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MARCH 2022



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# Concept to Reality

*WELCOME TO THE MARCH ISSUE OF PHOENIX SCALE MODELLING*

**W**e launched our 'concept issue' at IPMS Scale Model World 2021 held at the Telford International

Centre in November, and as you can see things have now moved on apace. 'PSM' as we know it, was set up by a group of four like-minded individuals, and we made no secret of the fact the 'concept issue' was put together in just four weeks and was designed as a base for our ideas and to see what modellers at the show thought of our labours.

We only had a small stand at the show and only started advertising our presence the week before the event as we were not sure we would be ready. So, we were pleasantly surprised at the reaction to our efforts, and that we had customers two to three deep at some points during the day! This year, hopefully we plan to have a much bigger stand so it will be easier to see our full range of products, and also, we will have more room to chat to show goers. It was also very pleasing to see so many copies of our magazines behind the club stands during the weekend and certainly we were given a lot of feedback on what we should be doing and should not be doing in future issues. One of the big topics of conversation was what mix of subjects we should be featuring in future issues. Our plan was to have a visually exciting and inspirational publication with



'Automotive', Sci-Fi', 'Military', 'Figures' and 'Maritime' modelling as our core, and from the feedback at the show and subsequent follow-up emails and messages from Issue 1, we are hopefully on the right track. With such a wide and diverse array of models available in all of these genres, the plan is to build on this and make PSM 'the' magazine for modellers of all interests. So, in this issue we have plenty for you to enjoy from a Harley Davidson 'Fatboy' motorcycle, a Martini Racing Porsche, a Dark Reaper A-26 bomber, a Celtic Standard Bearer, Gusion Gundam and a rather amusing General Darg fantasy figure, plus much, much more. We also now have a range of subscriptions available on our website, and you can also purchase a digital copy of the magazine, which contains some 30 additional pages from Pocketmags. For our non-UK readers, we strongly recommend the digital version as the way to go, mainly due to the ever-increasing postage costs around the world and long delivery times. Finally, if you would like to write for PSM, please drop us an email at [andy@phoenixscalepublications.co.uk](mailto:andy@phoenixscalepublications.co.uk), we'd be delighted to hear from you.

*Team Phoenix*



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Main cover image - Mark Thomson  
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# AUTOMOTIVE



**08** Porsche 934 RSR  
Martini Racing

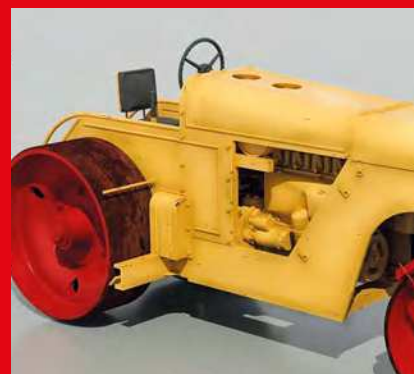
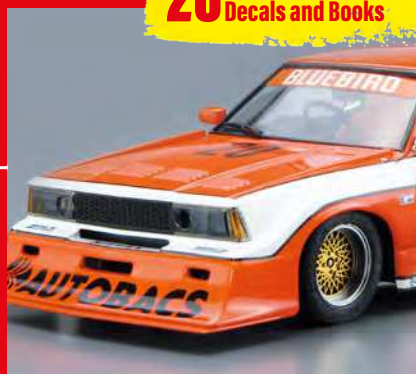


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# Martini Racing

**MARK THOMSON BUILDS THE 1:24  
REVELL PORSCHE 934 RSR**



**REVELL**

**W**hen it comes to 1970s road racing events, there was Ferrari, Lamborghini, Porsche, then everybody else.

The Porsche 934 RSR is the race version of the iconic 911 Turbo, built for the group 4 FIA rules for the 1976 season. It had been produced for the racetrack by the time it was replaced in 1978. The 1976 Porsche 934 RSR FIA GR/4 was one of the most important years in road racing series, as in the years following, each of the large road-racing series implemented rule changes that would eliminate these cars being road legal. This 1976 Porsche is one of the last examples of a road-legal race car, which means you

## Porsche 934 RSR

**'Martini Racing'**

**Manufacturer:** Revell

**Scale:** 1:24

**Kit Type:** Plastic injection moulded

**Kit Number:** 07685

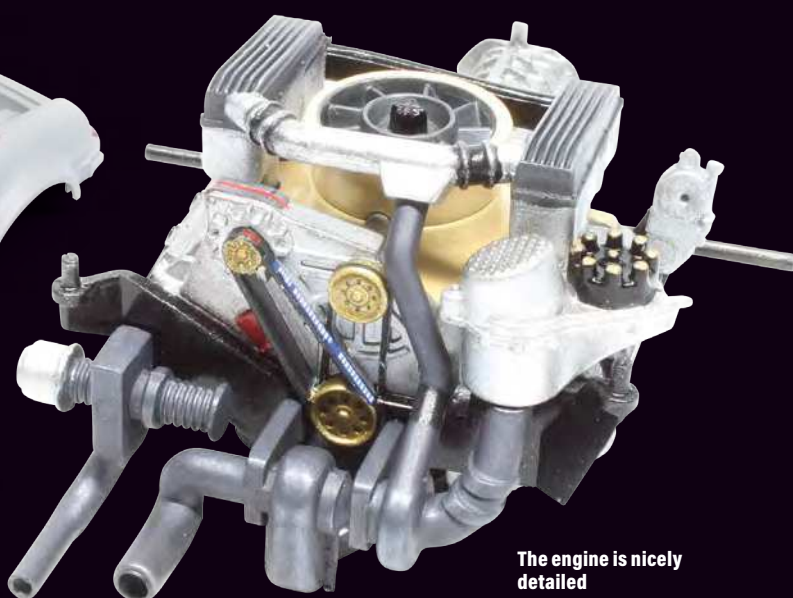
can drive it on any city street. Despite the Porsche 934 racing against non-road-legal models, it still pulled off some impressive races. By far its biggest success was its 4th overall finish in the 1979 24 Hours of Le Mans. This makes it no surprise that this car also won many overall class championships between 1976 and 1977.







The body shell being worked on



The engine is nicely detailed

**Despite the Porsche 934 racing against non-road-legal models, it still pulled off some impressive races**

### THE BODY

The body itself looked very similar to a standard 911 (930), but is slightly wider, via wheel flares, to accept its massive racing tires. The front end is identical to a 1976 911 (930), except for an air dam-style spoiler bolted to the front bumper. It has the 930's signature diving front end with protruding fender-mounted headlights. Instead of the trunk, the front hood conceals the fire extinguisher system, oil tank, battery and the racing tank, which has been enlarged to 120 litres and has two refuelling openings protruding through the hood. The Porsche 934 RSR came with 3L powerplant flat six engine mounted at the rear producing from 480-550 bhp. Under the body you have a four-wheel independent suspension that includes coil

springs and high-performance Bilstein shock absorbers. The independent suspension allows each of the four wheels to be at different angles and heights, while maintaining maximum tire contact. It also featured four-wheel disc brakes, which are designed using the same blueprints used to create the braking system in the famed 'Type 917' Porsche Le Mans car. On the rear end you have the signature 1970s Porsche whale-tail spoiler. You also get the standard rear lighting that includes a light bar that reads "PORSCHE," just in case you forget.

### TEAM COLOURS

This classic Martini team colours isn't the only Revell 934 produced in this scale, other versions including the orange 'Jägermeister' and the 'Valliant' versions. This kit is classed as a Level 3 kit and is in the normal flimsy end opening box, which is packed with plastic. The body shell is a single part with the fire extinguisher system, oil tank, battery and the racing tank, moulded which will be covered when the front hood is attached. It has some large re-enforcing gates over the windows, which will need care when removing. The rest of the kit is over seven sprues, the body parts are in white, and grey and black for the other parts, the chrome wheels, and a clear sprue.

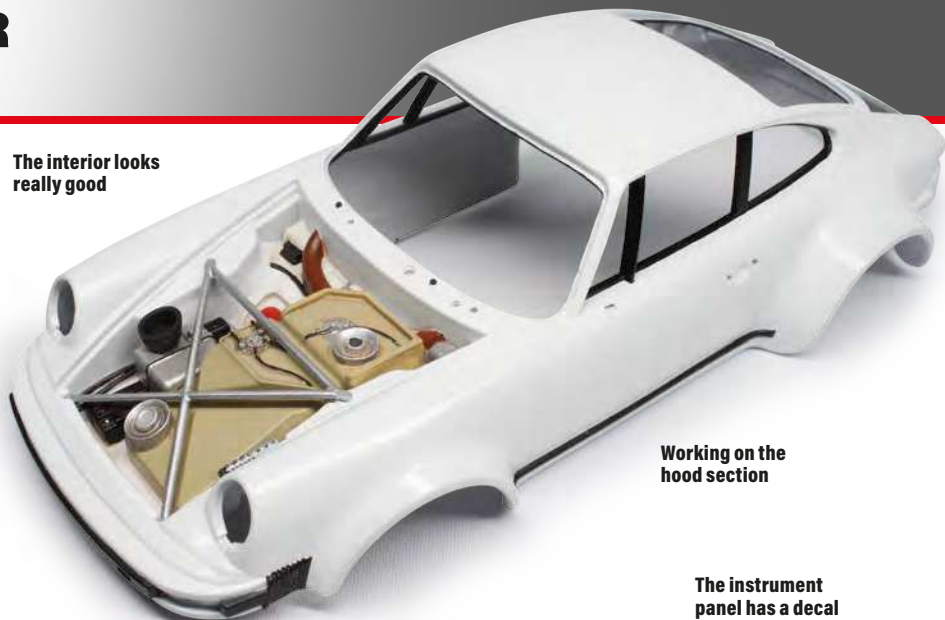


The roll cage ready to be fitted





The interior looks really good



Working on the hood section



The instrument panel has a decal for the dials

## THE PARTS

All the parts are well moulded with just a little flash, the clear parts are crystal clear, again with some flash, which won't impact on the build. The chrome is nice and done to scale and doesn't look that toy like. The instructions are what I've come to expect from Revell, and they would have you start the build with the transmission, joining to the engine block. Both parts look good with nice cast detail. This kit gives you the option to display with the rear bonnet open so you can see the engine detail, but even if closed can be seen through the finely cast grills on the lid. The detail extends to the separate drive shafts, and six-branch manifold. The massive turbo is added to the back of the engine before completing and adding to the chassis. Looking over the instructions the engine can be left out till the end of the build if wanted and fitted from below. The wheels are BBS multi-spoke type, which Revell have managed to represent nicely with the rear being wider. Behind the rim sits a brake disc, with a detailed drilled surface and calliper. The interior is very basic but that to be expected from a race car to keep the weight down. So, some bucket seats with a roll cage with a simplistic dashboard. The painting instructions refer to the Revell paint range, and the list of required

colours is listed on the box, which is standard for this manufacture, enabling you to check you have them before leaving the shop. The decals sheet is to the usual Revell standard, crisp and well printed with some fine small details for the 1976 season with the Martini team.

## PAINT

With this being a Revell kit the instructions refer to the Revell paint range and in a lot of cases they would have you mixing colours, so using conversion charts and online references I decided on my Tamiya equivalents. As I do with all my builds, first I clean all the plastic parts in soapy water and allow to air dry. Having done other car kits I know that cleaning up the body shell in preparation for painting is a sound plan as I knew this was the part of the build that requires a few paint layers built up over time with light sanding in between to ensure a smooth finish at the end. The body shell had a few seam lines sink marks and high spots that I marked with a white board marker, they were taken care of by filling and sanding. The body shell and chassis were then primed using Mr Surfacer 1500 50:50 through my H&S Infinity airbrush using Mr Color Self-Levelling thinners at a low air pressure. Then wet sanded down to check for

any imperfections before re priming. It's critical that the bodywork is perfect so any imperfection you don't take care of are multiplied with every layer added afterwards. Once again, I wet sanded with fine sandpaper before painting using Tamiya X-2 gloss white in a 70:30 mix with Mr colour SLT. The body shell received three layers of white paint with the last coat being a 50:50 mix. The bodysell was then wet sanded with micromesh 12000 grit to remove any imperfection after it had been left for twenty-four hours. Spoiler was masked off using Tamiya tape and with the use of the Infinity models masking boards I was able to cut out some curves and mask off then painted the black spoiler and vents. To protect the bodywork, I applied Alclad 2 Aqua Gloss in preparation for the decals. This is a process you don't want to rush, I always leave the varnish coat a minimum of twenty-four hours to fully go off, before setting about doing any decals as a lot of handling is required during this stage. You don't want to ruin all the hard work that's gone into the paintwork with a fingerprint. The same process was also applied to all the bumpers and lights.

## DECALS

With this being a race car, it's naturally covered with sponsor decals, which took a bit of time to apply and have them conform to all the curves using Microscale Micro Set and Sol solutions. Once all the decals were on and conformed to all the contours of the car, it was time to seal them in with another coat of Aqua Gloss which once dried I buffed up with a lint free cloth. Under the front hood conceals the fire extinguisher system, oil tank, battery and the racing tanks, you could opt to leave these unpainted and just glue the front hood shut. But I chose to paint the parts in the equivalent Tamiya paints to what's listed in the instructions. The detail is nice and with the hood lid off it gives you another display option. Clear parts look good but do have some flash, so time is needed to clean them up. I find snips can cause the clear parts to crack so as I do with







all clear parts to try stop any potential damage removal from the sprue is done using a fine-toothed razor saw and not snips. Followed by cleaning up with Flory Models Sanding Sticks. All the edges of the clear parts needed painted Tamiya X-18 semi-gloss black and to achieve a good finish I masked the clear parts up using Tamiya tape 1mm strips cut using the Infinity Easy Cutting Boards before airbrushing. I also masked off and painted all the window framing on the body shell in the same manner. The rear of the Porsche has a wraparound clear part that required to be painted with Tamiya Clear Red and Orange. The front indicator lights were also painted Clear Orange.

## SUB-ASSEMBLIES

While the body shell was drying, I went through the instructions for the rest of the build breaking it up into sub-assemblies'. Engine, front suspension, transmission and interior. First thing I tackled building was the engine by removed them from the sprue, cleaned up all the parts using a hobby knife and sanding sticks. Before painted it using the equivalent Tamiya paint call out for the Revell colours, this was then sealed with Vallejo Satin Varnish. The engine looked good and once the small decals were added it enhanced the detail. All the parts suspension and brake parts were removed from the sprue, cleaned them up using a hobby knife and Flory Models Sanding Sticks. The parts where then put together with Tamiya Extra Thin before painting up as per the instructions using the Tamiya equivalent paint call outs, before attaching to the underside of the chassis with the engine and transmission. It was nice to see the level of detail Revell has put into the underside of the engine and transmission housing, the suspension and brake parts were basic but adequately represented for the scale and price of the model.



## WHEELS

The BBS multi-spoke type wheels have nice detail, I painted the centres with Tamiya X-12 Gold Leaf, then masked off and painted the chrome with Molotow Chrome before sealing with Vallejo Metal varnish. The tyres had a seam moulded down the centre, so I sanded this out which in turn gave the tyres a worn look. For the interior, the parts were removed them from the sprues and cleaned up. All the parts were then detailed as per the instructions using the Tamiya paint references. A gloss coat was applied then all the decals were added. The roll cage had a seam that went all the way round, but an IPMS Seam Tool #1 made short work of it. Attaching the body shell to the chassis required a bit of care to ensure none of the paint work was damaged in the process. Then it was time to add the 'fiddly bits', which were liable to have been broken while decaling. The clear parts were then buffed before I glued them down with Krystal Clear to ensure no fingerprints or dust was present.

This has truly been a nice kit to build. I believe this would be suitable for anyone wanting to build a race car kit. Having the option to open the front hood and rear bonnet is a nice touch which enables you to show off the detail. For the price of this Revell kit and the detail you get you can clearly see its value for money. Highly recommended. [modelmagazine.com](http://modelmagazine.com)



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# Judgement Day for the Harley-Davidson

MARK THOMSON BUILDS THE 1:16 TAMIYA KIT, AS SEEN IN 'THE TERMINATOR'

## Fat Boy!

TAMIYA

**H**arley-Davidson motorcycles are icons of the American road, and there can hardly be a fan

across the world who is unfamiliar with the company's trademark air-cooled 45-degree V-Twin engines. Harley-Davidson isn't just the most famous motorcycles company- it's also one of the most legendary and beloved brands in human history. Harley-Davidson got its all-American start back in 1903, when two friends William Harley and Arthur Davidson founded the company that would bear their names. William's brother Walter came up with the idea of combining bicycles with new-fangled engines. The Harley-Davidson brand image of freedom that it's still known for today, came from the company producing bikes for both World War I and World War II. The motorcycles earned a reputation for performance and attitude the Fat Boy range is no different. The Fat Boy's frame



### Harley-Davidson

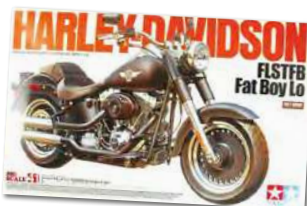
**FLSTFB Fat Boy Lo**

**Manufacturer:** Tamiya

**Scale:** 1:16

**Kit Type:** Plastic injection moulded

**Kit Number:** Big Scale 45





is derived from the 1984 'Softail', which appears to have a rigid hardtail chassis but which in fact has swingarm with concealed springs that was originally designed in a Missouri garage in the 1970's by a mechanical engineer named Bill Davis and later patented in 1976. Willie G the grandson of Harley-Davidson co-founder William A. Davidson originally turned down engineer Bill Davis' Softail concept; but the company later relented, buying the rights, and designing its own Softail frame in-house.

The FXST Softail released in 1984 was the first of the Softail family, following on from tradition its straight lines evoke those seen on the frame of classic Harleys until the 1950's the name itself refers to the use of suspension on the rear wheel. Harley Davidson fans really liked the hardtail design with the ridged rear wheel frame look. The Softail family of design gives the appearance of employing a classic hardtail-like ridged setup, but on closer inspection reveals that there are two gas shock absorbers concealed expertly beneath the transmission case. The Fatboy Lo is an upgraded version of the Fatboy, which was added to the Harley-Davidson line up in 2010, featuring a twin cam 103B with a boost to 1688cc. It was lower to the ground than its predecessor and had the benefit of a modern electronic fuel injection system.

For as long as I can remember I've wanted to build a model of the iconic Harley-Davidson Fat Boy, and not just by any manufacturer, it had to be the cream of the crop, so it had to be Tamiya. All I can say is I was very lucky to get my hands on this very hard to come by Tamiya



Harley-Davidson Fat Boy Lo in their 1:6 rendition. I was like a kid at Christmas waiting on it to be delivered, remembering back to when I was a teenager and seeing Terminator Judgement Day showcasing this iconic bike, then later in the TV series Sons of Anarchy. When someone mentions Spitfire, Vulcan or Harley-Davidson all I can think of is the awesome noise the engine makes in this case the Harley's amazing big V-Twin engine makes that sweet robust, deep

## The Harley-Davidson is covered from top to bottom with chrome and this kit also has the parts detailed true to life

rumbling growl, the thunderous exhaust noise of a classic Harley Davidson.

The kit itself, well what can I say, Tamiya pulled out all the stops here. The engineering looks excellent, and a lot of thought and attention has been put into where the parts attach to the sprue to minimise clean up. The mouldings are up to a very high standard which is to be expected from a Tamiya kit, with no flash whatsoever and crisp detail throughout. It's designed so it could be built straight-from-the-box with all the parts already in the correctly coloured plastic. The Harley-Davidson is covered from top to bottom with chrome and this kit also has the parts detailed true to life. A lot of small screws and real metal parts are included to ensure structural integrity, and when built the model will have a working suspension, and moveable gear and brake levers. The instruction book is A4 and thirty-two pages long. It is excellently laid out and thoroughly details every step of the build, with all the paint callouts the Tamiya range. The few clear parts are crystal, and the lighting parts are perfect. It's easy to see the manufacturer is aiming this kit at the moderate to experienced modeller, one thing for sure is that you won't be disappointed building this baby. I was able to obtain the full aftermarket upgrade set for this kit that provided a lot more detail like metal exhausts, clips, brake disks and caliper detail.

I started off by putting all the various screws and metal parts into labelled plastic tubs to make it easier to locate pieces when needed. I decided from the start that I was going to paint everything after seeing the dull chrome parts included. I removed all the parts and put them into a bath







of MR Muscle oven cleaner and used an old toothbrush to remove the chrome plating, then I gave all the model parts a good wash to ensure all moulding residue and oven cleaner was removed. Wanting to do this model to showroom standard it was imperative that all parts remained dust and oil free so throughout the build all parts were stored in airtight containers and rubber gloves were used. I primed my buster model with Tamiya Gloss Black X-1, then tested various brands of chrome paints to find the desired finish I was looking for. I ended up going with the Molotow Liquid Chrome as it was easy to apply by airbrush and gave an excellent finish.

After making this decision I primed all the parts to be painted with the Tamiya X-1 Gloss Black, then applied the Molotow Chrome. This, however, would later turn out to be a mistake when painting the black centres of the wheels! After going through the instructions, I thought it would be better to approach this build by breaking it up into sub-assemblies, such as the engine, front forks, steering, rear wheel, and suspension. This was to limit the handling required. First thing I tackled with this build was picking out all the semi-gloss black parts, removed them from the sprue, cleaned them up using a hobby knife and sanding sticks. I then painted them Tamiya X-18 Semi-Gloss Black before sealing with Vallejo Goss in preparation to speed up the build process.

The first main sub-assembly was the heart of the Harley-Davidson, the big V-Twin engine. A lot of attention is required to ensure the cylinder and cylinder head is put together in the correct layers. Thankfully all the parts were numbered and hidden in the centres of the cylinder layers. The instructions explain the build well. I firstly dry fitted all the parts of the cylinder/cylinder head before painting all the layers at the same time as the main engine block with Tamiya XF-1 then sealing with Vallejo Satin, followed by the edges being painted with XF-16 Aluminium. Once dry the main engine, cylinder and cylinder head were glued using Tamiya Extra Thin cement. They were then clamped and put to one side.

The main engine block and gearbox had a lot of fine detail such as serial numbers. I was thankful for having the chrome etched parts, as these were tiny decals and the upgrade set looked far better, I applied all the parts using super glue. Having painted all the chrome parts earlier this made it

easy to power through the engine build, taking care while handling the chrome. I then added the clutch release cover, crank casing plus the oil filter and rear hydraulic control unit and all the small chrome bolt heads. The engine then really started to come to life and was impressive to look at.

The frame was the second sub assembly to be put together and painted using Tamiya X18 Semi-Gloss Black then sealed with Vallejo Satin varnish. It was at this point a decision had to be made on the decals. Decals are available for every country that imported Harley Davidson's and with this being the UK I went for option C for the rest of the build, except for the number plate that was actually custom as this was going to be a gift for my father-in-law

who is Harley mad! Once I applied the appropriate decals, I sealed them in with another coat Vallejo Satin.

Now was the time to put the engine into the frame and attach the cylinder and cylinder





head. It's paramount to read the instructions carefully at this stage to ensure no damage to the parts and paintwork. The engine itself was secured with fine threaded rods and nuts, supplied in the kit. These required special care to be taken to prevent the supplied tools slipping off and causing damage.

The front and rear wheel halves that I previously painted chrome, which now I realise was a mistake, required the centres to be painted Tamiya X-18 Semi-Gloss Black. I decided I would de-tac Tamiya tape and mask off the chrome, so I could paint the black. Something I really don't like doing to metallics because it can damage the paintwork. Unfortunately, this was a real pain as I was trying to mask on a concave curved circle was problematic. After hours of masking, I finally got it sorted! Luckily there was no damage to the chrome when I removed the masking tape. In hindsight, if I had painted the semi-gloss black first, I honestly believe this would have been easier to mask to then paint the chrome. The upgrade set came with brake disks, and these added enhanced detail over the plastic disks. The tyres were made of rubber and foam was inserted during fitting to give the support.

The rear suspension arm was painted in the same way as the main frame. The rear tyre also had the sprocket and drive belt fitted before sliding into the swing arm and securing with a threaded rod. The

brake calliper was fitted next, along with the etched detail part from the upgrade set, which was superglued on before cutting to size and fitting the rubber hosing supplied. The two concealed shock absorbers were then assembled, and Tamiya provided a working solution to give added detail. Once the rear shocks were fitted the swing arm assembly was then attached to the main frame taking into consideration fitting the drive belt over the main sprocket before fitting the chain case cover.

The level of detail and engineering that went into the front forks and handlebars showcases Tamiya's commitment to honouring this iconic Harley. Not only did all the parts fit together seamlessly but the suspension worked. The rubber hoses supplied in the kit that were cut to length and used for clutch, brake hydraulic hoses and to enhance the level of detail. As on the rear wheel the upgraded brake disk and caliper parts were then fitted. The headlight was quite exquisite in detail and the indicators were also fitted at this point. It was now time for the front

fork to be added to the main frame. This was attached with a long-threaded rod, which provided more than ample strength in a possible weak point on the model, another well thought out solution by Tamiya to provide strength and hide it under a detail part.

The Harley was really starting to take shape now and was nearing the final stages of the build. Fitting the exhausts was straightforward



and the upgrade set provided an enhancement over the supplied kit ones. The footrests were made of a plastic rubber like material with the Harley-Davidson logo on them, and once added really made the Harley look meaty and imposing. Fitting the horn was easy

and attaching the rubber hoses and spark plugs was fiddly and needed done with care taken not damage the paint work. The working side rest made out metal to ensure it had the strength to support the models weight it another well thought out decision.

With me building this Harley as a gift for my father-in-law it was only fitting that it had a custom number plate. This was done using vinyl masks and part of the kit supplied decal. The rear fender went together easily, and rear light looked good. This was positioned onto the model just like the real thing with detailed bolts. The fuel tank had some nice detail especially the Harley curved emblems and the tank protector.

The final stage of the build was to fit the seats, which Tamiya has once again made from a plastic that resembled rubber. It really enhanced the look of the completed model. The kit was provided with a solid metal display stand, and once the upgraded emblems were added it showcased the model superbly.

This was one of my 'must have' kits and Tamiya didn't let me down, and more than surpassed my expectations and I thoroughly enjoyed the journey. I believe it would be suitable for a modeller with a few builds under their belt, and experienced modellers would also enjoy this as a break from more demanding kits. Tamiya have outdone themselves with this amazing model, which captures the true essence of the iconic American beast. If you can get your hands on this kit, I wouldn't hesitate on giving it a go. All that's left to say is 'I'll Be Back'. [more info](#)





# Massey Ferguson Tractor Power

*LEE POWELL BUILDS THE 1:24 HELLER MASSEY FERGUSON 2860*

## HELLER



**he Massey Ferguson 2000 series of Tractors was developed in the late 1970's to replace the 1000 series.**

The design was more focused on the increasing shift to the cultivation of winter cereals making autumn a peak period. Better adaptability to these conditions and comfort of the operator was key, the 2680 was produced from 1982 through to 1985 and was a 2WD and 4WD Tractor with a 16 Speed Gearbox, its 5.8 Litre Diesel Engine producing 130 BHP. Improvements to the hydraulic system were made and proved to make the 2680 a successful and well-liked agricultural machine especially with the heated and air-conditioned cabin and all the controls laid out to be as user friendly as possible.

The Heller kit was first released in 1983 under the Humbrol/Heller Bobcat range and I remember building one of these as a lad! With an attractive box art and working features such as the rear hitch, opening cab door, movable front axle, and steerable front wheels it was one of





my favourite builds as a youngster just starting in the hobby. I hadn't realised that this had been re-boxed until browsing the internet and saw a Heller version on there. A quick check on some on-line modelling sellers confirmed it was indeed the Bobcat kit, so I ordered it, intending to build it for my dad as a Christmas present. Upon opening the box, it was like stepping back in time to all those years ago, the build is very simple with only forty-four parts, but this is a large kit when built, and all of the

## Massey Ferguson 2860

**Manufacturer:** Heller

**Scale:** 1:24

**Kit Number:** 2124



parts have aged well with minimal flash and the transparent cab and door looks crystal clear.

The tyres are rubber and have a small seamline down the centre that needs a gentle bit of sanding to clear up, the instructions are clear, and the small decal sheet is perfectly in register.

Stage 1 started with assembling the front axle and steering, and this was built as per the instructions apart from adding the tyres, which would be added at the end of the build. As stated earlier, the steering moves and this is facilitated well by the pin of the mudguards going down through the axle, so when the wheels turn the mudguards move in the same direction (these are kept at relevant angles by the steering bar, which just pops in to allow it to be movable). Stage 2 deals with the rear hitch, which although is a bit fiddly, works effectively moving through different stages of movement. Stage 3 is where the two chassis halves are joined together with the front axle sandwiched in between, the rear hitch is also added here as well as the steps for the cab. The lower cab and rear panel were also supposed to be added at this point but was left off to be painted separately.

Onto stage 4 and this is where the rear wheels were added (again without the tyres). The steering wheel and console



**The only colours that were needed for painting were a light grey, a bright red, some black and a steel and these were mostly used from rattle cans**

were also assembled here and the driver's seat, which was assembled in two halves, though the fit of these two halves was awful and needed a lot of filler in the gaps. The cab was also supposed to be added at this stage, but this was masked off and set aside to be painted separately. Quickly coming to stage 5, which was the final construction stage, the engine cover was assembled along with the exhaust, but this was also left to paint separately.

The only colours that were needed for painting were a light grey, a bright red, some black and a steel and these were mostly used from rattle cans. The grey being Tamiya Fine Primer Grey (this was used on all parts and highlighted some areas that needed some minor filling before being re-primed). The black areas were more of a Dark Greyish Matt Black from reference pictures I found, so I used Tamiya TS-82 Rubber Black, which gave a nice colour comparable to the pictures. The only exception for the black was the exhaust on the engine cover, which was painted with Tamiya X-18 Semi-Gloss Black. Tamiya TS-49 Bright Red was used for the lower cab and engine cover after masking the black and grey previously sprayed and then finally Citadel Colour Leadbelcher was used for the metallic front grille area. All the parts were sprayed with Tamiya TS-13 Clear after being allowed to dry fully for a couple of days. The ten decals were applied (sadly there is only a French number plate option, so this was not applied). The decals settled down nicely with Micro Sol and set and when completely dry another coat of Tamiya TS-13 was applied to seal in and protect the decals. Next up a pin-wash of Modellers World Earthy Grime was applied over all the grey areas before being tidied up, and once, some Citadel Colour Leadbelcher was also applied over the front grille to give it some depth. With all of this completed, the red areas were masked to keep a nice shine to the paintwork and the tyres were added, before





Tamiya TS-80 Flat Clear was applied over the vehicle to give it a nice toned down matt finish. The cab floor was added at this point and the masking removed from the inside and outside of the cab, before the main console and steering wheel was added to it before installing it on to the cab floor. Finally, the front engine cover was added, all these parts had large positive fit tabs and 'clicked' home nicely without any glue being required, although I added some Tamiya Extra Thin just to give an extra bit of bonding. To finish off I used some Modellers world Earth Pigment mixed with some Humbrol Decalfix and a few drops of water and applied this over the tyres and left it to dry. Then a selection of moist stiff brushes and cotton buds were used to clean off some of the pigments on the raised parts of the tyres and in other random areas to give the effect of dirty tyres. Some of the pigment was also lightly dusted in areas around the tractor, including in the corners of the glass panels of the cab to simulate dirt build through day-to-day use.

Overall, this is a great little kit, and a delight to build. Heller also make a more vintage Ferguson TE20 Tractor in the same scale, which is also a nice kit having built one of these in the past. Highly recommended! [model kit](#)





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## SIDE VIEW



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## ITALERI

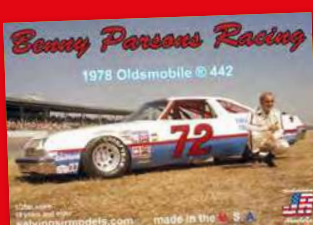
4709 - 1:12 Lancia Delta HF Integrale 16V

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R-BP01978D 1978 Oldsmobile 442

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## TAMIYA

 ▶ 14139 - 1:12 Team Suzuki ECSTAR  
GSX-RR '20

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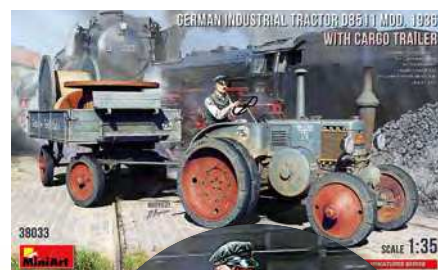

## REVELL

▶ 07516 - 1:24 Mercedes-Benz 1625 TLF 24-50

[www.carrera-revell.com](http://www.carrera-revell.com)


## MINIART

▶ 30833 - 1:35 German Industrial Tractor D8511

[www.miniart-models.com](http://www.miniart-models.com)
[www.creativemodels.co.uk](http://www.creativemodels.co.uk)


## AOSHIMA



17 - 1:24 Lamborghini Murcielago R-SV

24 - 1:24 Nissan Bluebird Super Silhouette '83

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AUTO



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FIGURES



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MARITIME

## TAMIYA

► 24042 - 1:24 Nissan Fairlady

■ [www.tamiya.com](http://www.tamiya.com)



## HASEGAWA

► HC45 - 1:24 Toyota MR2 AW11

■ [www.hasegawa.com](http://www.hasegawa.com)



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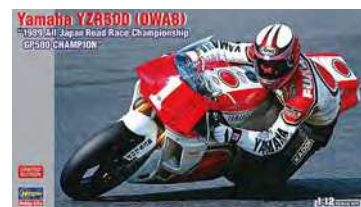
## HASEGAWA

20539 - 1:24 ALEXEL Mazda 767B from the 1992 All Japan Sports Prototype

21738 - 1:12 Yamaha YZR500 (OWA8) 1989 All Japan Road Race Championship GP500 Champion

20529 - 1:24 Nissan Fairlady Z 1973 TACS Clover Rally Winner

■ [www.hasegawa.com](http://www.hasegawa.com)



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23 - 1:12 Suzuki GK72A GSX400FS Impulse 1982

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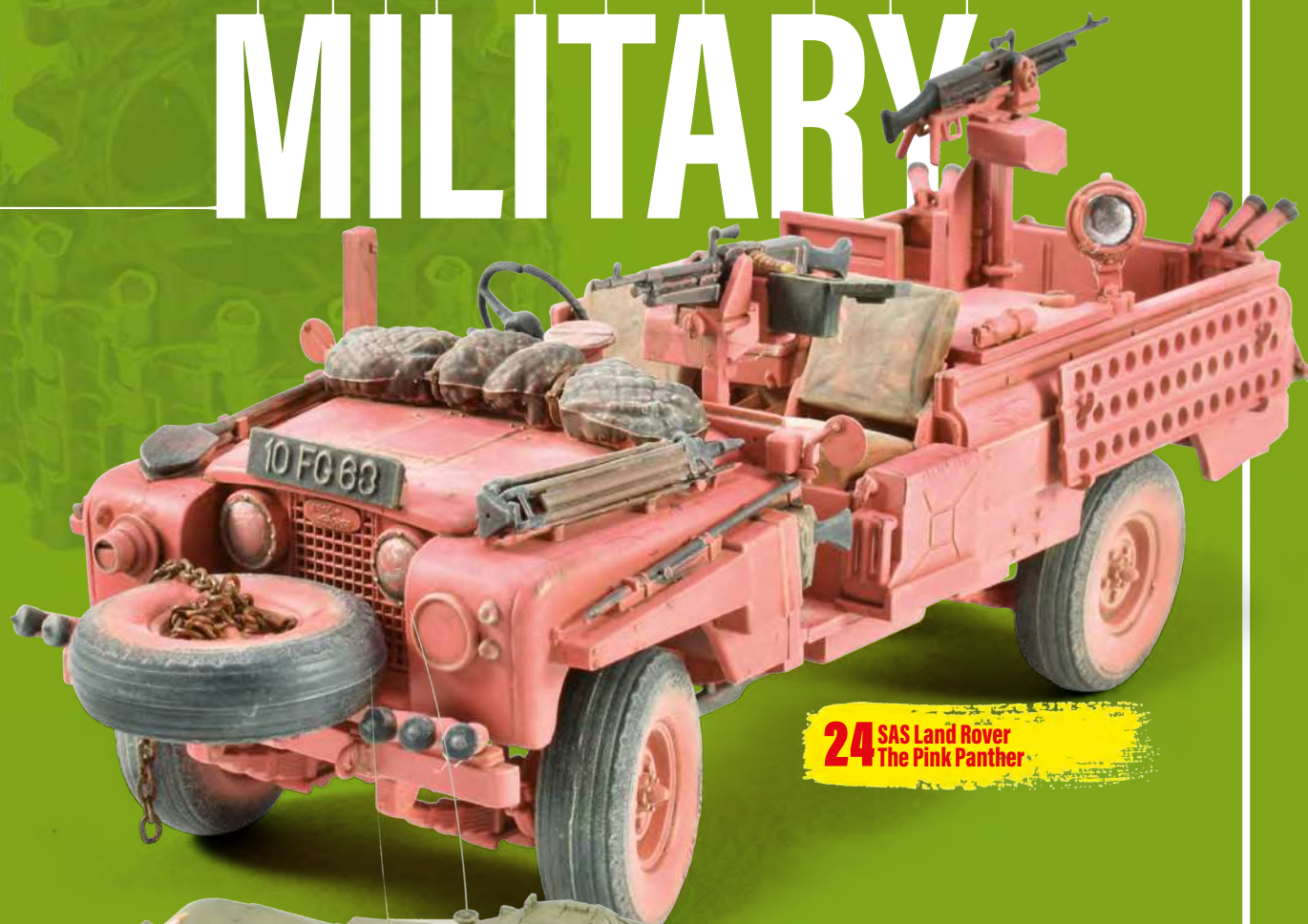
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MARITIME

23

# MILITARY



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The Pink Panther



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British Heavy Tank

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French Light Tank



**36** News, Accessories,  
Decals and Books





# The Pink Panther

*LEE POWELL BUILDS THE 1:35 TAMIYA SAS LAND ROVER*

## TAMIYA

**T**he venerable Land Rover has been around since 1948 having unapologetically been inspired by the US

Jeep of World War Two. From launch, it was the first mass-produced civilian four-wheel drive car with doors on, and also had an available hard roof. Contrary to conventional car and truck chassis, it used a sturdier fully box-welded frame. Due to post-war steel shortage, and aluminium surplus, Land Rovers received non-rusting aluminium alloy bodies, helping their longevity, indeed in 1992, Land Rover claimed that 70% of all the vehicles they had built were still in use! The Land Rover entered British Military Service

in 1949 and continues in service up to the present Day. In 1968, 72 109" Series IIA Land Rovers were purchased by the MOD and stripped down by Marshalls of Cambridge, creating the LRDPV (Long-Range Desert Patrol Vehicle). These vehicles were stripped of doors and windscreens and were fitted with a variety of weapons including Grenade Launchers and Machine Guns and had long-range fuel tanks and water tanks fitted. They were used by the SAS for desert patrol and special operations and were commonly called 'Pink Panther', on account of their

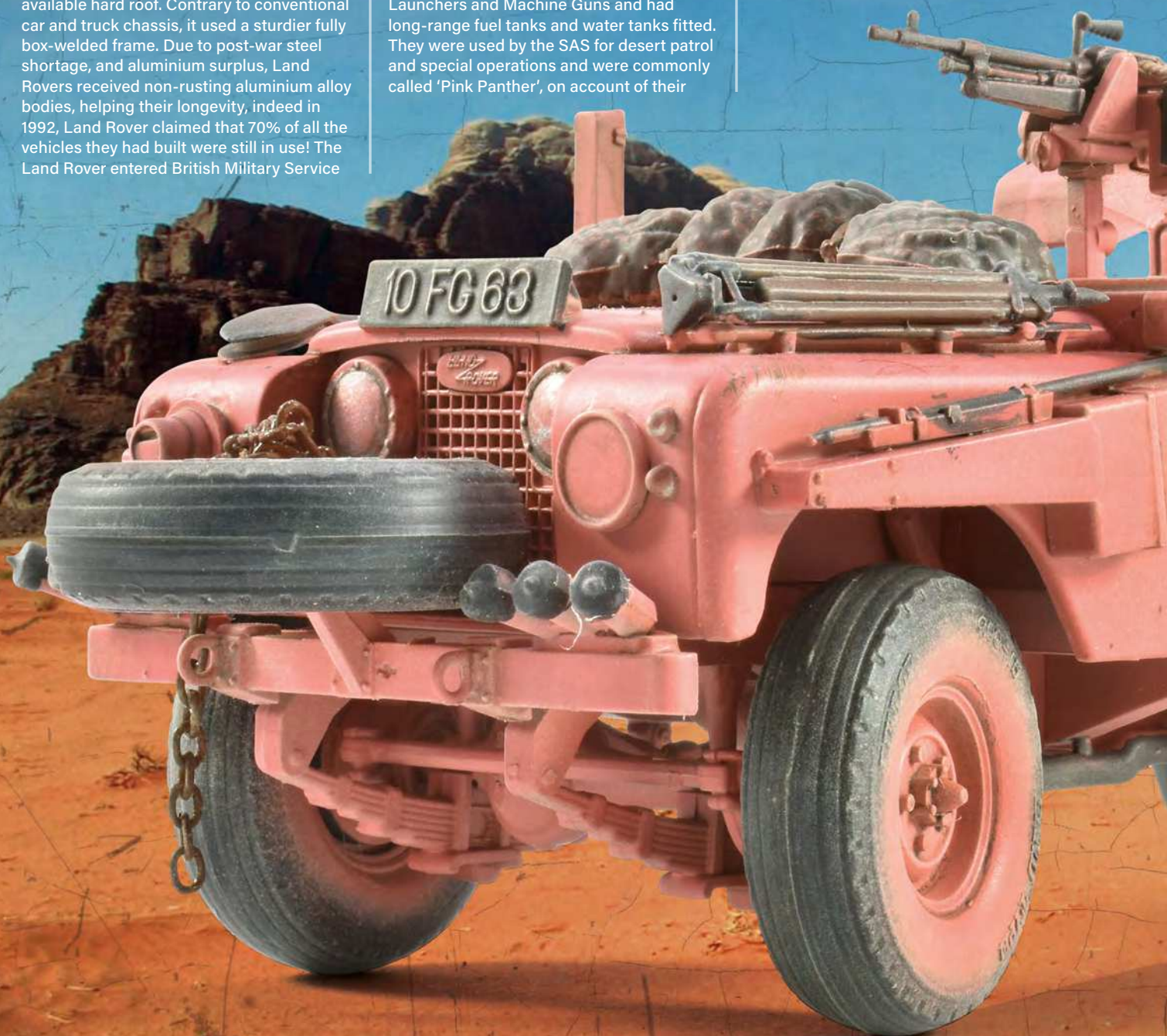
## SAS Land Rover 'Pink Panther'

**Manufacturer:** Tamiya

**Scale:** 1/35

**Kit Type:** Plastic injection moulded

**Kit Number:** 35076





distinctive pink sand camouflage, these vehicles remained in service until 1984.

The Tamiya kit has been available since 1976 and at 45 years old, I thought I would revisit this kit to see how it has held up over the years, it is still readily available at a relatively inexpensive price. In the box there are three bright pink sprues, with no clear parts and no decals. The parts have held up remarkably well for a kit of its age, with no flash on any of the parts and some nice crisp details. The tyre's are plastic moulded but have some tread detail on them that will (hopefully) look nice with some paint on them.

Construction began with the chassis and the propeller shaft, before assembling the axles (the Front axle is designed so the wheels can be turned when assembled) and adding the exhaust. The wheels were assembled next, and there was a slight gap between the two parts, but this is on the inside of the tyre's and is easily filled. The instructions say to add them at this point,

## The Land Rover entered British Military Service in 1949 and continues in service up to the present Day

but I left them unattached so they could be painted easier. The front seats and levers are installed next, before the engine area was assembled. This area is empty so if you want the bonnet open you will need to scratch build an engine. After this has been assembled, it is added to the chassis with

no issues along with various front end detail parts such as the lights, smoke dischargers, rifle storage cases and mirrors. The rear bed was assembled next and then attached to the chassis. Again, there were no fitting problems here with nice straightforward construction and some nicely detailed Land Rover badges on the rear. The smoke dischargers were fitted in the rear next and fuel/water cans and ammunition boxes were then added around the front compartment. The rear canvass cover on the tailgate were then added, as was the seat in the rear along with the sand ramps, before finally at stage 13, the two machine guns were assembled and added to the vehicle. This vehicle can be assembled quickly and looked 'busy' (even in the bright pink plastic!).







Painting began with all parts receiving a light coat of Tamiya Light Grey Fine Primer straight from a rattle can. When this had dried, I could see a couple of gaps a bit clearer that needed some filling. So, these were dealt with and another light coat of the primer was applied. The tyre's were painted with Tamiya XF-85 Rubber Black and left to dry. The instructions don't call out any specific paint numbers to use during construction, only giving you names, so off to Google it was to find some reference pictures. There seemed to be different shades of the pink, so I picked an image of a vehicle that is in the British Motor Museum and set about looking for a shade that was similar to this. After a couple of hours searching, there wasn't anything out there that matched in well, so I went to work mixing my own shade using Hataka C101 Traffic White and C103 Traffic Red. After 20 minutes of mixing, I found a shade slightly darker than I wanted, so this was perfect for the first base coat. The entire vehicle was then sprayed with this mix along with the

wheels and this was allowed to dry. Then I added some more Traffic White, so it was more like the colour I wanted and sprayed this over the majority of the vehicle not going into the edges and recesses of panels to give some slight colour contrast. Finally, a couple more drops of Traffic White was added, and this was used to give the upper facing areas some slight fading. The wheels were fixed on at this stage, before detail painting around the vehicle, using some reference pictures of the real thing to help. Then a coat of Tamiya TS-13







Clear was applied, and when this had dried some Modellers World Earthy Grime Wash was run around the raised and recessed areas of the vehicle, which was then cleaned up a couple of hours later when dry. To finish off, a coat of Tamiya TS-80 Flat Clear was applied to take the sheen off, before dusting on some Modellers World Beach Sand Pigment around the wheels and over the crew areas and canvas covers. To finish the vehicle off I used a small length of AK Interactive

Rusted Chain placed on the spare wheel area, but no other accessories were used or required in my opinion.

This is a great little kit, and simple and straightforward to build for newcomers to the hobby or seasoned veterans and looks a great little kit when finished. As these were also used in other areas of the world and painted in the British Army standard, green/black colours as well, I will certainly be building another one. [modeling](#)





# From Allied To Axis

*GRANT DALZELL BUILDS THE 1:35 ICM FCM 36 FRENCH LIGHT TANK IN GERMAN SERVICE*



## French FCM 36

**Light Tank in German Service**

**Manufacturer:** ICM

**Scale:** 1:35

**Kit Type:** Plastic injection moulded

**Kit Number:** 35337

**ICM**

**A**

**fter the defeat of France in the Summer of 1940, many French armoured vehicles fell into the hands of the**

Wehrmacht. Among the captured vehicles, were the FCM 36 tanks, which were previously part of two French tank battalions. Before the defeat of France, they managed to take part in several combat episodes in the spring and summer of 1940. Around fifty FCM 36 tanks were received by the Wehrmacht, later many of them became the basis for the creation of self-propelled anti-tank guns and self-propelled howitzers.

This is a build of ICM's recently released FCM 36 in captured German markings. The kit has no interior details, so everything would be buttoned up on the build. On opening the box, the first thing I noticed is the clean crisp moulding of the parts with no flash to be seen. The styrene is of a light grey in colour and if you are not familiar with







The bogeys were well engineered and fit well

The upper hull attached



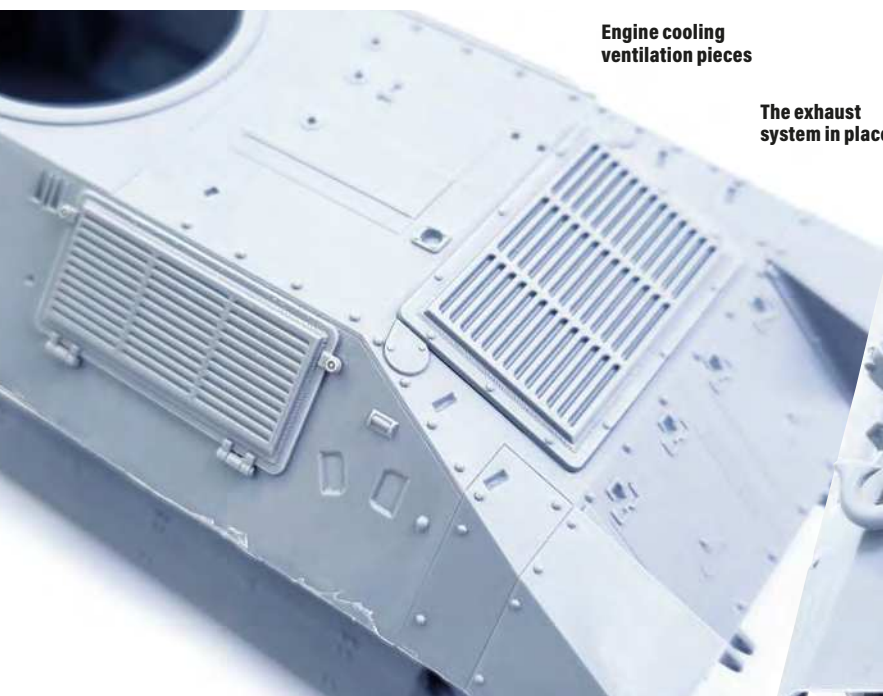
ICM, their plastic is on the softer side, so care needs to be taken when cutting parts off sprues and clean-up of sprue gates. The build started with the lower hull, adding two sides to the bottom hull plate. This was followed by several brackets along the sides and protective skirting plates on the inner underside. I added the bogeys next, the engineering of these worked well and

**I like World War II French tanks, as they look quite ungainly, but have some very nice colour schemes**

all fitted without hassle. At this stage, I also added the towing plate brackets either end of the hull. Drive sprockets consist of three pieces each, these were glued together and added, followed by side plate pieces on the lower section. Next up the track tensioners and upper plate track covers were glued on, followed by upper track guides and the idler wheels. The upper hull was glued on next, the next several steps added ventilation grills, engine exhaust system, driver's door and door hinges and other parts. Some parts were left off, as they would have impeded some of the painting.

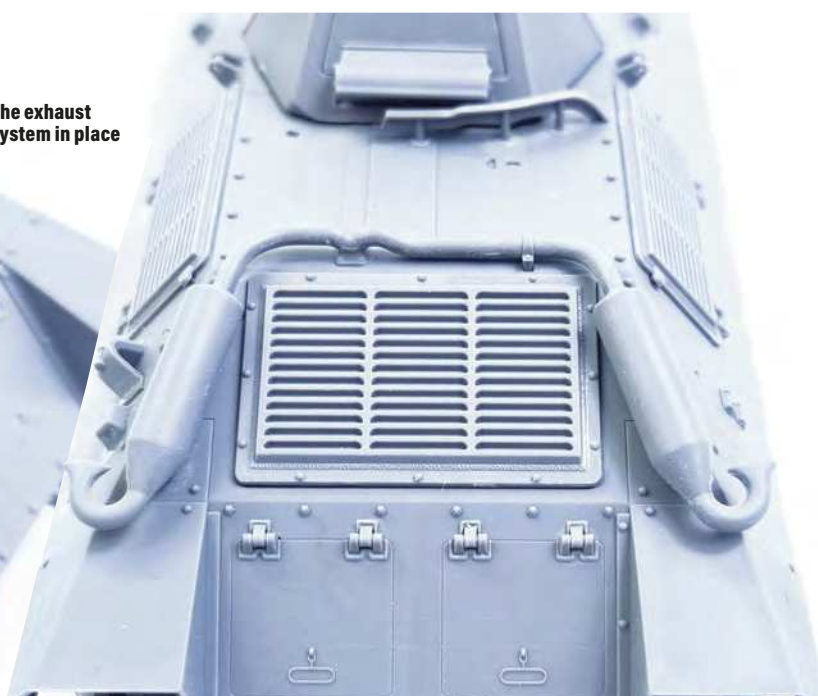
### GUN CONSTRUCTION

The gun construction was next, and it was here I found some small issues. The instructions showed the machine gun being glued to the main gun, however, I could not see a positive attachment point, looking ahead, I decided to put the machine gun and the main gun through the holes in the mounting plate, this was a good idea, as this showed the guns would be separated. I glued these in position, there were two pieces that were then glued to either side of the guns that were supposed to glue into some locating holes in the bottom turret piece. Another problem here, as the locating holes



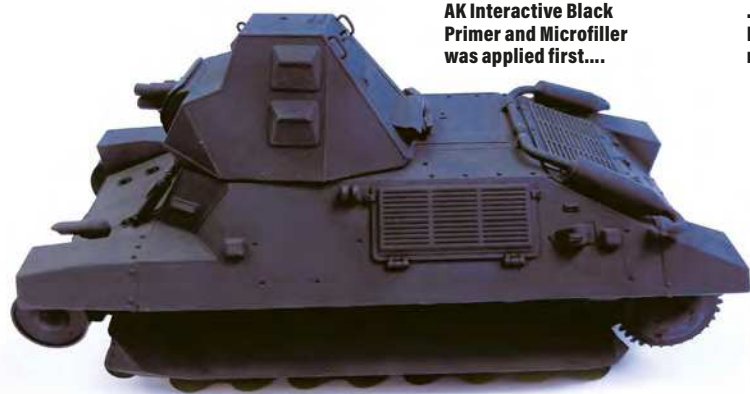
Engine cooling ventilation pieces

The exhaust system in place





AK Interactive Black Primer and Microfiller was applied first....



...then White and Desert yellow were next....



...then Flat Green....



.....followed by Red Brown....

were way too wide to possibly fit the gun. So, I veered from the instructions here and glued the turret together, cut the locating pins off the guns and positioned the guns from inside the turret, added the gun mantlet and glued it on. If you were wanting to be able to elevate the guns, glue wouldn't be used here. The view ports were then glued on, and there were three grab handles as well, but rather than use the plastic parts, I replaced them with lead wire so I could bend them a little for effect.



in French colours with white Balkenkreuz markings that looked to be painted in the field. Decals are supplied for these markings, but they are identical, so to add a unique look, I would hand paint these on. ICM have colour

call outs in their own recently released range of paints, Revell and Tamiya. I had all the Tamiya colours in my paint rack, so the choice was easy. First colour down was XF-2 Flat White, which was just on the top on the turret. Next colour was XF-59 Desert Yellow, I then lightened this with white and sprayed randomly over it again. I used Panzer Putty to then mask and proceeded to do XF-64 Red Brown, XF-5 Flat Green and XF-21 Sky. These were all lightened as well. Once done, I

removed the masking and touched up where required. I then gave the model a coat of Mr Color Semi-Gloss Super Clear.

## THE TRACKS

The model was set aside for now and I joined the tracks, (the kit comes with rubber tracks, two-pieces per side), these were painted with Tamiya XF-84 Dark Iron and given a clear flat coat. I also painted up the tools etc. that were still to go on. Then using a small brush and AK 3rd Generation Off White, I painted the Balkenkreuz on by hand in a way I imagined they would be in the field. At this time, I also used several techniques of weathering on the exhaust system. I glued on the tarp and tools, then did some light chipping with AK 3rd Generation Red Brown, then added the rubber tracks. The model was then given a coat of Mr Color Flat Clear. Next, I made up a pin-wash with Abteilung Brown oil paint and White Spirit, this was applied around raised and recessed details. When dry, a brush and white spirit was used to remove the excess. Another flat clear coat was applied, and then I mixed up some oil paints to and applied a dot filter over the model. Similar colours were used as I wanted the look to be subtle.

Where the tracks were visible, I used Ammo by Mig Enamel Track Wash, and when dry, I applied Ammo by Mig Polished Metal Pigment to the outer most part of the track

## PAINTING

Now that I had the bulk of the tank together, it was time to paint. First, I primed the model with AK Interactive Black Primer and Microfiller. This kit comes with three captured German schemes, one is in German Field Grey, the other two are



....to reveal the final look of the colour scheme



The Balkenkreuz were hand painted, as they would have been in the field



feet to make them look polished from ground wear and contact. This was also applied carefully on the outer edges of the wheels and sprocket wear points. It is important to remember when using pigments you can't use any more clear coats, as this will dull or even obliterate the pigment effect. Deciding I wanted the bottom of the tank dirtier; I used an old airbrush and sprayed some Ammo by Mig Nature Effects Earth around the bottom of the tank from all sides. It's not an immediate effect, and I just kept going around the tank until I was happy. I then used a saw brush with white spirits wiped off on paper towel to minimise reaction to create 'rain' marks. Finally, I added the chains to the model and the build of the FCM 36 was complete.



## DISPLAY BASE

To finish off this build, I made a display base. First, I cut some high-density Styrofoam to shape, glued to a ply base and added balsa wood sides. To make soil, I mixed Plaster of Paris, garden soil, fine sand, PVA glue and water. This was poured and shaped to the desired effect. A couple of days was given for it to dry, I then applied PVA glue to where I wanted static grass, the grass was then applied with a static grass discharger. When dry, the whole lot was airbrushed with AK Black Primer. I then airbrushed in the soil, followed by grass. Rocks were hand painted different colours. A small shrub and tree were also made to add interest. AK Interactive Earth Nature Effects was applied to the bare dirt areas to blend the scene together.

I really enjoyed this build, despite a couple of minor flaws with the instructions. I like World War II French tanks, as they look quite ungainly, but have some very nice colour schemes. I highly recommend the 1:35 ICM FCM 36 for both beginners and experienced modeller alike! [Modeling](#)





# Mr Churchills Crocodile

LEE POWELL BUILDS THE 1:35 TAMIYA KIT

## TAMIYA



**he Churchill was a British heavy infantry tank used in the Second World War, best known for its heavy**

armour, large longitudinal chassis with all-around tracks with multiple bogies, its ability to climb steep slopes, and its use as the basis of many specialist vehicles. It was one of the heaviest Allied tanks of the War. The Churchill Mk.VII was the second big redesign of the tank, the VII used the 75mm gun, was wider and carried much more armour, in fact fifty percent thicker at the front than a Tiger I, giving it the ability to withstand massive amounts of punishment. It is sometimes called the Heavy Churchill and was re-named 'A42' in 1945. This version of the Churchill first saw service in the Battle



## Churchill Crocodile

**Manufacturer:** Tamiya

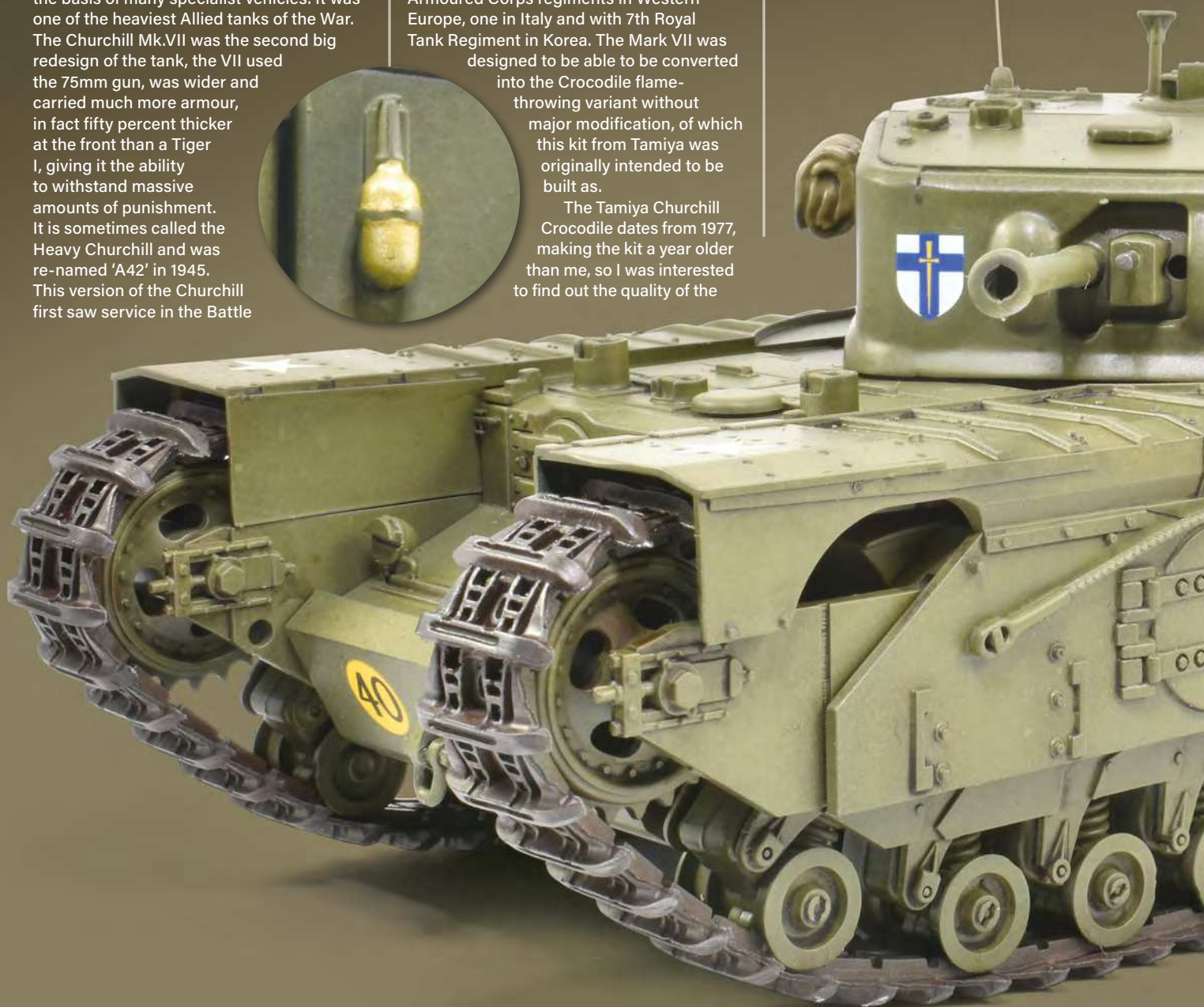
**Scale:** 1:35

**Kit Type:** Plastic injection moulded

**Kit Number:** 35100

of Normandy and equipped three Royal Armoured Corps regiments in Western Europe, one in Italy and with 7th Royal Tank Regiment in Korea. The Mark VII was designed to be able to be converted into the Crocodile flame-throwing variant without major modification, of which this kit from Tamiya was originally intended to be built as.

The Tamiya Churchill Crocodile dates from 1977, making the kit a year older than me, so I was interested to find out the quality of the





## The kit allows either a standard Mk.VII to be built or one of the flame thrower equipped Crocodiles

kit and how it held up to modern standards. Initial impressions were good, with five sprues in dark green plastic, two rubber band tracks and a small decal sheet. All sprues were flash free and tidy, and the rubber band tracks looked to have some nice detail on them. The kit allows either a standard Mk.VII to be built or one of the flame thrower equipped Crocodiles (sprue E has all of the parts on for the Crocodile including the trailer and tow hook, under chassis fuel pipes, and the front lower hull mounted flame thrower). Colour markings are for a plain white winter cam vehicle with no decals required and two different named green vehicles and decals for these two. I chose to build the vehicle named 'Briton', a Mk.VII

vehicle and not to use the Crocodile parts.

Construction began with the front hull armour plates. This was straightforward, and the machine gun (C31) was added instead of the flame thrower at this stage. The rear panel was also added using Part B9 instead of the panel with the Crocodile trailer hitch on. Concealed poly caps were then added onto the upper half at the rear and allow the removal of the upper hull at a later stage to aid fitting of the

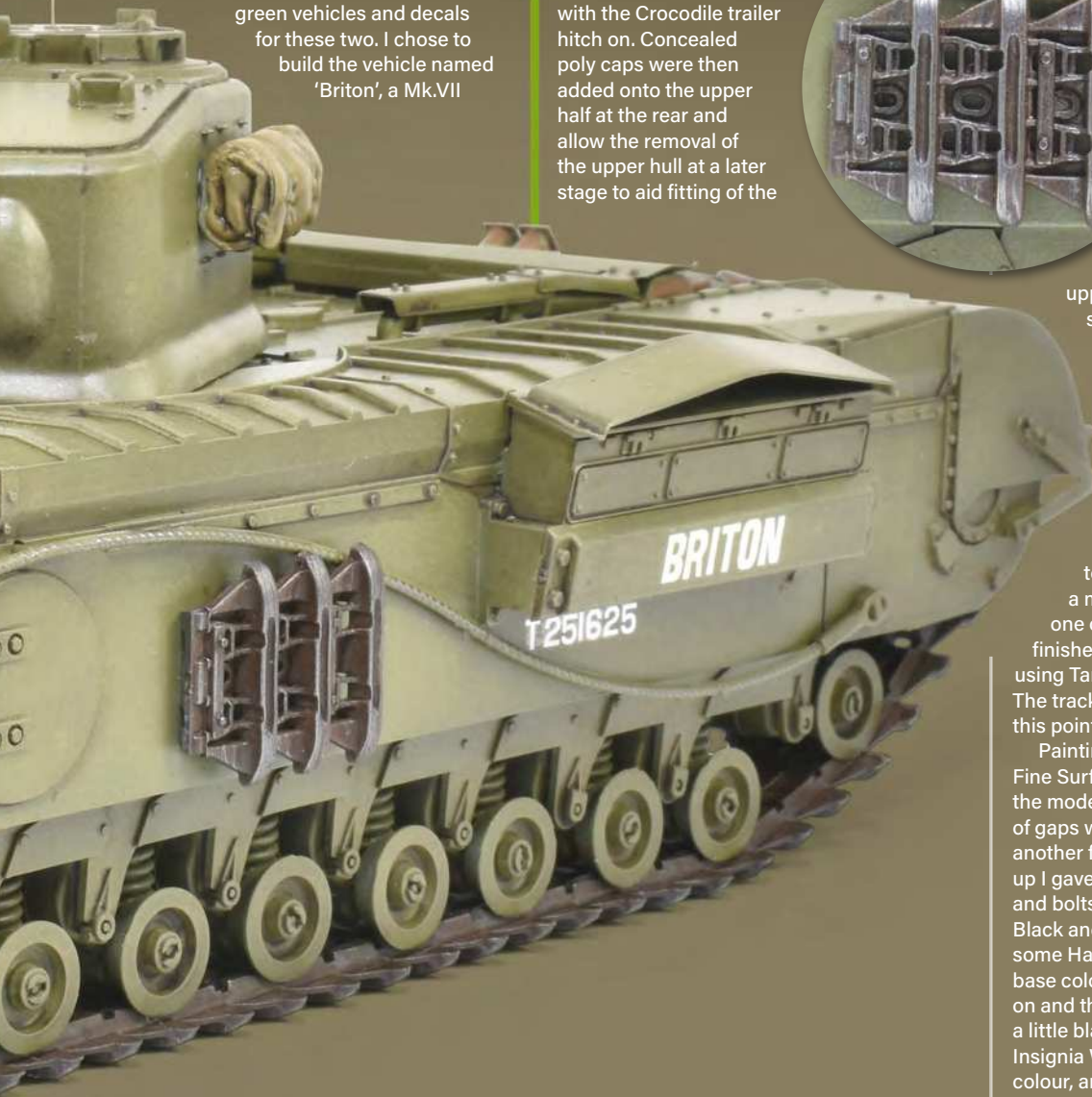
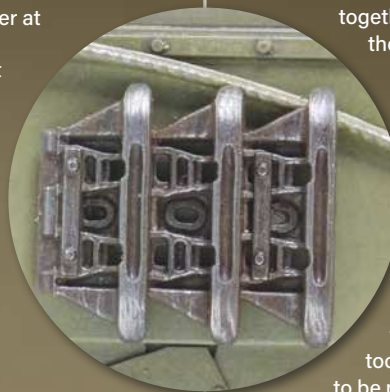
tracks at the end. The side bogies were built next, and attention needed to be paid to the front sections of these, as they are numbered to aid in the fixing. The wheels all go together simply and in no time,

these were built and are added to the side of the lower hull. The rear drive wheels also have poly caps inside them so the tracks can be moved if required after fitting.

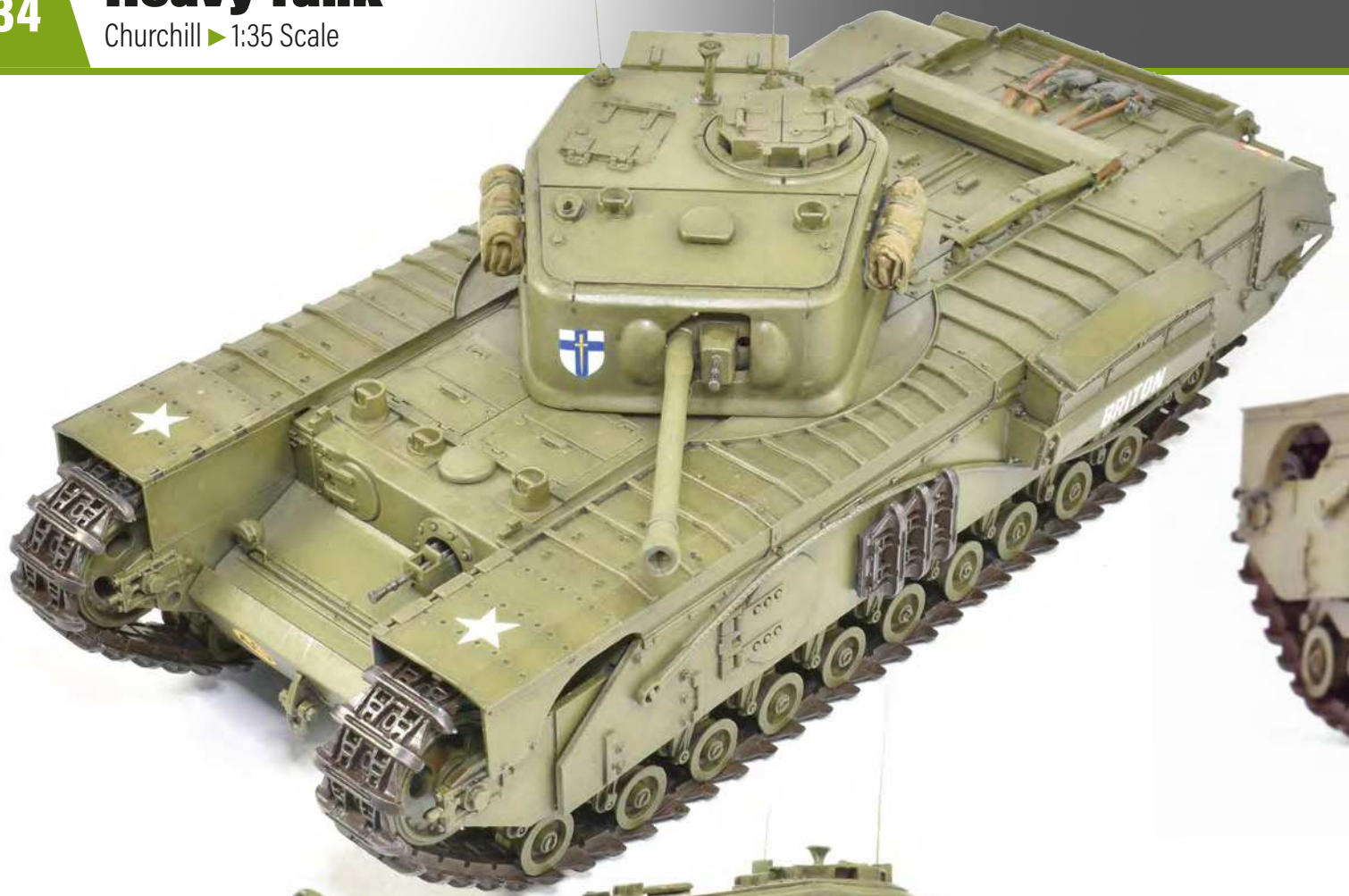
The upper hull was next to be built, with the side boxes, side hatches and exhausts added, although the spare track links and tools were left off at this stage

to be painted later. The fit of the upper hull to lower hull was tried at this stage to check the fit, and this was perfect, with no gaps presenting themselves. Construction then moved onto the turret and this is split vertically, with this part having a nice fine textured effect to it. The roof fit was also good as was the hatches and the gun mount, although the gun barrel was split vertically and was a pain to get straight. I would probably use a metal barrel if I was to build another one of these in future. The turret when finished was attached to the upper hull using Tamiya's standard turret fixing system. The tracks were also cemented together at this point before being set aside for painting.

Painting began with some Tamiya Grey Fine Surface Primer straight from a can and the model looked a lot nicer for it. A couple of gaps were identified and filled before another fine coat of primer was added. Next up I gave a pre-shade around all panel lines and bolts using Hataka Orange Line NATO Black and left this to dry before prepping some Hataka Orange Line Olive Drab for the base colour. Two coats of this were sprayed on and the colour looked really nice, though a little bland. So, some Hataka Orange Line Insignia White was added to lighten the colour, and this was then sprayed randomly in the centre of the panels to add some faded effect to the paintwork.











This looked nice when dry although still a little too flat, so some more of the Insignia White was added and sprayed on the upper facing surfaces to give some more faded contrast. Detail painting of guns, tools and spare tracks was completed using various Tamiya Acrylics before being added to the hull. The tracks (which had already been primed with Tamiya Grey Fine Surface Primer) were then sprayed using Tamiya XF-84 Dark Iron mixed 70:30 with Tamiya Thinners. This took two coats but gave a nice finish when dry. I tried the 'flex test' on the vinyl tracks and the paint stuck to these like glue! T

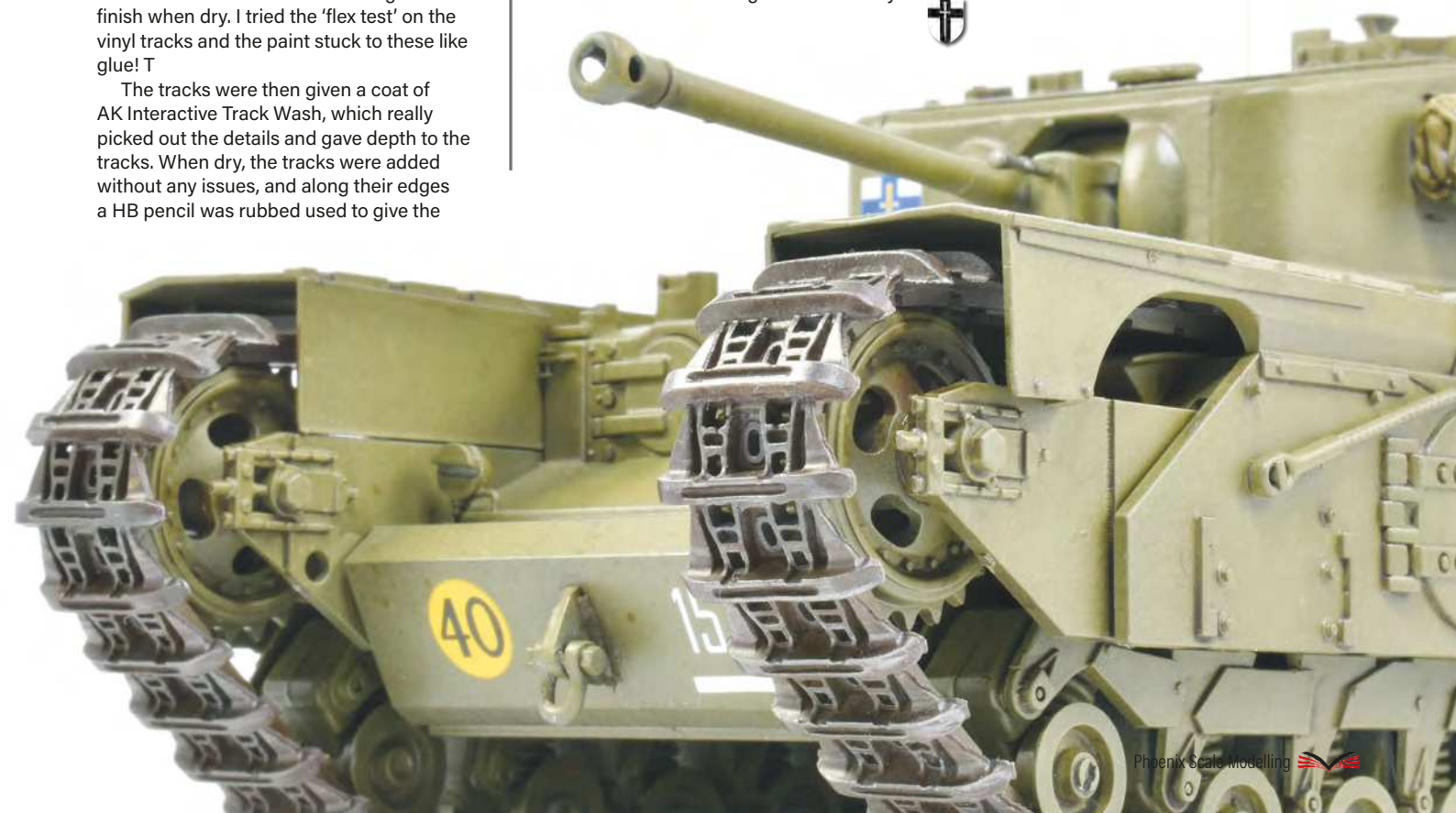
The tracks were then given a coat of AK Interactive Track Wash, which really picked out the details and gave depth to the tracks. When dry, the tracks were added without any issues, and along their edges a HB pencil was rubbed used to give the



effect of freshly exposed metal. A coat of Tamiya TS-13 Clear was then sprayed on straight from a rattle can and allowed to dry overnight before the few decals were added. These settled down nicely with Micro Set and Micro Sol and were then left to dry overnight. Another coat of TS-13 was added to seal the decals in before adding a pin-wash using Modellers World Black Brown Oil Wash. When completely dry I gave the tank a coat of Tamiya TS-80 Matt Clear Spray to flatten the surface down before using some Ammo by

Mig Light Olive Drybrush paint, applied with an old stiff brush to the raised details. When this had dried the tank was then complete.

I have to say I was very impressed with the Tamiya Churchill. Despite its age assembly was simple and looked just right when completed, and the fit was near perfect with some great looking vinyl tracks. I will pick up another Tamiya Churchill at some point and construct it with the parts I have as a Churchill Crocodile. Highly recommended to newcomers to the hobby as well as seasoned modellers! [more info](#)





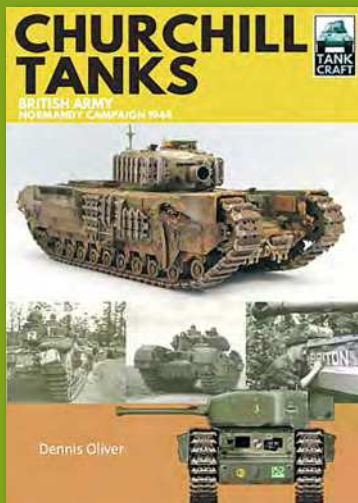
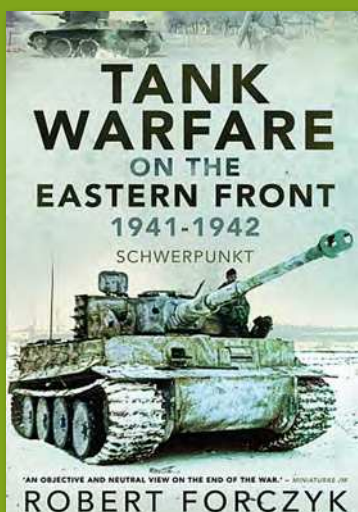
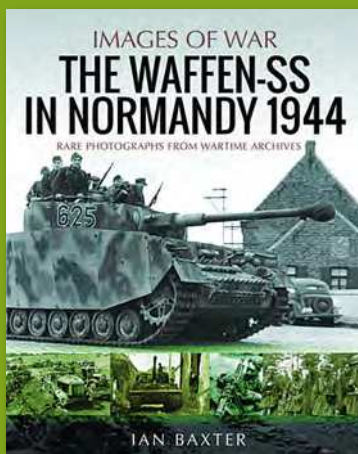
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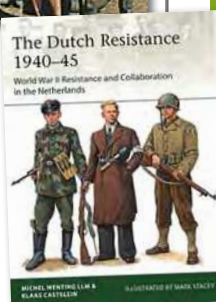
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AIRCRAFT



FIGURES



SCI-FI



MARITIME

39

# AIRCRAFT



**46** Wild Weasel Viper  
1:72 F-16CJ

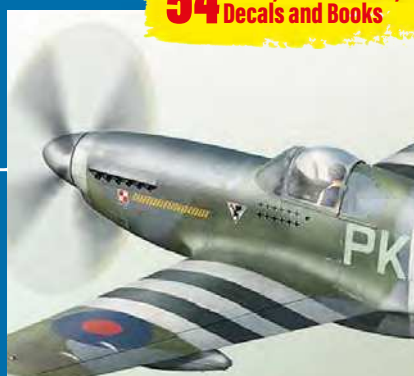


**50** 1:32 Uzbek MIG-29UB  
Fulcrum



**40** The Dark Reaper  
A-26 Invader

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Decals and Books





# The Dark Reaper

JAMES ASHTON BUILDS THE 1:32 HOBBYBOSS A-26C INVADER

## HOBBYBOSS

**H**obbyBoss have long been known for their 1:48 boxings of Trumpeter 1:32 kits. From the instruction

sheets, decals and the plastic type and tooling, I think it safe to say that the two companies are at the very least, closely affiliated. For us modellers this has been a good thing as it means you get to build in a smaller scale some of those larger kits that are too big for most of us. I for one am a big

## A-26C Invader

**Manufacturer:** HobbyBoss

**Scale:** 1:32

**Kit Type:** Plastic injection moulded

**Kit Number:** 83214

fan of 1:32 scale and have been missing, what seemed to be a non-stop flow of larger scale offerings from Trumpeter. Over the last couple of years HobbyBoss have taken up the baton, with kits such as their massive B-24 Liberator and now the A-26 Invader. This aircraft has seen something of a resurgence lately in 1:48 scale and I must admit I would never have thought to see it in this scale.

Upon opening the large box, you are immediately struck by the high-quality moulding of

the parts. With very crisply defined recessed panel lines and fastener detail, immediately visible on the smooth blemish free airframe. The fuselage is moulded full length and has a thickness and strength to it that gives the impression that this is going to be an enjoyable and easy build. The interior is also well detailed, giving you everything you could need for a straight-from-the-box build. At the same time there is plenty of scope for







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FIGURES



SCI-FI



MARITIME

41

The interior, painted and weathered

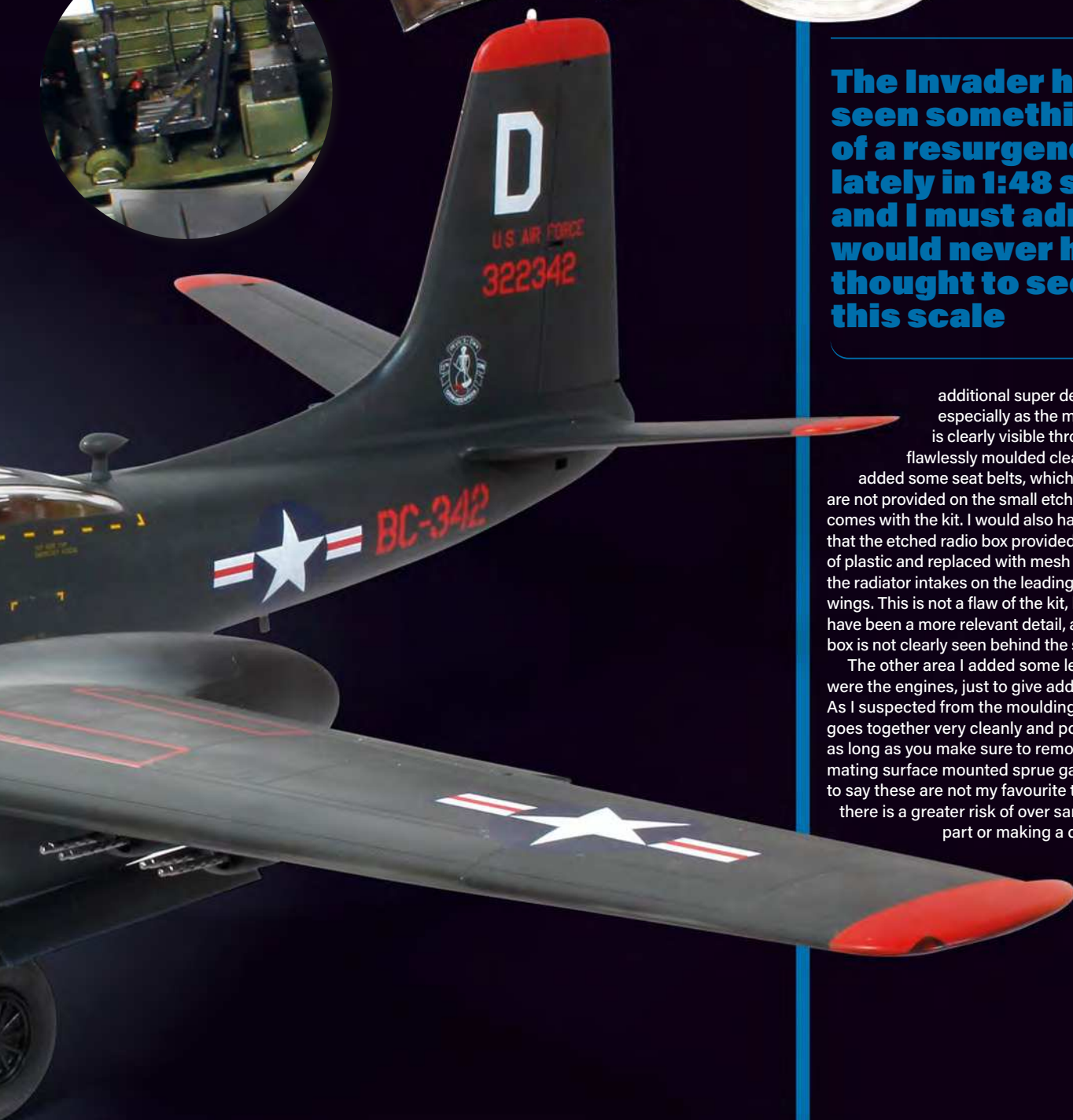


**The Invader has seen something of a resurgence lately in 1:48 scale and I must admit I would never have thought to see it in this scale**

additional super detailing especially as the main cockpit is clearly visible through the flawlessly moulded clear parts. I

added some seat belts, which strangely are not provided on the small etched fret that comes with the kit. I would also have preferred that the etched radio box provided was made of plastic and replaced with mesh grilles for the radiator intakes on the leading edge of the wings. This is not a flaw of the kit, but would have been a more relevant detail, as the radio box is not clearly seen behind the seat.

The other area I added some lead wire to were the engines, just to give added appeal. As I suspected from the moulding everything goes together very cleanly and positively as long as you make sure to remove all the mating surface mounted sprue gates. I have to say these are not my favourite things, as there is a greater risk of over sanding the part or making a divot in the





plastic when cutting. However, once carefully removed, the kit almost snaps together, meaning this huge model does go together surprisingly quickly. It is at this point that you become aware of what a handful this model is, also the thought of 'tail sitting' becomes readily apparent. If this were the gun nose version this would not be a problem and a relatively small weight would be needed, but as this the clear nose bomber there is no place to put weight. This meant that the main space for the needed weight would have to be in the engine nacelles. Being so close to the pivot point of the main undercarriage it was going to require a lot. As I had no lead weights, I resorted to a selection of nuts and bolts that I had on hand. I didn't weigh them so cannot say how much is in there! Of course, this all led to the need for me to cut the legs and insert some 'Albion Alloys' metal tubing in order to strengthen them.

This also leads me onto another area I have not had a fondness for and that is the vinyl tyres, these are also not solid but hollow, so they distort even further when subjected to the additional weight.



**Adding some weight into the engine nacelles to avoid a 'tail sitter'**







Ready to add  
some paint

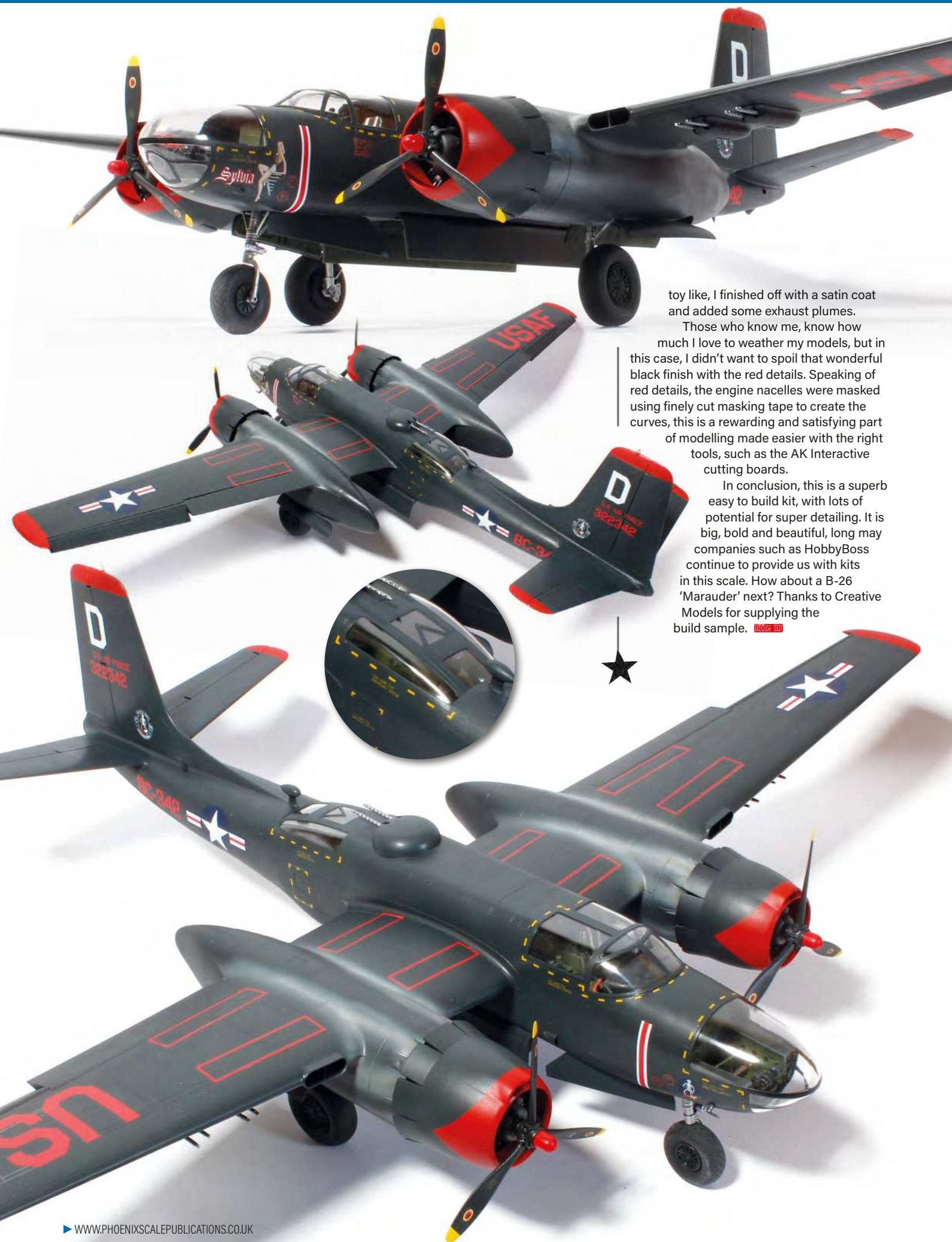
I used Alclad II Back  
Microfiller and Primer as  
a base coat

I then masked off the red areas  
on the tail and wingtips

Given modern moulding technology, I am sure that a solid plastic set of tyres could be made? Again, only a small niggle, but one that would elevate these superb kits right to the top of the modeller's enjoyment rating. The decals are very fine and apply almost as well as a layer of paint, they are in perfect register and have good colour saturation. Just make sure you float them on with plenty of water, as they will grab even a gloss surface and tear.

Painting a black aircraft can be as big a challenge as a natural metal finish. Whichever I choose to do I always like to prime my models with Alclad II Back Microfiller and Primer, which gives a smooth silky finish when buffed with highly worn sanding sponge. The black topcoat is not actually black, but rather, Mr Hobby Midnight Blue. This was then sealed with Alclad II Aqua Gloss. As much as I liked this finish, for scale effect and to make it look less





toy like, I finished off with a satin coat and added some exhaust plumes.

Those who know me, know how much I love to weather my models, but in this case, I didn't want to spoil that wonderful black finish with the red details. Speaking of red details, the engine nacelles were masked using finely cut masking tape to create the curves, this is a rewarding and satisfying part of modelling made easier with the right tools, such as the AK Interactive cutting boards.

In conclusion, this is a superb easy to build kit, with lots of potential for super detailing. It is big, bold and beautiful, long may companies such as HobbyBoss continue to provide us with kits in this scale. How about a B-26 'Marauder' next? Thanks to Creative Models for supplying the build sample. [modelim](http://www.modelim.com)



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# Wild Weasel

**KITTI TATSUMAKI BUILDS THE 1:72  
HASEGAWA F-16CJ WITH DREAM  
MODEL DETAILING SETS**



## HASEGAWA

**T**he 35th fighter Wing is an air combat unit of the United States Air Force

and the host unit at Misawa Air Base, Japan. The wing is also part of the Pacific Air Forces (PACAF)'s Fifth Air Force. The unit operates Block 50/52 F-16CJs modified to perform the Suppression of Enemy Air Defences (SEAD) mission, replacing the F-4G 'Wild Weasel' Phantoms. Capable of launching both the AGM-88 High-speed Anti-Radiation Missile (HARM) and AGM-45 Shrike anti-radiation missiles, the F-16CJs are equipped with a Lockheed Martin AN/ASS-35V Pave Penny laser spot tracker and the Texas Instruments AN/ASQ-213 HARM Targeting System (HTS),

with the HTS pod being mounted on the port intake hardpoint.

For this build I am using the 1:72 Hasegawa kit with a Dream Model etched detailing set, and an etched engine set. I will be arming the aircraft with two AIM-9L/M Sidewinders, two AIM-120B AMRAAM, an AGM-88 HARM, three CBU-87/B combined effects munition (CEM) on a TER, and AN/ALQ-184 ECM Pod, an AN/AAQ-33 Sniper XR and an AN/ASQ-213 HTS. The first job was to dry fit some of the main components such as wings, tailfin and engine intake, and to modify the wing tip pylons for AIM-120 AMRAAMs. Once I was happy, I started to work with etched parts in the cockpit, which included the seat, the instrument panels and the HUD.

## F-16CJ Block 50 Fighting Falcon

**Manufacturer:** Hasegawa

**Scale:** 1:72

**Kit Type:** Plastic injection moulded

**Kit Number:** 00448







## The Hasegawa kit is quite old now and really benefited from a boost to the level of detail

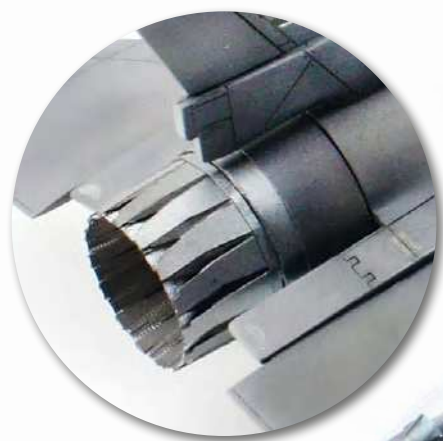
The Hasegawa kit is quite old now and really benefited from a boost to the level of detail. Then I added the IFF panel on the nose, then the reinforcement plates on the spine and the antenna and the F-100 exhaust nozzles. For exhaust Nozzle, normally I will use a lighter to heat up the etch so that it will become softer and easier to bend, and I have to say the

detailing on the Dream Model replacement is just superb!

Now as there are a lot of etched parts in the build, so the first thing I needed to do once the build was complete, was to add a coat of Mr Metal Primer-R before I applied my surfacer. The Primer-R will make the paint grip better on the metal parts and not peel off. Then I masked-off the canopy and primed the model with Mr Finishing Surfacer 1500 Grey. After this was dry, I wet sanded everything with a 3M Softback Microfine Sanding Sponge. Then, I started with a pre-shade of Gunze 40 German Grey, Gunze 72 Intermediate Blue, Gunze 43 Wood Brown, Gunze 315 FS16440 and Gaia 031 Ultimate White to simulate highlights, shadow, cold and warm shades and fading. For main colours, I used Gunze 305 FS36118, Gunze 306 FS36270, Gunze 307 FS36320 and Gunze







308 FS36375 for upper and lower fuselage. I enhanced the shading with some much-diluted Gunze 40 German Grey and Gunze 315 FS16440. When that was dry, I gave everything a coat of Gaia Ex-03 Ex Clear and added the decals, followed by another Gaia Ex-03 Ex Clear coat. This was then left to dry overnight.

For the Dream Model Exhaust nozzles, I painted these with AK Interactive AK481 Polished Aluminium, covered with a few layers of Clear Blue, along with some very diluted Gunze 61 Burnt Iron and finally some very, very diluted Gunze 28 Steel. For a panel line wash I used AK Interactive

AK2072, as it's very easy to use. Then I used Burnt Umber, White and Sienna oil paints to add more weathering and minor filtering. Then I painted the smaller details like the pitot, AOA probes and wingtip lights in their appropriate colours.

I then used Tamiya 87131 Accent Black to simulate the smoke effect near the gun port. I also simulated fuel leaks on one of the drop tanks using AK Interactive AK2019 Aircraft Engine Oil and

AK2039 Kerosene Leaks and Stains. For static dischargers, I used some stretched sprue and attached them with CA Glue. Then a matt coat sealed everything in, and my 'Wild Weasel' was ready! [modelm.com](http://modelm.com)





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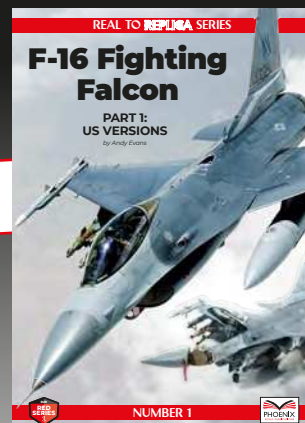
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# Uzbek Fulcrum

**MATTEO BUZZO BUILDS THE 1:32 TRUMPETER MIG-29UB**

## TRUMPETER

**I have always been fascinated with exotic camouflage schemes and I am always on the look out**

for anything that I have not seen reproduced before in scale. Such was the case here, when I came across some very rare photographs of the Uzbek MiG-29s, in a beautiful three-tone desert camouflage, before they were sent for maintenance and would emerge in dark grey scheme. My choice therefore fell onto one of only two Uzbek MiG-29UBs, this being 'White 61', which I planned to build using the 1:32 Trumpeter kit. The subject is documented in Yefim Gordon's MiG-29 book but as far as I could define had never been seen in plastic! Despite numerous searches in books and on the internet, I could not find any more

information on the subject. Then a friend of mine sent me a single frame of an Uzbek propaganda film showing the UBs flying together, and painted in the fantastic desert scheme. That was all I needed to start the project and set about sourcing the decals, which were a bespoke set printed by another friend.



work, especially the intakes, which for ease of construction I decided to show with the internal FOD ramps closed. I also had to fix a seam line running underneath the intakes, around the radome and in

various other places, using Mr Surfacer 500, 1000 and the fantastic Perfect Plastic Putty. Once the surfaces were prepared, I moved on to the cockpit. This was simply detailed

## THE KIT

On studying the kit, I realised that the lower surface was smooth, well paneled and riveted, while the upper surface was rough, with just a hint of riveting with shallow paneling. So, the upper surface, including the elevators, were completely sanded back and reworked with special engravers and a riveting tool. Finally, everything was cleaned up to remove any plastic dust and grease residue and to prepare the surface for painting. Perhaps the biggest problems with the Trumpeter kit are the wheel wells and the engine intakes. Both took a lot of



## MIG-29UB

**Manufacturer:** Trumpeter

**Scale:** 1:32

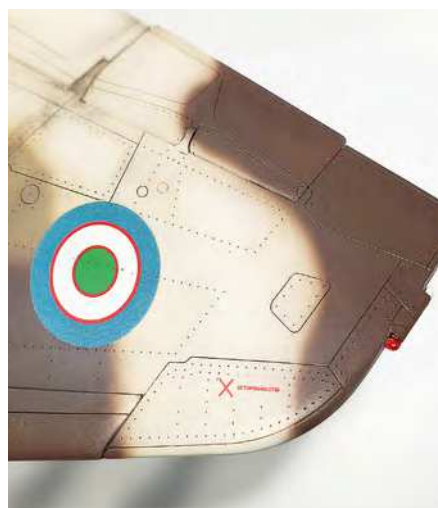
**Kit Type:** Injection moulded plastic

**Kit Number:** 03226

**Eduard Seatbelts**

**Reskit Resin Wheels**





**I am always on the look out for anything that I have not seen reproduced before in scale and I came across some very rare photographs of the Uzbek MiG-29s in a beautiful three-tone desert camouflage**

and the seats were enhanced with Eduard etched seatbelts. The fuselage halves were then joined together and any flaws dealt with.

### PAINTING AND WEATHERING

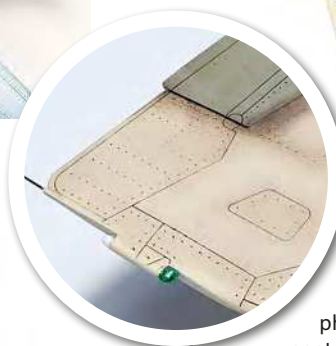
Finally onto my favourite part, painting! After some experimentation, I settled on some custom mixes for the paintwork and these are all based on Mr Hobby colours, and they were Light Brown: H85 + H11 (0.25ml: 0.25ml), Medium Brown: H27 + H304 + H319 + H338 (0.25ml: 0.25ml: 1 drop: 3 drops), Dark Brown: H456 + H17 (1ml: 3 drops) and Light Blue: H338 + H45 (3ml: 2ml). Now, I do not use primer, in order not to reduce the surface details, but instead use a marker pen. So, once I had checked that everything was ok and clean, I started to apply the blue







to the lower surface, which, once dry was cleaned with a glass cloth and polished with light passes of a 15.000 grit sanding stick. I then moved onto the upper surfaces and applied the three-tone camouflage free hand with my Iwata airbrush. Once dry I added two-coats of Kustomservice KSW100 gloss. I then added the decals followed by another gloss coat. The final touch was to add some weathering. I began with some panel liners to highlight the panels and rivets. I then tried to create some highlights and shadows using various oil colours. I then added some chipping and discolouration where the aircrew

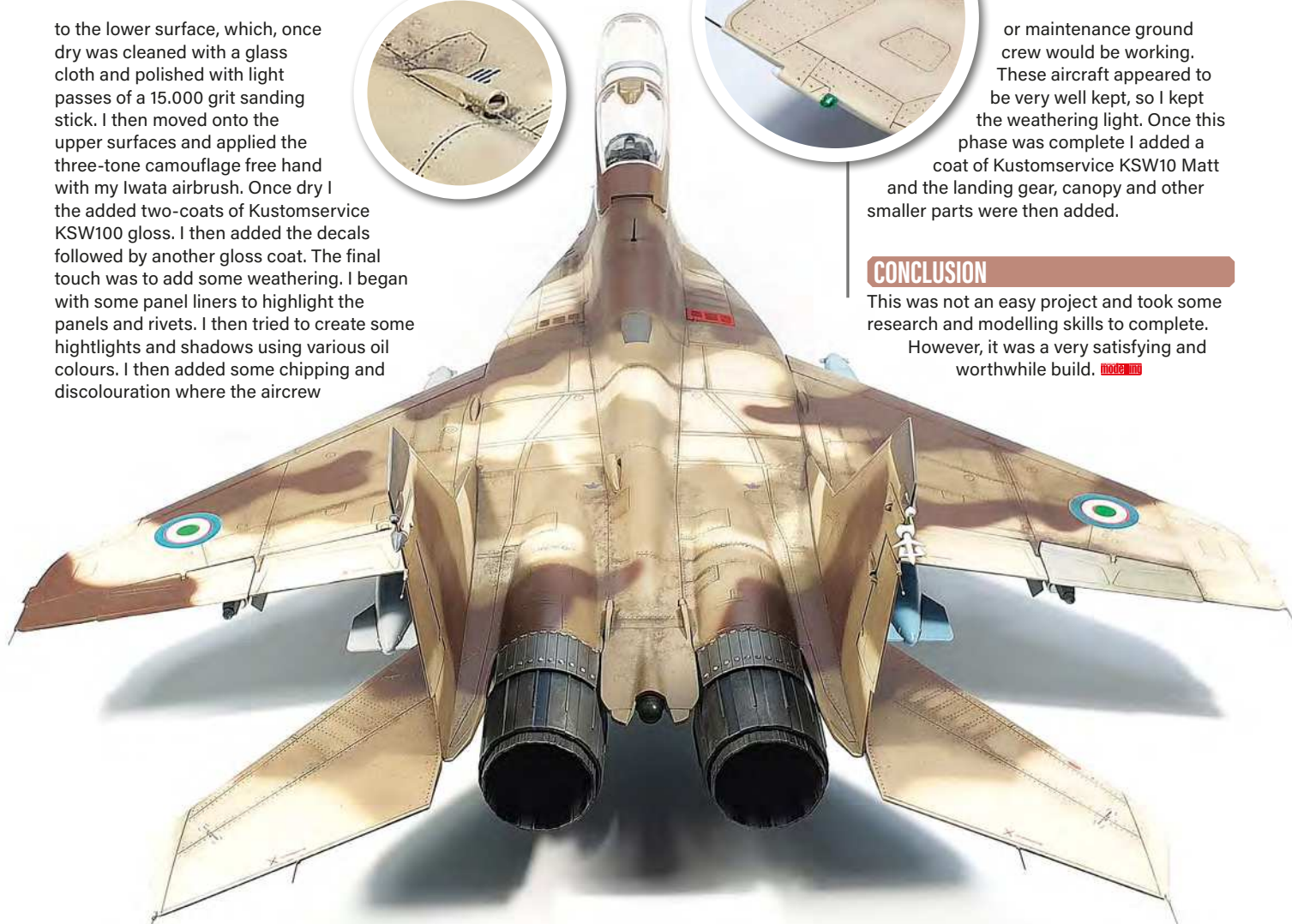


or maintenance ground crew would be working. These aircraft appeared to be very well kept, so I kept the weathering light. Once this phase was complete I added a coat of Kustomservice KSW10 Matt and the landing gear, canopy and other smaller parts were then added.

### CONCLUSION

This was not an easy project and took some research and modelling skills to complete.

However, it was a very satisfying and worthwhile build. **model**





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## WOLFPACK

► WP17211 - 1:72 LT-6G Texan Korean War

► WP17210 - 1:72 F-22A Raptor Edwards AF

www.wolfpack-d.com



## FIGHTERTOWN DECALS

► 48093 - 1:48 Black Hornet Adversary F/A-18E and F/A-18F

www.fightertowndecals.com



## DN MODELS

48/827-103 - 1:48 Royal Saudi Air Force Tornado Camouflage Paint Mask Set

www.dnmodels.com







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# FIGURES

**56** Celtic Standard-Bearer  
Pegaso Models 1:32



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Creepytables Bust



**63** News, Accessories,  
Decals and Books





# Standard-Bearer

PETER MERTS DETAILS THE 1:32 PEGASO MODELS KIT

## PEGASO MODELS

**A**fter removing the various casting seams, I started by adding a thin layer of grey primer from the aerosol

can. I also used black as a base, and by applying these colours in thin layers from a sufficient distance, it is easier to allow the layers dry thoroughly in between.

## EYES

First, on any figure I always start by painting the eyes. I recommended not to use white, but a very light flesh colour to avoid the look of dolls eyes. A dot with a shade such as brown for the iris and a little pink in the corner of the eye also works well. Then I added a dark line on the upper eyelid.



## Celtic Standard-Bearer

**Manufacturer:** Pegaso Models

**Scale:** 1:32

**Kit Type:** White metal

**Kit Number:** 54-133

**The colour options offered are enormous and there is probably a combination of shades that appeals to your particular taste**

## FACE AND FLESH TONES

I gave the face a base colour of Vallejo Beige 804 using a few thin layers. I then used four different mixes gradually going from light to dark using Vallejo Light Flesh 928. Then I used another three different mixes for the shadow colours using Vallejo Black Red 859. Into that mix added a very small amount of Tamiya X-21 Flat Base to make the paint more matt. On the higher part of the face, I applied some highlights and in the darker areas I applied some shadows to bring in some contrast. A little bit of black also provided and unshaven appearance around the face.

## HELMET AND HARNESS

All metals such as the helmets, bracelets and breastplates, including the metal parts on the sword I painted with Andrea Gold Paint Colour Set, which contains three gold shades and three filters. So, I began with the basic gold and then added the next shade, followed by some shadows using the darkest shade. Then the three filters were applied to bring out the best effect. In my opinion, this set is highly recommended for all your gold work.







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## TUNIC

I wanted to keep the colours a natural here, so no bright shades were used. So, I went for elements from the AK Interactive British World War II Uniform Set, adding some Vallejo Violet 960 as a shadow filter.

## TROUSERS

I painted these with two Lifecolor greys, adding some Vallejo 950 Black into the mix to create shadows, and some Vallejo Flesh for some highlights.

## COAT

My feeling is that if you think 'Celt' then you think stripes or a chequered pattern on any clothing. So, I decided to AK Interactive World War I Brown 3081 as a base. Then I started to apply horizontal stripes. Using AK Interactive World War II British Uniform Shadow. Then applied some vertical stripes so that you can clearly see where these lines meet. Finally, I added a thin line using Vallejo 918 Ivory. Of course, some corrections had to be made here and there.

## SHOES

The shoes were made of leather, and as you probably know, leather can be painted in a variety of colours. In this case I chose dark brown. What I try to do with all my figures is to achieve some colour harmony and by that, I mean that I use as many shades as possible that I have already used on the figure. A good example of this is the brown I used in the cloak to make the shoes blend in.

## SWORD

All the metalwork here was done with the aforementioned Andrea Gold Set. For the sheath I chose a red shade to add some striking colour to the figure, and thus grab more attention. Here I used various Andrea colours again.







### BASE

I wanted to place this figure in a natural environment, in this case a piece of forest. So, I used a small sawn off tree branch, and to this I applied some Vallejo Sand Paste 26232. A resin tree from my 'spares-box' and some sculpted rocks made from self-drying clay were then added. Twigs and stones were then incorporated to give a forest floor feeling. This was then suitably painted and detailed. The entire surface was then sprinkled with finely ground leaves and glued with AK Interactive Gravel and Sand Fixer. To further enhance the impression of a forest I applied some AK Interactive Moss onto the rocks.

This was a really great Pegaso figure, and I really enjoyed the project. The colour options offered are enormous and there is probably a combination of shades that appeals to your particular taste. So, why not have a go, and you can also follow my work on Instagram or Facebook #magicmertsmodelling. [@magicmerts](#)





# Historex Agents

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WWII Falschirmjager



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ACW infantryman



British infantryman



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Dwarf Warrior



Axe Warrior



British para



Medicine Man



Witch Master



The Hun



Dog Soldier



Confederate cavalryman



Lasalle



The Reaper



Panzer Grenadier



Grossdeutschland Div.



Celtic Warrior



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**I really enjoy sci-fi/fantasy subjects, as you can choose whatever colours you like. You have that freedom!**







# General Darg

IAN GASKELL DETAILS THE CREEPYTABLES BUST

## CREEPYTABLES

**N**ow and again, I will do a bust, just as a break from my usual 1:48 aircraft. But I am rubbish at painting

faces, trying to get skin tones right, and not trying not to make the subject look like they are in staring contest! That is why I enjoy sci-fi/fantasy subjects, as you can choose whatever colours you like. You have that freedom! This is 'General Darg', a nicely detailed 10.5cm resin bust from a company called Creepyttables. As well as the main bust itself, you get six other parts. Namely a plinth, left and right Pauldrons, a pair of optical devices, and a central clasp for the Pauldrons. As mentioned, the detailing is pretty good, with very little cleaning up needed before starting to work on it.

First task was to give 'Darg' a clean-up, using some warm soapy water and gentle brush with a toothbrush. This cleans off any releasing agent that might be present, so paints go down without any issues (hopefully!). With the clean-up done, a coat of Alclad Black Primer was sprayed on all the parts, and left for a good day, or so, to cure fully. Once dry, I used a very fine Micromesh cloth, and lightly rubbed over all the parts, removing some of the slight roughness you can sometimes get from the Alclad product. For the skin colour, I used Hataka Pale Green Orange Line lacquer paint. This sprays beautifully, and thinning it to at least 50:50, gives great flexibility, and the colour was built up in three to four light coats. Some white was added to the pale green, lightening the colour slightly,

### General Darg

**Manufacturer:** Creepyttables

**Scale:** 1:10

**Kit:** Resin

**Design & Sculpture:** Pawel Jaruga



and this was sprayed on some of the highlight areas, giving more tonal variations.

After some masking around the neck, the armour, Pauldrons, and optical devices, were painted with a Hataka Dark Blue. I next picked out the detailing on the armour. The edges of the Pauldrons were brush painted using Vallejo Metal Dark Aluminium.

The Pauldron clasp was also painted Dark Aluminium, and I added some extra detail by way of a some of clear plastic from my 'spares box' (the sensor head for a 1:48 missile in fact!). A dab of Tamiya Clear Red on the back, gave it a bright colour, giving the impression of a precious stone. The scroll detailing on the breastplate was Vallejo Gold.



'Darg's' eyes were painted with a lightened yellow, and a thin line of black used to show an iris. The lenses on the optical devices were picked out with Hataka Willow Green Blue Line brushable acrylic. Then, using some Dark Aluminium, marks and scratches were added to the armour, to give a battle-worn look.

Now with the painting was complete, all parts were given an Aqua Gloss coat. When the Aqua Gloss was dry, I gave the everything an oil wash, and here my preferred oils are Abtiefung's excellent products. Any excess was then wiped off with a soft lint-free cloth, and a couple of coats of Matt varnish was applied. Next, using some Ammo by Mig's recent dry-brush paints, the details and highlights were picked out, bringing more life to the bust. Then a drop of Alclad's Aqua Gloss on each optical device lens, gave a reflective look. Some Aqua Gloss was also added to the eyes too. So that is my take on bringing General Darg to life. A great little bust, that you can let your imagination run wild with, and another one to add to my collection. 







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## FIGURE NEWS

## MR BLACK

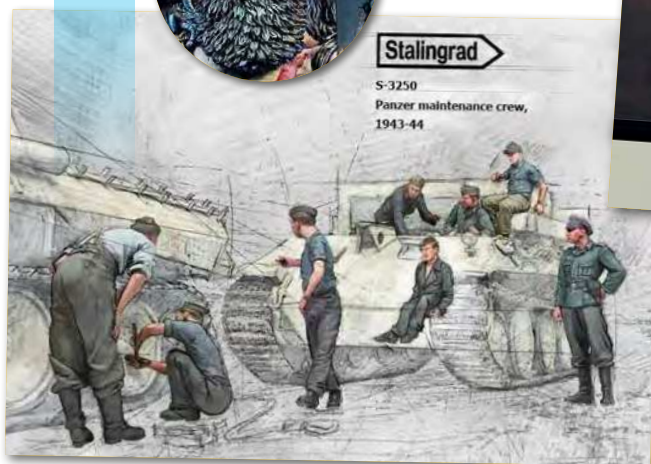
- ▶ Painting Large Scale Busts
- ▶ Scale Model Handbook Volume 2

www.mrblackpublications.com



## Stalingrad

S-3250  
Panzer maintenance crew,  
1943-44



## STALINGRAD

▶ 3520 - 1:35 Panzer Maintenance Crew

www.stalingrad.diorama.ru

## NUTS PLANET

NP-T35041 - 1:35 Silencer Bane

www.nutsplanet.com



1/24 SCALE SERIES  
SILENCER BANE

## SIDE VIEW

## YOUNG MINIATURES

YH1863 - 1:10 Roman Vexillarius

www.youngminiatures.com



## DG ARTWORK

DG75F030 - 75mm Sword of the Wind

www.dgartwork.com



DG75F030 75mm Resin Figure

## MINIART MODELS

35391 - US Tank Crew - Special Edition

35397 - 1:35 Totenkopf Division

www.miniart-models.com

www.creativemodels.co.uk





## SIDE VIEW

LIFE  
MINIATURES

LMFUB07 - 1:10 Oni Cyborg Gangster

 [www.lifeminatures.com](http://www.lifeminatures.com)

## MINIART

35251 - 1:35 US Mine Detectors

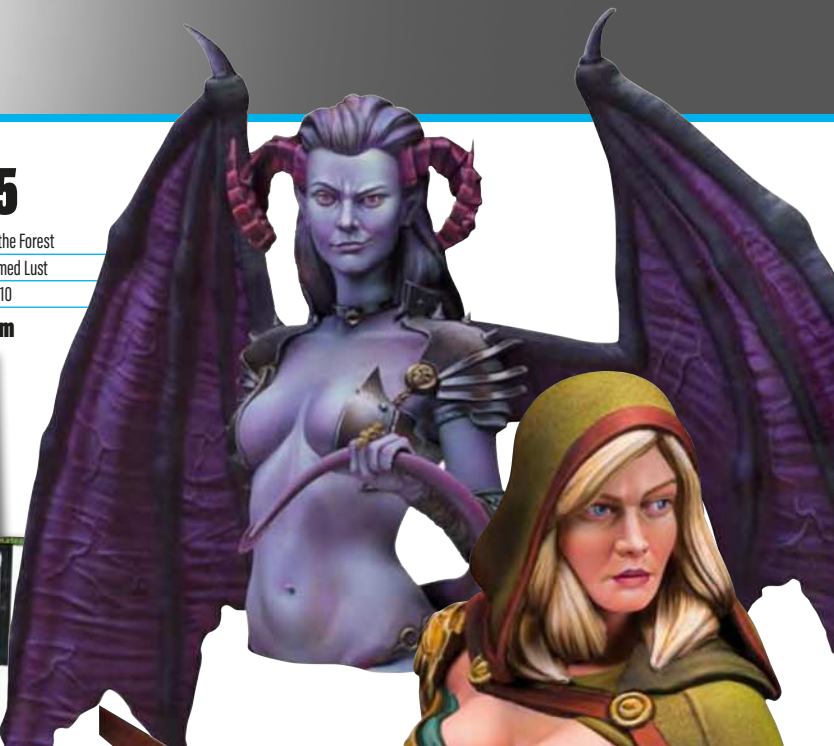
 [www.miniart-models.com](http://www.miniart-models.com)
 [www.creativemodels.co.uk](http://www.creativemodels.co.uk)


## SCALE 75

 STCR005 - 1:12 Thenidiel of the Forest

 STCR002 - 1:12 Loreen Dammed Lust

 HFF03 - 1:12 Blaze Operator 10

 [www.scale75.com](http://www.scale75.com)


## PANZER ART

 F175-007 - Richard the Lionheart

 [www.panzerart.pl](http://www.panzerart.pl)


## D-DAY MINIATURES STUDIO

35198 - 1:35 Franz Stigler and Company World War II Luftwaffe Set

 [www.ddayminiaturestudio.com](http://www.ddayminiaturestudio.com)






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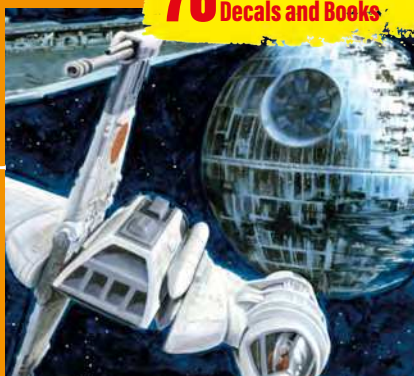
# SCI-FI



**66** Gusion - Calamity War  
1:144 Gundam Kit

**70** SPACE: 1999 Craft  
Hawk on the Moon

**76** News, Accessories,  
Decals and Books





# Calamity War Gusion

JEROEN BURGER BUILDS THE 1:144 BANDAI GUNDAM KIT

## BANDAI

**G**usion is one of the Gundam frames that were produced and used in the Calamity War, roughly 300 years ago.

Gundam units like the Gusion can achieve a high energy output because they possess two Ahab Reactors. However, because it is difficult to run the two reactors in parallel operation, so only a total of seventy-two Gundam Frames were ever produced. By using the two reactors at their maximum output and combining that with high output thrusters, the Gusion was able to obtain excellent mobility while equipped with super heavy armour.

## Gundam Gusion

**Manufacturer:** Bandai

**Scale:** 1:144

**Kit Type:** Plastic injection moulded

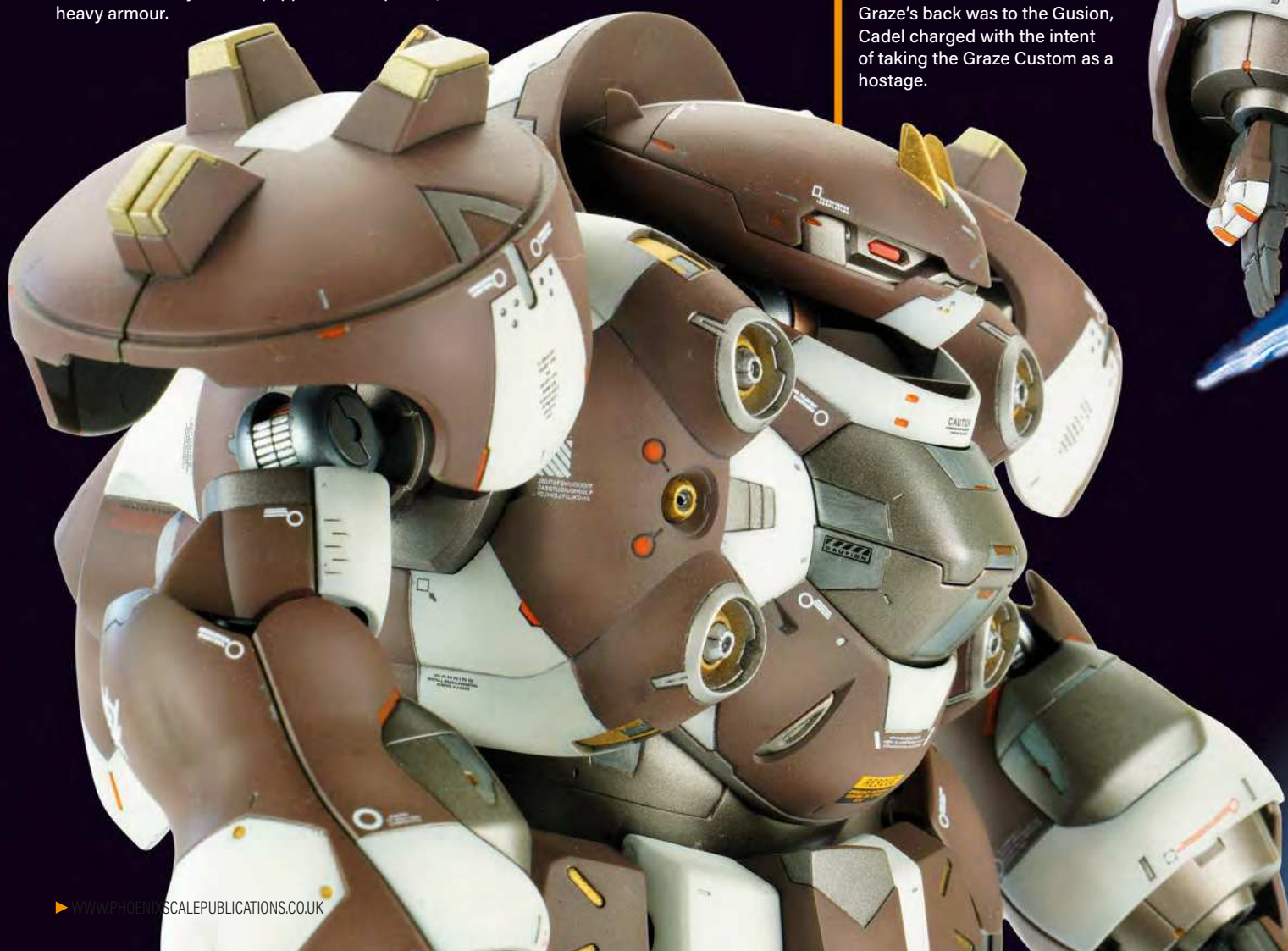
**Kit Number:** 41

The Gusion is the 11th of the seventy-two Gundam Frames created by Gjallarhorn near the end of the Calamity War to counter the threat of the powerful mobile armour such as Hashmal. The Gundam Gusion was discovered in recent years in a high-density debris zone that's very difficult to

**Gusion was one of the Gundam frames that were produced and used in the Calamity War**



navigate. It is passed on between different pirate groups that operated in the area until it eventually landed in the hands of the Brewers, where it is used by MS Pilot Kudal Cadel. During Brewers' second battle with Tekkadan, the Gusion was out-maneuvered by Mikazuki and his lighter, more agile Gundam Barbatos. Trying to find a way of gaining the upper hand on Barbatos, Cadel saw Masahiro Altland engaged with his brothers' EB-06 Graze Custom. With the Graze's back was to the Gusion, Cadel charged with the intent of taking the Graze Custom as a hostage.







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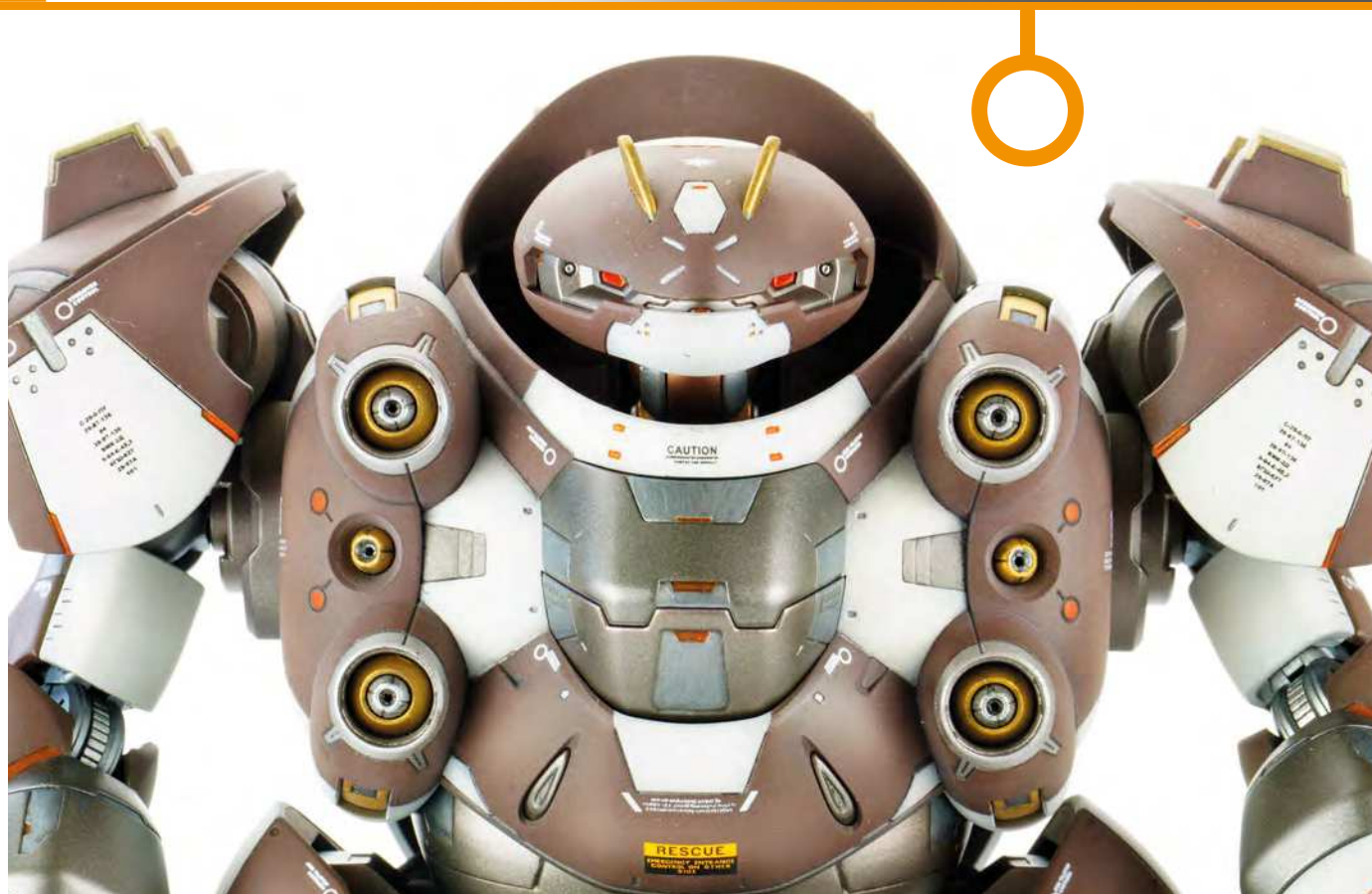


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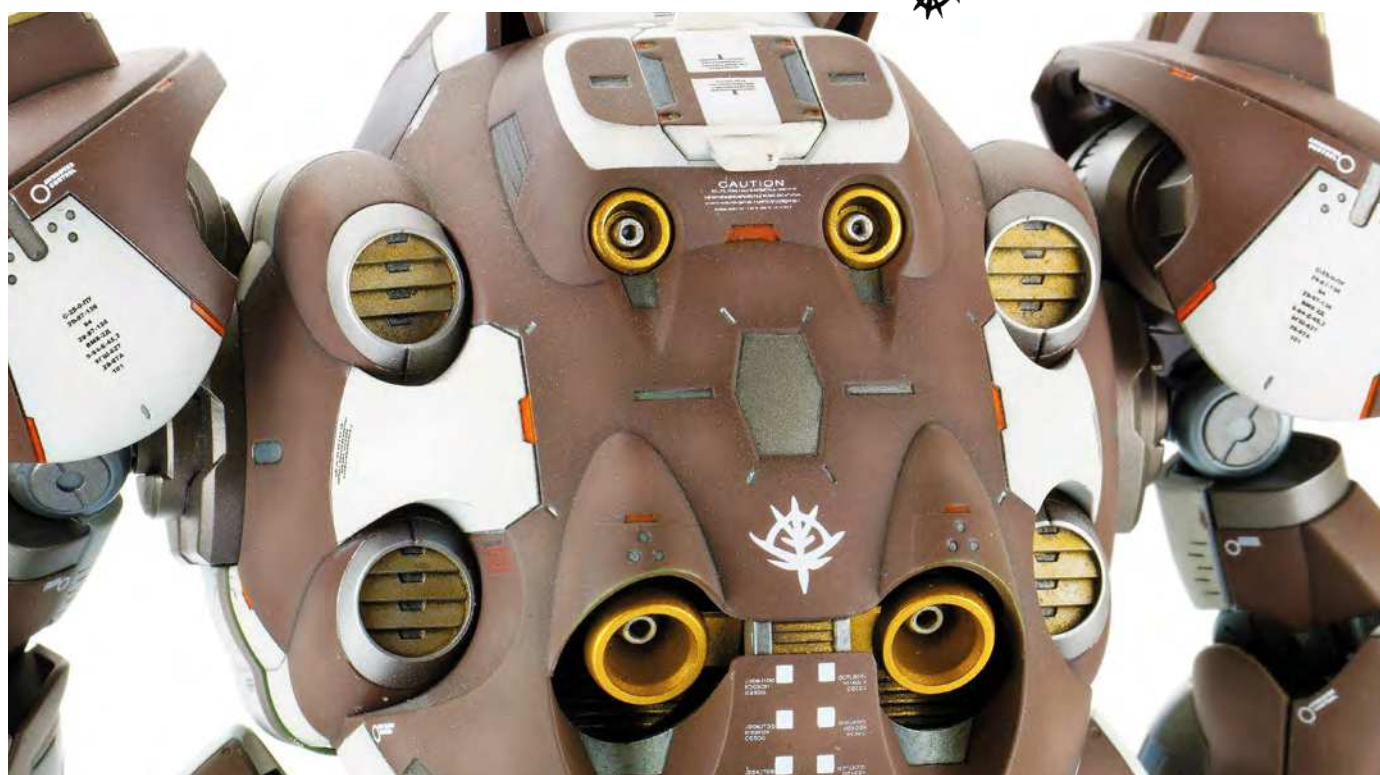




He then swung the Gusion's hammer at them, but Masahiro pushed Akihiro's Graze Custom out of the way at the last minute, and the hammer slammed into Masahiro's Man Rodis chest and pin it to the asteroid behind it. Barbatos continued its attack on the Gusion, eventually knocking its hammer away before stabbing its Long Sword between the exposed 'neck' of Gusion and through its cockpit, killing Cadel in the process. The machine was later seized by Tekkadan along

with nine salvageable Man Rodis. Since it was the Gusion that killed Akihiro's younger brother, Orga Itsuka considered selling the Gusion along with the nine Man Rodis. After a funeral was held for Tekkadan's crew and Brewers' Human Debris that died in the battle, Akihiro Altland expressed to Orga his desire to pilot the Gusion as a way of remembering his deceased brother. The unit's armour was later dismantled, and new armour fitted on using spare parts

from Gundam Barbatos and developed into Gundam Gusion Rebake. The kit built very easily, and I decided to add a custom paintjob using Mr Hobby Mahogany and White. The metallic areas were painted using a variety of shades, and the decals were mix take from several other Gundam kits. I then added some yellow detailing around the bodywork and finished off with a coat of Alclad Semi-Matt. The Bandai kits are just superb and lend themselves to a world of imagination! [Modeling](#)







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# Hawk on the Moon

**RENE VAN DER HART BUILDS THE 1:72 MPC (ROUND 2) SPACE: 1999 CRAFT**

## MPC (Round2)

**A**s a young old lad, around 1978, *Space: 1999* aired on the Dutch TV network. As I was, at the time hooked on everything sci-fi after seeing *Star Wars* on the big screen, this series had me glued to the TV with every new episode. The main star of the show was, of course, the Eagle Transporter. I already had a few years of modelling 'experience' under my belt and when I found out there were *Space: 1999* kits on the market, I had to have the Airfix



## Hawk Mk.IX

**Manufacturer:** MPC (Round2)

**Scale:** 1:72

**Kit Type:** Plastic injection moulded

**Kit Number:** MPC0881

Eagle too. Unfortunately, my budget was only sufficient to buy the smaller Hawk kit from the same brand. I can't remember what the finished, brush painted kit looked like but the memory is still great. Forty years later, I found a brand new release from MPC (Round 2) at a model show and this was purchased immediately. The kit sat in my collection for a few years but now, with the birth of *Phoenix Scale Modelling Magazine*, I had the perfect reason to build this beauty.

This new release by MPC is simply stunning. The details are really nice and the fit is great. A nice set of decals is included, as is a stand to show the model in flight. The main body is built up of an upper and lower fuselage half and an insert for the cockpit 'windows'. Here is where I made

the first deviation from the instructions.

On the TV model only the vertical parts are painted black, unlike on the Eagle where the horizontal part is black too. By coincidence, I found a photograph of a studio model where this area was painted black too. This was done for future episodes but the Hawk only appeared in a single episode and was seen in this configuration. Anyway, this part was painted first and then glued inside the fuselage and then masked off.

A great deal of planning has to be done with this build as you have to decide which





The main body

Some of the smaller parts

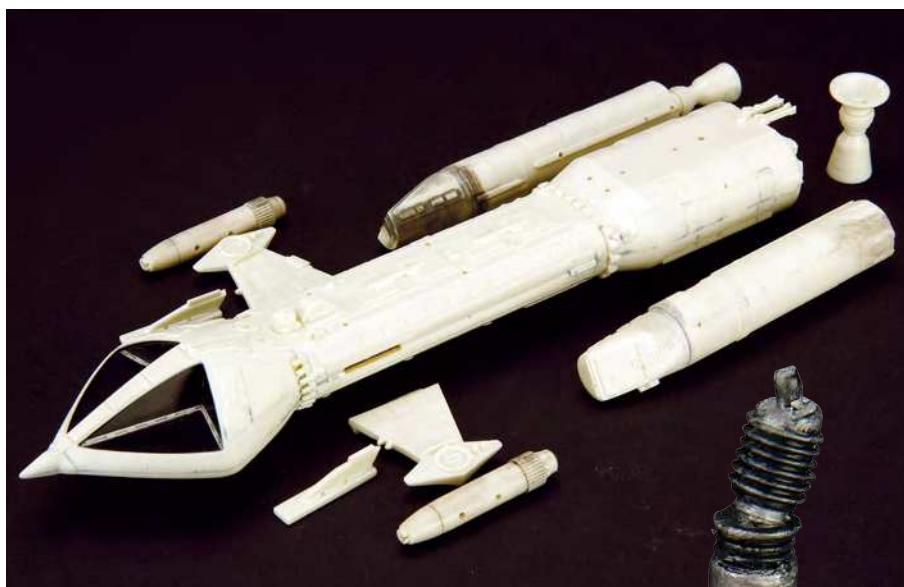
**A very nice set of decals is included, as is a stand to show the model in flight**

parts have to be painted separately and which not, as several areas will be impossible to paint and weather after assembly. I ended up making quite a few sub-assemblies.

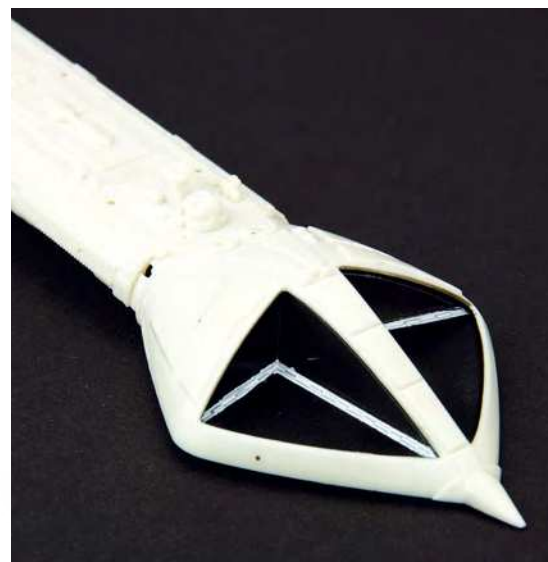
Another important factor to take into account is which version you will make. The full white version, or the white and orange one. I opted for the latter, as this is the one that appeared in the TV show.

The first part I painted was the engine, and Alclad Grey Primer was applied first, followed by several thin coats of Mr Hobby H12 White. For the other colours I loosely followed the painting instructions and painted several areas in black and different metal colours instead of Aluminium. I added a few drops to Mr Hobby H14 Orange, to make the colour slightly faded.





The main pieces ready for painting



The front end, looking very snake like

Preparing the engine....

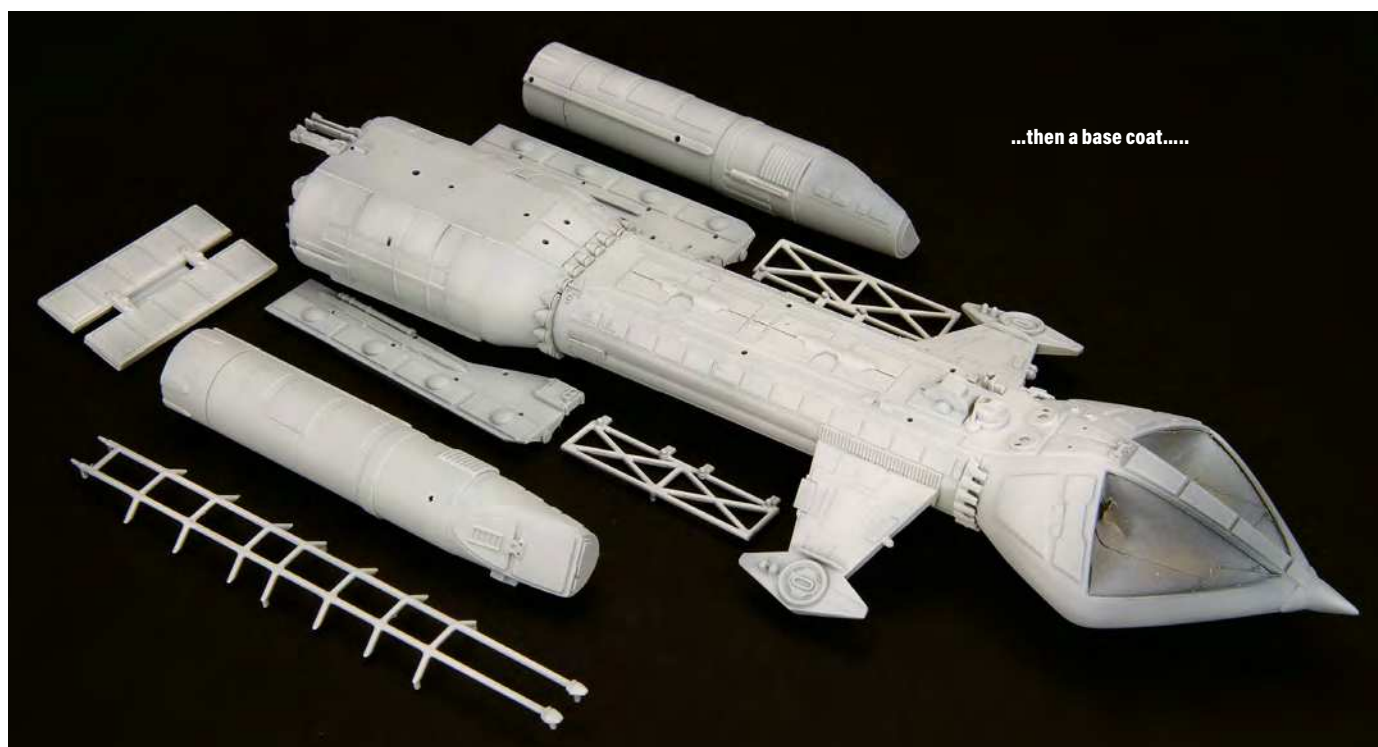


....and here is the finished part

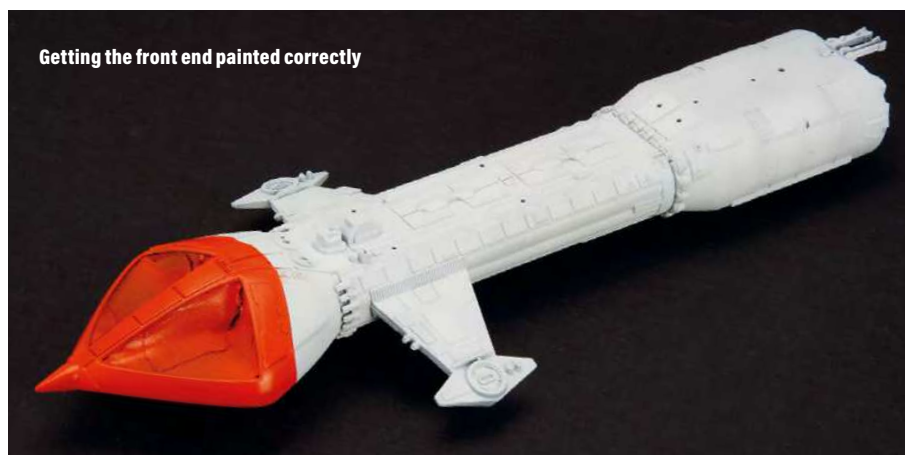
Adding a primer....







...then a base coat....



Getting the front end painted correctly

After the paint was dry, a few coats of Alclad Aqua Gloss were applied, followed by a wash made from Abteilung 502 Starship Filth (finally using it for what it was designed for) and White Spirit. This assembly was a test for the rest of the model, as I wanted the finished model to look used, but not like a complete wreck, as weathering white paint can easily be overdone.

Now this first assembly was finished, and after being satisfied with the result, many more sub-assemblies had to be made. As I mentioned before, the fit of this kit is very good and I needed only small amounts of filler to smooth out a few small seam lines. Most work went into cleaning the ladder construction on the spine and the frames



Ready for final assembly





Adding some  
weathering.....





....but no overdoing it

on top and bottom of the rear fuselage.

After all parts were ready, they were primed grey and painted white, as I did with the engine. Next, the engines pods and cockpit section were masked off and painted orange. The smaller engines were then painted in the same style as the main engine to keep some uniformity on the model. Several panels on the ship are either black or grey and are included on the decal sheet. However, I choose to mask them off and paint them instead. On the decal sheet there are several stencils and other decals, but I didn't use them, as in my opinion it didn't add anything to the model, which is already quite 'busy' as it is. After the paint had cured, all parts were given a few coats of Aqua Gloss and weathered with the same Starship Filth wash I used on the engine.

The next step was the final assembly of all the parts. Small drops of thin super glue (Zap with the pink label) were used to fix all the parts to the fuselage. This glue can be wiped away and leaves almost no stains. The final step was airbrushing a semi-gloss, almost flat coat over the model and remove the masks from the black windows. The base of the stand was then painted black and the finished model now 'floats' nicely above it using the metal support included in the kit. During this build I found out that Round 2 recently released a new Eagle transporter too. It is on order now and this will nicely sit next to this beautiful Hawk spaceship! 



## SIDE VIEW



## BANDAI

2557094 - 1:12 The Mandalorian Beskar Armour

[www.bandai.com](http://www.bandai.com)


## MPC

953 - 1:72 Millennium Falcon

[www.mpc.com](http://www.mpc.com)


## POLAR LIGHTS

PL982 - Area 51 UFO

[www.polar-lights.com](http://www.polar-lights.com)


## REVELL

06785 - 1:88 Boba Fett's Starship™

[www.carrera-revell.com](http://www.carrera-revell.com)

## MOEBIUS MODELS

Moeb2001 - 1:48 2001 Aries 1B

Moeb2001 - 1:72 Space Clipper

[www.moebiusmodels.com](http://www.moebiusmodels.com)


## ROUND 2 - STAR WARS!

MPC-949 - 1:144 B-Wing Fighter

MPC-948 - 1:93 X-Wing

[www.round2.com](http://www.round2.com)






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FIGURES



SCI-FI

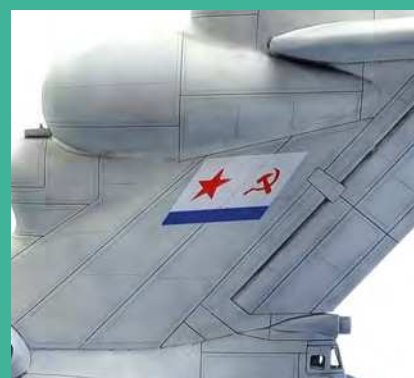


MARITIME

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# MARITIME

**78** Caspian Sea Monster  
LUN-Class Ekranoplan





# A Caspian Sea Monster

GRANT DALZELL BUILDS THE 1:144 TAKOM LUN-CLASS EKRANOPLAN BY GRANT DALZELL



## TAKOM

**T**he LUN-Class Ekranoplan is a ground effect vehicle (GEV) designed by Rostislav Alexeyev in 1975

and was used by the Soviet and Russian Navy from 1987 until the late 1990's. It flew using lift generated by the ground effect acting on its large wings when within four metres above the surface of the water. The LUN had a crew of fifteen and was powered with eight Kuznetsov NK-87 turbofans with a maximum speed of 550 kilometres per hour. Equipped for anti-surface warfare, it carried the P-270 Moskit, (Mosquito), guided missile. Six missile launchers were mounted in pairs on the dorsal surface of the fuselage with advanced tracking systems in the nose and tail.

walls are seen, so these need to be cleaned up. There are no colour call outs in the instructions for the cockpit, so I

had to source images on the internet to give me an idea of colours. I ended up using a light grey for the tub and walls, Russian cockpit turquoise for the instrument panel and yokes and I hand painted in the seats. I also added some foil harnesses to the seats. Once painted the cockpit received a custom wash of Abteilung Smoke oil paint and when dry, a coat of Mr Color Flat Clear was given. The front fuselage halves were then glued together.

## LUN-Class Ekranoplan

**Manufacturer:** Takom

**Scale:** 1:144

**Kit Type:** Plastic injection moulded

**Kit Number:** 03002

**I chose the box art scheme, an example from the Black Sea Fleet, 1987**



## THE BUILD

This build is of Takom's new 1:144 release of the LUN-Class Ekranoplan. The build starts with the cockpit, and yes, it is tiny, with the cockpit tub a little over 2cm long. The tub is moulded as one-piece and slots into the front fuselage halves, and unfortunately Takom have put ejector pins where the cockpit side







### CLEAR PARTS

There are clear parts for all the port holes in the model that glue from the inside, but I decided to leave these out and use Kristal Klear at the end of the build. There are four lifting strakes that slot into the lower nose. I had small gaps where they meet at the tip on mine, I tried manoeuvring for a better fit, but they were a real tight fit and forcing the issue would probably have resulted in a break, so I used plasticard to bridge the tiny gaps. I did a seam check on the front section at this stage as it was easier to handle before adding the back fuselage.

### REAR FUSELAGE

On adding the rear fuselage sections, a good side fit was had with nice flush joins to the front, but the underside had quite a large gap which was taken care of with Tamiya putty. After another shot of primer to check seams and tidy up where required, I looked at the canopy piece and the two clear parts for the gun turrets. Unfortunately, all of these were poor fits, the canopy especially, requiring some plastic of the airframe to be shaved down to get better fits.

### TAIL SECTION

The tail section was glued together, when dry, I tried a dry fit to the fuselage, and it did not fit. The fuselage has a countersunk area that the tail seats into, and this was too tight, so I scraped the edges of both areas to allow for a better seat. The wings and the outrigger floats were glued together with no problems. The multi engine nacelles went together nicely but were difficult to clean up the seams, as they are in hard to get at areas. Small files, sandpaper and bits of sanding sponges were used to achieve desired results. The missile launchers also went together without a fuss, however they missile tubes are numbered, and they sit on the fuselage in order.







### RIVETS

As I was adding rivet details, it was easier to do this by working on sub-sections. A 0.40mm Rosie the Riveter was used on the missile launchers, wings, tail pieces and engine nacelles and the fuselage where I wanted the rivet detail. Most of the areas I used a ruler to mark pencil lines and wiped off with IPA when done. Some areas I used Tamiya Tape strips, and freehand in difficult areas. I was at the stage now where I needed to work out how I would paint the beast! I decided it would be better to paint the wings separately, as with the engine nacelles and missile launchers. The tail section was glued on to the fuselage.

### SCHEME AND PAINTING

I chose the box art scheme, Black Sea Fleet, 1987. Takom have a partnership with Ammo/Mig, so all colour call outs are for this brand. I could not find a direct match for the blue on the bottom of the fuselage and outrigger floats, so I made up a custom blue to try and match. Once dry and glossed, these areas were masked off. The Grey was an easier match to find and Mr Color C311 was used for the rest of the model a black primer was laid down and then heavily thinned C311 was applied, gradually building up the layers. The blast areas under the launchers were painted Mr Hobby H333 Extra Dark Sea Grey.

The model was then given a coat of Mr Color Gloss Super Clear III, then the decals were applied. There were only eight for the scheme I chose, six Russian stars and two Russian Naval insignia the tail. Two stars were left off as they were on the underside of the wings. As the Ekranoplan flew only a few metres above water, I couldn't see much point in markings on the underside. The decals were extremely matt, and they took several coats of Agama Hypersol to settle them down.

I hand painted the engine intake fans and exhausts with Vallejo Metal shades at this time as well. Next, I gave the model coat of Flory Models Grey Wash. This is a clay-based wash and very easy to use. When dry, I wiped it back with moist paper towel and cotton buds in hard-to-reach areas. The wings were added on

next, followed by the missile launchers, then engines. A heavily thinned mix of the C311 Grey was then used for touch ups and blending in where required. During the build, I bumped and broke some of the gun barrels, so I removed the others and replaced them with some brass tube. Micro Kristal Klear was then applied with a toothpick in all the porthole windows. As the name suggests, this product dries clear like glass. The final part was to add the nose pitot, this was glued on, and the model was complete.

### THE BASE

Early in the build I felt that this model needed a base to display it on. So, I sourced a piece of pine large enough and cut to a shape, used a router to give base a nice edge. I measured the fuselage and the drilled holes for two clear pieces of acrylic rod to be placed, and drilled holes accordingly in the pine base. Next, I used some various shades of blue and airbrushed these on the base. Following this, I used Vallejo Water Texture, this an acrylic paste and is very easy to use to simulate a look of water. Next, AK Interactive Water Foam acrylic paste was used to add some foam to the waves trailing behind the craft. To finish off, varnish was applied to the base edge.

Although only 1:144 scale, this kit comes in at 51cm long and 30cm wide. It gets very hard to handle and requires a lot of space to display, even without the base. That said, the finished model looks quite impressive. I recommend this kit for those who want something different and like the weird or bizarre subjects - like the Ekranoplan! 





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# PHOENIX SCALE modelling

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April Issue On Sale Date - 31st March 2022

# COMING SOON

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



## Italian Maritime Striker

Robert Stinchcombe builds the 1:35 Italeri M.A.S 563/56

## Lemmy's Lorry

Jezz Coleman builds the 1:32 Revell Motorhead Tour Truck

## Speeding Mandalorian

Jezz Coleman brings a fresh view to a 3D printed model

## McLaren's Winning Formula

Rene van der Hart builds the 1:20 F1 Honda MP4/4

## PLUS

Extra content is available in our digital issues. So be sure to order your copy now at:- [www.phoenixscalepublications.co.uk](http://www.phoenixscalepublications.co.uk)

## X-Plane

Grant Dalzell looks at the 1:48 Freedom Model Kits X-47B US Navy UCAS Air Refuelling Limited Edition and 'X-Planes' it all!

## Turkish Delight

Lee Powell builds the 1:48 Kinetic F-16C in the markings of the Türk Hava Kuvvetler

## Snow Marten

Huw Morgan builds the 1:72 Special Armour Sd.Kfz.131 Marder II





# Historex Agents



**AD 43 Rokat Hot**  
Rokat superglue  
Super-thin, fast, penetrating  
adhesive sets 1-5 sec.



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does not run and is ideal for gap  
filling. Fast 10 second bond,  
Bonds: wood, plastic, metal,  
card, rubber etc.

**AD 44 Rokat Rapid**  
Rokat superglue  
Medium viscosity,  
fast setting adhesive  
sets 5-10 sec.



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Debondor and dissolver of superglue  
Releases bonded skin and  
removes superglue stains.  
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Rokat superglue  
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gap-filling adhesive  
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cyano glue  
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**AD 17 Rokat Blaster**  
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to bond difficult surfaces



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For bonding clear window plastic  
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Water clean up. 50ml.



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# F-104A/C

## USAF STARFIGHTER



F-104A Starfighter, 434th TFS, 479th TFW, George AFB, Ca



F-104C Starfighter, 435th TFS, 479th TFW, Udorn, RTAFB

### Model Features:

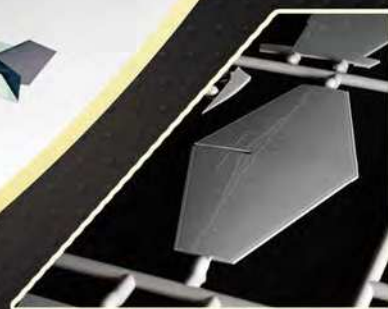
- Lockheed C-2 ejection seat
- Avionics Bay (behind the cockpit)
- Detail NLG wheel well
- Bulged tires
- Positional flaps and slats

Decals printed by



Photo Etched part is included

K48096  
SCALE  
1:48



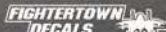
New engraving technology for crisp panel line and laser engraving for super detail

K48075  
1:48  
SCALE

Decal printed by



Decal designed by



VAQ-209 STARWARRIORS, EA-6B PROWLER ICAP # BLK 89, BUND 161833, 2009-2010



VAQ-209 STARWARRIORS, EA-6B PROWLER ICAP # BLK 89, BUND 163884, 2010

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# The Harley Davidson 'Fat Boy'

## MOTORCYCLE

**T**he Harley-Davidson 'Fat Boy,' is a V-twin 'Softail' cruiser motorcycle with solid-cast disc wheels.

Designed by Willie G. Davidson and Louie Netz, Harley-Davidson built a prototype Fat Boy in Milwaukee for the Daytona Bike Week rally at Daytona Beach in 1988 and 1989. Fat Boys were produced from 1990-2017 are coded FLSTF, and FLFB (and FLFBS) from 2018. An oft-repeated false etymology claims that the name comes from a contraction of Fat Man and Little Boy, the atomic bombs dropped on Japan during WWII, as a symbolic insult to Japanese motorcycles. This has been debunked, as the name 'Fat Boy' actually comes from the observation that the motorcycle is somewhat wider than other bikes when viewed head-on. In a 2015 interview, Scott Miller, Harley-Davidson's vice president of styling and product development, confirmed that the name was simply descriptive and had nothing to do with Harley's Japanese competitors.



The Fat Boy's frame is derived from the 1984 'Softail', which appears to have a rigid hardtail chassis but which in fact has a swinging arm with concealed springs that was originally designed in a Missouri garage in the 1970's by a mechanical engineer named Bill Davis and later Patented in 1976. Willie G, the grandson of Harley-Davidson co-founder William A. Davidson originally turned down engineer Bill Davis' softail concept; but the company later relented,

In 1996 the master cylinder and switch gear were revised.

In 1999 a new 1,450cc (88cu in) Twin Cam engine for the 2000 model year was used. This necessitated a bespoke engine variant and changes to the frame.

In 2002 bullet-style indicators, alarm and immobilizer were added.[10]

In 2005 a 15th Anniversary version was sold with a "Screamin' Eagle" engine, special paint and custom wheels.

In 2007 the displacement was increased to 1,584cc (96.7cu in) and the transmission changed six speeds.

The 2010 'Fat Boy Lo' FLSTFB had the lowest ever Harley seat height.

In 2012 the Fat Boy received the new 1,690cc (103cu in) Twin Cam engine along with the rest of the softail range







**For 2020, the  
Fat Boy is only  
available with the  
Milwaukee-Eight  
114 engine**







buying the rights and designing its own softail frame in-house. After 1994, the exhaust was made seamless.

The 2018 Fat Boys have a redesigned softail frame with Showa front and rear suspension and new twin-counterbalanced Milwaukee-Eight engines. The 2018 Softail frame also has a modified swingarm with a Showa rear monoshock suspension mounted beneath the seat, replacing earlier twin shocks. So as to provide a more comfortable and better controlled ride with improved handling, the front forks contain a Showa 'Dual Bending Valve' (SDBV), a cartridge simulator using two valves to control compression and rebound damping, giving linear damping characteristics proportional to fork stroke speed. Harley-Davidson claims the 2018 chassis is stiffer and lighter than earlier Softail and Dyna platforms. Further upgrades include an LED headlight and 18 inch 'Lakester' rims, with wider 160mm front and 240mm rear tyres. For 2020, the Fat











**Fat Boy!**

Harley Davidson Motorcycle

PHOENIX SCALE  
**modelling**







Boy is only available with the Milwaukee-Eight 114 engine. Harley-Davidson also produced a 30th Anniversary edition for 2020. The Fat Boy remains one of Harley-Davidson's best-selling models and has appeared prominently in a number of TV shows and movies. The Fat Boy earned a place in American pop culture after appearances in the movie Terminator 2: Judgment Day. One of the motorcycles used in Terminator 2 is displayed at the Harley-Davidson Museum, and it appeared again in Terminator Genisys. [more info](#)







**Porsche 934 RSR**

Martini Racing ► 1:24 Scale

PHOENIX SCALE  
**modelling**

# Porsche 934 RSR **Martini Racing**

*MARK THOMSON SHARES MORE IMAGES OF HIS THE 1:24 REVELL PORSCHE 934 RSR*











# Porsche 934 RSR

Martini Racing ▶ 1:24 Scale

PHOENIX SCALE  
**modelling**











# Porsche 934 RSR

Martini Racing ► 1:24 Scale

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# The Lun-Class Ekranoplan

*TO BACK UP OUR MODEL BUILD IN PSM HERE'S A LITTLE BACKGROUND INFORMATION  
AND AN UPDATE ON THE SOLE SURVIVING EXAMPLE*

**T**he Lun-class ekranoplan was developed on the basis of the experimental KM Ekranoplan, which was

nicknamed the 'Caspian Sea Monster'. The Lun was powered with eight Kuznetsov NK-87 turbofans, mounted on forward canards, each producing 127.4kN of thrust. It had a flying boat hull with a large deflecting plate at the bottom to provide a 'step' for take-off. It had a maximum cruising speed of 340mph, and was equipped for anti-surface warfare, carrying the P-270 Moskit (Mosquito) guided missile. Six missile launchers were mounted in pairs on the dorsal surface of its fuselage with advanced tracking systems mounted in its nose and tail. The only model of this class ever built to completion, the MD-160, entered service with the Soviet Navy Caspian Flotilla in 1987. It was retired in the late 1990s and sat unused at a Caspian Sea naval base in Kaspiysk until 2020. A second Lun-class ekranoplan was partially built in the late 1980s. While its construction was underway,

it was redesigned as a mobile field hospital for rapid deployment to any ocean or coastal location. Following the collapse of the Soviet Union in 1991 and cancellation of military funding, construction of the second craft was halted. As of 2021, the uncompleted model was stored adjacent to

**The only model of this class ever built to completion, the MD-160, entered service with the Soviet Navy Caspian Flotilla in 1987**

the Volga River in an old industrial complex within the central Russian city of Nizhny Novgorod.

On 31 July 2020, the completed MD-160 Lun-class ekranoplan was towed out of the naval base in Kaspiysk, with the intention of being eventually put on public display in Derbent, Dagestan, at the planned Patriot Park, a combination museum and theme park that will display Soviet and Russian military equipment. The towing operation involved the use of rubber pontoons, three tugboats and two escort vessels, and would have covered approximately 62 miles had it been completed. However, during the tow the Ekranoplan became stuck just offshore of a sandy beach, short of the intended destination. The team managing the towing operation was unable to free the massive vehicle, so the Ekranoplan was secured and remained beached in the surf zone while plans were drawn up on how to continue the move to Patriot Park. In the meantime, the unusual craft began attracting attention from the media, onlookers, and trespassing 'urban















explorers', even before the park was built. One report published in August 2020 stated that the hull, exposed to the waves in the surf zone, was taking on water. Moving the craft to dry land beyond the surf zone would eliminate the possibility that increased wave action during storms could damage the hull further. In December 2020 a successful recovery operation resulted in the Ekranoplan

being hauled out of the water, nose-first, with the tail ending up about 65-100ft from the sea. It was eventually towed ashore on 30 December 2021. [modeling](#)







# Sherman Mk.III

War Torn Italy ▶ 1:35 Scale

PROXIMA SCALE  
**modelling**

## Sherman Mk.III

**Manufacturer:** Dragon

**Scale:** 1:35

**Kit Type:** Plastic injection moulded with etch

**Kit Number:** 6313

### Figures

**Manufacturer:** Masterbox

**Scale:** 1:35

**Kit Type:** Plastic injection moulded

**Kit Number:** 3564

### Building and Well

**Manufacturer:** DioDump

**Scale:** 1:35

**Kit Type:** Plaster and Resin







# A Taste of Italy Diorama

*TOM PRIMETT BUILDS A SCENE OF RELAXATION IN  
WAR TORN ITALY*

## DRAGON

**W**e all have a good idea of the history of the Sherman tank, an excellent adaptive design that was produced

in huge numbers and used by all the allies. The British were a big user of the Sherman 3 which was a popular vehicle used in most theatres of operation. I wanted to create a diorama of this iconic vehicle in an Italian setting. The fascia of the building and the well are from the excellent firm DioDump. This is a one-sided front facing fascia that reflected a dilapidated building but not necessarily a bombed out building. I wanted to reflect some rubbish around the back to give an effect of derelict and burnt out. This was

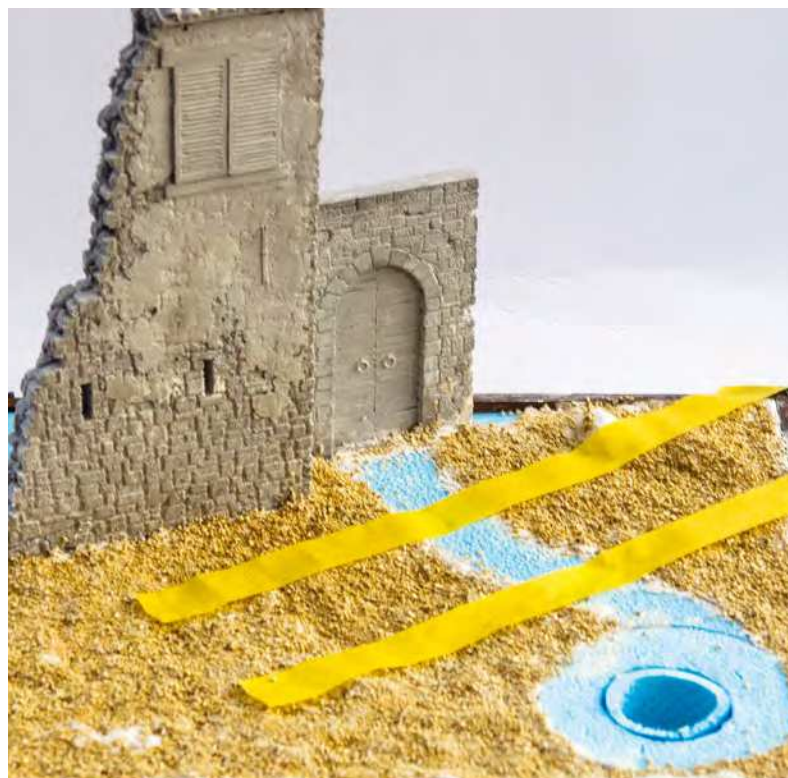
added using some scrap balsa, coffee stirrers and rubble. The well is a lovely little model and I wanted to do it some justice by adding some depth. This was added for the benefit of the late Nic Bavington who loved to shine his torch into every cubby hole when examining models. To create the depth, I constructed the sides with balsa and the added bamboo strips halfway up, giving a gap for the well. The extra well height was created by scribing some blue foam and carving to fit. This scribed foam was then roughed up using a rotary paint







Design sketched out



Groundwork added to PVA with tank track areas masked



Ready for vegetation note original path idea



Changed path idea to crazy paving created by plaster on clingfilm

stirrer which was allowed to jump over the bricks to give random damage. More foam is layered onto the bamboo strips to the height of the sides. I drew where I wanted the paved path to the well and added the building facia to the base. (Note – it's easier to paint the facia off the base, don't be too eager to add it first). The groundwork was added from multiple sources in layers using diluted wood glue. After the first layer I added the tape to stop building up under the tank tracks. The next bit was fun. For the 'crazy paving' I stretched some clingfilm over a photo frame and create a very thin layer of plaster of Paris/gypsum. When thoroughly dry this is gently broken up with a small hammer (for control) and added to the base. The mortar is added using a brown dry pigment brushed into the cracks and fixed with water. The painting of the building, well and groundwork is an exercise in randomness, so random that I lost track of what I used. The facia was

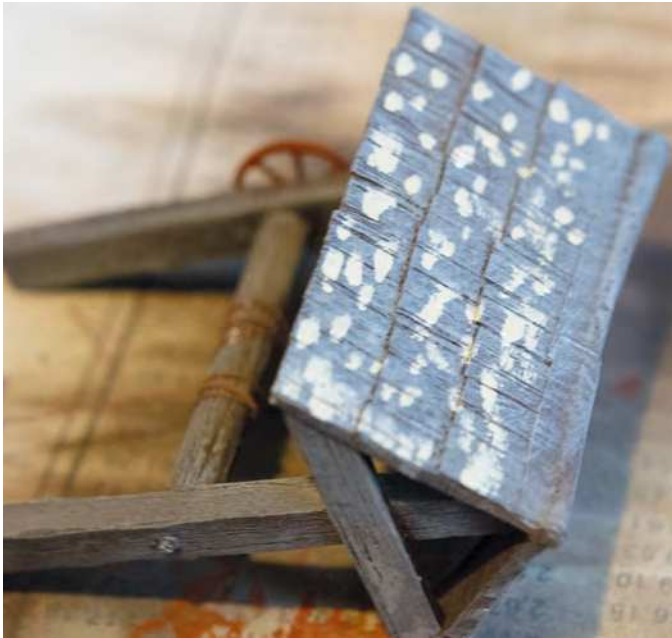
**The kit is well boxed and packaged and has some 480 parts, mostly styrene but a good amount of etch**

built up with various browns, some diluted and used on the groundwork. The terracotta plaster and green shutters are true to life and from a photo I took in Lake Garda Italy. Some dark washes were added, and then a second layer in the bottom few centimetres of the building. The same browns were used on the inside and outside of the well, with lots of

wash added to the inside. The roof of the well was painted a mix of dark browns and grey but then given a dot filter of Ammo by Mig Oilbrusher Sand to give a dusty feel.

The kit is well boxed and packaged and has some 480 parts, mostly styrene but a good amount of etch. As typical with any AFV or Sherman build it starts with the basic chassis, moves to the wheels and then build the top body. There isn't a Sherman out there that doesn't follow the same basic common sense build route. What is nice about the Dragon Sherman 3 is that has enough detail and adaptability to make each and every build unique. The pistol port was reinstated on later Sherman's for ease of removing spent shells. This was easily incorporated into the diorama with a basic arm and spent shell appearing from the turret. The 75mm empty shells came from an unremembered source, there are many suppliers around. I will admit that I love the extra detail that etch gives a model but





Weathering the well with Oilbrusher Buff



Well that looks OK



Test layout  
with part built  
Sherman



Colour scheme came from a holiday photo of  
shutters in Lake Garda Italy







Dragon Sherman has some great PE  
if you like the sort of thing



Custom Mix for base colour based on research



Base colour and flat black pattern added then decals



S = Dot Dot Dot also messy job



Dots blended with a downwards stroke





Figures given base coat and different drybrushes to give some variation of colour

will admit that I hate it with a passion, and this kit has lots of Brass. All the dust shields and front/ rear guards are brass as is the useful brackets along the vehicle which I believe to be the remnants of the lorry disguise system. This area will be covered up later by the MiniArt baggage which is designed to fit this system.

I mixed up the wheels a little with spoked and solid wheels as seen on many references.

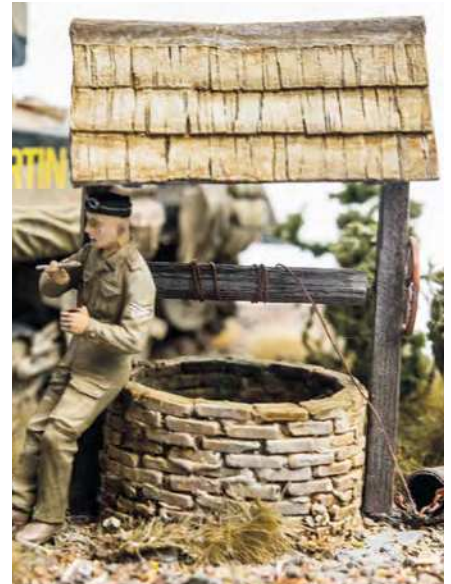
The completed build is primed using Ammo by Mig 2008 Desert Sand Surface Primer which gives an excellent base for the main colour. Using references from MAFVA

website and Mike Starmer/Mike Cooper I mixed up a large batch of British Light Mud. As specified in the article, this isn't an exact colour, but I would follow their reference as close as possible. The ratios used were Tamiya XF55, XF49 and XF66 mixed 4:2:1. This was diluted for airbrush by 50% using Tamiya thinner. For my batch there were 200 drops of XF55 for example (yes, I counted each one, hows that for dedication to the cause). This airbrushes on for a nice smooth muddy grey colour. The pattern of black was hand brush applied following the instructions guide. I would normally use masking tape and

airbrush to create but I am very conscious of the delicate PE brass that will be damaged. I am not overly concerned with the coverage or accuracy as this will be a heavily weathered vehicle, but more on that later. I also left off the pioneer tools to paint separately.

Typically, British armour in field would have a .30 or .50 Browning machine gun on display. This isn't supplied in the kit, so the spares boxes yielded up the necessary.

Decals are included for three tanks of the Royal Wiltshire Yeomanry from 1943 when they were stationed in Italy, which suits me



Tin of Tomato soup leaning on an Italian well



A relaxing moment





**Why the pistol port was reinstated on the Sherman 3 - it just makes sense**

Calling it done

just fine. All the suggested colour schemes are finished in a two-tone scheme as suggested in MAFVA references. The names are of Wiltshire towns, villages and pubs to help boost morale. I love Barford St Martin having visited many times and therefore chose this as my subject. After a coat of gloss varnish, I applied the decals and varnished again when dry. The decals are of good quality and were assisted by Ammo by Mig Decal Set. After a dry drying I moved onto the messy but fun weathering jobs. I started with a Dot Filter using Ammo by Mig Oilbrusher colours. I chose Space Purple to add some warmth and Light Flesh and Ochre to fade the base colours. The small dots are added randomly around the upper vehicle and immediately moved around and wiped off using a clean



brush and enamel thinners. Take care to use vertical movements on the upright surfaces and swirling on the flat surface. Most of the filter is removed and left to dry for a day. To accentuate some of the features I applied a general Body wash over most of the vehicle, concentrating a pin wash on engine grills and wheels

mainly. Using AK Interactive AK066 Enamel wash for DAK vehicles, this gave me the depth of shadow that I was looking for. The wash is allowed to dry for fifteen minutes and then tidied up using a moist clean brush, moist with thinners. After letting the enamel dry for a day, I applied a light dry brushing of the base colour diluted with white. The tracks are now given a coat of Panzer Aces Track Primer followed by track wash of AK083. I added some fuel spills around the fuel caps using diluted AK084 Engine Oil.

All the figures were airbrushed a sand primer and then Tamiya XF-49 Khaki. To give some variety to the base colour I dry brushed all with slightly different tones of lightened XF49 mixed with Ammo by Mig A.Mig 0600 White, A.Mig 0601 Light Grey and A.Mig 0616 Light Sand. Some of these mixes was also used on the tarps and bags. The box of biscuits on the ground is a spare Value Gear vegetables box scooped out and filled with bits of scrap plastic cut to the shape already in the figure's fingers. This was a most enjoyable project, especially as the quality of the items that I worked with was so good. There isn't such a thing as just another Sherman, each is an individual and deserves all the attention you can give it. [www.phoenixscalepublications.co.uk](http://www.phoenixscalepublications.co.uk)

