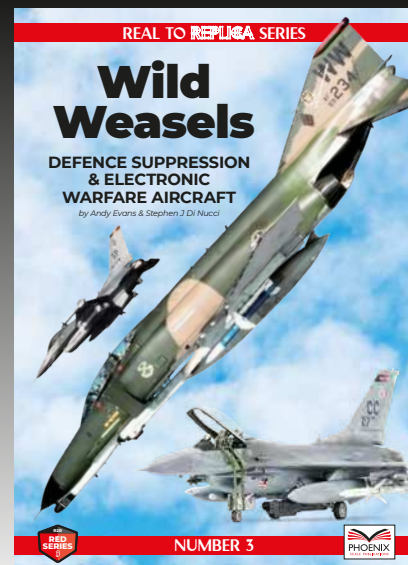
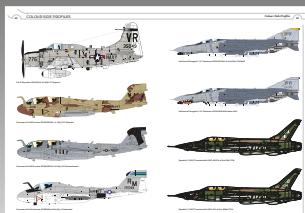
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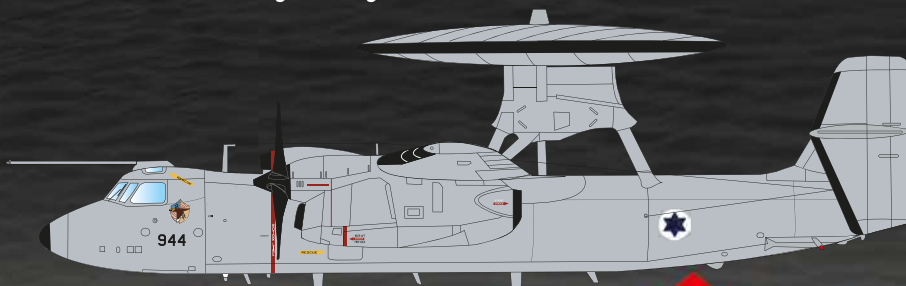
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BOOKS

FIGURES



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Galactic Bounty Hunter



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Uncle Fester

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and Decals



STAR WARS Cad Bane

JAVIER ABARCA MIRANDA DETAILS A STAR WARS 3D MODELS VERSION OF THE GALACTIC BOUNTY HUNTER

STAR WARS 3D MODELS

With the new boom that the successful Star Wars movies saga is experiencing in the hands

of various television series, there have been many secondary characters that have gained greater prominence in more than one chapter, making the enormous universe even more vast. This is the case of Cad Bane, for example, a bounty hunter who, thanks to animation series such as Clone Wars, has been brought to life in the latest television show The Book of Boba Fett. Born on the planet Duro, he came to be considered the most effective and deadly bounty hunter in the entire galaxy during the Clone Wars, his client being the one who offered the best price for his services.

Perhaps the most characteristic element of the figure is the leather

The Cad Bane figure is a 3D resin print reproduction of a model from the excellent Star Wars 3D Models, and you can get it on at www.patreon.com/starwars3dmodels or www.starwars3dmodels.gumroad.com. The





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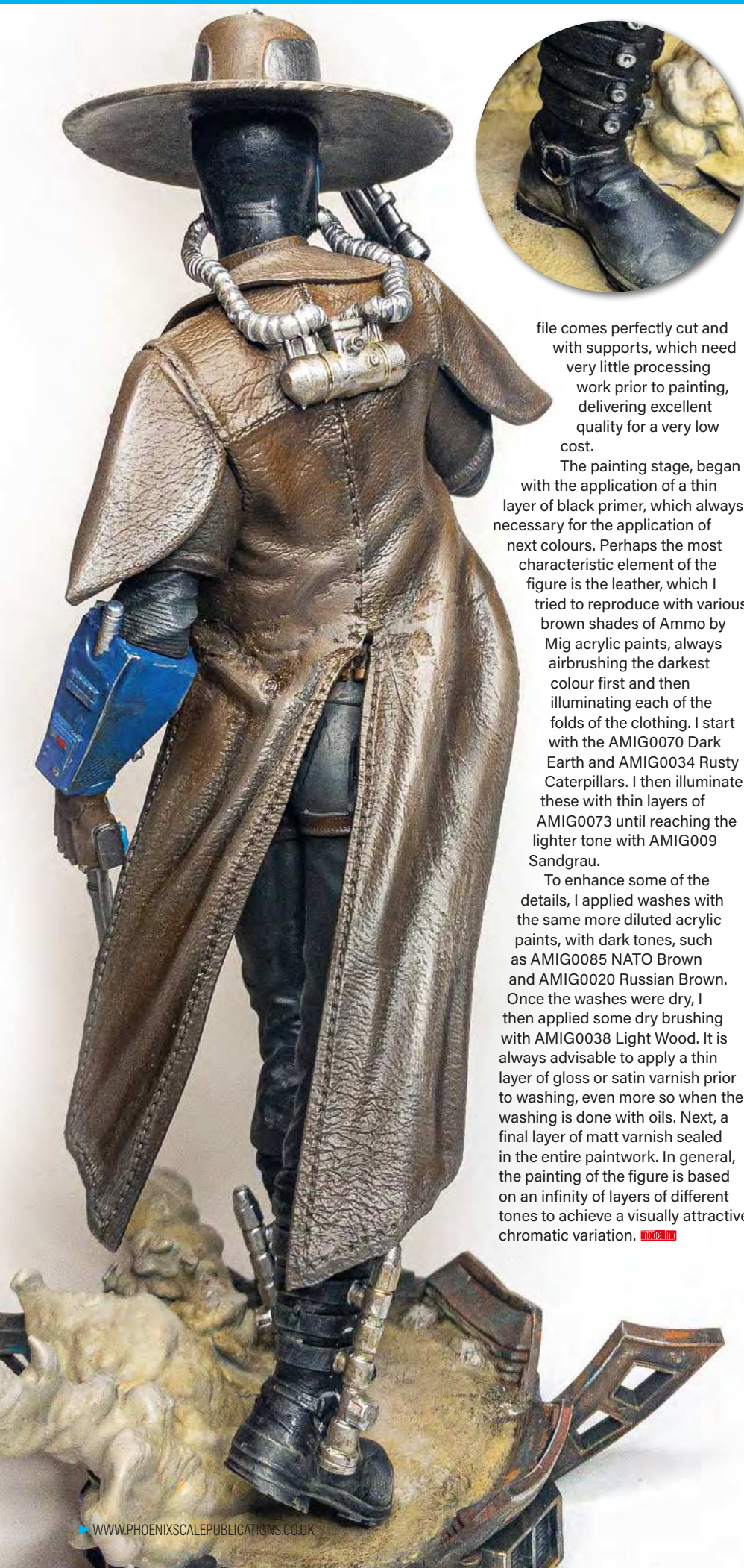
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BOOKS

57





file comes perfectly cut and with supports, which need very little processing work prior to painting, delivering excellent quality for a very low cost.

The painting stage, began with the application of a thin layer of black primer, which always necessary for the application of next colours. Perhaps the most characteristic element of the figure is the leather, which I tried to reproduce with various brown shades of Ammo by Mig acrylic paints, always airbrushing the darkest colour first and then illuminating each of the folds of the clothing. I start with the AMIG0070 Dark Earth and AMIG0034 Rusty Caterpillars. I then illuminate these with thin layers of AMIG0073 until reaching the lighter tone with AMIG009 Sandgrau.

To enhance some of the details, I applied washes with the same more diluted acrylic paints, with dark tones, such as AMIG0085 NATO Brown and AMIG0020 Russian Brown. Once the washes were dry, I then applied some dry brushing with AMIG0038 Light Wood. It is always advisable to apply a thin layer of gloss or satin varnish prior to washing, even more so when the washing is done with oils. Next, a final layer of matt varnish sealed in the entire paintwork. In general, the painting of the figure is based on an infinity of layers of different tones to achieve a visually attractive chromatic variation. www.migjnr.com





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FIGURES



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BOOKS

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Family Values Uncle Fester

JEZZ COLEMAN DETAILS A 3D PRINTED ADDAMS FAMILY BUST

3D PRINTING

Uncle Fester is a completely hairless, hunched, and barrel-shaped man with dark, sunken eyes and often a deranged smile. He always wears a heavy, full-length coat.

Despite Uncle Fester's menacing look and bizarre behaviour, he is gentle and caring to everyone, and shows great respect to Gomez and Morticia. He has always exhibited love and great care to his niece and nephews, despite their frequent naughtiness.

THE MOVIE

In the movie, Fester was played by Christopher Lloyd is the long-lost brother of Gomez Addams. He was believed to have been lost in the Bermuda Triangle for twenty-five years. A loan shark named Abigail Crave conspires to steal the Addams's fortune using her son, Gordon, who displays an eerie resemblance to the missing Fester. On the night that the Addams hold a seance to contact Fester's spirit, Gordon shows up at their door, posing as Fester. Although he is baffled and horrified by the Addams at first, Gordon begins to take a liking to the family and their strange ways. In the end, he disobeys his mother and helps Gomez and his family get their house back. It is later discovered that Gordon is actually Fester, found by Abigail, and his accident has caused him to suffer from Amnesia, which is eventually cured by a lightning strike to his head.

AN ECLECTIC COLLECTION

When it comes to my taste in modelling subjects I have somewhat of an eclectic

As far as 3D printing goes for me, I think this was a great success for my first FDM print



collection, and this Uncle Fester 3D print will fit right in on the shelf of my display cabinet. Since owning several resin printers, which produce superb resolution models in glorious 4K! One drawback is the current cost to printing models in resin, which that can sometimes get quite expensive on larger models. So, with my birthday only a week or so away I decided to treat myself to another gadget, that being a filament FDM printer. I then jumped in feet first and decided to make this Uncle Fester one of the first prints on the new machine. As this model was a straightforward thing to print, if anyone knows thing or two about the process, it had no supports needed in the printing stage, which made it a perfect fit project.



3D PRINTING AND PAINTING

After waiting for about seven hours the printer hadn't let me down, and it had done its thing and I was greeted with a complete bust of Uncle Fester, and the resemblance to Christopher Lloyd was uncanny! Painting the model should be quite straightforward, and firstly I primed the model with black and then followed with a very light mist coat of white directed from above this creates an imaginary light source which will help when painting highlights and shadows. I started the painting process proper around face, and firstly I applied a medium skin tone over the entire area, as I wanted to face the to be quite pale in comparison to a normal skin tone. I then added varying amounts of white, and ivory layers of the base skin tone which helped to create some contours to the very pale one. Once I was happy with the overall look, I then dry brushed on some ivory and white to really make the folds and creases in the facial expression even more prominent.

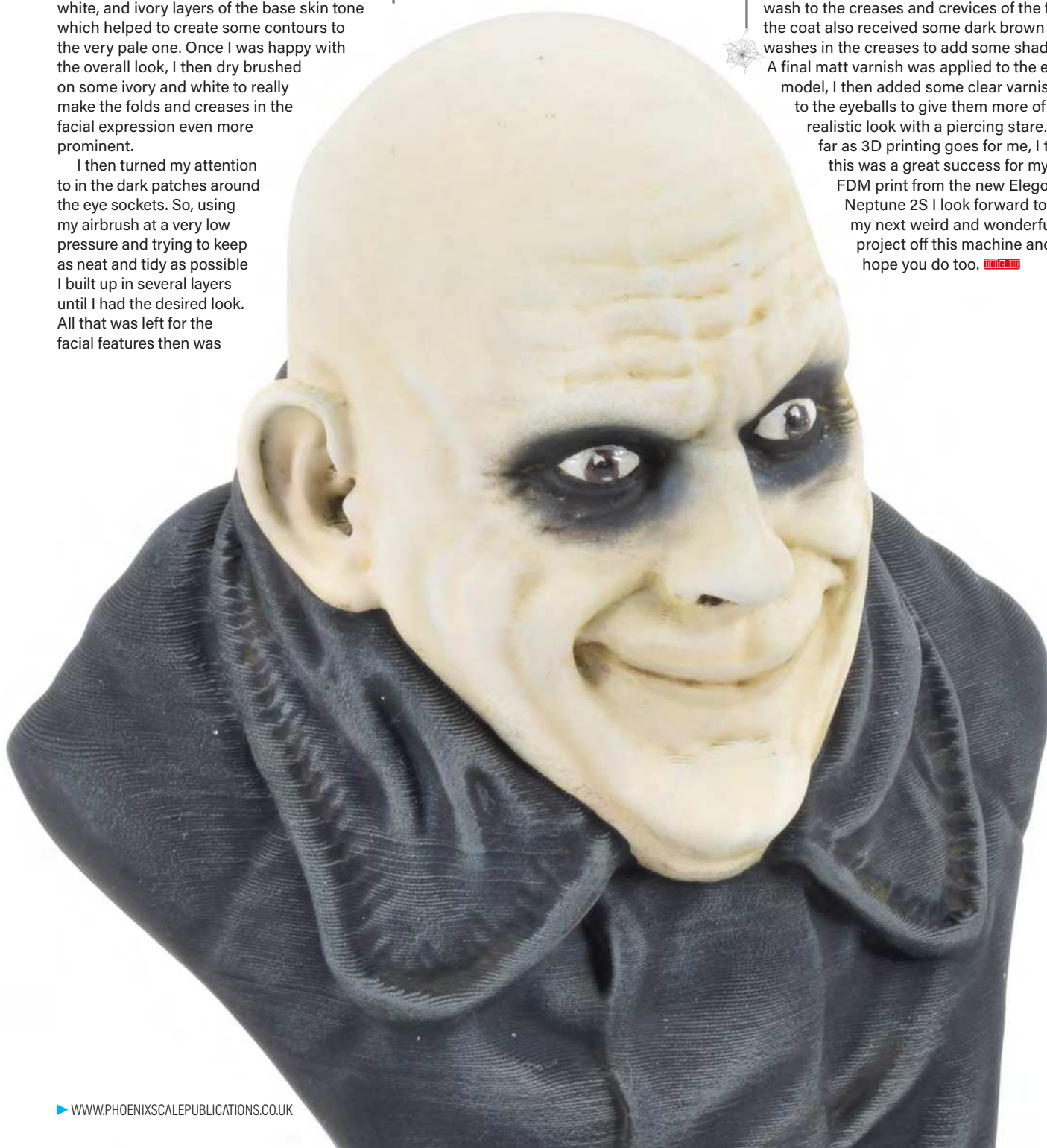
I then turned my attention to in the dark patches around the eye sockets. So, using my airbrush at a very low pressure and trying to keep as neat and tidy as possible I built up in several layers until I had the desired look. All that was left for the facial features then was

paint the eyeballs. For this I used a slight off-white shade, as I felt pure white would be too intense, especially for the whites of the eyes. Using the finest paintbrush, I have I carefully hand painted the pupil and iris of the eye and added a small dab of white to add a glint to the eyes. His overcoat was simply brush painted using black this was then dry brushed with several shades of grey to highlight the creases and folds.



FINISHING OFF

The base was painted in a dark grey with a light dry brushing of bronze to pick out the raised details on the name plaque and the sharp edges of the base. This is a nice contrast I think to the overall look. The model received a coat of gloss varnish to protect the paintwork prior to some oil washes. I then applied a reddish-brown wash to the creases and crevices of the face; the coat also received some dark brown washes in the creases to add some shadows. A final matt varnish was applied to the entire model, I then added some clear varnish to the eyeballs to give them more of a realistic look with a piercing stare. As far as 3D printing goes for me, I think this was a great success for my first FDM print from the new Elegoo Neptune 2S I look forward to my next weird and wonderful project off this machine and I hope you do too. [modelling](#)





AUTO



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FIGURES



SCI-FI



BOOKS

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SIDE VIEW

NUTS
PLANET

NP-T35045 - 1:35 Belford Mk.2
NP-T12002 - 1:35 Freshman Lily
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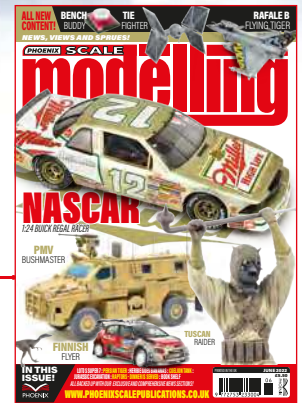
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Rust in Peace

ROBERT STINCHCOMBE ADDS THE BANDAI HG MSM-03C HY-GOGG GUNDAM PRINCIPALITY OF ZEON AMPHIBIOUS MOBILE SUIT TO A DIORAMA

BANDAI

Gundam's, well or to give them their full title 'Mobile Suit Gundam' are a range of large machines that are

mostly manned by a human in a cockpit of the upper torso with a camera and other vision and optical equipment contained in the head. The Gundam series was first conceived back in the late 1970s and was first known as Gunboy, and a few other titles were also thrown around, but the ultimate choice fell combining the word 'gun' due to their armament and the 'dom' as part of their 'freedom fighting roles. That then became 'Gundam'. The stories were developed from around 1979 starting with Mobile Suit Gundam, and since then there have been numerous different series and even films, each bringing different mobile suits into the world, and the series has also been made into several games for different gaming platforms.

I wanted to create a scene showing and abandoned Gundam slumped against a rock

I have always been a big fan of Manga and Japanese Anime and began to collect Macross kits, then slowly I got into Gundam and now have a good mixed collection of built and unbuilt suits. I've wanted to do a Gundam diorama for some time now using a Bandai kit, and anyone that has built one of their Star Wars kits will know they come on snap together pre-coloured sprues, so for the younger modeller or beginner they don't have to be painted, and their Gundam kits are no different. The kit I am building here then is one from the HG range, Mobile Suit 080, and was one the first true amphibious suits. The first 03's was very underpowered and lacked firepower, so after the one-year war it was redesigned and out of that came the 03C, a lighter, smaller more powerful and better armed Gundam.





AUTO



MILITARY



AIRCRAFT



FIGURES



SCI-FI

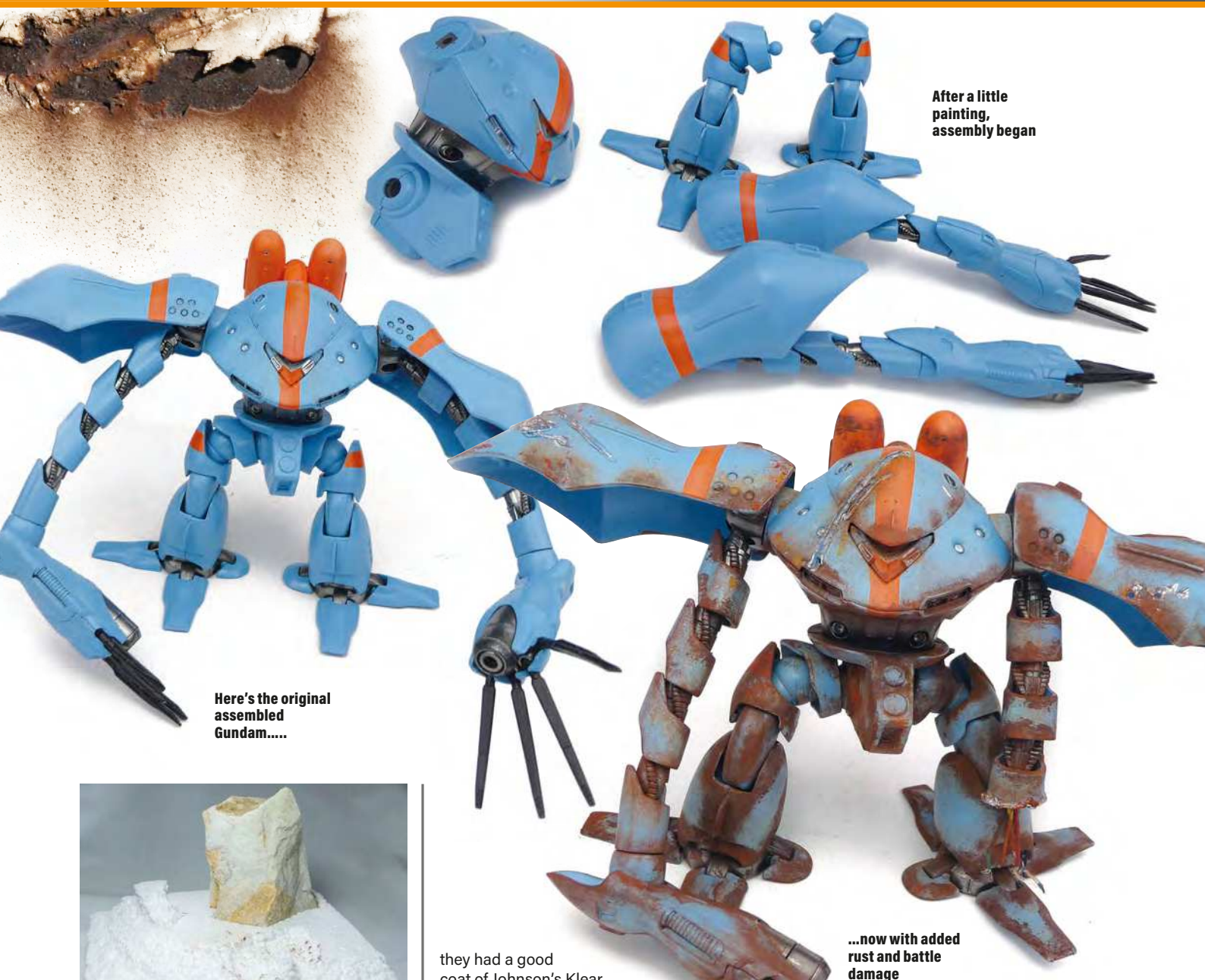


BOOKS

69



Preparing the parts



After a little painting, assembly began

Here's the original assembled Gundam.....

...now with added rust and battle damage



Starting work in the base

Back to the kit, which is contained on five sprues, with all the poly caps for the joints. The main sprues are all pre-coloured in light blue and orange and can be built straight-from-the-box if desired. I started by cleaning up the plastic and any sprue gates, then I polished the parts up so the paint finish would be nice and clean. Once that was done and after some deliberation with the paint schemes, I decided to go with similar colours to the box scheme and painted accordingly using Mr Hobby colours. All the inner frame parts were first painted in Alclad Black Chrome and left to dry overnight. Once the main other parts were dry,

they had a good coat of Johnson's Klear then some areas were masked off for the orange bands. I did these just to add some colour and to break up the blue. Here I first added some white and once dry I applied the orange, which was also sprayed on the backpack. This was then sealed with another

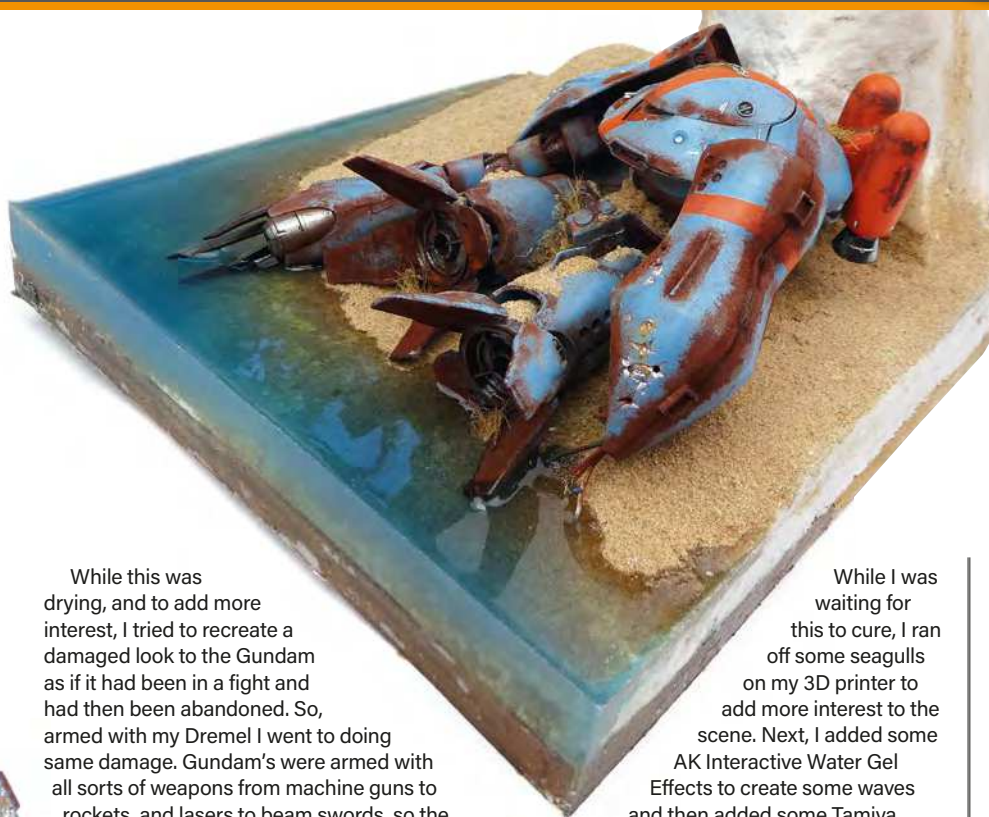
coat of Klear. Once dry, the Gundam was assembled and ready to be placed in a diorama.

I then turned my attention to the base. I found a suitable piece of wood and then gathered a

few small sized rocks I purchased from a garden centre that would be ideal for some groundwork. I then set about getting a proper feel of the placement of things on the base and how going to set the Gundam, as I wanted him slumped against a rock, I started the build-up using a piece of polystyrene and just carved it to the shape I wanted. I had decided to try and do a beach scene with the sea just on the edged. So, once I was happy that had the polystyrene to the shape and height I was happy with, I added a coat of tile grout powder, as find this is stronger than plaster, plus it's also waterproof so won't absorb the paint and glue like plaster does. Once applied it was left to dry for twenty-four hours.

Positioning the Gundam





While this was drying, and to add more interest, I tried to recreate a damaged look to the Gundam as if it had been in a fight and had then been abandoned. So, armed with my Dremel I went to doing some damage. Gundam's were armed with all sorts of weapons from machine guns to rockets, and lasers to beam swords, so the battle damage reflected this. Once this were done, I touched up the edges with some chrome paint, and I also decided to have the lower part of one arm missing. Here I placed some wires protruding and just hanging there as if a weapon had been blown off. Next using a few different shades of oils, I blended these in to fade the paintwork and give it used look.

The next job was weathering, and to get a good old rusty look, using various solutions, including Ammo by Mig Dark Star Light Rust pigments set with AK Interactive Pigment Fixer were used. With all the rust and weathering done I now was ready to glue the figure in place, and I had to repose him a few times to get the right look. I set the Gundam with its back to the rock and then I coated the areas around and over the suit with PVA glue and sprinkled some fine play sand over it, building up more layers in certain areas to show that the suit had been abandoned to the elements a long while ago. I then turned to the water. Here I used some two-part resin tinted with blue paint and poured this into the front section of the diorama and left it to dry thoroughly.

While I was waiting for this to cure, I ran off some seagulls on my 3D printer to add more interest to the scene. Next, I added some AK Interactive Water Gel Effects to create some waves and then added some Tamiya White to create crests on the waves.

Lastly, I added some AK Interactive Wet Effects to add a final gloss look to the water. For some final touches I added a few tufts of grass in places just to break up the sand, and then added a piece a net to look as if washed up on the beach at some point. On top of the rock and on the Gundam I made few birds' nests for the seagulls from some seagrass dipped in PVA. Once the entire scene had completely dried, I tidied up the base edges and added a light wood stain. In places this was a challenging project and included a few firsts in terms of modelling. That said, I really enjoyed it and I hope it encourages you to try something a little bit different! modelmag.com



Space Marines

ADAM CHALLENGER TAKES A LOOK AT THE MCFARLANE TOYS WARHAMMER SEVEN-INCH SPACE MARINES RANGE

MCFARLANE TOYS

In my younger days I loved the Space Marines from the Warhammer 40K world. I remember I had the board game 'Space Crusade', but I was never into actually playing the game, but was always interested in the figures! So, I guess I was just more into the modelling and painting side of things. In 2020 it was announced that McFarlane, a company well known for making action figures, would work with Games Workshop and their Warhammer brand to bring some seven-inch scale Warhammer 40K action figures to market. This new line would feature fully painted standard figures and also some unpainted artists proofs that could be taken apart and hand painted by collectors, very much aligned to the hobby and the painting of the original 25mm miniatures.



In this article, I'll be taking look at three of these figures, and first up is a 'Primaris Assault Intercessor Space Marine'. To start, I must admit I was surprised how heavy the figures actually were, as the main bodies are cast in a solid grey, somewhat flexible plastic. I watched a quick YouTube tutorial for tips on how to take the Marines apart, and I had to soak them in hot water to make the plastic more workable. They then came apart using some moderate force. Most of the pieces had ball joints, as you would expect from action figures.

Once they were disassembled, there was a little bit of clean-up of mould lines needed, then I was able to prime all the parts using UMP Grey Primer. I then had to decide what colours to paint them, as there are out of the hundreds, possibly thousands of chapters to choose from with so many different colours! For the first one I chose the Imperial Fists, with their bold yellow colour with black trim. I mainly use Citadel colours, which do require thinning quite a bit when used through an airbrush.





AUTO



MILITARY



AIRCRAFT



FIGURES



SCI-FI



BOOKS

73

**Surprisingly heavy,
the main bodies
are cast in a solid
grey, somewhat
flexible plastic**





For the painting of the main colours and used Averland Sunset for the yellow. After that, and with some careful masking for brushwork, I painted all the black parts with Abaddon Black.

I then shaded some of the parts with a very thinned down dark orange colour, and then highlighted the edges of the parts that would catch the light, and then painted the detail parts such as the eyes. I printed out some Imperial Fist logos and to paint onto the shoulder pads. I also decided I would only do some minimal weathering and battle damage. That was pretty much it, a very quick job, which made a nice change from my usual projects! Once I'd put the marine together it looked really good, and I was happy with how it came out. I then bought a round wooden base off eBay, painted it black and used the Citadel technical paint called Astrogranite to create some simple moon type groundwork.

For the second, an Ultramarine, I took the project a bit further. I'd recently got myself a resin 3D printer and found some files on the McFarlane Space Marine Facebook page, which were free to download. I printed the

shoulder pads, the skulls on the backpack and chest piece, and a new Bolter rifle, which I preferred the look of. It can take a bit of searching for the right files but being free, they were certainly worth it. The shoulder pads have raised details, which made painting easier and was a bonus not having to mask the chapter logos. The main colour was Macagge Blue with Liberator Gold highlights. For the base this time I used The AK Interactive Terrain Sandy Desert. Gives a really nice desert sand effect.

For the third and final Marine, I chose one from the White Scars, and did the same as above for prepping for painting but added a base coat of Tamiya XF-2. I upped the game again on this one and printed a rather large banner, which some Marines have attached to their backpacks. It took a few tries to get the print right, but I think it was worth the time and effort. I also printed a sniper rifle; this time and I also found a file for some purity seals (the

wax skulls with the scroll hanging off). I then went back to the previous figures and added some of these too. For this base I used Martian Ironcrust from Citadel. It looked similar to a Mars base, which suited the red on the Marine.

McFarlane have started releasing more Warhammer figures lately, including Chaos Marines and Orcs, and I'll certainly be revisiting these and painting more in the future. If you have even the slight interest in Warhammer, then these figures are really nice projects to work on and look great when finished. [More info](#)



SIDE VIEW

POLAR LIGHTS/
ROUND 2

PL955 – 1:32 Galileo Shuttle with Interior

www.polarlights.com
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MODELS

401 – The Fly

www.monarch-models.com
MOEBIUS
MODELS

MMK2011 – 1:72 2001 Space Clipper

www.moebiusmodels.com

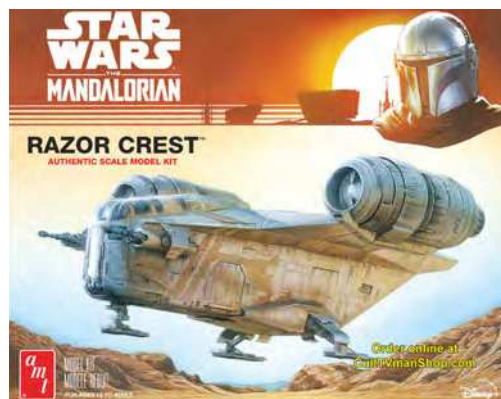

MONOGRAM

► US Space Missiles

www.monogram.com


ROUND 2/AMT

► MPC2021 – 1:72 Razor Crest - Star Wars - The Mandalorian

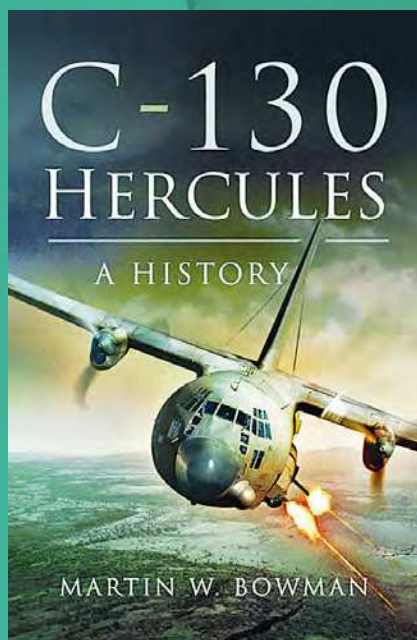
www.round2.com


DHG MODELS

1:35 Lost in Space Chariot

www.dhgmodels.com


BOOKS



C-130 Hercules

PUBLISHER: PEN & SWORD
AUTHOR: MARTIN W BOWMAN

Designed in response to a 1951 requirement, the C-130 Hercules is the most successful military airlifter ever built. Since it first flew in prototype form on 23 August 1954, more than 2,100 have been produced in over eighty different versions. Across its variants, the Hercules serves more than sixty air forces, as well as many civilian cargo operators, in a multiplicity of roles, including air-to-air refueller, gunship, airborne command post, flying hospital and fire-fighter. This rugged and easily maintained aircraft entered service in 1956 with the USAF Tactical Air Command. Ten years later the 'Charlie 130' was providing the essential logistical support in Vietnam. This period in South-East Asia was the Hercules' finest hour. Parachutes, airlift and evacuation operations were completed around the clock, often at low level, usually under fire and nearly always in bad weather. A generation later this 'Mr Dependable' was serving with equal distinction in the Gulf War in the role of airlifter, radio-countermeasures and 'psy-ops' platform, gunship and, once again, 'block-buster bomber'. The 'Herky Bird' or 'Fat Albert', as the C-130 is fondly known, has proved a key component in humanitarian relief operations ever since, in all parts of the world.

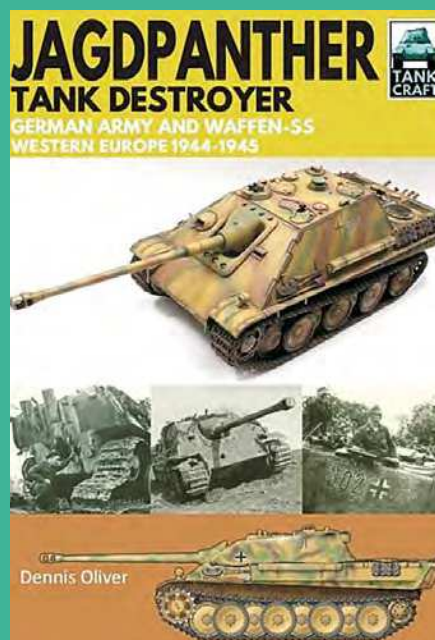
www.pen-and-sword.co.uk

Jagdpanther Tank Destroyer

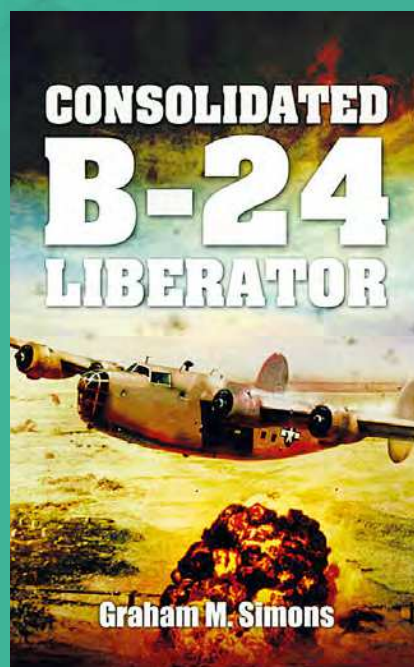
PUBLISHER: PEN & SWORD
AUTHOR: DENNIS OLIVER

Combining the destructive firepower of the 88mm gun with the outstanding mobility of the Panther series, the Jagdpanther is quite probably the best-known tank destroyer of the Second World War. In the vehicle's first action on 30 July 1944, three Jagdpanthers managed to destroy eleven British tanks in a vicious two-minute firefight near the village of Les Loges in Normandy, cementing the Jagdpanthers reputation as a potent tank killer. In his fifth book in the TankCraft series, Dennis Oliver uses contemporary photographs and meticulously researched, superbly presented colour and monochrome illustrations to tell the story of these heavy self-propelled anti-tank guns and the units which operated them in the German defence of the Western Front. As with all the books in the TankCraft series, a large part of this work showcases available model kits and aftermarket products, complemented by a gallery of expertly constructed and painted models. Technical details as well as modifications introduced during production and in the field are also explained giving the modeller all the information and knowledge required.

www.pen-and-sword.co.uk



Consolidated B-24 Liberator



PUBLISHER: PEN & SWORD
AUTHOR: GRAHAM M SIMMONS

The Consolidated B-24 Liberator was almost certainly the most versatile Second World War Bomber. Apart from its bombing role in all theatres of operation, the B-24 hauled fuel to France during the push towards Germany, carried troops, fought U-boats in the Atlantic and, probably most important of all, made a vital contribution towards winning the war in the Pacific. Its most famous single exploit is possibly the raid on the Ploesti oilfields in August 1943. The B-24 ended World War Two as the most produced Allied heavy bomber in history, and the most produced American military aircraft at over 18,000 units, thanks in large measure to Henry Ford and the harnessing of American industry. It still holds the distinction as the most produced American military aircraft. The B-24 was used by several Allied air forces and navies, and by every branch of the American armed forces during the war, attaining a distinguished war record with its operations in the Western European, Pacific, Mediterranean and China-Burma-India theatres.

www.pen-and-sword.co.uk

The War of the Gunboats

PUBLISHER: PEN & SWORD

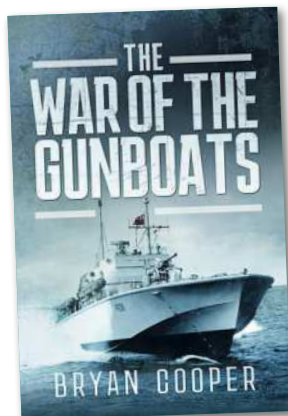
AUTHOR: BRYAN COOPER

The 'little ships' of the Second World War - the fast and highly manoeuvrable motor torpedo boats and gunboats which fought in coastal waters all over the world - developed a special kind of naval warfare. With their

daring nightly raids against an enemy's coastal shipping - and sometimes much larger warships - they acquired the buccaneering spirit of an earlier age. And never more so than in the close hand-to-hand battles which raged between opposing craft when they met in open waters. Large numbers of these small fighting boats were built by

the major naval powers. The Germans called them Schnellboote (Fast Boats), referred to by the British as E-boats (E for Enemy). In the Royal Navy they were MTBs and MGBs. The American equivalent were PT boats (for Patrol Torpedo). They fought in the narrow waters of the English Channel and the stormy North Sea, in the Mediterranean off the coasts of North Africa and Italy and among the islands of the Aegean, across the Pacific from Pearl Harbour to Leyte Gulf, in Hong Kong and Singapore, and off Burma's Arakan coast.

www.pen-and-sword.co.uk



F-4 Phantom II - Flight Craft 28

PUBLISHER: PEN & SWORD

AUTHOR: GEOFF COUGHLIN

This new title in Pen & Sword's highly successful Flight Craft series covers the development and operational use of the F-4 Phantom II and brings to life the variety of colour schemes and markings applied by many of the multiple air arms that have operated the Phantom around the world by including quality colour profiles. Multiple model projects are included covering significant variants of the F-4 like the F-4B, F-4D, F-4E, F-4F, F-4G, F-4J, F-4EJ-Kai; British FGR-2 and F-4J(UK). All the popular model scales are represented: 1:72, 1:48 and 1:32A first for scale modellers everywhere - a book aimed at scale modellers of all levels interested in building the F-4 Phantom II.

www.pen-and-sword.co.uk



Ultimate Collector Cars

PUBLISHER: TASCHEN

AUTHORS: CHARLOTTE & PETER FIELL

This double volume is the unrivalled collector car anthology. It curates 100 of the most exquisite, remarkable, and desirable cars of all time, from the landmark 1903 Mercedes-Simplex 40 hp to the radically designed 2020 McLaren Speedtail. Settling for nothing less than the very best of the best and presenting each model with stunning imagery taken by the world's leading car photographers alongside rare archival treasures.

www.taschen.com



MGB - The Superlative MG

PUBLISHER: CROWOOD

AUTHOR: DAVID KNOWLES

The first-hand accounts from people who were involved with the car bring the story to life and will be a valuable archive in years to come. This book is an essential read for every MGB owner and enthusiast. Packed from cover to cover with information on a wide range of aspects of the 'B', this book is a must for anyone interested in the history and development of Abingdon's most successful sports car.

www.crowood.com



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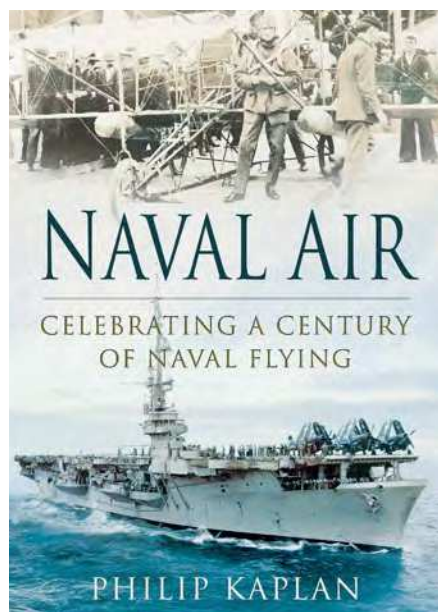
PUBLISHER: PEN & SWORD
AUTHOR: PHILIP KAPLAN

Naval aviation arrived early in the last century in the form of balloons and airships employed by the British Royal Navy for reconnaissance, and interest was stirring in naval circles in a greater aeronautical capacity for the service. Britain's tradition of projecting a global reach through her sea power would, in the view of many, be greatly enhanced by such a capability. Among the first advocates of military aircraft development was British naval minister, Winston Churchill.



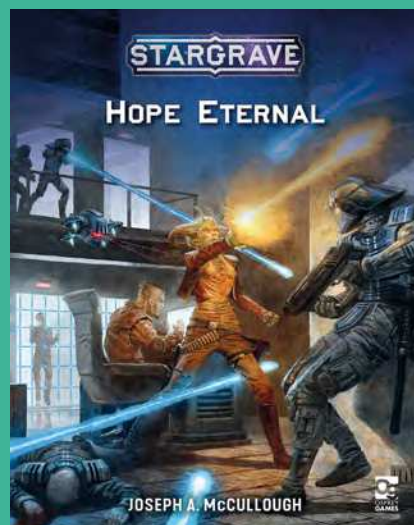
Over the course of the last century since this point of inception, huge leaps have been made in the design, development, and performance of naval aircraft. This comprehensive account, brought to us by eminent aviation historian Philip Kaplan, details the journey from origin through early development into wartime deployment. This is carried forward through post-war innovations and into modern conflicts such as the Falklands campaign. Attention is paid to the key landmarks of aviation history, such as Taranto, Pearl Harbour, The Doolittle Raid, the Battle of Midway and the Korean campaign. Reference is also paid throughout to the flying aces, the high points in the combat careers of the greatest naval and marine aviators of the past century.

www.pen-and-sword.co.uk



Stargrave - Hope Eternal

PUBLISHER: OSPREY
AUTHOR: JOSEPH A MCCULLOUGH



Since the end of the Last War, the great pirate fleets have roamed the ruins of the galaxy, pillaging, extorting, and enslaving. No one has had the power to stand against them, and the desperate few who have tried, have been quickly and brutally crushed. However, when the independent crews are hired for a simple hostage rescue, it leads to a dangerous opportunity to strike a blow against tyranny. Two of the largest and most vicious pirate fleets are meeting for a parlay near the ruins of an ancient research station... one that once experimented with 'supernova-level events'. If the crews can locate the station, slip past the pirates, and infiltrate the facility, it might be possible to release such an event just as the fleets have gathered... Hope Eternal is a solo and cooperative expansion for Stargrave. Along with full rules for playing the game in this new style, the book contains an intricate campaign of connected scenarios. Whether you brave the perils of the campaign alone, or enlist the aid of another independent crew, this is your chance to bring back a little hope to the ravaged galaxy!

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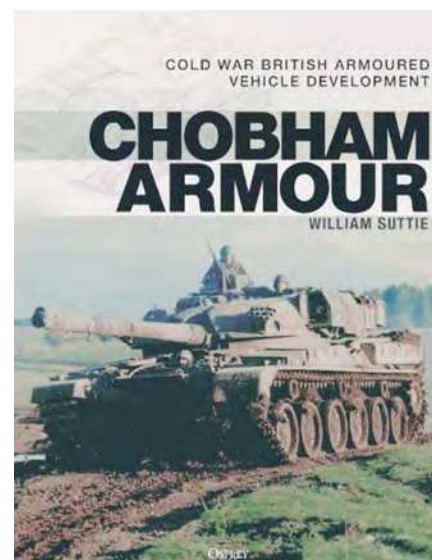


Chobham Armour

PUBLISHER: OSPREY
AUTHOR: WILLIAM SUTTIE

Through much of World War II British tanks and armoured vehicles were outmatched by the German tanks they encountered, and this led to the British Army placing much emphasis on ensuring that the same situation would not arise again if the Cold War turned hot. The task of developing the Main Battle Tanks and supporting armoured vehicles to out-range and quickly destroy the Soviet threat fell to the scientists and engineers at the Fighting Vehicle Research and Development Establishment on Chobham Common near to Chertsey. It was the design authority for all British Military vehicles for most of the period. Military vehicle and equipment expert William Suttie draws extensively on official MOD reports to tell the story of the development of the British Cold War armour, such as the Centurion, Chieftain, Challenger, and many other wheeled and tracked armoured vehicles that served the British Army of The Rhine. The vehicles developed at the Chertsey site were never used for their intended purpose on the plains of North-west Germany but have proved their worth in British operations in places like Korea, Bosnia, Kuwait, Iraq and Afghanistan, as well as in the hands of other users around the world. Fully illustrated with photographs, schemes and drawings, including some that have never been published before, this is a unique detailed overview of the development of all post-war British armoured vehicles.

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Phoenix Bench Buddy

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COMING SOON

FOR THE NEXT ISSUE OF PHOENIX SCALE MODELLING, HERE'S JUST A LITTLE TASTER OF WHAT WE HAVE PLANNED!

Big Yellow Scania

Jezz Coleman builds the 1:24 Italeri S730 Highline

The Ghost of Kyiv

Huw Morgan explores the 1:72 ICM MiG-29 9.13

Thanos!

Mark Thomson builds an Avengers Endgame Resin Bust

Martian Manhunter

Ivan Gilbert details the 1:6 B3dserk 3D printed figure

Maus - German Super Heavy Tank

Scott Taylor of The Scale Modellers Supply builds the 1:72 Vespider Models kit

Desert Challenge

Lee Powell builds the recent 1:48 Tamiya Challenger 2

Is it an Airbrush or a Spaceship?

Robert Stinchcombe builds unique 1:300 Dream Gear Arkhitect Advanced Research Colonizer

PLUS

Extra content is available in our digital issues. So be sure to order your copy now at - www.phoenixscalepublications.co.uk



PLACES TO BE IN 2022

Welcome to our listing of shows large and small from around the world. This month we have a number of new additions to the diary as clubs both large and small start having the confidence that the worst is over and we can get back to seeing each other around the country. If you want your model show to appear here or you would like Phoenix to attend your event and feature it in the digital editions of our magazines, please contact david@phoenixscalepublishing.co.uk at least three months before the show.

Saturday 30th July

IPMS Dundee Show

The Boomerang Centre, 10 Kemback Street, Dundee DD4 6ET

Sunday July 31st

The Essex Model Show EMS

Hannakins Farm Community Centre, Rosebay Avenue, Billericay, Essex

Sunday 7th August

Scale Model Show Tangmere

Military Aviation Museum, Chichester PO20 2ES

Saturday 27th August

Aberdeen Modellers Society Scale Model Show

Thainstone Centre, Near Inverurie AB51 5XZ

Sunday 18th September

WINGS AND THINGS

University Academy, Park Road, Holbeach PE12 7PU

PHOENIX ATTENDING

Saturday 1st October

E-DAY 2022

Milovice Tankdome Exhibition Hall, Jiřická 1999, Milovice, 289 23, Czech Republic

PHOENIX ATTENDING

Saturday 10th to Sunday 11th October

Road, Rail & ALE

Statfold Narrow Gauge Museum, Ashby Road, Tamworth, Staffordshire B79 0BU

Sunday 23rd October

LINCOLN SCALE MODEL SHOW

Lincoln Christ Hospital School, Wragby Road, Lincoln LN2 4PN

PHOENIX ATTENDING

Sunday 23rd October

Falkland 40 show by IPMS Portsmouth

Royal Maritime Club Hotel, Queen Street, Portsmouth PO1 3HS

PHOENIX ATTENDING

Saturday 12th to Sunday 13th November

Scale ModelWorld 2022

The international Centre, Telford, Shropshire TF3 4JH

PHOENIX ATTENDING



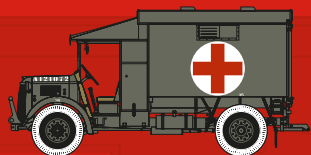


**NEW
MOULD**

1:35



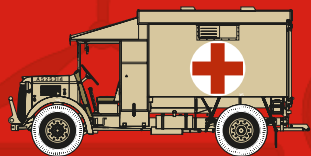
AUSTIN K2/Y AMBULANCE



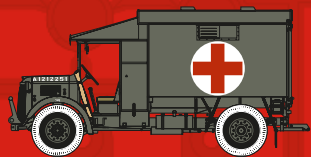
AUSTIN K2/Y AMBULANCE
30 Corps, Motor Ambulance Convoy, Royal Army Service Corps,
North West Europe, 1944.



AUSTIN K2/Y AMBULANCE
British Army, North Africa, 1940.



AUSTIN K2/Y AMBULANCE
British Army, Alexandria, Egypt, 1942.



AUSTIN K2/Y AMBULANCE
Auxiliary Territorial Service, England, 1944.

Length 178mm Width 68mm Pieces 146

A1375 AUSTIN K2/Y AMBULANCE

One of the most famous vehicles of its type, the Austin K2/Y Ambulance was used extensively by British and Commonwealth forces throughout WWII, both in the combat zones of the world and on the home front. Built around the chassis of the Austin K30 light truck, the casualty compartment was developed in conjunction with the Royal Army Medical Corps and therefore proved to be highly functional. Able to carry either four stretcher cases or ten seated casualties, one of the main reasons why the K2/Y was so successful was because it was so rugged and reliable, requiring only a minimum of maintenance - an ambulance should always be ready when you need it.

The rear cabin was typically constructed of painted canvas on a timber frame, with the highly visible red cross on a white disk positioned prominently on all sides to hopefully ensure the vehicles occupants didn't come under fire.



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F/A-18C VFA-27 Royal Maces 2003



F/A-18C VFA-27 Royal Maces 2002



F/A-18C VFA-27 Royal Maces 1999



/Kinetic Model

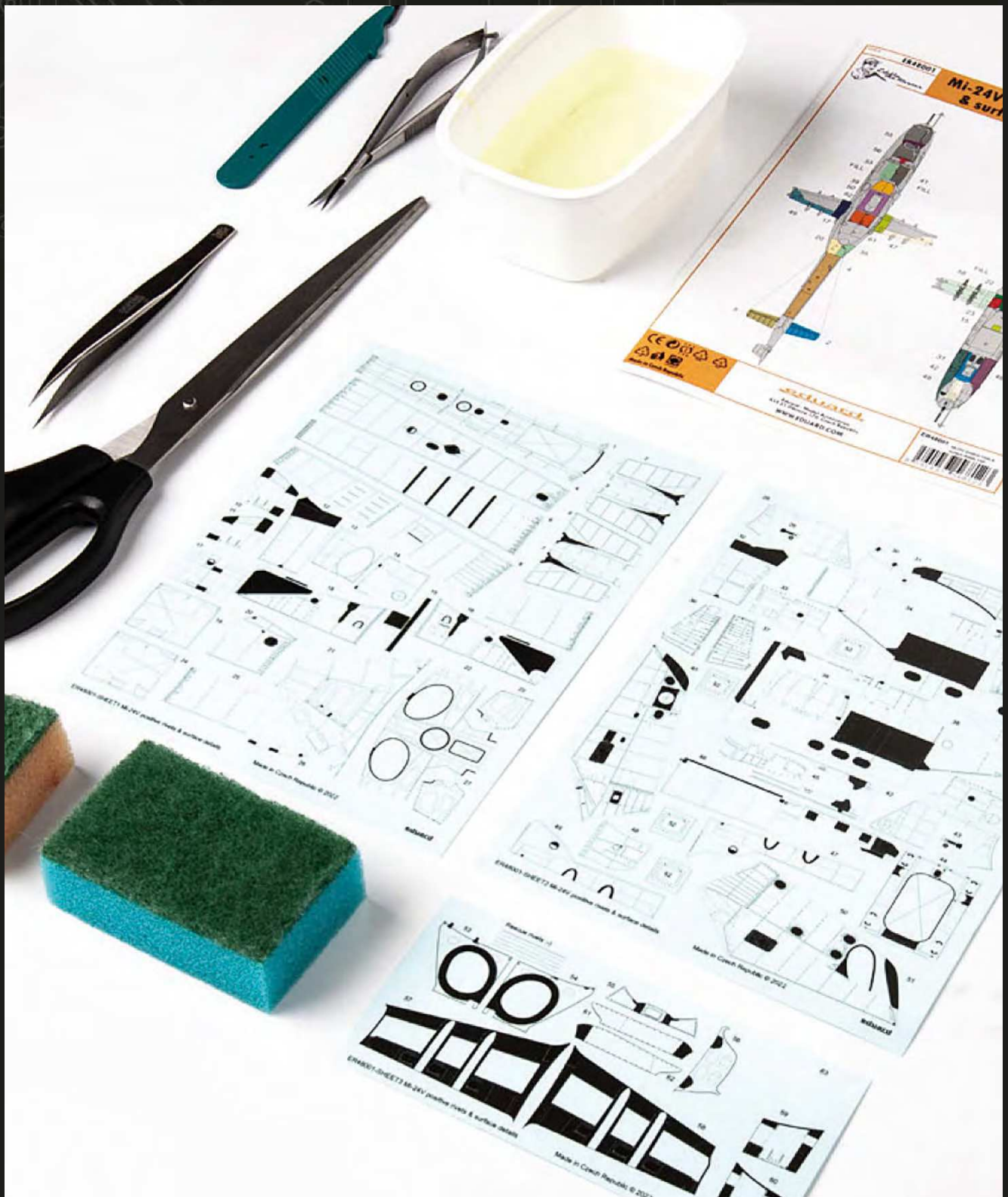


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Eduard GUIDES

HOW TO WORK WITH EDUARD PRODUCTS

Jakub Nademlejský shows us how to apply Eduard decals
(This article previously featured in INFO Eduard Free e-magazine)



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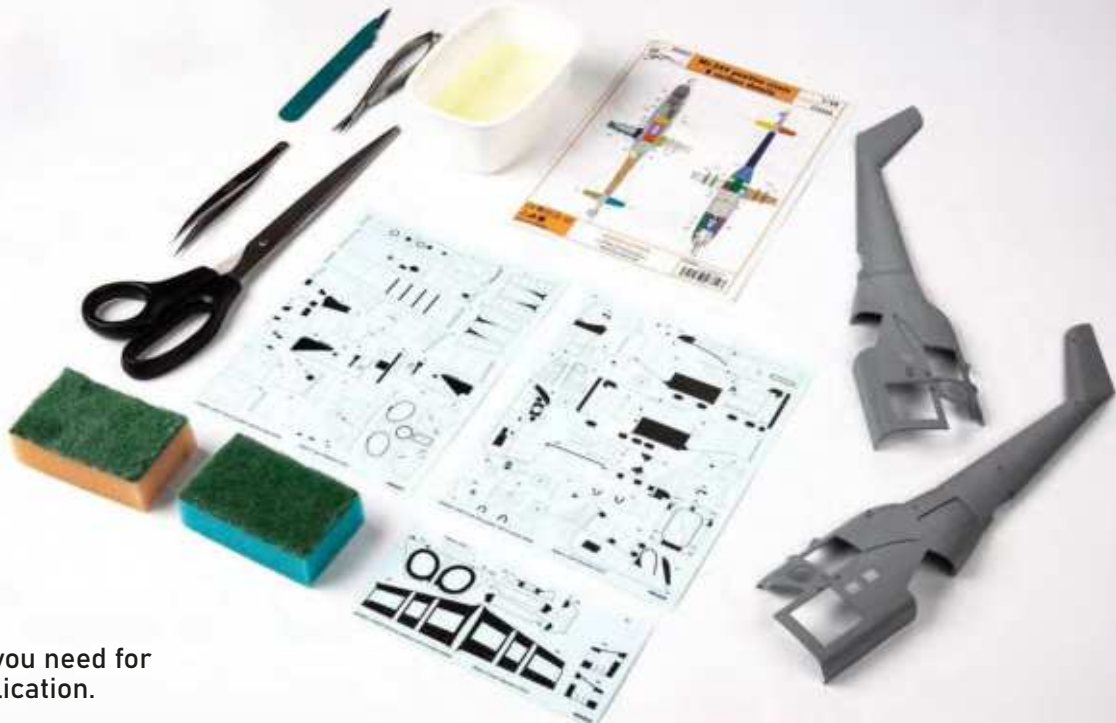
EDUcation

Step by step application

EDDIE THE RIVETER (Cat. No. ER48001)



1



All you need for application.

2

Assemble the model, fill engraved lines and sand off details that are marked in this guide.



Prepare the model for the painting. Spray with Mr. Finishing Surfacer 1500, add drops of Super Gloss Clear to the mixture so that the sprayed model has glossy surface (same grade of smoothness of the surface like for decal application).

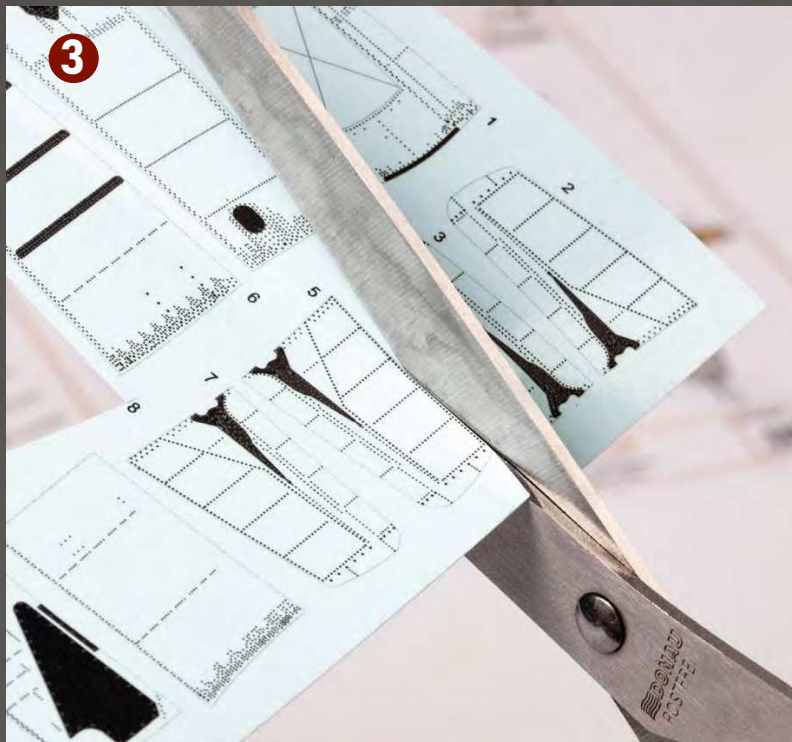
Rivet the Eddie way!



EDUcation

Step by step application

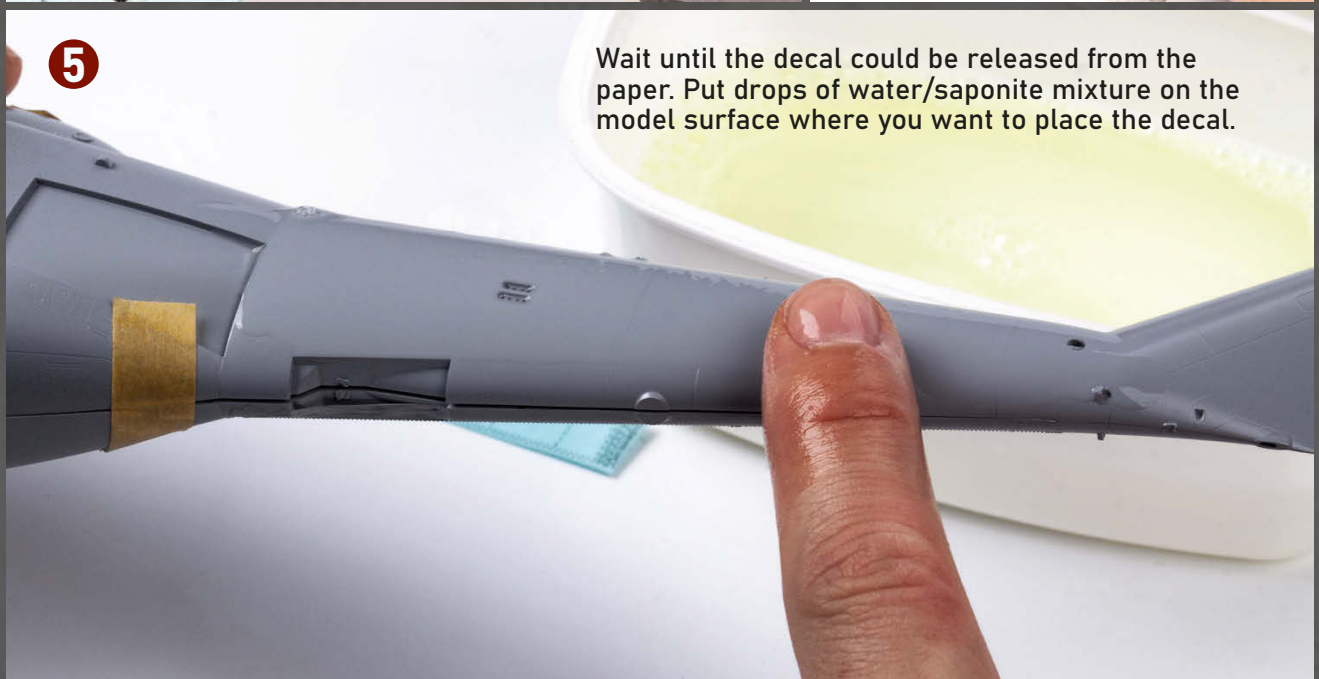
EDDIE THE RIVETER (Cat. No. ER48001)

**3**

Prepare mixture of water (100 ml) and dishwashing saponite (2–3 drops). Soak the dishwashing sponge in the mixture.

Cut off a section with rivets and raised details from the decal paper along the gray line with scissors or sharp modeling knife.

Put it on the sponge then push the sponge so that the decal is wet.

**4****5**

Wait until the decal could be released from the paper. Put drops of water/saponite mixture on the model surface where you want to place the decal.

Rivet the Eddie way!



EDUcation

Step by step application

EDDIE THE RIVETER (Cat. No. ER48001)



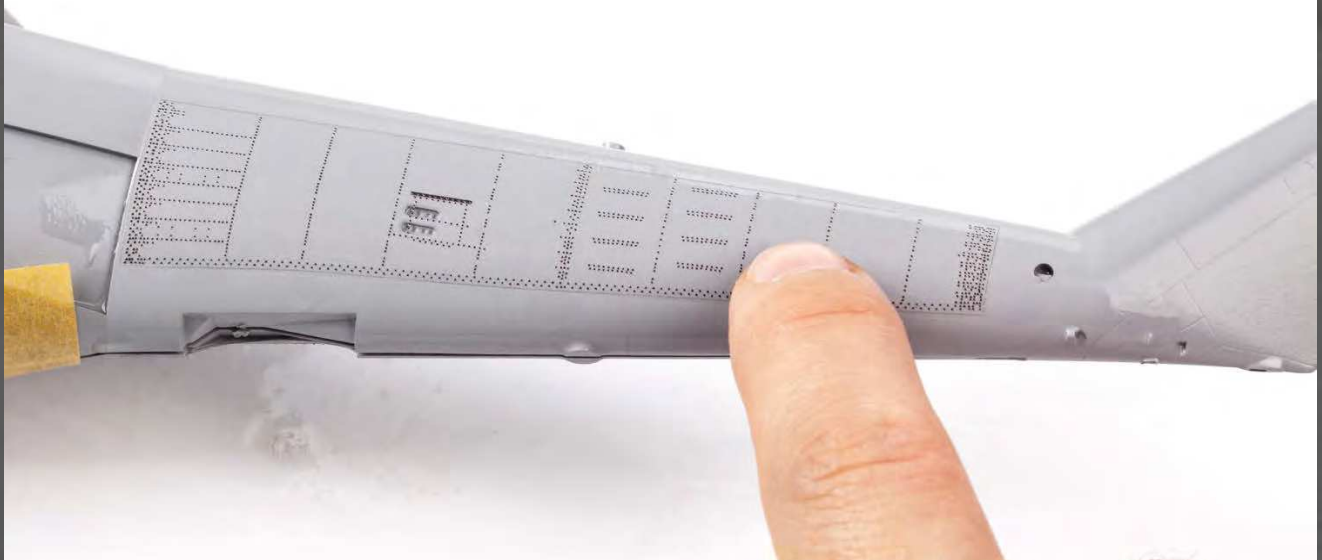
6



Remove the decal from decal paper.

7

Place the decal on its position.



Rivet the Eddie way!



EDUcation

Step by step application

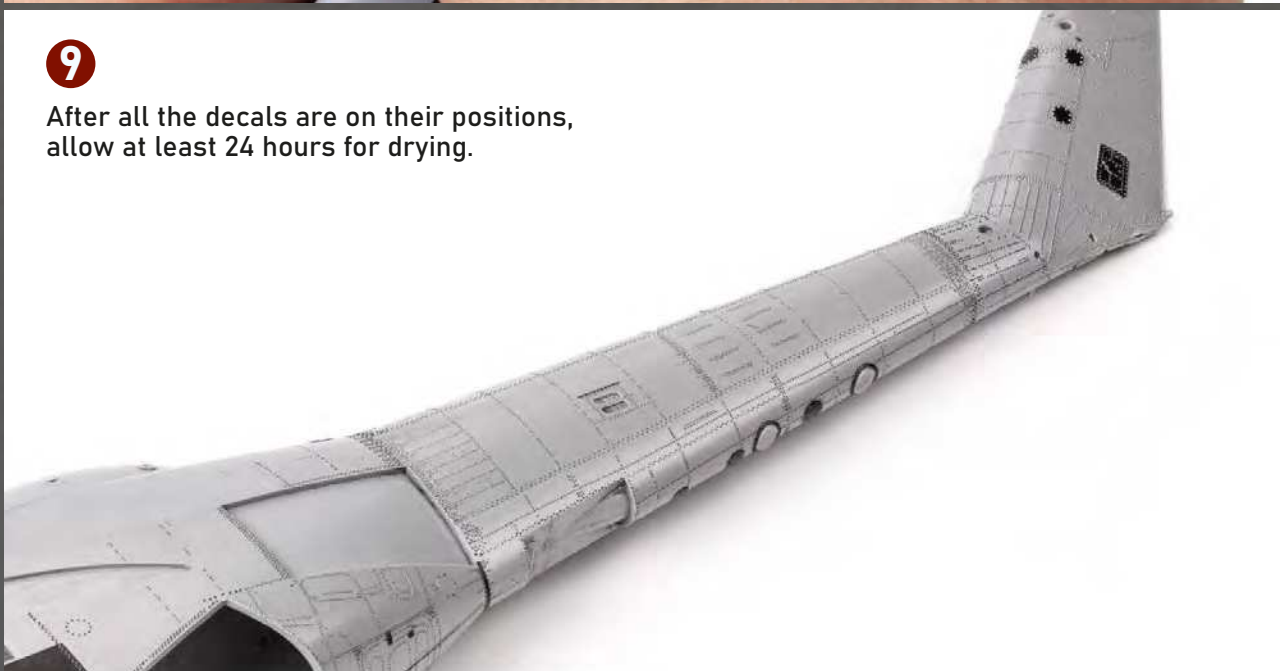
EDDIE THE RIVETER (Cat. No. ER48001)

**8**

Press the applied decal to the surface with dry dishwashing sponge and remove all water. Do not move the sponge! Just apply gentle press and then draw the sponge apart from the surface vertically. Otherwise, the decal might get deformed.

**9**

After all the decals are on their positions, allow at least 24 hours for drying.



Rivet the Eddie way!



EDUcation

Step by step application

EDDIE THE RIVETER (Cat. No. ER48001)

**10**

Then spray 3-5 very thin layers of Mr. Finishing Surfacer 1500 over the whole model using airbrush. Do not use spray in can!

**11**

Continue with painting and final assembly of the model. Pay maximum attention to masking when using masking tape. The adhesion of the tape must be reduced to avoid damage of the Surfacer layer or even the decal!



Rivet the Eddie way!



EDUcation

Step by step application

EDDIE THE RIVETER (Cat. No. ER48001)



One model with
Eddie the Riveter set
and one without this set.



One model with
Eddie the Riveter set
and one without this set.

Rivet the Eddie way!

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The SAAB JAS 39 Gripen

by Andy Evans

The Saab JAS 39 'Gripen' or 'Griffin' forms the primary fighter wing of the Swedish Air Force along with a several other nations. The Gripen is a highly-advanced multi-role aircraft utilising the latest in digital controls and weapons delivery, all the while being produced in a modestly sized and highly streamlined package to strict Swedish Air Force requirements. The JAS 39 has been in operational service since 1997 after a relatively long development period and over 240 of the type have been produced in single-seat and twin-seat forms. The Gripen remains one of the most potent advanced lightweight fighter designs, and is able to undertake a variety of mission roles from air defence to interception, ground attack to armed reconnaissance as well as training. By the end of the 1970s, the Swedish Air Force found itself looking to advance their frontline fighter capabilities over that of the aging Saab Drakens and Viggens. The Draken, with its unique double-delta wing and single-engine design, was introduced in March of 1960 and managed a successful, if modest, existence with several air forces, being produced in 644 examples from 1955 to 1974. The Draken was developed to replace the outgoing Saab J29 Tunnan fighters. Comparatively, the Viggen made its presence known in June of 1971 to which 329 examples were produced from 1970 to 1990. The type was developed as a broader solution to undertake interception, strike and reconnaissance roles and sported a more conventional delta wing profile with forward canards and a single engine design. Work on their replacement began in 1979 with studies undertaken in 1980 to produce a modern end-product worthy of Swedish Air Force needs that could undertake a plethora of required battlefield roles. In 1981, a consortium was formed that involved Saab, Volvo Aero Corporation, Ericsson/GEC-Marconi and FFV Aerotech to design, develop and produce various portions of the aircraft. The end result became produced the JAS 39A Gripen fighter and the JAS 39B two-seat trainer, and then the updated JAS 39C, followed by a redesign producing the F39E/F. The Gripen has a very sleek design incorporating a large-area, rear-set delta-wing configuration, removing the need for horizontal tailplanes while increasing internal fuel loads and external weapons-carrying capabilities. The wings were low-mounted on a slab-sided tubular fuselage frame to which the gently sloped nose cone capped the front end. Under the nose cone was the powerful search-and-tracking facility that allowed for 'look-down/shoot-down' capability and multiple target 'track-while-scan' and target assessment, all delivered to the pilot in real-time. The Gripen can carry a huge variety of air to air and air to ground variety of weaponry as well reconnaissance pods and is currently in service with the Swedish Air Force as well as the air arms of Hungary, South Africa, Thailand, and Brazil, with other potential operators on the horizon. This 100-page full colour 'Blue Series' book looks in detail at the history and employment of the Gripen, with photographic references, walk arounds, and as the 'Real to Replica' title suggests there is a section on how to model the Gripen in popular scales, making this book and ideal resource for both the enthusiast and scale modeller alike.



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