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**Model
MAGAZINE**
INTERNATIONAL

ISSUE
321

July 2022

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TAMIYA

Model MAGAZINE

INTERNATIONAL

UP FOR THE
CHALLENGE?

TAMIYA'S ALL-NEW 1:48
BRITISH CHALLENGER 2
MBT GETS BUILT,
STEP-BY-STEP!

KOMET TALES

GASPATCH 1:48
ME163B KOMET

A CHEVELLE FROM REVELL

REVELL 1:25 '68
CHEVELLE SS 396

WEAVE GOT IT COVERED!

TAMIYA'S 1:24 MCLAREN SENNA IN
SCALE MOTORSPORT CARBON-FIBRE

INSIDE...

Kinetic 1:48 IA58 Pucara, Me163B Komet references,
Revell 1:25 '68 Chevy SS 396, plus new kits, books and modelling accessories...

DOOLITTLE
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1/12 Big Scale Racing Car Series Renault RE-20 Turbo (w/Photo-Etched Parts)

(Item 12033)

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The Renault RE-20 Turbo recorded three triumphs in Formula One grand prix races in 1980, and this result prompted the development of numerous other turbocharged Formula One cars. Now, Tamiya welcomes back this pioneering car in the popular 1/12 Big Scale Racing Car Series! The eye-catching 1.5-liter V6 turbo engine features finely detailed turbo system such as turbocharger and intercoolers, ignition cables and fuel pipes. The transmission is also authentically rendered, and aerodynamic body and nose cowling sections are detachable even after assembly to show frame structures and side pontoon interior sections. Also, front and rear suspension are equipped with coil springs and movable. Enjoy this innovative car – the symbol of Renault's passion – in detailed Tamiya 1/12!



① Details such as engine, turbo unit, blow-off valves, intercoolers and oil tank are accurately depicted.



② Cockpit features realistic renderings of seatbelt, shift, brake and clutch pedals.

**High-quality Cartograf decals
& photo-etched parts included.**

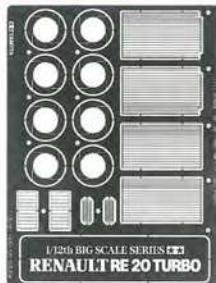
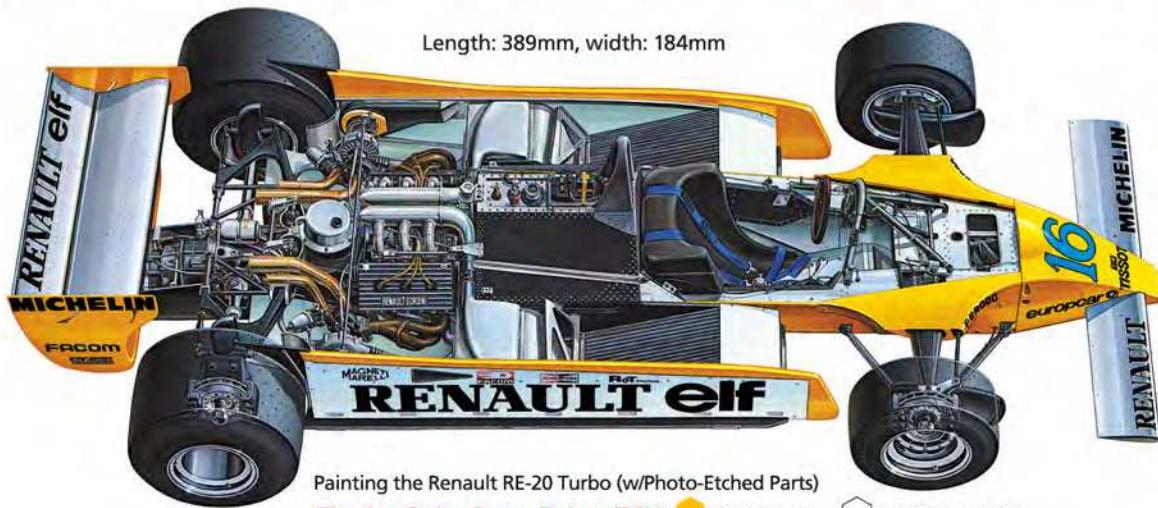


Photo-etched parts to depict radiators, intercoolers, oil coolers and brake discs.

Updated decals to recreate sponsor logos and body markings.

★Body cowling is white for ease of painting. ★The side pontoon underside sections – a feature of ground effect cars – are realistically captured. Side skirt parts move up and down. ★Steering wheel turns front wheels. ★Features realistic synthetic rubber tires with tread patterns and logos.



Length: 389mm, width: 184mm

**RENAULT
RE-20 TURBO
w/PHOTO-ETCHED PARTS
1/12th BIG SCALE SERIES**



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Painting the Renault RE-20 Turbo (w/Photo-Etched Parts)

• Tamiya Color Spray Paints (TS) •



TS-16 Yellow



TS-26 Pure White



6 UP FOR THE CHALLENGE?
Tamiya's brand-new 1:48 British Challenger 2
MBT, full-build

TAMIYA Model MAGAZINE INTERNATIONAL

Issue 321 July 2022

EDITOR Marcus Nicholls
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FROM REVELL!**
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IN BRIEF...



TAMIYA

- 1:32 Mini4WD Chevalier (MA)
- 1:32 Mini4WD Hyper-Dash 3 Motor J-Cup 2022
- 1:32 Mini4WD Hyper-Dash Motor PRO J-Cup 2022
- 1:32 Mini4WD Super Hard Low-Profile Tire & Wheel Set (Spiral) J-Cup 2022
- 1:32 Mini4WD HG Carbon Front Stay For Fully Cowled Mini 4WD (1.5mm) J-Cup 2022
- 1:32 Mini4WD HG Carbon Rear Multi Roller Setting Stay (1.5mm) J-Cup 2022

[hobbyco.net](http://www.hobbyco.net)



AIRFIX

- 1:48 Spitfire F.Mk.XVIII

airfix.com

DAS WERK

- 1:35 US 155mm howitzer M1918

das-werk-models.com



FAT FROG

- 1:24 Land Rover wheels/tyres for Revell

hobbyeasy.com



HASEGAWA

- 1:24 Nissan Skyline 2000GT-R

luckymodel.com



I LOVE KIT

- 1:16 M4A3E8 Sherman

bachmann.co.uk



ICM

- 1:48 Ki-21-1b Sally, Japanese Heavy Bomber (100% new moulds)

icm.com.ua



REVELL

- 1:144 CH-47D Chinook

revell.de



SPECIAL HOBBY

- 1:48 Siebel Si204E-3

specialhobby.eu



TAKOM

- 1:72 Silbervogel suborbital bomber
- 1:35 VT-12
- 1:35 Vz.100.01 Mammut 2-in-1

bachmann.co.uk

WINGSY KITS

- 1:48 Bf109E-7

wingsykits.com



TAMIYA'S TYRRELL TRIO!

1:12 and 1:20 '76 Tyrrell P34, 1:12 '71 Tyrrell 003

Not one, not two, but three Tyrrells are coming back from Tamiya! The classic 1976 P34 six-wheeler is in 1:12 and 1:20 and the 1971 in is 1:12. www.hobbyco.net



NEW FROM AIRFIX - NA F-86F-40 Sabre

This is an excellent new kit from Airfix and comes with very attractive markings for Norwegian and Japanese air forces. www.airfix.com



COMING SOON FROM EDUARD

Bf108, Fw190A-8/R2, Avia CS-199

Three treats in 1:32, 1:48 and 1:72! www.eduard.com

www.creativemodels.co.uk



NEW FROM TAKOM

1:16 US Jeep and driver

With a pair of big Shermans on the way, it makes perfect sense to have a Jeep to go with them! More news soon. bachmann.co.uk

COMING SOON FROM EDUARD

- 1:32 Photo-etched set Hawk 81-A2 for Great Wall Hobby
- 1:32 Photo-etched set Hawk 81-A2 seat belts for Great Wall Hobby
- 1:35 Photo-etched set Jackal 2 for Hobbyboss
- 1:48 Photo-etched set EA-18G for Hobbyboss
- 1:72 Photo-etched set TA-4J for Fujimi/Hobby 2000
- 1:72 Photo-etched set J1N1-S Gekko for Fujimi/Hobby 2000

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



COMING SOON FROM TORI FACTORY 1:48 SR-71A Blackbird pilots

These resin figures will add a sense of scale to Revell's recently-released Blackbird kit. (Figures also in 1:32).
www.msmodelswebshop.jp



Bob Letterman, former owner and CEO at the VLS Corporation

With profound sadness, we must inform everyone that Bob passed away on Monday, May 16th, 2022 at about 8pm. Bob was known for his passion for building super dioramas, which were known all over the world and for which Bob received worldwide acclaim in the modelling world in magazines, television programmes, and books.



NEW FROM REVELL '65 SHELBY COBRA

A true icon of motoring is on the way from Revell, in 1:24, the 1965 Shelby Cobra!
www.revell.de



COMING SOON FROM REVELL 1:72 SWS with Flak 43 and Sd.Ah.58 trailer

This interesting WW2 German anti-aircraft vehicle and trailer is coming soon from Revell in 1:72.
www.revell.de



NEW FROM DELUXE MATERIALS Precision Plastic Glue

This is a low-odour, liquid plastic cement with pin-point applicator for scale modellers, with a ten second working time to allow easy spreading and time for positional adjustment. Precision Plastic Glue is available through all good model shops.

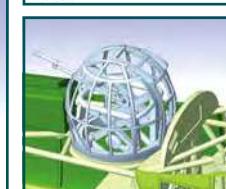
UK: www.ripmax.com

USA: www.horizonhobby.com



NEW FROM AIRFIX - 1:48 Avro Anson

Here are some developmental CAD images of Airfix's new-tool AVRO Anson - it's going to become an instant classic! www.airfix.com



Chris Deith, Meridienne Exhibitions

It is with deep sadness that we announce the death of Chris Deith, who passed away suddenly on 12th May at the age of 76. Chris will be remembered by many in the model engineering and hobby world as the mastermind and entrepreneur who created TEE Publishing, Engineering In Miniature, Meridienne Exhibitions and the Warwickshire Event Centre. Chris is survived by his wife Bridget, daughter Avril, daughter in law Heather and three grandchildren. Chris achieved so many things during his lifetime and his daughter Avril, who has worked alongside him for many years will now continue his legacy in his honour with the support of family and the team.



UP FOR THE CHALLENGE?

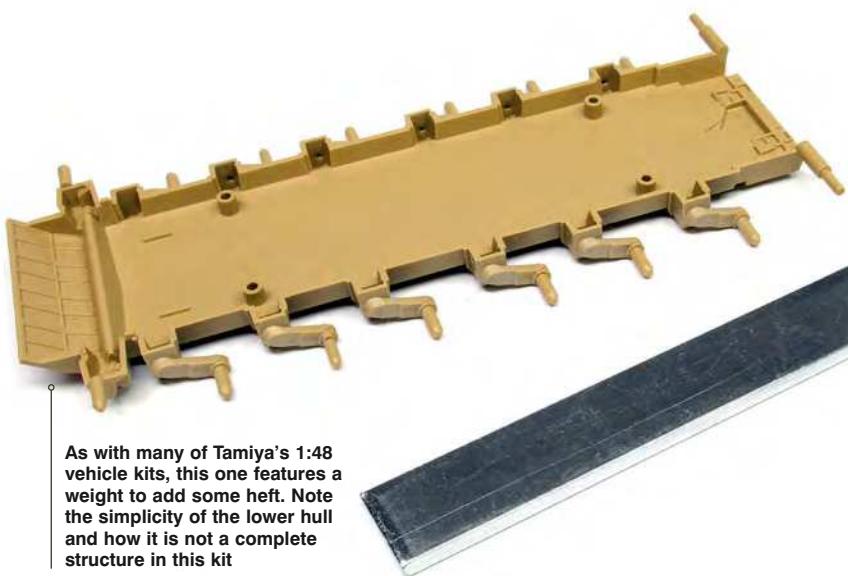
Spencer Pollard takes a detailed look at Tamiya's latest 1:48 armour kit, another that steps away from WWII to bring us something with a more modern flavour...



With well over 100 kits in the 1:48 Military Miniatures Series, Tamiya has of late begun to tackle vehicles that are not WWII in vintage. Along with the M1A2 and T-55 amongst a few others, they have now turned to another main battle tank – and a British one to boot – in the form of the 'Desertised' Challenger 2. Always an attractive vehicle, the addition of armour and desert sand shields ready for action during Operation Telic in 2003 made it an aggressive-looking machine in reality and highly-detailed subject, in miniature.

Let's first though deal with the elephant in the room; you can only build the kit as offered, there being no

chance to replicate a 'vanilla' Challenger 2 without all of the updates seen here. As you will discover as this article unfolds, Tamiya have designed their kit to be utterly variant-specific, the lower hull being designed with only the additional armour and canvas shields in mind. In so doing, they have massively simplified the lower hull, replicating only a portion of the running gear, suspension and tracks. This works well in the kit, all missing areas of the hull being hidden by those shields. It also simplifies construction, but as mentioned, would need considerable work to add the missing walls of the hull. I'm not saying it would be impossible, but certainly not a job for the fainthearted! ▶



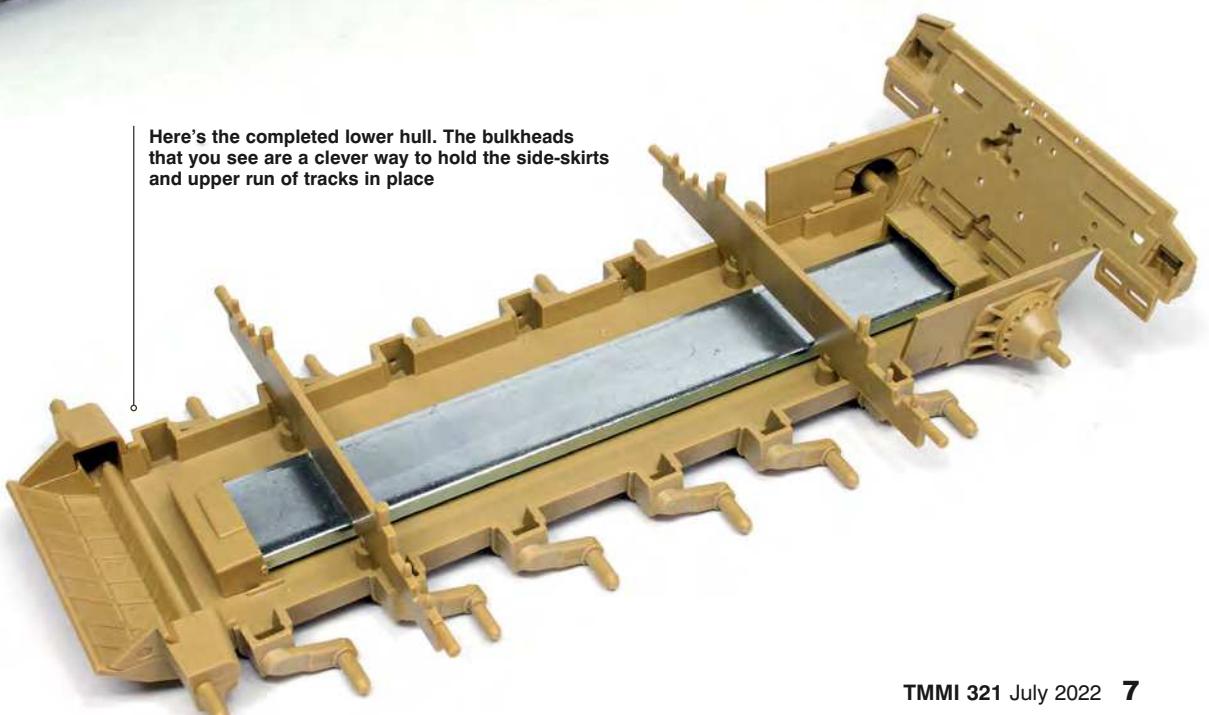
As with many of Tamiya's 1:48 vehicle kits, this one features a weight to add some heft. Note the simplicity of the lower hull and how it is not a complete structure in this kit

Tamiya Extra Thin Cement was used for basic construction, industrial superglue being used to hold the weight in place





Here's the completed lower hull. The bulkheads that you see are a clever way to hold the side-skirts and upper run of tracks in place



FULL-BUILD: MODERN NATO ARMOUR

TAMIYA 1:48 BRITISH MAIN BATTLE TANK CHALLENGER 2 (DESERTISED) ● KIT NO.32601

● IN THE MOOD TO BUILD IT

With that discussion out of the way, how does the kit look and what can you expect from it when it hits the shops — hopefully — in June. Well, it's everything that you might hope it would be: well-designed, accurate, beautifully moulded and highly-detailed given its scale and superficial simplicity. It also rates highly in being moulded in sand-coloured plastic. I know that this is often of little importance to most, but it helps that the vast majority of my favourite kits have been moulded in this colour, so it tends to put me in the mood to build it as soon as I open the box!

Simplicity is certainly evident as soon as you take a closer look at the contents. Large parts such as the lower hull complete with suspension arms, the single-part upper hull and those all-in-one armoured skirts and sand shields, point to a kit that will not take long to build. Even when taking into account the necessary breakdown of the turret shell, link and length tracks and the multiplicity of smaller parts, this kit is little more than a day's modelling to build. Indeed, even with some of the detail that I added, I only worked on it for a day and half prior to painting, making this a perfect 'weekend' project.

Across the board, detail is well-rendered and in the main, comprehensive. There are simplifications and there are a few omissions, such as the light cables replicated in this article, but both are minor and unlikely to be seen as too much of a compromise.

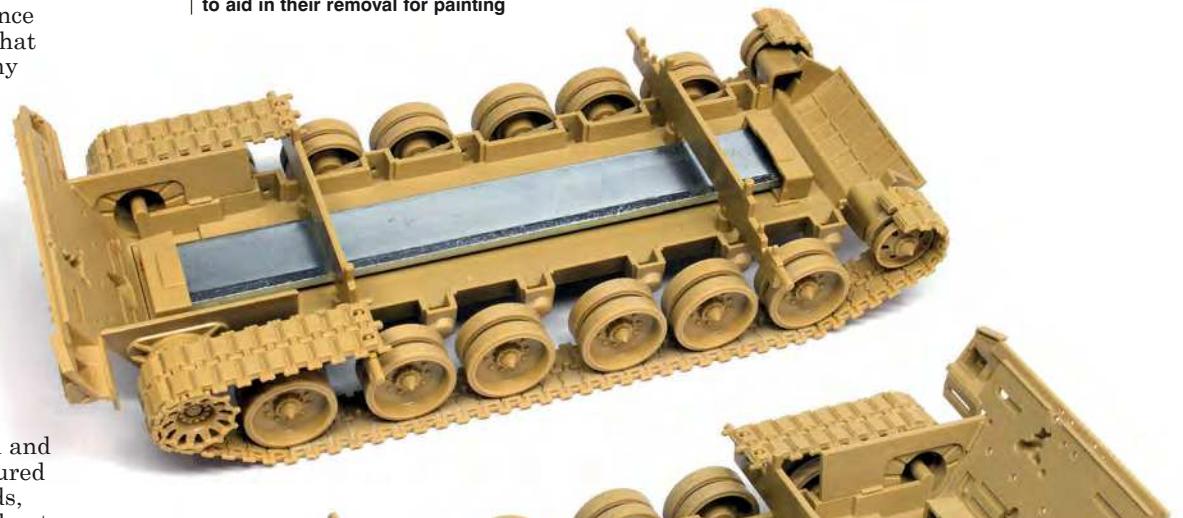
Where Tamiya have really excelled is in the depiction of the surface detail that defines this machine. Though superficially a fairly smooth shape, there are a lot of features to replicate, especially around the engine deck and those skirts and shields. ◉



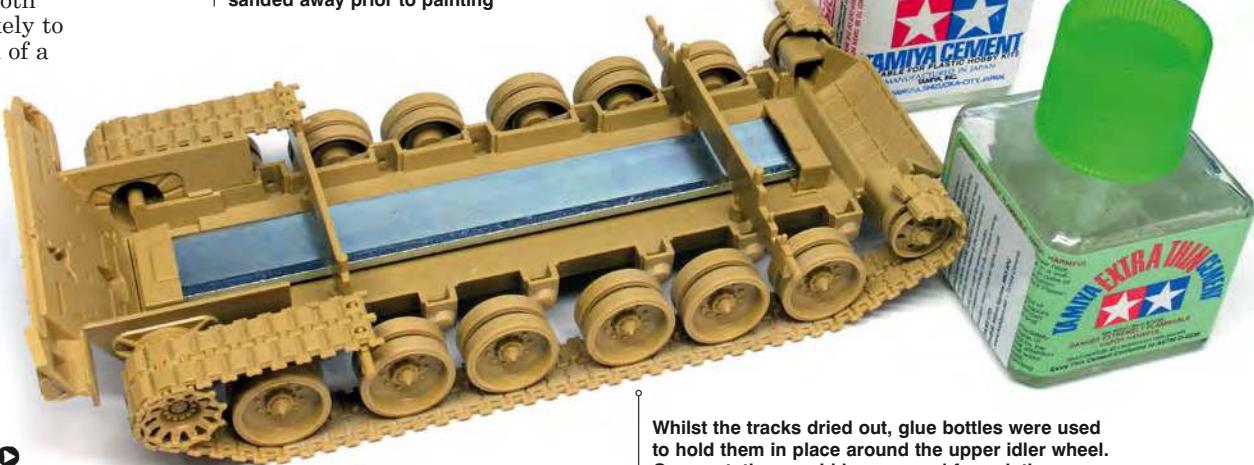
Wheels, all cleaned up and assembled. Moulding quality made this quick and easy. Instructions suggest the use of polycaps within the sprockets, but these were left out to aid in their removal for painting



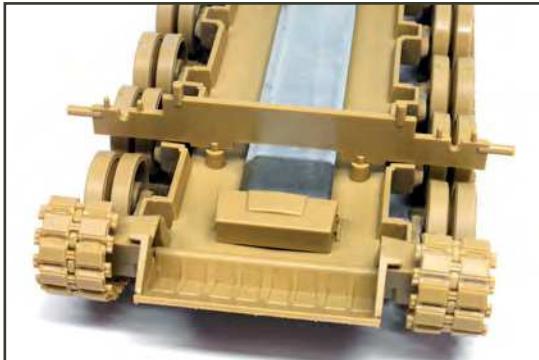
In order to perfectly align the tracks, one of the roadwheels, right and left, feature a different locating mount and then this pin that slots through the lower run of track



The lower hull is now completed with the addition of the roadwheels and the 'link & length' tracks. Ejector pin marks can be found on the inner face of the track parts, so these need to be carefully sanded away prior to painting



Whilst the tracks dried out, glue bottles were used to hold them in place around the upper idler wheel. Once set, they could be removed for painting



A close-up of one of the bulkheads, reveals the pins that are used to hold the skirts in place. Note the superb track detail in this shot



Here, you can see how the rear bulkhead holds the upper run of track in place, further aligning it with the sprocket and then the rest of the run under the roadwheels



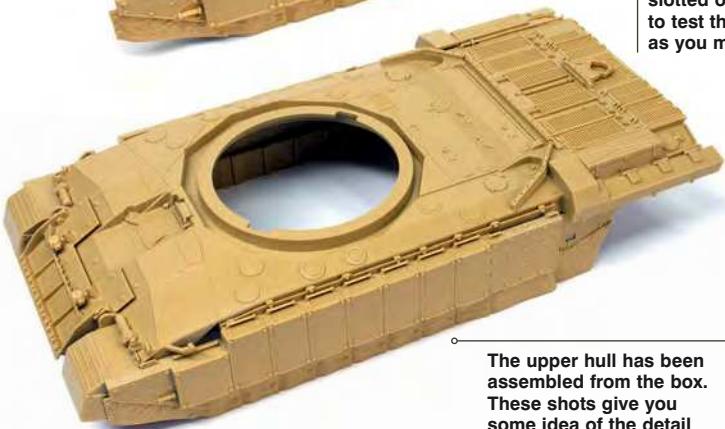
Tracks were all assembled with Tamiya Cement and then Extra Thin Cement to further strengthen the joints. Here are both runs, removed, ready for painting



The side-skirts have been slotted onto the bulkheads to test their fit. It's perfect, as you might imagine!



Close-up of the pin and socket joint that holds the skirts in place. In order to allow me to create a complete upper hull with these skirts in place, and then a lower hull that could be painted separately, these pins were removed, allowing one sub-assembly to drop over the other.



The upper hull has been assembled from the box. These shots give you some idea of the detail that's included within this wonderful new kit



The fully-assembled turret. I was pleased to see that the gun barrel in this kit was moulded in one piece, clean-up being a doddle as a result.

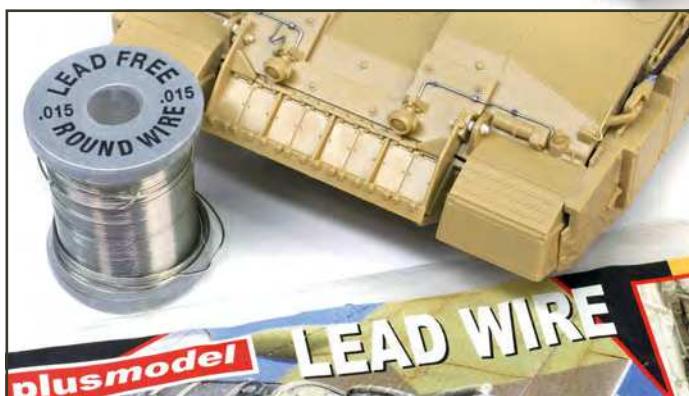
Note the sharpness of the features and the precision of the engraving that differentiates the upper surface panels

FULL-BUILD: MODERN NATO ARMOUR

TAMIYA 1:48 BRITISH MAIN BATTLE TANK CHALLENGER 2 (DESERTISED) ● KIT NO.32601

Who can resist bringing together the hull and turret when building a model tank?! The purposeful lines of this vehicle are superbly captured by Tamiya as well in 1:48 as they were in their 1:35 offering

I was particularly taken with the latter, the recreation of the canvas skirting looking to be most pleasing, tiny details only becoming apparent as painting commenced and subtle rounds of drybrushing were carried out. Similar thoughts crossed my mind too, when work was carried out over that engine deck, as indeed did they over the upper surface of the turret, incredibly tiny details popping like magic with the waft of a drybrush loaded with paint. But it wasn't just the detail that impressed, it was the finesse of everything as moulded, the sharpness of edges and the minimal draft angles that combined, creating fit and tolerance between parts that ensured filler and sanding was simply unnecessary. This kit is super-simple to build and those innate features are the reason why. ▶



Lead wire was used to replicate the missing cables for the glacis plate lights...



...And here they are in place. Tiny rectangles of lead foil were used to create their brackets, though with hindsight, it may have been better to use thinner, kitchen foil. Maybe next time...



Another small addition was this mirror bracket, made here from copper wire, bent to shape



And finally! I added a small bracket for the tow cable, a simple chip of plastic card replicating this feature in 1:48

eduard.

LIMITED

1/48

*Spitfire Story:
Per Aspera ad Astra*



1. AB509, W/Cdr John M. Checketts, No. 142 Wing, RAF Horne, Surrey, Great Britain, June 1944
2. AR511, S/Ldr Tomáš Vybíral, No. 312 (Czechoslovak) Squadron, RAF Churchstanton, 1942 - 1943
3. AB174, P/O Antoni Glowacki, No. 303 (Polish) Squadron, RAF Northolt, Great Britain, August 1942
4. Lt. John Anderson, 5th FS, 52nd FG, 12th AF, La Sabata, Tunisia, February 1944
5. F/O James H. Montgomery, 4th FS, 52nd FG, 12th AF, Corsica, August 1943

6. JK448, No. 352 (Yugoslav) Squadron, Vis, Yugoslavia, September 1944
7. JK891, No. 335 (Greek) Squadron, Hassani, Greece, February 1945
8. BR349, P/O John L. Boyd, No. 185 Squadron, Takali, Malta, May 1942
9. BR294, P/O Donald G. Reid, No. 185 Squadron, Hal Far, Malta, May-June 1942
10. MA654, F/Lt Kevin F. Gannon, No. 615 Squadron, Palel, India, July 1944
11. BS295 (A58-20), W/Cdr Clive R. Caldwell, No. 1 Wing RAAF, Australia, 1943
12. A58-145 (EE852), F/Lt Llewellyn Wettenhall, No. 79 Squadron RAAF, Kiriwina, Trobriand Islands, December 1943

Spitfire Mk.Vc
in RAF, USAAF, RAAF service
in the ETO, MTO, CBI and PTO

DUAL COMBO

JUNE 2022 #11162
WWW.EDUARD.COM

FULL BUILD: MODERN NATO ARMOUR

TAMIYA BRITISH MAIN BATTLE TANK CHALLENGER 2 (DESERTISED) ● KIT NO.32601



Painting began with a blocked-out layer of shadow that was applied around deep detail and underneath such things as the turret. Tamiya Flat Black, Flat Earth and Red Brown helped to facilitate this step



Needing an article all by itself, the distinctive sand colour was applied using Tamiya LP-30 Light Sand and then a number of different tones mixed from that colour, as well as Flat White and Desert Yellow

CONSTRUCTION TIME WAS MINIMAL

I mentioned earlier on, that the lower hull is the one area that exhibits the most simplification, a lower floor, rather than complete 'tub' holding the suspension, wheel and tracks. Though this will undoubtedly raise an eyebrow or two, the subsequent assembly that results from the reduction in complexity and parts, is to be applauded. Never one to overly enjoy masses of parts in areas I will never see, being able to quickly work through the first stages of this build with little in the way of stress, was noteworthy. Even taking into account the link and length tracks and some annoying ejector pin marks that decorated the surfaces of each piece, construction time was minimal, despite the resulting sub-assembly being as detailed as I'd hoped it would be.

Construction is completed with a very nicely sculpted figure and then a single set of markings that allow you to replicate a representative Challenger 2 from the Royal Scots Dragoon Guards (Carabiniers and Greys), 7th Armoured Brigade, serving in Iraq during April of 2003. The decal sheet is really well printed, containing as it does the vehicle's Unit and tactical markings, as well as not only some smaller stencils, but also small black rectangles that decorate the vehicle's vision block glazing. As someone who really doesn't enjoy painting those little vision blocks, this was a very welcome inclusion, allowing them to be decorated quickly and with ease. ◉



The wheels were first airbrushed with a layer of Rubber Black, before spraying the hubs with Light Sand, using a circle template as a convenient and easy to use, mask



The basic paintwork is now complete. Notice the multiple tones in these shots and how individual panels have been airbrushed to imitate light and shade. Before any further work, the model was treated to several layers of Games Workshop Purity Seal which created a tough, satin finish, ready for further work

AMMO's Afrikakorps was used to initially define the model's surface detail, their Odorless Thinner being used to blend it in



The wash has been carefully applied around the model's surface detail and is being blended-in with Odorless Thinner and a soft brush



The model has been completely washed and any residue, feathered in. Compare these shots with the previous ones, to see how much more elevated the finish can be once accented in this way

With the wash dry, surface detail was refreshed with drybrushed layers of Vallejo acrylics applied with these amazing, Artis Opus drybrushes. With care and thin layers, acrylics create incredibly subtle effects, every bit as consistent as traditional enamels



FULL-BUILD: MODERN NATO ARMOUR

TAMIYA 1:48 BRITISH MAIN BATTLE TANK CHALLENGER 2 (DESERTISED) ● KIT NO.32601

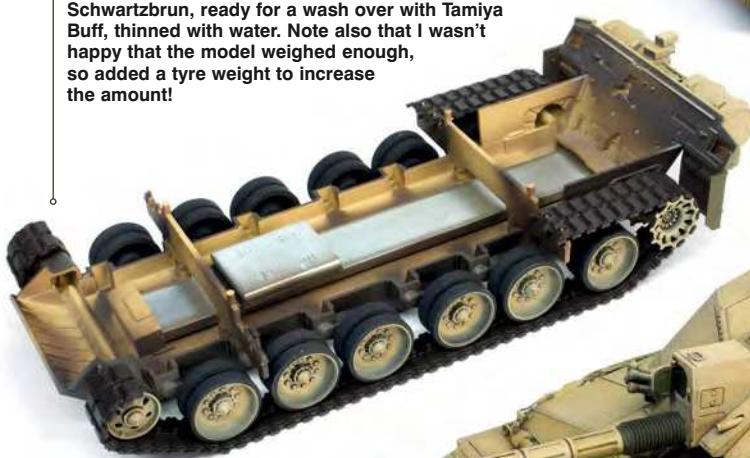


Along with drybrushing, individual details such as bolt heads, were picked out with acrylics, those on the upper surfaces being intentionally lighter than those further down to work in concert with the light and shade applied earlier on

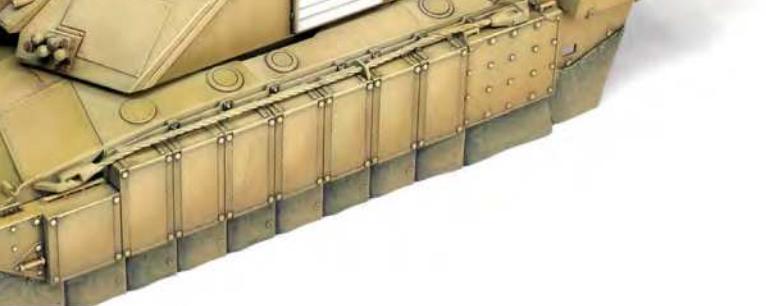


Wheels and tracks now in place. Honestly, very little of this can be seen on the model, so blocking out colour and adding simple layers of dirt and dust, is a sensible course of action. Here, the tracks have been painted with Mr Hobby Schwartzbrun, ready for a wash over with Tamiya Buff, thinned with water. Note also that I wasn't happy that the model weighed enough, so added a tyre weight to increase the amount!

The upper hull and turret and really starting to come alive!



Details were picked out with acrylics. The white Combat Identification Panels (CIP) with Vallejo White, black details in Vallejo Black and then all green details, with AK Interactive 3G NATO Green. Skirts were base-coated in AK 3G Olive Drab and then highlighted with Canvas



Though I liked the way the model looked, I wanted to up the saturation over the panels, so applied thin red and yellow filters with my airbrush and thinned, Tamiya Clear Red and Clear Yellow. Note how this has helped to further boost the shading around the panels on the side-skirts and the sides of the turret



This was my first experience of using AK's 3G paints, and I have to say that it won't be my last!

Accentuating the detail involved several rounds of painting, drybrushing and accenting until I had the effect I was after. AK's Light Earth was very useful when it came to creating lighter highlights on the way to almost pure white for the most extreme applications

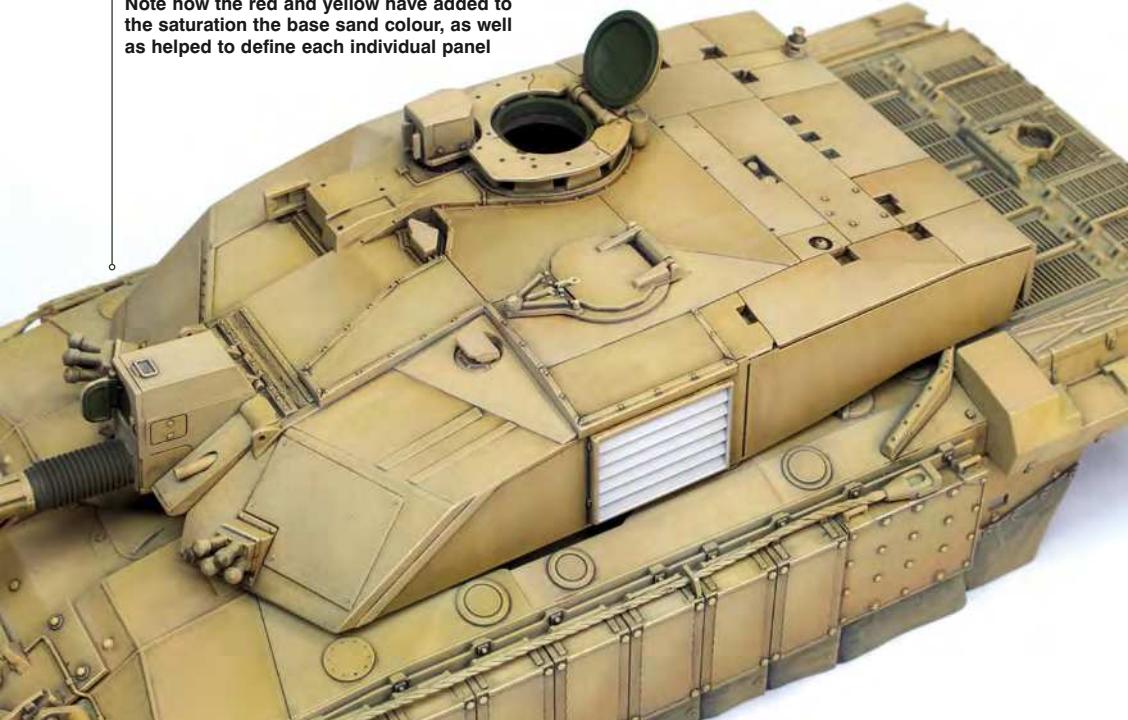


As well as using 'military' acrylic shades, I also brought into play Games Workshop paints to tackle brighter details, such as these indicator lights both on the glacis plate...



...And on the rear hull. With high levels of pigment, these paints proved to be highly versatile during this stage in the model's painting and weathering

The upper turret also benefited from some attention with the clear filters seen earlier. Note how the red and yellow have added to the saturation the base sand colour, as well as helped to define each individual panel



Ammo's excellent Decal Set was used to settle the decals into place. This has become one of my go-to products over the last year or so and is highly recommended

FULL-BUILD: MODERN NATO ARMOUR

TAMIYA 1:48 BRITISH MAIN BATTLE TANK CHALLENGER 2 (DESERTISED) ● KIT NO.32601

● FINAL THOUGHTS

Tamiya's Challenger 2 is a very fine addition to their 1:48 vehicle range. Of course much of that is down to the quality of the kit in terms of mouldings, accuracy and detail, but it is also in part thanks to this being another modern kit in a range that hitherto has been almost exclusively WWII in bias. As mentioned, you cannot really build anything from this kit other than the subject matter thanks to the breakdown of the parts, but that in no way diminishes the pleasure that you will gain from constructing this kit and then displaying it once finished. I thoroughly enjoyed this project and love the completed model, as I imagine will you all, should you choose to build one when it is released in due course. ●



Soldiers of 1 A Squadron, Queens Royal Lancers (QRL) patrolling outside Basra, Iraq onboard a Challenger 2 Main Battle Tank during Operation Telic 4.

Photo: Graeme Main, MOD 45148325



Thanks to Tamiya for the review sample built this month and to both Ammo and AK interactive for the paints used to complete it.



NEW
PARTS

1:48

NORTH AMERICAN F-86F-40 SABRE™

A08110

NORTH AMERICAN F-86F-40 SABRE™

A later development of the classic Sabre, the F-86F-40 variant was the ultimate day fighter version of this famous aircraft and featured a number of

improvements which kept the Sabre at the forefront of world fighter technology. With a new engine giving the aircraft more power this variant re-introduced the leading edge slats to the '6-3' wing area increase, enhancing the dogfighting capabilities of this famous fighter, whilst at the same time reducing the aircraft's landing approach speed to a much more manageable 124 mph. These modifications proved so successful that many earlier variants of the Sabre were retrospectively upgraded to include these advancements.



NORTH AMERICAN F-86F-40 SABRE™
"The Flying Jokers" aerobatic team, No. 332 Squadron, Royal Norwegian Air Force, Rygge Air Station, Norway, June 2nd 1962.



NORTH AMERICAN F-86F-40 SABRE™
1st Air Wing, Japan Air Self-Defence Force, Hamamatsu Air Base, Hamamatsu, Shizuoka Prefecture, Japan, December 1975.

Length 239mm Width 250mm Pieces 156

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CHEVELLE FROM REVELL!



Douglas Weir goes Stateside with his latest build, Revell's recently released 1968 Chevrolet Chevelle SS 396 in 1:25

I'd first become aware of this kit when I watched a build series by Paul Bretland on the 'ISM' YouTube channel. This was during the first 2020 lockdown when I was increasingly finding myself watching a variety of scale modelling channels to keep myself entertained and the first seeds were being sown around my eventual return to scale modelling. About a year after I'd started building car models, I found I was reaching for this one out

of the pile of kit boxes I had by now accumulated. This was to be my third Revell kit after building both their Land Rover Series 3 and E-Type Coupé, but it would be my first American muscle car build (if you discount the Tamiya Mustang GT4) and I was looking forward to the build. It followed the same pattern of my previous Revell builds in that it includes an engine and the bonnet (hood) can be opened to show off your work. ▶



FULL-BUILD: CLASSIC AMERICAN MUSCLE CAR

REVELL 1:25 '68 CHEVY CHEVELLE SS 396 ● KIT NO.07662

● BODYWORK

Like most folk I'm not the biggest fan of Revell's end-opening boxes as I find they squash quite easily and are completely useless for holding parts during the build (although I did see a trick on taping them up so the back can be opened like a lid), however everything was neatly packaged in plastic bags and the bodyshell was nicely moulded and clean of any flash, not that you'd expect anything less for a 2019 new-tool kit.

There were the usual seam-lines running the length of the body to deal with and due to the more complex nature of the body shape around the rear lights. Revell had tackled this by moulding separate parts which had to be

cleaned up and glued in place. Thankfully Revell had been sensible and used an existing body panel line for where the pieces attach to the body, so no filling/sanding is needed to blend everything in.

Since this kit has a separate bonnet, I needed to attach the hinges and the final piece that is needed to be body colour is the small panel that runs across the front of the body below the headlight/grille. This is kept separate as it attached to the underside of the headlights rather than being attached to the body itself.

PONTIAC AUTUMN BRONZE

Once I was happy that the body prep was complete it was time to put down a coat of primer and for this build I opted to use Mr Surfacer

1500 Black as my colour of choice would work best with a black base according to Gravity Colors (from whom I purchased the paint). With the various parts primed and left overnight it was time to do the base-coat. My choice for this build was Pontiac Autumn Bronze (this is potentially sacrilege to some – a Pontiac colour on a Chevy but both are GM brands!) I won't deny that my choice was influenced by Paul's build on ISM where he used Chevrolet Classic Copper. I liked the dark brown and thought it was era appropriate for the car however to be a bit different I opted for the Pontiac Bronze which is slightly lighter. The body was given eight light coats of the Bronze which was then left overnight.

It was then time to add the few decals I wanted to apply. I went with white stripes on this one (after asking my wife what she thought), black being the other option on the decal sheet. The decals were left overnight so I could then do the Bare Metal Foil on the window trims. This was my second time using Bare Metal Foil, the first time was on the E-Type and it was a slightly less frustrating experience.

I used the Ultra Bright Chrome for this one and it all went down fine, burnishing it into place with a combination of a blunted cocktail stick and cotton bud before trimming it back with a nice, new sharp blade. Once the BMF was all on I then went round the body picking out the panel lines



The body and all associated parts were primed with Mr Surfacer 1500 Black in preparation for the base-coat of Pontiac Autumn Bronze. The colour was from Gravity Colors in Spain and their recommendation was to put the base colour down over a dark primer. In this case I chose black



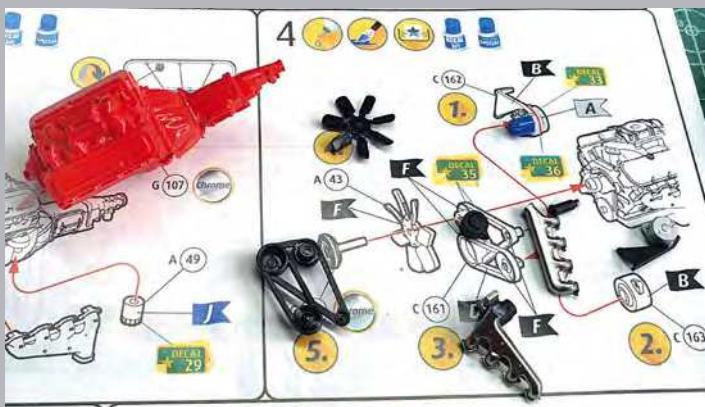
After eight coats of the Pontiac Autumn Bronze I was happy with the depth and coverage of the colour. The paint being a metallic was sprayed with a UMP Apex using the 0.2mm needle conversion. Now that the base-coat was complete the body was left for 24 hours before moving on with the decals and Bare Metal Foil on the various trim pieces



Decals were added and left for 24 hours to dry, this was then followed by adding the Bare Metal Foil to the window trims and a few trim pieces on each side of the car. I used the Ultra Bright Chrome option for this and, while not the easiest to apply it eventually stayed in place once burnished down with a blunted cocktail stick/toothpick and pointed cotton bud



With the decals all done and the Bare Metal Foil complete the panel lines received a wash with some dark grey Tamiya Panel Line Accent colour. It was then time for the clear coat to seal everything in and give the body that lovely gloss shine. I used my now go to 2k clear from Gravity Colors. This is after the third and final wet coat, where we are left with a lovely smooth glass like finish



The engine block was painted as per the instructions call out with a red/orange mix and the various ancillary pieces were picked out in various greys, blacks and silvers as required. Once the painting had been completed assembly of the block and ancillaries could start



Once the engine assembly had been completed it was test fitted onto the chassis frame to check for fit and alignment. Extra detail was added by drilling the spark plug holes on the block and adding some wire. To add a bit of colour some yellow wire was used from Scale Production. The wire was first glued to the block before being roughly measured for length to the distributor and cut, this end was then glued to the distributor



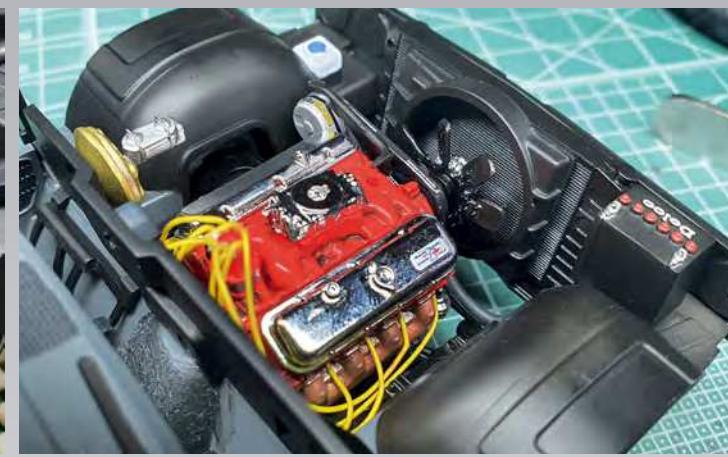
The interior was painted in Dark Sea Grey from AK Real Colors range with the front wheel arches being left in black. The floor was flocked using Scale Production anthracite flocking material, this was glued in place using some Tamiya X-22 Clear. The rear seatbelt decals were applied along with the start of the interior assembly



The chassis has been attached to the floorpan with the engine in place and the front suspension is now being added. These parts are just a drop in and are then sandwiched between the chassis and lower subframe assembly. The springs were painted in Tamiya LP-50 Bright Red and given a wash with some Tamiya Panel Line Accent colours



The rear section of the car coming together with the rear axle, suspension arms and exhausts now in place. The floor pan was painted using Zero Paints textured black, the fuel tank was painted in Matt Aluminium and the straps were picked out in Steel. The exhausts were painted in Stainless Steel, the variety of silver colours were used to create interest between the different items



The last few parts added to the engine bay to complete things prior to the body being fitted. The engine bay includes a few nice little items such as the battery, fluid bottle and a few items moulded into the firewall. The brake servo/master cylinder is added to the firewall and decals are added where noted in the instructions sheet to add a bit of extra detail to some of the engine bay components

with some Tamiya Dark Grey Panel Line Accent colour. Any excess wash was removed using Winsor & Newton 'Sans Odor' mineral spirits on a cotton bud.

The body was again put aside overnight ready for a quick check over the next day before proceeding with the 2k. I used my usual Gravity Colors Gloss 2k and

with that done the body was put in a safe place while I worked on the rest of the kit.

CHASSIS AND ENGINE

The engine parts were removed from the sprues and cleaned up so it could all be assembled and once this was done it was painted in the red/orange mix that the instructions

called for, as this seems to be a Chevy engine block colour. The various ancillary engine items such as the fan, belts and oil filter were all removed, cleaned up and painted as per the instructions. The belts in the pulley assemblies were hand-painted with some Vallejo Dark Rubber rather than leave them in black.

I really like this colour and tend to use it for all gaiters and belts that can be found dotted around a car's drivetrain.

The front springs and rear struts were painted red while the sub-frames and other parts were painted in a mix of semi-gloss black and silver as per the instructions. It was nice



FULL-BUILD: CLASSIC AMERICAN MUSCLE CAR

REVELL 1:25 '68 CHEVY CHEVELLE SS 396 ● KIT NO.07662



Body on and wheels fitted. The body and chassis fit on this model is tight, very tight. It does take some persuasion (and a strong will to flex the body far enough to let it slide over the interior) but once in place it sits nicely and there are no interference issues

to see that this kit has the chassis frame as a separate piece to the body underside. This makes painting quite easy as there is no call for tricky masking, the only area needing to be masked was the fuel tank at the rear of the floorpan. The ladder chassis was painted with Tamiya LP-1 Black (gloss), and the floor pan was painted with Zero Paints Textured Black to simulate an underseal style finish.

The floorpan was masked off and the tank painted with LP-38 Flat Aluminium, the tank then masked up so the securing straps could be painted in AK Extreme Metal Steel. I painted the exhaust manifolds in AK Extreme Steel too and the exhaust was finished in AK Extreme Stainless Steel, mainly to differentiate the parts but also my model was having a custom stainless exhaust...

I also decided that I'd try adding the plug lead wiring (firing-order as per my whim at the time) to add some extra visual interest to the engine, I'll not lie it was quite a frustrating experience and one I was glad to finish although several of the wires would require re-glueing over the remainder of the build. With

the individual component painting all done I then added all the decals that were needed on the engine components. I also applied a bit of a rust colour-wash to the exhaust manifolds and generally made the engine look a little used with a grime wash. With that done the engine was installed on the chassis. The rest of the drivetrain/running gear would have to wait until I had worked through the interior as those parts require the chassis and floorpan to be attached to each other.

INTO THE INTERIOR

After having a think about interior colours that would look good alongside the bronze body colour, I opted to use AK Real Colors RAF Dark Sea Grey. This meant the upper side of the floorpan was masked around the front wheel arches so that it could be painted the interior colour. I also decided to use some flocking for the carpet and rear parcel shelf and for this I used some Scale Production Anthracite flocking. I used some Revell enamel paint as my 'glue' for the flocking. The seats and door cards were painted in the same DSG with the door cards receiving some further

detail painting with some semi-gloss black and silver.

The dash was painted in the same colours with the area around the instruments painted in semi-gloss black and the trim picked out in silver. Once painting was complete the dash decals were added along with a few others dotted around the interior. I chose to use the kit decals for the seat belts but in hindsight wish I had made some up with

ribbon. The decals are fine in themselves but as they have followed the contours of the seats, they don't look that great as the belts would obviously sit on top of the seat cushion.

The interior was then assembled and the firewall fitted in front of the dash, along with a few engine bay components. It was now time to attach the floorpan to the chassis and proceed with assembling the rest of the



The front slam panel is now fitted and this is the single part in the whole kit that causes issues with letting the bonnet (or hood) sit flush with the wings at the front. The added detail to the engine with the wiring looks good and adds a certain busyness to the engine bay, further detail could be added if so desired



running gear. This was all pretty much straightforward (except where I forgot to add the prop shaft!) and once complete I could add the last few items to the engine bay along with the wheels. The wheels were previously painted by hand with some Vallejo Model Color black in between the main spokes. The nice thing with using Vallejo for this is that the paint can be applied without

too much care as the excess is easily removed from the chrome once it has dried using either a cocktail stick or pointed cotton bud leaving a nice demarcation. The chassis was then set on its wheels so I could add the front bulkhead along with the fan housing and radiator.

FINISHING UP

With the chassis and interior all sorted I could turn my

attention back to dealing with flattening and polishing the body work. I had a few bits of dust in the roof and on the boot area to deal with but the majority of these came out with the flattening back and subsequent polish. I tend not to be too aggressive at this stage, preferring to live with a few imperfections and blemishes in the clear coat than find I've burned places back to paint or worse, bare

plastic. The body was flattened back using the MicroMesh set of 6,000, 8,000 and 12,000 grits, working through each grade until I was happy and then moving on to the UMP Polishing System which comprises compound, polish and wax with the addition of a detail enhancing spray if required. At this point I'll finish up with the polish and move on to final assembly with a coat of wax being the



After fitting the body the grilles and bumpers were fitted with the light lenses, Revell include rear light lenses that are moulded in clear red plastic saving the requirement to paint them. The clear parts were held in place using some Alclad Aqua Gloss as a glue, this works well as it wicks easily around the perimeter with capillary action to create a nice bond that requires no clean-up of adhesive beyond a quick wipe with a moist cotton bud



The rear of the car fully assembled. The rear bumper is in place along with the tail pipes, licence plate and the last few decals. The rear chrome bumper is a nice interference fit and holds happily in place without any glue. A little Vallejo Model Color black was used on the insides of the tail pipes to create a sense of depth to the pipe

FULL-BUILD: CLASSIC AMERICAN MUSCLE CAR

REVELL 1:25 '68 CHEVY CHEVELLE SS 396 • KIT NO.07662

last thing I do to complete the model.

Once happy with the paint finish it was then time put the body and chassis together. To say it's a tight fit is a bit of an understatement! A couple of attempts later (and having to re-glue a few bits) it was on. It takes a bit of wiggling to line things up and even then, it's not a great fit at the front as the body sits a touch high - a bit of strategically placed CA glue and it holds fine though.

BRIGHTWORK

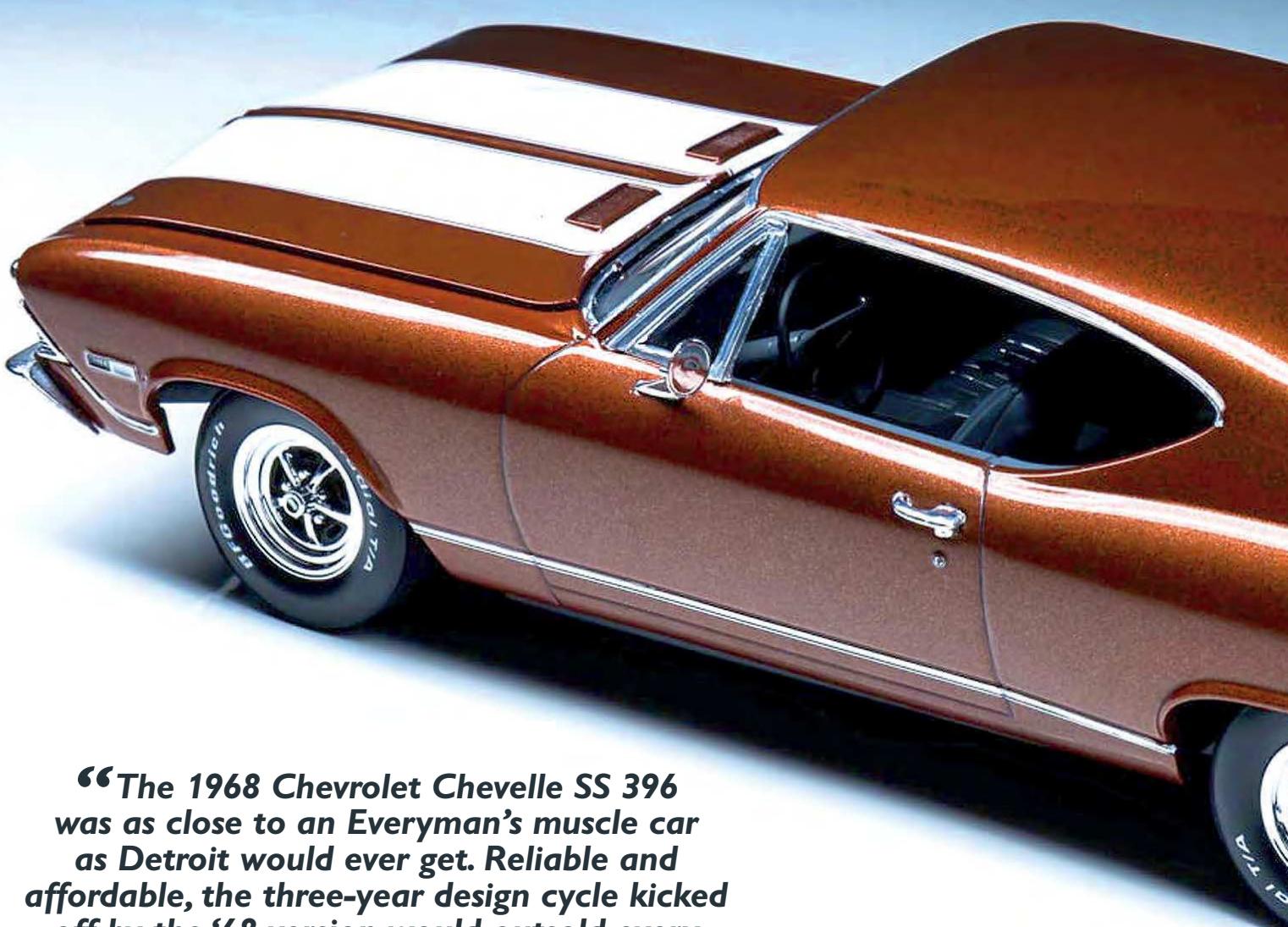
Next was the fitting of the chrome parts - front lights/grille, rear bumper assembly and the front bumper. I had opted to stick with the kit chrome rather than strip them and re-paint. The sprue attachment points allowed this as they would be mainly hidden from view, but they were touched up with a Molotow Chrome pen to blend in with the rest. The rear parts were a push fit and held nicely with no glue which was nice to see.

The front upper section needed a bit of CA to hold it in place and it had the small body colour trim piece attached to aid with location, however the lower front bumper seemed to require a bit of guess work as to how it fitted as there were no obvious attachment points.

With all that done I could add the chrome tail pipes, the air filter and last hose under the bonnet. I then fitted the door handles and wing mirrors using a bit of Deluxe Materials Glue n

Glaze rather than CA since they were attaching directly to the 2k. This required a bit of patience to let the glue thicken up enough to be able to hold the parts in place, particularly the wing mirrors as they only had an indentation on the doors to help locate them.

Once those last items were in place, I could then add the final few decals depicting the cars badges, the last of the stencils for the engine bay and the license plate and I could call it finished.



“The 1968 Chevrolet Chevelle SS 396 was as close to an Everyman’s muscle car as Detroit would ever get. Reliable and affordable, the three-year design cycle kicked off by the ‘68 version would outsold every other true high-performance machine of the day, and beat its share, to boot...”

(www.musclecars.howstuffworks.com)

CONCLUSIONS

I thoroughly enjoyed this build as it was nice and straightforward and it let me have another go at a few different techniques, namely the Bare Metal Foil and flocking the interior carpet and rear shelf. I had no real issues with this one but for some reason the bonnet (hood) won't sit flush as the slam panel seems to be stopping it from dropping fully down into place. I've tried tweaking things but nothing I've done seems to have helped so it'll be left as is and it's hardly a big issue, I could just prop it open after all! ●



TECH SPEC...

REVELL 1:25 '68 CHEVY CHEVELLE SS 396 • KIT NO.07662

Materials:

Injection-moulded polystyrene, synthetic rubber tyres, waterslide decals

Paints and materials used:

- AK Interactive: Extreme Metal Steel, Extreme Stainless Steel, Real Colors RAF Dark Sea Grey (www.ak-interactive.com)
- Bare Metal Foil: Ultra Bright Chrome (www.hobbyuk.com)
- Deluxe Materials: Glu 'n Glaze (www.deluxematerials.co.uk)
- Gravity Colors: Pontiac Autumn Bronze, Gloss 2k (www.gravity-colors.com)
- Mr Surfacer: 1500 Black (www.hiroboy.com)
- Scale Production: Anthracite Flocking (www.scaleproduction.de)
- Tamiya Lacquer Paints: LP-1 Black (gloss), LP-38 Flat Aluminium, LP-50 Bright Red (www.hobbyco.net)
- Tamiya: Dark Grey Panel Line Accent Color (www.hobbyco.net)
- UMP: Polishing System (www.umpretail.com)
- Vallejo Acrylics: Dark Rubber (www.creativemodels.co.uk)
- Zero Paints: Textured Black (www.hiroboy.com)

Kit availability:

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



Build Your Dream!



03820 Eurofighter Typhoon "Black Jack", 1:48



NEW PARTS

03829 Messerschmitt Bf109 G2/4, 1:32



05218 German Research Vessel Meteor, 1:300

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Full range of Revell paints and selected accessories available at Hobbycraft and all good stockists



Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell

MODELLING REFERENCES: WORLD WAR TWO AXIS AVIATION

MESSERSCHMITT ME163B KOMET

JAMES S. McDONNELL SPACE HAN



Please note, the swastika emblem on the tail has been removed from this photograph to comply with laws in countries where Tamiya Model Magazine is sold

KOMET AT THE NASM





This beautifully preserved Me163B Komet is on display at the **National Air and Space Museum, Washington DC, USA**

Photographs:
Smithsonian National Air and
Space Museum, public domain
www.airandspace.si.edu



KOMET TALES

Jason Brewer builds the GasPatch Models 1:48 Messerschmitt Me163B Komet and finds it more complex than it appears

I have always thought the Komet was a quirky and interesting contraption but never felt compelled to build one myself, until the GasPatch kit was released. I was quite impressed with the engineering and it was enough to make me dive into research of the plane itself. The GasPatch kit is deceptively complex for such a small subject. The kit is comprised of over 140 parts in plastic, resin, and photo-etch with over forty of those parts being in the tiny little cockpit. For comparison, that's more cockpit parts than an Eduard Spitfire! The little Komet office is packed full of details with PE seat supports and belts, and instruments are provided as individual decals. I kept mine pretty tidy, considering it likely didn't see much use. The main parts were painted with Tamiya XF-24 for RLM 66, drybrushed with Vallejo Neutral Grey, details picked out with Vallejo acrylics, and everything sealed with a Future wash (50/50 mix of water and Future with a drop of Tamiya Flat Black a la Roy Sutherland's advice). ▶



The cockpit comprises over forty parts; a mix of clear plastic, grey plastic, and PE brass



Tamiya XF-24 was used as a base for RLM66



The office looks the part and is quite detailed straight from the box

FULL-BUILD: WORLD WAR TWO AXIS AVIATION

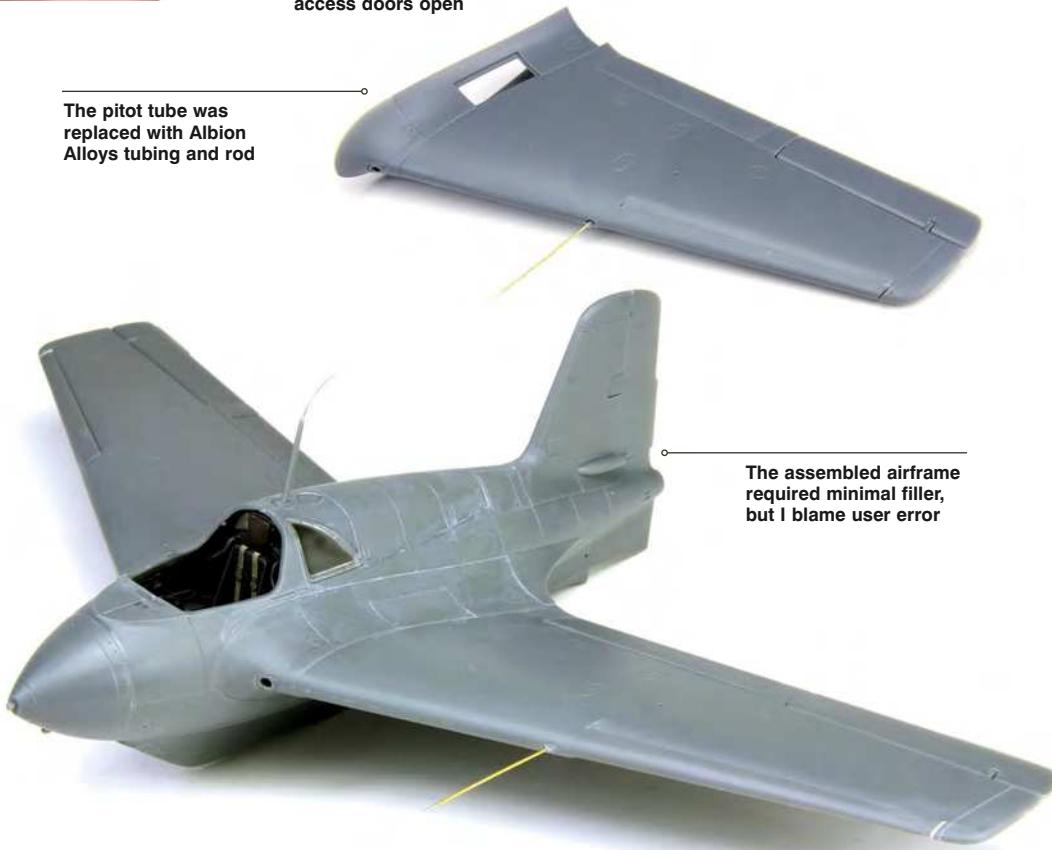
GASPATCH MODELS 1:48 ME163B KOMET • KIT NO.48236



Fit of everything is quite good and the fuselage was closed up. Parts are provided for complete machine guns on both sides of the aircraft if you choose to display them, but I was planning to close the gun-bay doors so I left all of these parts unpainted. I wasn't sure what was structural and what wasn't, so I still completed all of the assemblies. One issue I did encounter involved the front-most part of the gun assemblies which also acts as an alignment piece for the wings. Placement is not 100% positive on these little triangular bits. If I had it to do over again, I would assemble the wings first and use them to get these parts in the exact right spot.

The wings themselves went together with no fuss. The pitot tube is installed between the port wing halves, which I did, but knowing I would undoubtedly break it off along the way I snipped it off, drilled a hole, and prepped a replacement from Albion Alloys tubing and rod. The wings attached easily to the fuselage, however some filler was required because of the alignment parts mentioned before.

The pitot tube was replaced with Albion Alloys tubing and rod



Mini Review...

ROYAL MODEL COUGAR 4X4 SAGGED WHEELS (772)
www.royalmodel.com

Designed for Panda Hobby's 1:35 kit of the US Cougar MRAP, this set of six wheels/tyres (four full wheels with X2 spares) is cast in resin with great detail incorporated in the treads, sidewalls and hubs. The kit can be found online.





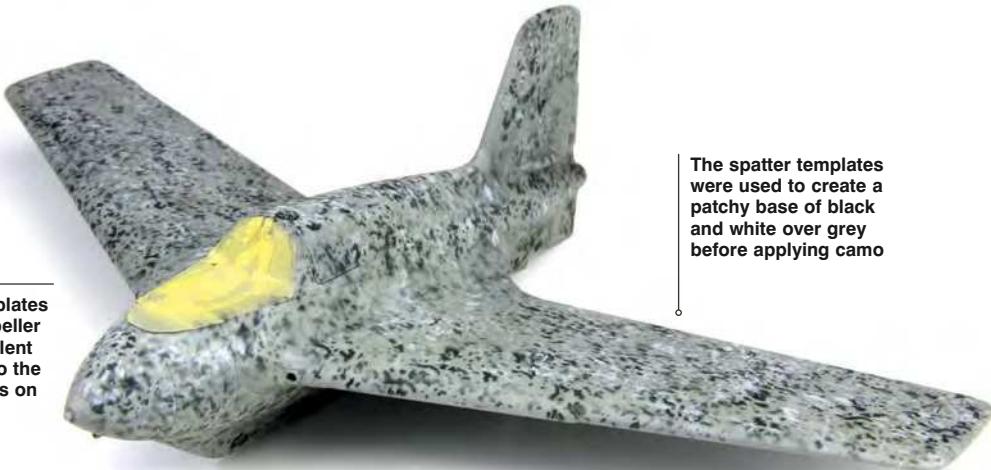
Spatter templates from 77Propeller are an excellent alternative to the PE templates on the market

LUFTWAFFE DECALS

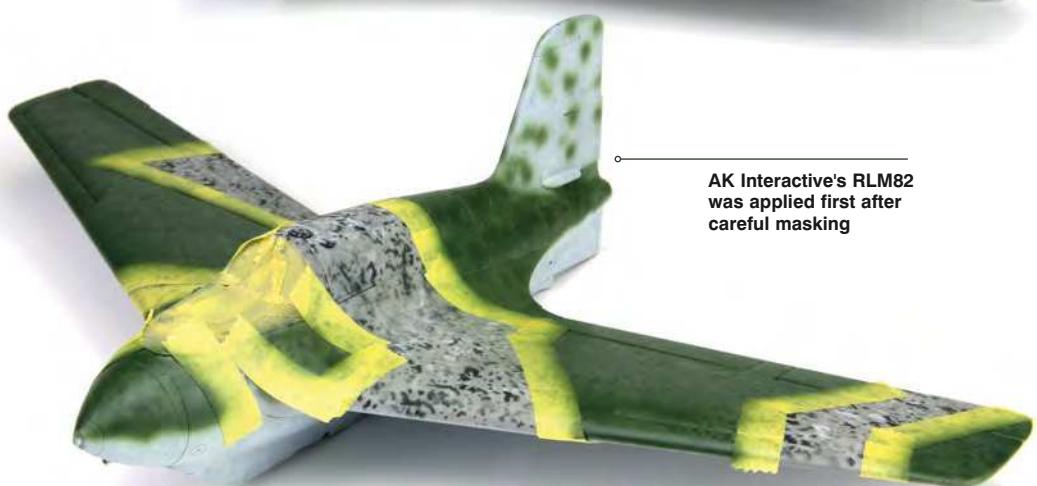
For the markings I chose to go with something speculative based on period photos. I couldn't find the decals to do the exact plane I wanted, but I found a photo of a Komet with RLM 76 framing and overspray around the canopy, rear windows, antenna, as well as 76 overspray over the mottling on the tail. Before spraying the camo, I tried out some new spatter templates from 77Propeller to add some tonal variation to the paint without having to kill my hands marbling myself with the airbrush. Unlike the PE templates I've used in the past, these are made of a flexible thin plastic that I found much easier to use and didn't fear scratching the surface of the model with the template.

Camo was sprayed in a standard scheme of RLM81/82 over RLM76 using AK Real Colors paints. I kept the paint thin to make sure the spatter underneath showed through, but not too starkly. The top side camo was hard-edge and was masked with Tamiya tape. Overall I'm pleased with the effect and will be using these templates more in the future. Nice and subtle. Cartograf decals from the kit were used, mixed and matched to make an "unknown" bird.

Weathering was kept to a minimum with just some minor chipping, and subtle washes and filters with AK's Paneliners. The final finish is AK's Matte Varnish. The kit 'weighted' wheels were used and were weathered with light washes of Vallejo acrylics and sealed with AK's Ultra Matte Varnish. The rest of the fiddly bits were installed, including replacing the dorsal antenna with Albion wire. ◇



The spatter templates were used to create a patchy base of black and white over grey before applying camouflage



AK Interactive's RLM82 was applied first after careful masking



The masking was reversed and AK's RLM 81 Brown was applied



Glossed in preparation for decals and washes

FULL-BUILD: WORLD WAR TWO AXIS AVIATION

GASPATCH MODELS 1:48 ME163B KOMET • KIT NO.48236

• This Komet was a pleasure to build and a great inspiration to learn more about an interesting subject. I hope to see more kits from GasPatch with their combination of thorough research, excellent engineering, fit, and detail. It's rare for me to build something completely OOB and I thoroughly enjoyed it. •

TECH SPECS...

GasPatch Models 1:48 ME163B KOMET

KIT NO.48236

Materials:

Injection-moulded polystyrene, photo-etched brass, resin, 3D-print gun jigs, canopy masks, waterslide decals

Paints used:

- AK Interactive: Real Colors RLM81, RLM82, RLM76, Paneliners, Ultra Matte Varnish,
- Vallejo Model Color: various
- Tamiya Acrylics: various

Additional materials and tools used:

- Albion Alloys: metal tubing and rod
- Tamiya: Extra Thin Cement, Masking Tape, Sprue Cutters
- AMMO: Ultra Glue
- AK Interactive: Modelling Grey Putty
- Future floor polish, tweezers, cyanoacrylate glue

Airbrush used:

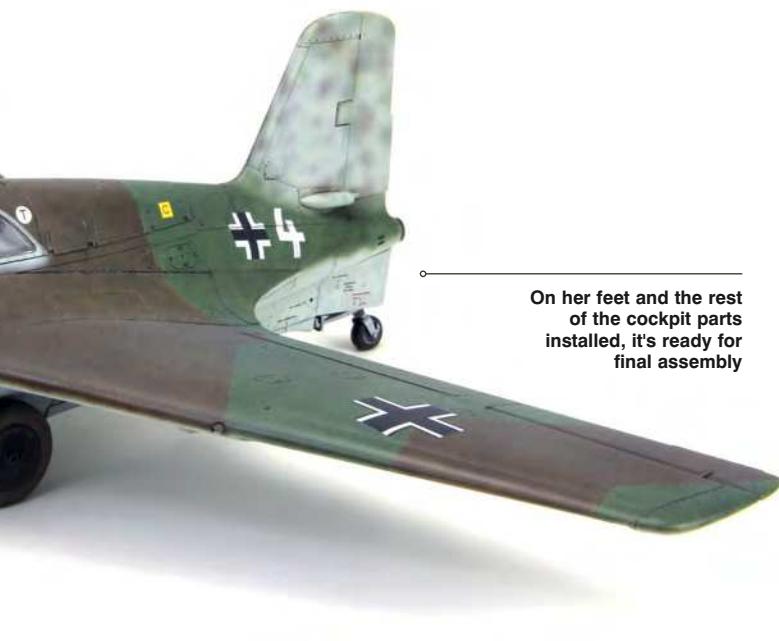
- Iwata HP-B Plus

Availability:

- GasPatch Models: www.gaspatchmodels.com
- AK Interactive: www.ak-interactive.com
- Albion Alloys: www.albionalloys.com
- Iwata: www.airbrushes.com

Please note, the swastika emblems on the tail have been removed from these photographs to comply with laws in countries where Tamiya Model Magazine is sold

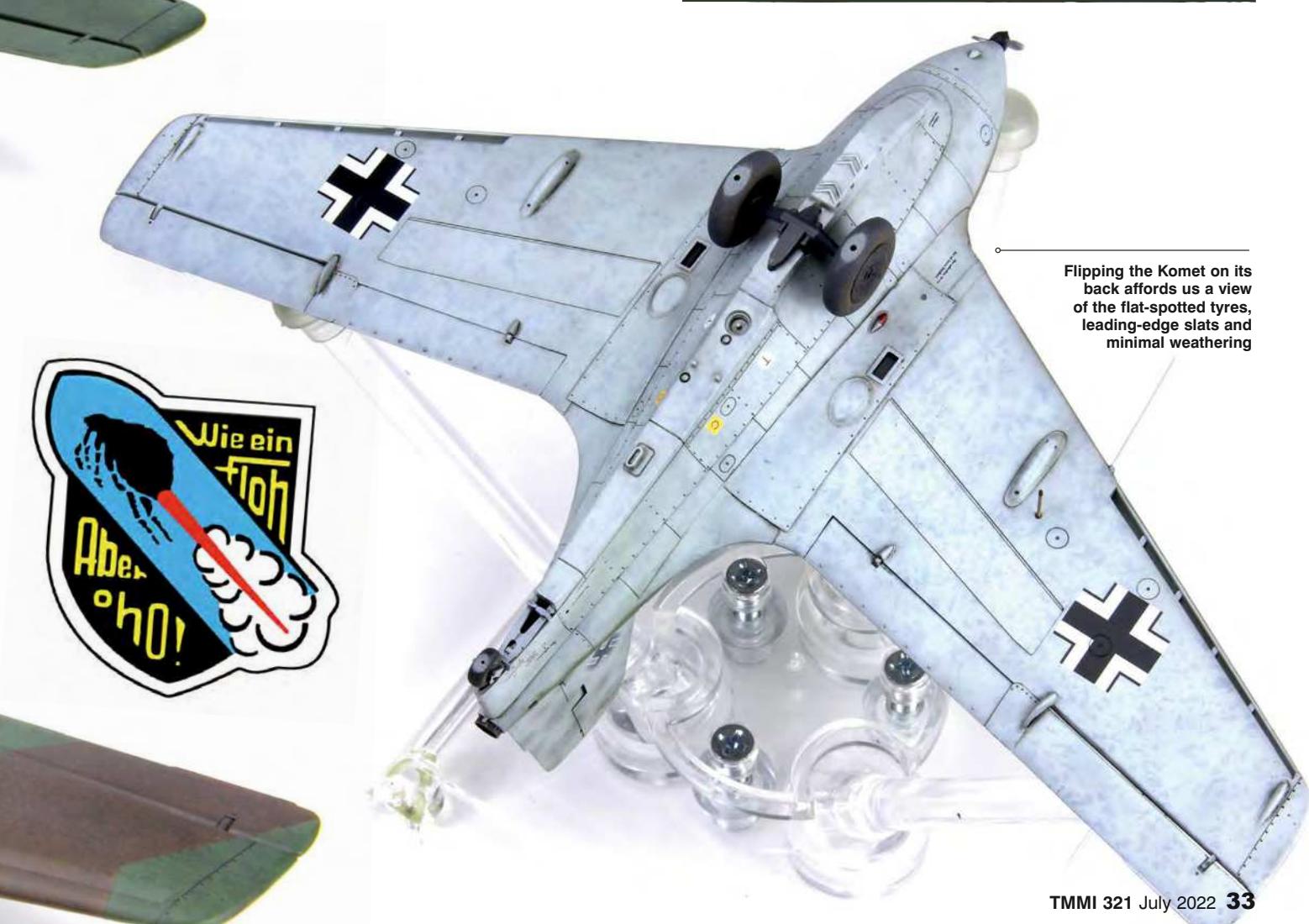




On her feet and the rest of the cockpit parts installed, it's ready for final assembly



“I hope to see more kits from GasPatch with their combination of thorough research, excellent engineering, fit, and detail...”



Flipping the Komet on its back affords us a view of the flat-spotted tyres, leading-edge slats and minimal weathering



WEAVE GOT

Using Scale Motorsport's amazing carbon-fibre decals, **Asi Erev** gives Tamiya's sublime 1:24 McLaren Senna the 'red carpet treatment', with a strong supporting role by Zero Paints for the engine, chassis and cabin!

When Tamiya came out with the McLaren Senna in 1:24, I was very excited and right away I thought it would be a great idea to give it the full carbon-fibre treatment. Since I had designed the carbon-fibre template set for other Tamiya kits for Scale Motorsport, they

reached out to me and asked me to create the template set for this kit as well. Scale Motorsport supplied me with the kit and the carbon-fibre decal sheets as well.

I was very impressed – but not surprised – how clean the parts were, as Tamiya for me is one of the best out

there. I started by cutting the body parts from the sprues. Then I cleaned each part and washed them with dish-soap. After that I used Tamiya 40mm masking tape to create the carbon-fibre templates followed by I priming each part with Tamiya Grey Surface Primer. The results were great,



IT COVERED

so there was no need to sand it down.

I moved on to painting the parts with Tamiya TS-29 Semi-Gloss Black, which I highly recommend when applying carbon-fibre decals. I used Scale Motorsport Carbon-Fibre Decal Twill Weave (1020). Since this is a 'book match' (longitudinally symmetrical) full carbon jacket, in my opinion it's easier to start with the bonnet and the rear body panel. That's how I get it straight: from the centre-line of the car which is 90 degrees to the other side, keeping the pattern aligned. I then moved on

to the fenders, doors and rear quarter panels. I kept the pattern straight on the carbon-fibre using the bottom lines on those parts and the results looked amazing.

I then moved on to the more complicated areas; the upper part of the radiator duct, rear wing, rear bumper, front bumper, boot lid, T-bar, mirrors and headlights. I employed the same process on these parts by cleaning, washing, priming, painting and then applying the carbon-fibre decal. My next move was the

underbody panels which consist of front and rear splitter/diffuser and engine guard. Again, the same process as before; clean, wash, prime, paint and then carbon-fibre decal.

On the real car, pictures of which were provided to me by Scale Motorsport, the underbody panels show that they used a larger size carbon-fibre, except on the diffuser, which is very similar to Scale Motorsport decal (1012), so that's what I used on those areas. ▶

FULL BUILD: MODERN SUPERCAR

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



Getting the body parts ready for primer and paint



After cleaning the under-panels the author used Tamiya Grey Primer as an undercoat

● CARBON IN THE CABIN

I then masked up the tub and painted the chassis moulding with Zero Paints Titanium Silver (ZP-M1010) using my Grex spraygun. I painted the floor mats using Zero Paints Grey Texture-Paint Paint (ZP1390). I finished by applying carbon-fibre decal to the floor of the tub and sides, using Scale Motorsport Hi-Definition Composite (1524).

After this, I prepared the remaining interior parts by priming and painting them in Semi Gloss Black. The dash-panel is separated into five parts to which I applied carbon-fibre decal (the two lower elements) then painting the upper pad of the panel with Zero Paints black texture-paint (ZP-1388). I used Tamiya White Primer on the airbag panel and lower part of the dash panel, after which I sprayed Zero Paints Red Texture-Paint Paint (ZP-1577).

The door liners were next up, covering them with carbon-fibre decal and painting the pads in red texture-paint. After that I worked on the seats which were my favourite part of this build. I was happy that the pads are moulded separately from their shells! The results looked very crisp. I finished the seats with a detail-up set from Hobby Design for the seat belt details, substituting 2mm red ribbon for the webbing.

The engine parts were primed with Tamiya Grey Primer and then painted with Tamiya TS-29. After it was dry, I airbrushed the engine/gearbox with Zero Paints Aluminium (ZP-M1009), the exhaust manifolds in Alclad 2 Hot Metal Sepia (ALC416) and the exhaust box in Zero Paints Pale Burnt Metal (ZP-M1008). ▶



Here we see the templates created for the multi-part bonnet



Applying carbon-fibre to the body parts using 1:20 decal by Scale Motorsport



1:20 carbon-fibre was applied to the diffuser, after templates were made for it. The red line was applied to the bonnet, rear spoiler, engine cover and the diffuser. Lines were also applied to the fins, as well as rear bumper

“I had designed the carbon-fibre template set for other Tamiya kits for Scale Motorsport. They asked me to create the set for this kit as well,”



Applying 1:12 scale carbon-fibre decals to the front splitter except the lip, where 1:20 was used



Here we can see the rear wing and its mounts being templated up, before 2k clear coat (above) and after (right)

FULL BUILD: MODERN SUPERCAR

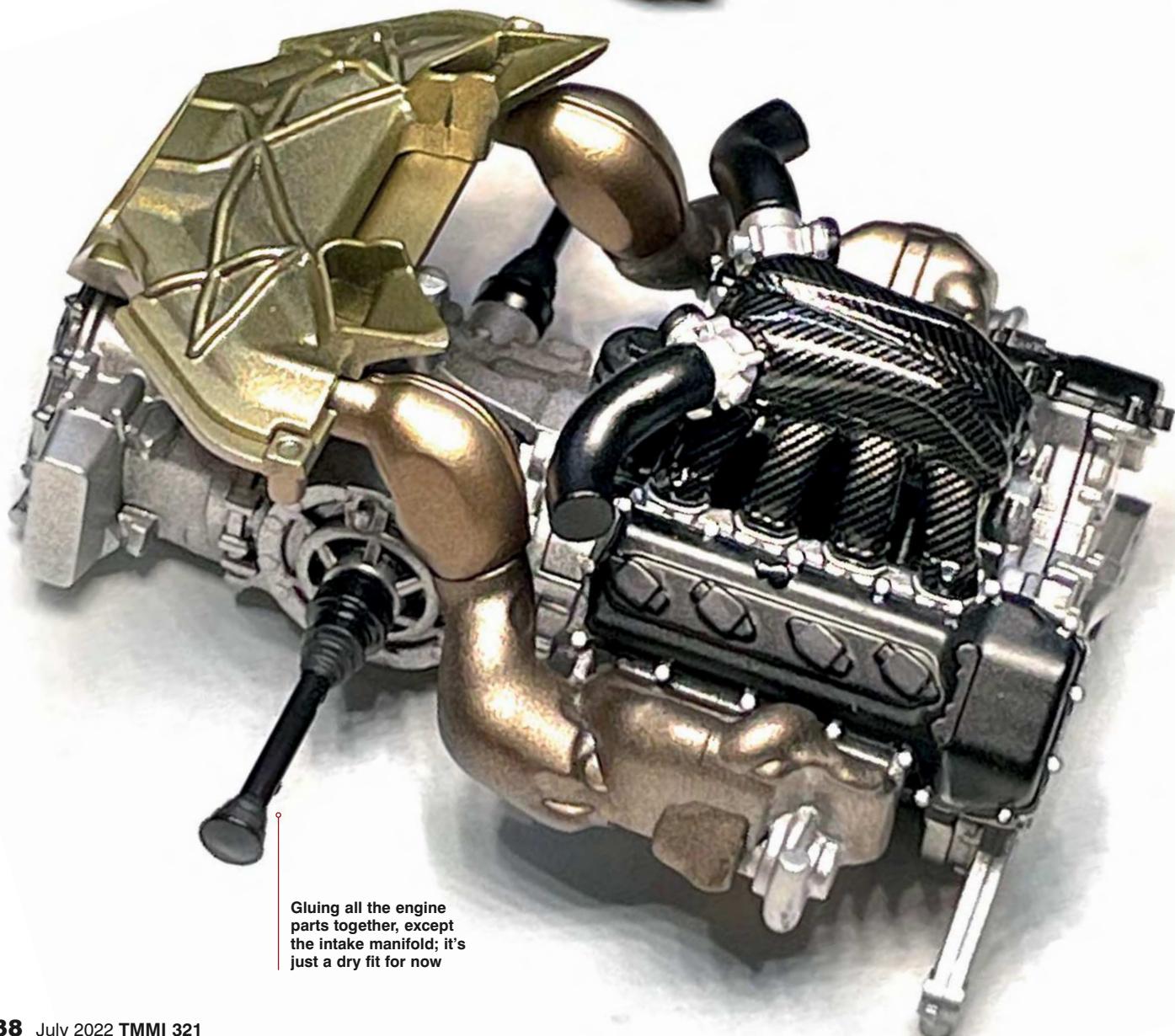
TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



Applying carbon-fibre decals to the intake manifold; 1:20 scale decal was deployed here



All the engine parts are painted here, getting ready to be brought together



Gluing all the engine parts together, except the intake manifold; it's just a dry fit for now



The tub was considered done after applying carbon-fibre decals and painting the carpets with grey texture-paint



After applying carbon-fibre decals to the seat shells, the pads were finished in red texture-paint

After using automotive 2k clear coat on the seat shells, the pads were then glued to the seats. The pads being separate made things much easier



The dashboard parts were brought together, after a covering of carbon-fibre decal, painting the top pad with black texture-paint and the rest of the pads in red texture-paint



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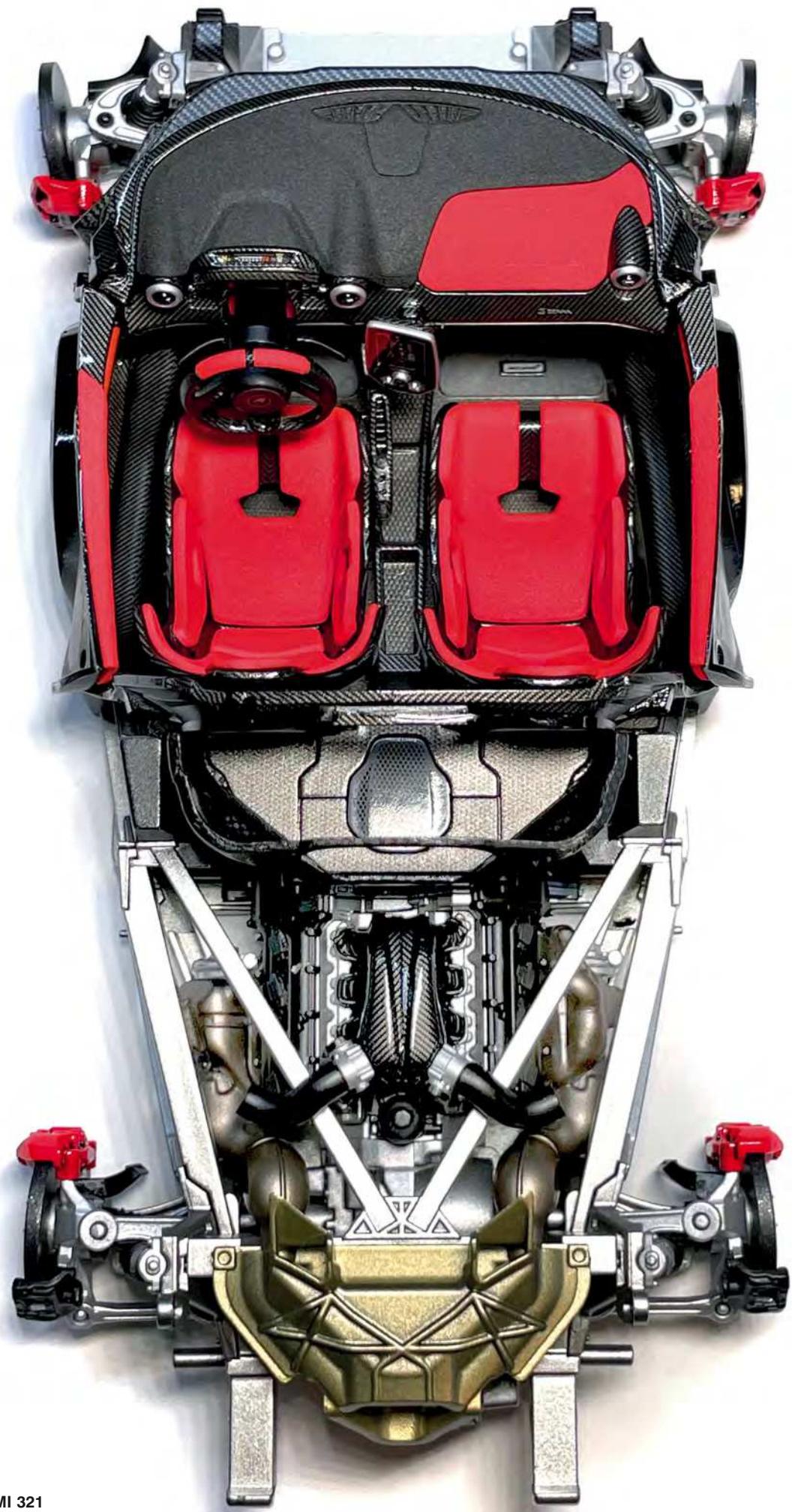
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FULL BUILD: MODERN SUPERCAR

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



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FULL BUILD: MODERN SUPERCAR

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



Applying carbon-fibre decal to the door panel was very complicated. It had to be cut with a knife where the central aperture is, but the results looked amazing



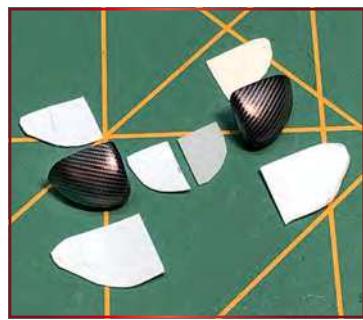
The speaker decals were applied to their locations on the door panels and the pistons were painted red, black and silver to make them more eye-catching. The pads were fitted which also received red texture-paint



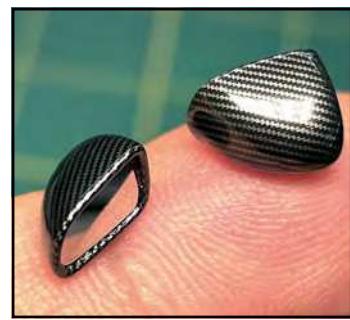
All body parts and under panels are covered with carbon-fibre decal; here we see the right side door



The headlights are complex shapes and care was needed when decalling them. After a clear coat and with lenses fitted, the effort was worth it though



The mirrors are seen here, covered with carbon-fibre after having been templated. A 2k clear coat followed, creating a deep gloss





● BRAKES AND SUSPENSION

I painted the brake callipers with Zero Paints Bright Red (ZP-1003) and added some Tamiya Panel Line Accent Color (Black) to enhance the detail a little. The brake rotors were sprayed with Zero Paints Carbon Ceramic Grey (ZP1319) and for the rest of the suspension parts I used Zero Paints Aluminium (ZP-M1009).

For the wheels I used Tamiya grey primer, followed by Tamiya TS-38 Gun Metal, applying SMS 1020 carbon-fibre decal to the lip of the rims and centre caps. I applied a thin red line decal by Interdecal along the centre of the body parts and the diffuser. ◇



FULL BUILD: MODERN SUPERCAR

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355

● FINAL THOUGHTS

I really enjoyed building this kit and I would highly recommend it; definitely a fun car to cover with carbon-fibre-effect decalling.

Thanks to Scale Motorsport for the amazing carbon-fibre decals, their products work great. And thanks to Tamiya for the magnificent model, it sure has a lot of detail! ●

TECH SPECS...

TAMIYA 1:24 MCLAREN SENNA KIT NO.24355

Materials:

- Scale Motorsport: waterslide carbon-fibre decal 1020, 1012, 1524 (*Scale Motorsport: Full Carbon Jacket Senna McLaren coming soon*)
- Interdecal: waterslide decals red
- Hobby Design: McLaren Senna detail-up set (PE, resin, metal logo, tyres) (HD02-0412)

Paints used:

- Tamiya Spray: Grey Primer, White Primer, Semi Gloss Black TS-29, Gun Metal TS-38, Panel Line Accent Color Black 87131
- Alclad 2: Lacquer Hot Metal Sepia ALC416
- Zero Paints: Carbon Ceramic ZP-1319, Bright Red ZP-1003, Grey Texture-Paint ZP-1390, Black Texture-Paint ZP-1388, Red Texture-Paint ZP-1577, Pale Old ZP-M1007, Pale Burnt Metal ZP-M1008, Titanium Silver ZP-M1010, Aluminium ZP-M1009

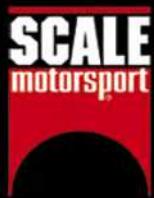
Other materials used:

Tamiya masking tape (various), Super Gold + Gap Filling CA glue, Tamiya Panel Line Accent Color (black), Tamiya sanding and polishing sticks (various), Scale Motorsport Decal Magic solution, Micro Sol, 2mm red ribbon

Availability:

- Tamiya models, paints and accessories are widely available from good model shops and online,
- Hobby Design: detail-up set is available from www.alphamodelkit.com
- Scale Motorsport: Carbon-fibre decals available at www.scalesmotorsport.com,
- Zero Paints: available at www.hiroboy.com,
- Interdecal: red decal strip available at www.spotmodel.com





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EDUARD, CZECH REPUBLIC

www.eduard.com www.creativemodels.co.uk
Tamiya's 1:48 F-14A 'late' (the one that comes with a deck-crew figure and carrier deck sheet) is in the lucky recipient of a full cockpit this month, in the form of Brassin box that is packed with stunning resin castings and photo-etched detail parts. The standard kit cockpit is good, but this set will take it to whole new level.

Revell's impressive, new-tool SR-71A Blackbird gets more up-grades too, in the form of photo-etched sheets for the undercarriage and bays, engines cones and the grilles that feature across its airframe. Add Eduard's resin seats and the cockpit will look a whole lot better.

1:48 BRASSIN RESIN

- F-14A Late cockpit (648739) for Tamiya
- SR-71A wheels (648740) for Revell

1:48 PHOTO-ETCHED BRASS SETS

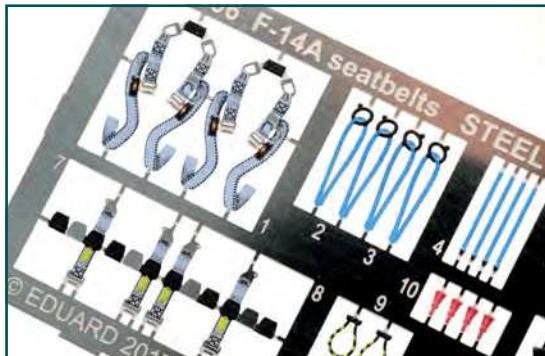
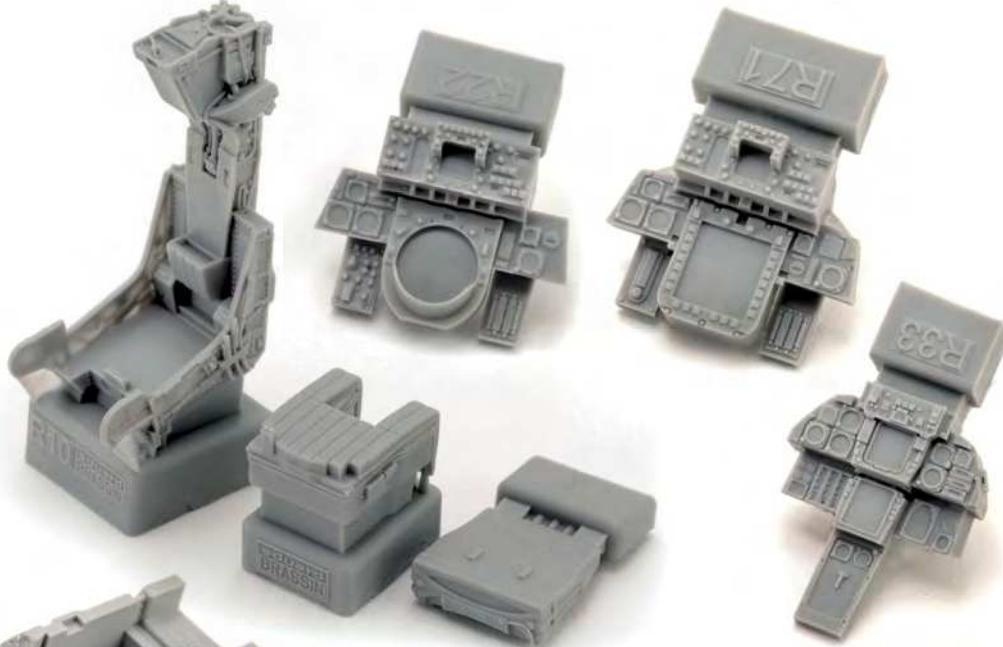
- SR-71A undercarriage (481081) for Revell
- SR-71A engines (481082) for Revell
- SR-71A grilles (481083) for Revell

1:48 LÖÖK

- SR-71A (644154) for Revell



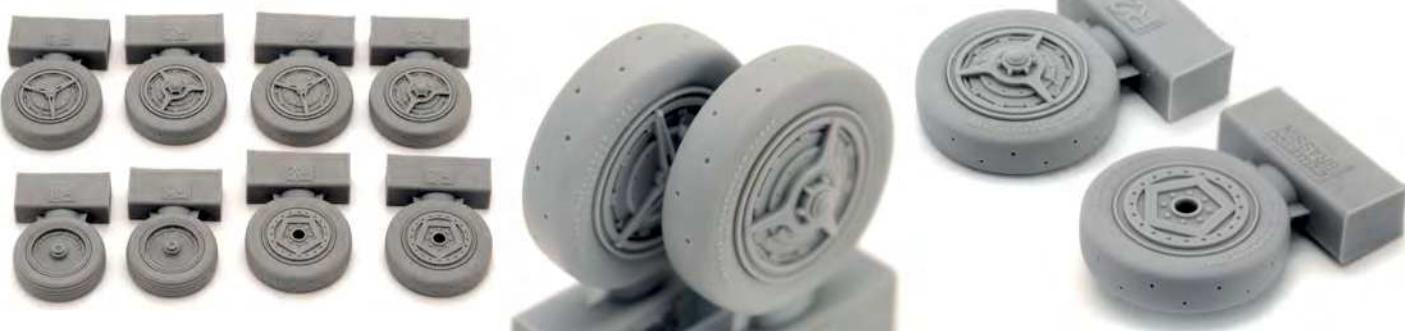
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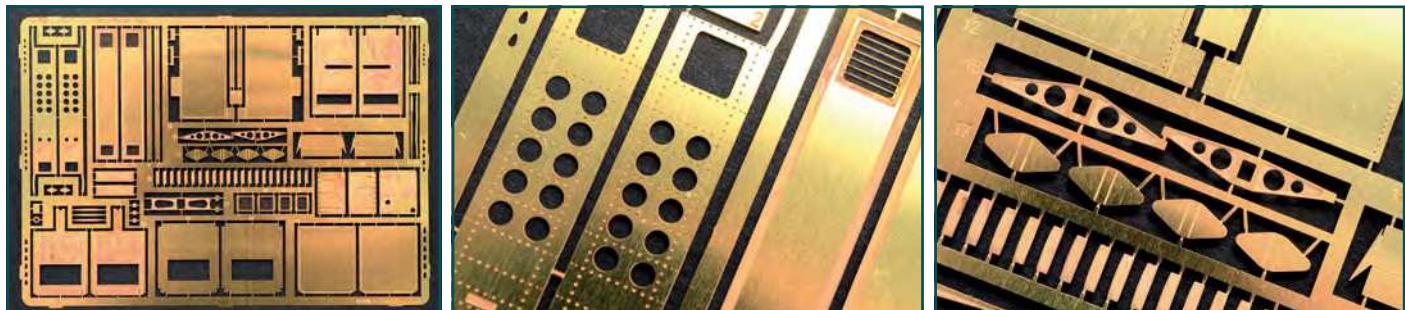
Accessories

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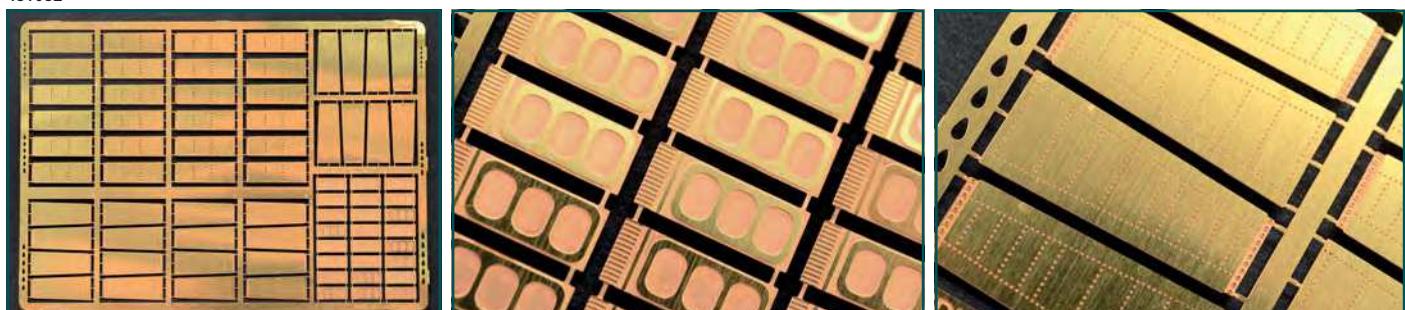
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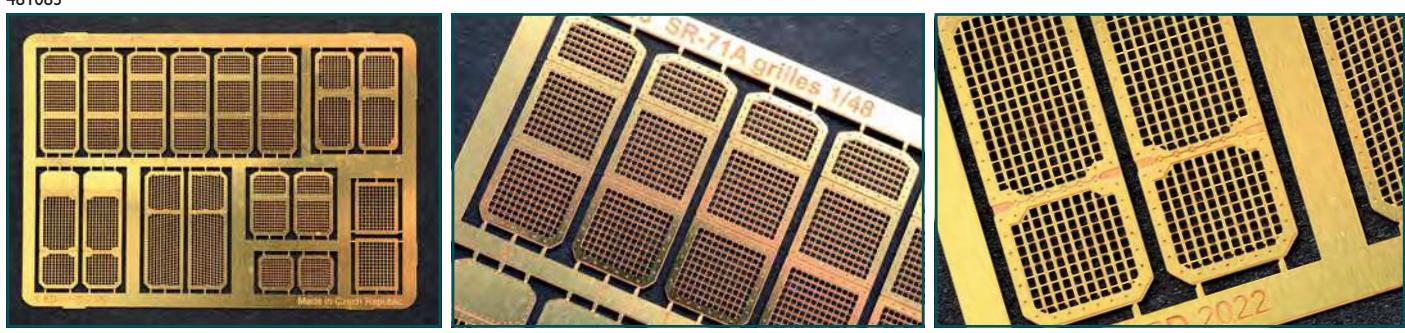
481081



481082



481083



644154



New Releases

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

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TAMIYA, JAPAN

www.tamiya.com www.hobbyco.net

Tamiya offer a vast range of high quality modelling tools and brushes. The latest to arrive include three sizes of flat brush (complete with very sensible tabs on their handles to stop them rolling off the work surface) and a cone-shape file for working on awkwardly-shaped holes/

TAMIYA MODELING BRUSH HGII

- Flat Brush Medium (87215)
- Flat Brush Small (87214)
- Flat Brush Extra Small (87213)

TAMIYA CRAFT TOOLS

- Conical File (74164)



LIFECOLOR, ITALY

www.airbrushes.com

Two new acrylic paint sets are on release from Lifecolor, both for aviation subjects. The French Armée de L'air used a range of relatively colourful shades on their fighters and bombers and this is reflected in the six-colour set, although the bright yellow and red on the tail of the box-art model are not provided!

The German WW1 'Luftstreitkräfte' is the subject of the second set here, providing greens, grey and that marvellous purple used on certain aircraft of the era. Excellent quality paints, ideally applied by airbrush, but can be hand-painted.

ACRYLIC PAINT SETS

- Armée de L'air WWII French Aircraft Colors (CS56)
- Die Luftstreitkräfte, Imperial German Army WWI Colors Set 1 (CS57)





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New Releases

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

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ZEBRANO, RUSSIA

SOVIET 45-MM ANTI-TANK GUN M.1941

www.zebrano-model.com

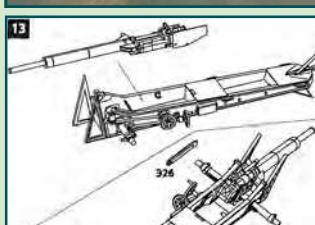
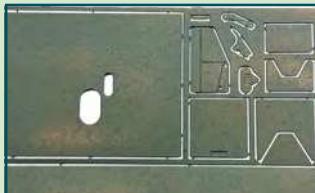
SCALE: 1:35 • MATERIALS: IM, R, PE • ITEM NO: 35001

After the onslaught of the German invasion of the Soviet Union in mid-1941, the Russian army lost a vast quantity of material, including many of their anti-tank guns. The M1937 45mm gun offered very effective penetration against the majority of Axis armoured vehicles at the time, and in the desperate situation in encircled Leningrad it was decided to mount spare tank guns onto simplified trails, to produce the crude but effective Model 1941 anti-tank gun. The resulting gun had a simple flat square shield, and absolutely no refinements! Being originally designed to go into a tank, the gun itself had a tubular shape, quite unique in appearance. Given the difficult siege conditions, it is amazing that 651 of these guns were produced, and they were immediately rushed into service to defend the city of Leningrad. A number were later captured and used by Finland. The model is the first venture into 1:35 by Zebrano, and the plastic parts have a slight sense of simplicity, with a few minor sink marks in the moulding. However, the etched brass parts are excellent, and the resin tyres are absolutely superb. The exposed part of the gun barrel is best replaced with a simple piece of tube, but this aside the gun will make up into an excellent model of this highly unusual weapon.

CLS

An accurate model of an extremely unusual Soviet WW2 gun

Some of the plastic parts could be sharper in detail



MODEL KIT N° 015

Großer Kurfürst

WWI German Battleship



SCALE 1:700

ICM, UKRAINE

GROSSER KURFÜRST WWI GERMAN BATTLESHIP

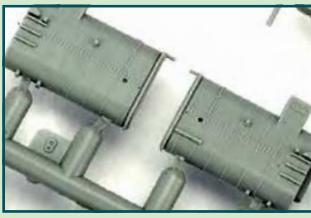
www.icm.com.ua

SCALE: 1:700

MATERIALS: IM, WS

ITEM NO.015

1:700 scale ships have always been very popular amongst ship modellers due to their ease of size and subject choices. This time ICM have released the 1:700 Großer Kurfürst, a legendary and powerful first world war, German Battleship. It is tough not to go on about how impressive this kit looks at first glance. This kit comes with both the option to have the full hull or waterline hull, pick your poison, they will both look sublime. There are crisp rivets on the main gun batteries, highly decorated exhaust stacks, and impressive bridge detailing. Another area worth pointing out is the planking on both deck levels. Live boats, escape vessels and small engine boats are all included and not neglected when it comes to detail quality. The lower hull comes in a red coloured moulded plastic, so this model could be built without paint and would really look the part. There is also an included stand that you can mount the battleship onto. This model is a superb way of getting new and old modellers into building ships, the scale is manageable, the details are phenomenal and it's a great subject choice, there really is everything to like about this release. Well done ICM, once again. IJT



Great size, amazing detail and superb price

None

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



ICM, UKRAINE MODEL T 1914 FIRE TRUCK WITH CREW

www.icm.com.ua

SCALE: 1:35 • MATERIALS: IM • ITEM NO: 35606

The Model T Ford needs no introduction, as this car was produced from 1908 and remained on the production lines for two decades, at a time when motor cars were going through a transformation. Over 15 million were produced, and these cars were used across the globe. With such high production numbers, it is not surprising that the Model T saw a lot of military service, and numerous versions have already been released by ICM. This latest kit takes us into civilian services, with a unique fire truck. The Model T was a versatile and reliable platform, used by Fire Departments throughout the United States for modification to produce a light tender, able to carry water, hoses and ladders to the scene of a fire. Each city seems to have devised their own versions, as no two Model T Fire Trucks look identical, other than being bright red and having lots of shiny brass! This kit includes two water tanks (no visible pump?), ladder, portable extinguishers, and a coiled hose. In addition, there are four firemen, a rescued child, and most important, a rescued cat! The firemen are dressed in typical uniforms for the 1914 period, but there are no indications of insignia on their clothing or vehicle. Without doubt, this would be an eye-catching model, with shiny red paint and polished brass, and there is much conversion potential for different versions.

CLS

+ A unique and colourful model of a US city fire engine and crew

- Some decals would help to give this model a city context



REVELL, GERMANY SWAT OFFICER

www.revell.de/en

SCALE: 1:16

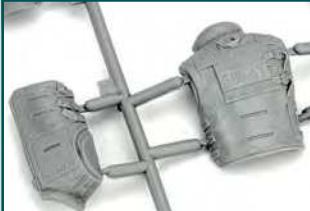
MATERIALS: IM, WS

ITEM NO: 02805

Now, here is something that is taking the modelling world by storm! These new 1:16 figures are popping up from several manufacturers now and with the price and quality that is appealing to all! This 1:16 SWAT Officer is a rebox of the ICM model. Revell have been re-boxing ICM kits for a while now, but why not considering how amazing the quality of ICM kits are. This SWAT officer is stunningly moulded, with crisp folds and creases in the clothing and sharp detailing on the body armour vest and weapons. This large model comes with a nice plinth base that you can display the figure on, as well as a few different options for the base tile, concrete, stone slabs, cobbles, and the blank option for you to do your own basing should you wish. Once this model is built up it will stand at a nice 10.2cm tall and at this size that provides a great opportunity for modellers to really enhance their figure painting skills. There are mould lines on all the separate limbs that will need cleaning up, but with this plastic being quite soft, that won't be a taxing effort. ICM/Revell are really helping bring new and interesting subjects to the market that could help new modellers get into the hobby. This model really is a wonderful and affordable offering and with no compromise on quality. IJT

+ Crisp details and a great price for a new subject

- Mould lines will need cleaning on all parts



PUKKA PUCARÁ



Ricardo Dacoba superdetails Kinetic's excellent 1:48 Argentinian IA-58A Pucará, inside and out!



The IA-58 Pucará is a twin turboprop, originally designed in 1969 as a Counter Insurgency (COIN) aircraft. It could be considered as one of the most successful projects in the history of the FMA (Military Aircraft Factory), since more than 100 examples were manufactured, being exported to Sri Lanka, Colombia and Uruguay. The Pucará had a respectable

performance in combat in the 1982 Malvinas/Falklands conflict, despite the limitations inherent in its design, which did not make it the most suitable aircraft for that type of operations.

The A-549 was sent to the islands from Río Gallegos on May 29th 1982, carrying two additional 318-litre drop-tanks in the wings and a TER with three napalm bombs in the central pylon, fulfilling several missions

until being taken as a war prize on July 14th with the cessation of hostilities. After the war, four Pucará were brought to the UK for evaluation, currently the A-549 is housed in the Imperial War Museum in Duxford, UK.

THE KIT

This is a long awaited kit by many fans of the South Atlantic conflict and also by any modeller who is

looking for an unusual plane to add to their collection. This new IA-58 kit is the best Kinetic release to date; very well engineered with quite refined details on the surface. The cockpit is a bit spartan, lacking a good set of PE instrument panels, but quite acceptable for a little known aircraft. The landing gear is acceptably detailed, although the kit lacks armament, such as TERs and under-wing fuel tanks. ▶



FULL-BUILD: MODERN MILITARY AVIATION

KINETIC 1:48 FMA IA-58A PUCARÁ ● KIT NO.K48078



With the help of a template I added an access panel which was omitted



The panels of the outputs of the four machine guns and the two barrels of the fuselage are excessively staggered so I set out to correct them. I masked with 3M Magic Tape and cut along the line of the panels, exposing them



With a fine-grit sandpaper, I roughened the plastic until it was levelled with the 3M tape



Finally, I deepened the rivets with an awl



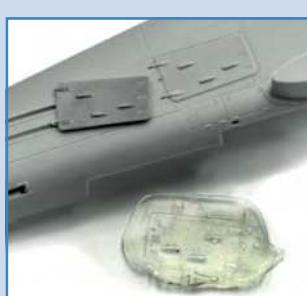
Under the wings, next to the landing gear, there are access panels for the fuel pumps. Kinetic has omitted one of them, so the easiest way to solve it was to clone the existing one and add it on the opposite side



With a little silicone, the existing panel mould was made



I used epoxy cement to make a copy, which it was placed on the opposite side where it was missing



Before removing the machine gun access panel, I again made an epoxy copy of it



For the interior of the machine guns I used a resin donated by another Pucará resin kit



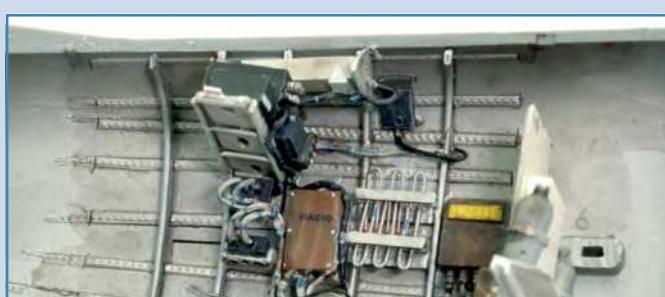
By having the panel copied, I was able to drill out the housing without major problems



Under the fuselage there is a circular access hatch the fuselage which is usually open when the aircraft is on the ground. Kinetic offer this cover with the option of leaving it open but inside the fuselage they isn't any detail, so I did some improvement work



The internal structure is quite elementary, with plastic card slats and tin wire frames, and it only remained to fill the empty spaces



With a little patience and a lot of scratchbuilding I installed the various items of equipment fitted in this area



With enamel Tamiya XF-16 I painted the whole interior of the fuselage and then painted the equipment based on photographs of the real plane



● BUILDING

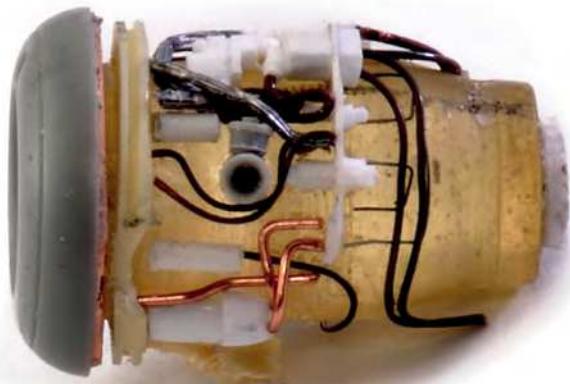
As usual, no kit is free from errors or omissions of some details and although it is an excellent product that Kinetic has developed, it has some things that need to be corrected. Fortunately, nothing serious. I also decided to make certain improvements, like open an engine, armament panel, etc., to add a bit of complexity and make it a little more attractive.

PAINTING

During the South Atlantic conflict, many of the Argentine planes had to be painted in record time, many times on the islands themselves or in



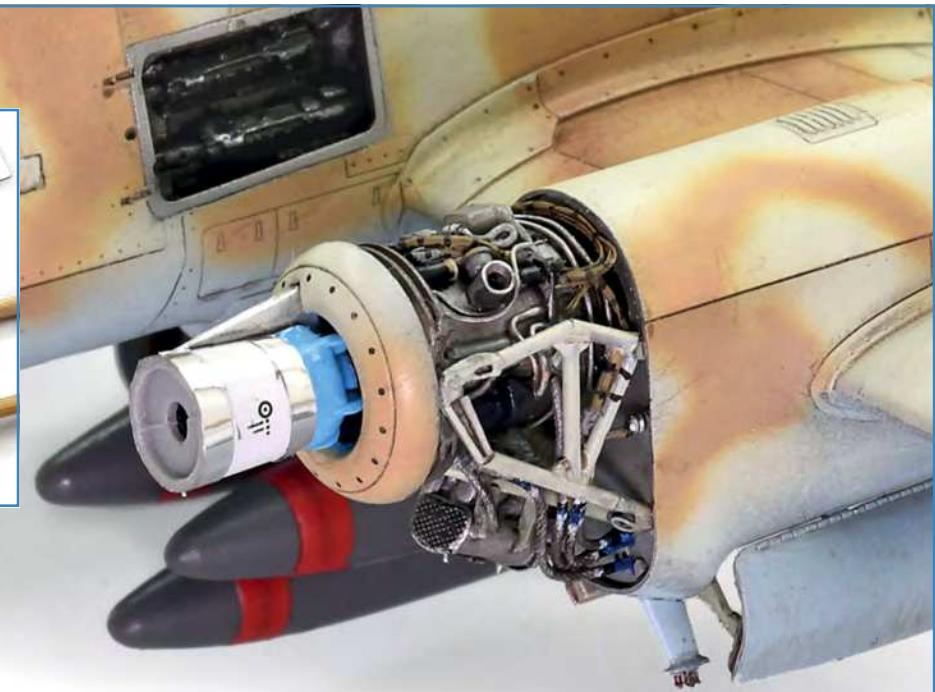
It was much easier to work on the one exposed engine with the wings still separate from the fuselage, especially since they are scratchbuilt and would require a lot of manipulation to obtain the correct alignment. The engine mounts were built entirely from Evergreen styrene profile



To make the Turbomeca Astazou engines I started by turning a cylinder with the basic shape, then I incorporated the main components



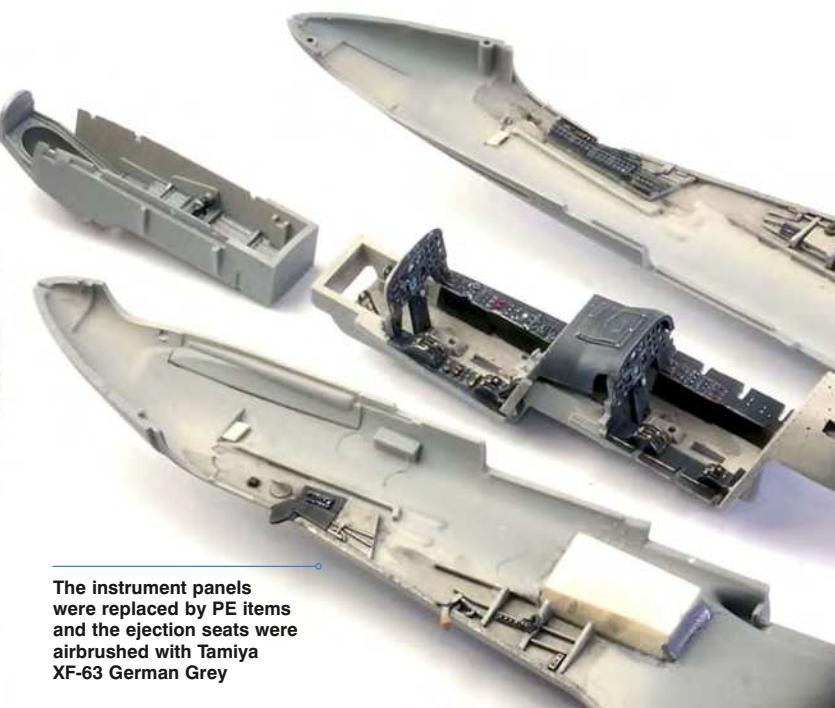
Self-adhesive mirror vinyl is ideal for representing polished steel clamps on engine gearboxes



Here, the engine is practically finished. Although it was relatively simple to make, the addition of cables made it look nicely complex, given its small size



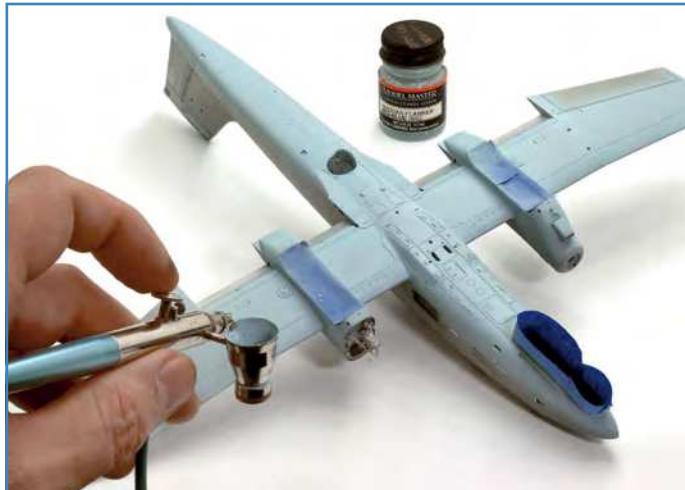
Although the kit seats are correct, I preferred to adapt some resin seats that were a little better detailed, they had to be altered to fit inside the cockpit, as they are slightly larger



The instrument panels were replaced by PE items and the ejection seats were airbrushed with Tamiya XF-63 German Grey

FULL-BUILD: MODERN MILITARY AVIATION

KINETIC 1:48 FMA IA-58A PUCARÁ • KIT NO.K48078



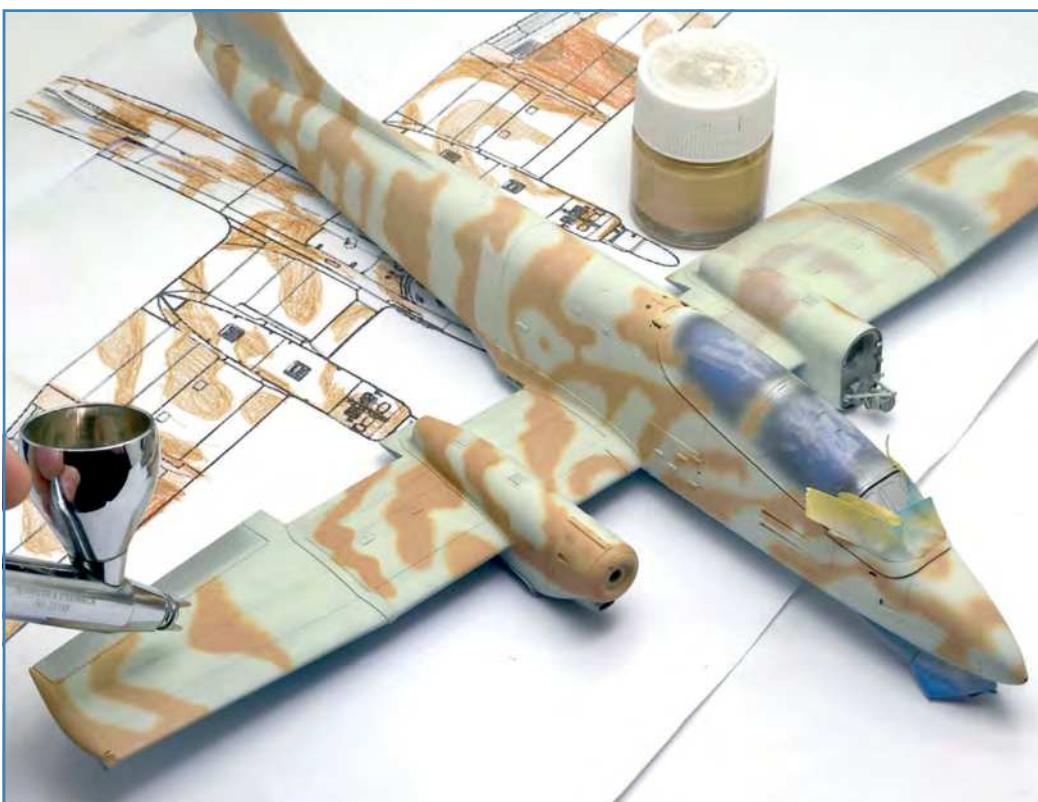
For the lower colour I used Testors Russian Flanker Med. Blue (2131) with the addition of 20% white



The upper green is a mix of Tamiya XF-14 JA Grey with Tamiya XF-2 Flat White

► the squadron workshops, with materials supplied by automotive paint shops in the nearest town and then mixed on site by the staff. This is why it is often a bit difficult to determine the correct colours on these aircraft for this period of time. In the case of the Pucará A-549, it was painted with a brown and green camouflage for the upper surfaces and light blue for the lower ones.

It included yellow bands on the wings and tail, but they were covered with camouflage-like colours before crossing from the mainland to the islands. The colours were created 'by eye' based on current photographs and ones from the conflict of '82. Care had to be taken with reference photographs, mostly taken at the IWM in Duxford, UK, where the A-549 is currently located, as the paint shows great signs of wear and tear from all the years it was exposed to the weather.



The brown shade is a mix of Tamiya XF-78 Wooden Deck Tan and Tamiya XF-64 Red Brown. For a better understanding of the pattern, I drew some profiles, based on all the photos I had to hand

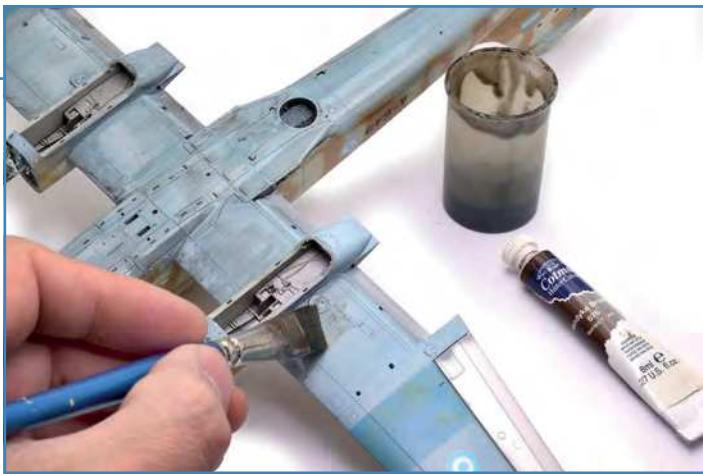
Mini Review...



EDUARD MOSQUITO WHEELS 648746
FOR TAMIYA
www.eduard.com www.creativemodels.co.uk

There are few easier ways to spruce up a scale model aircraft than adding a pair of improved wheels/tyres and here, for Tamiya's 1:48 DH Mosquito, we have an exquisitely detailed set in resin. The tyre treads are crisply rendered and they will be a straight swap for the standard parts.





The colour-washes were applied using Vandyke Brown watercolour by Winsor & Newton, mixed with water. After letting it dry for a few minutes, I removed the excess with a cloth dampened in water



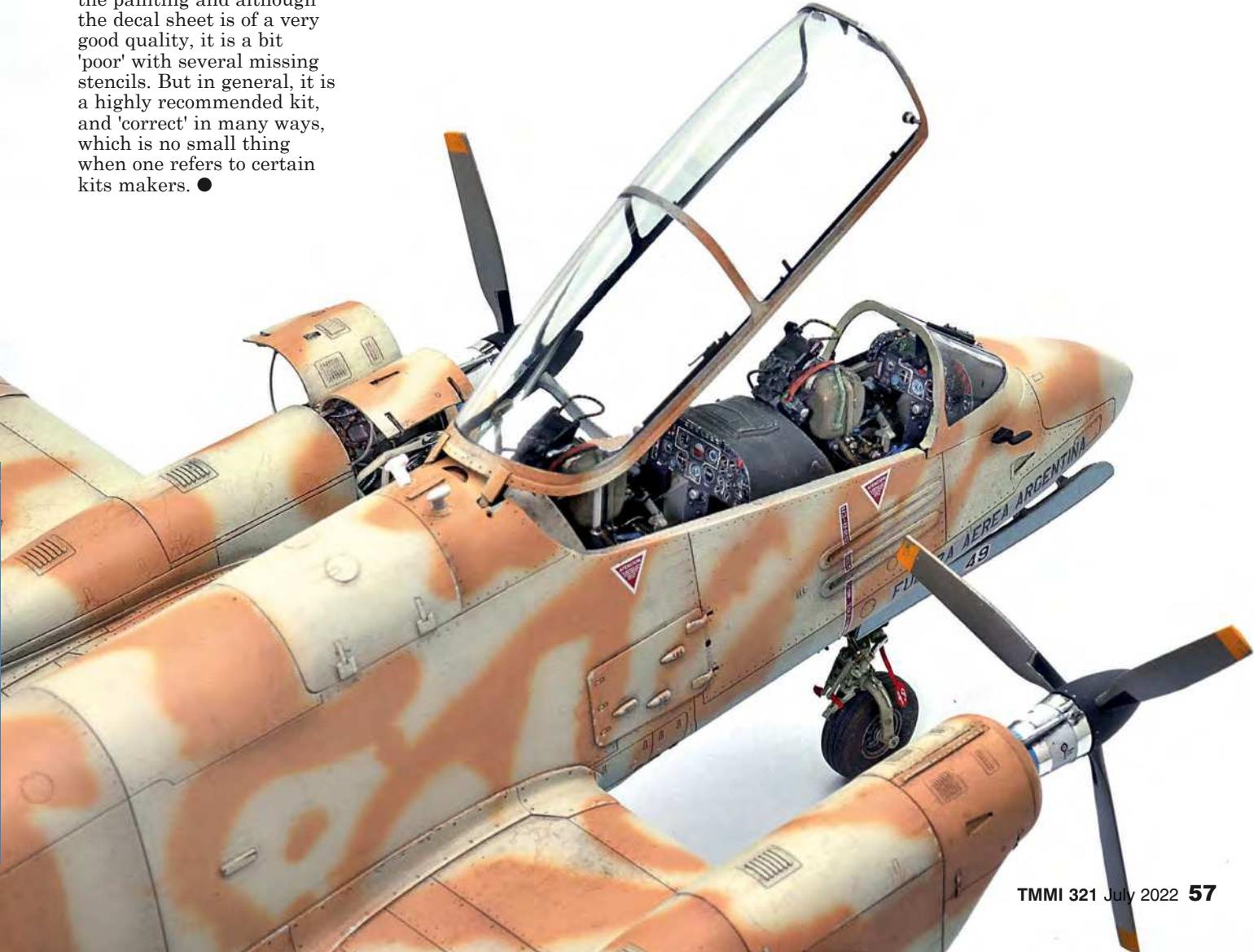
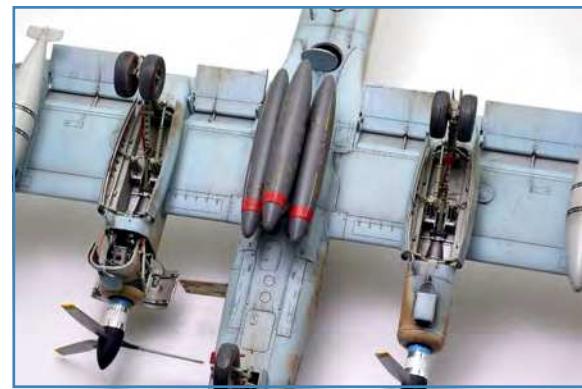
The landing gear is very well detailed; only the hydraulic lines were added. They were painted in Tamiya XF-21 Sky and the wheels in Mr Hobby H-77 Tire Black

CONCLUSION

If you had asked me a few years ago what was the chance of an injection-moulded plastic kit of a 1:48 Pucará appearing on the market, I would have answered "none!" Much less would I have imagined that it would be one of the best kits that Kinetic has made so far. I must say that the instruction sheet is a weak point, lacking clear markings regarding the painting and although the decal sheet is of a very good quality, it is a bit 'poor' with several missing stencils. But in general, it is a highly recommended kit, and 'correct' in many ways, which is no small thing when one refers to certain kit makers. ●



TER rack, with the addition of three napalm bombs, kindly donated from another kit



FULL-BUILD: MODERN MILITARY AVIATION

KINETIC 1:48 FMA IA-58A PUCARÁ • KIT NO.K48078

TECH SPEC...

KINETIC 1:48 FMA IA-58A PUCARÁ
KIT NO.K48078

Materials:

Injection-moulded polystyrene, waterslide
decals

Paints used:

- Tamiya Acrylics: XF-63 German Grey,
XF-14 JA Grey, XF-2 Flat White, XF-64 Red
Brown, XF-78 Wooden Deck Tan, XF-21 Sky
- Mr Hobby: H-77 Tire Black
- Testors: Russian Flanker Med. Blue 2131
- Winsor & Newton: Vandyke Brown water-
colour

Availability:

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Model. www.luckymodel.com





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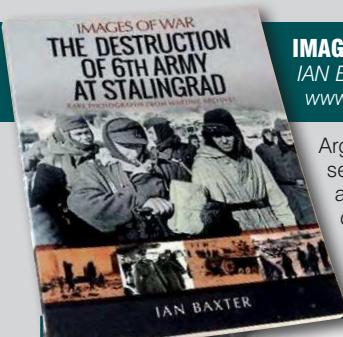
This new kit, produced as a special *Limited Edition*, includes ready made fiberglass hull, completely planked with mahogany wood ready to be varnished. The superstructure is pre-made in one piece in matt white fiberglass ready to be painted. The seat, cabin padding and headrest are hand made and covered with red simulated leather, ready sewn. All fittings, accessories and exhaust pipes are in solid brass and chrome plated. This kit includes very detailed photo-etched parts to complete this realistic model.

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Book Reviews

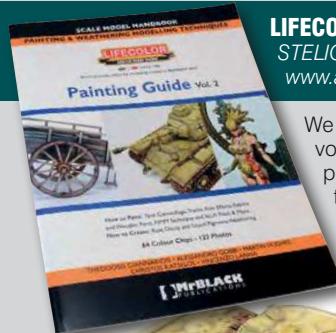
GOT A NEW BOOK? IF YOU ARE A PUBLISHER WITH A NEW MODELLING RELATED TITLE TO PUBLICISE, WHY NOT SEND IN A COPY FOR REVIEW HERE?



IMAGES OF WAR, THE DESTRUCTION OF 6TH ARMY AT STALINGRAD

IAN BAXTER, PEN & SWORD MILITARY
www.pen-and-sword.co.uk

Arguably the major turning point of the Second World War, this new title from Pen and Sword in their 'Images of War' series provides the reader with an engrossing collection of images that trace the path of the vast German 6th Army as it approached Stalingrad in the spring of 1942. The photographs are extremely evocative and offer a real insight into not only the uniforms and equipment of campaign, but, tellingly, the demeanour of the troops themselves; fully equipped and confident at the beginning, haggard and demoralised at the end. For the scale modeller, there is much here of interest, from the details of the aforementioned uniforms to the tanks, trucks and artillery pieces that were deployed. There is even a shot of the LeG18 75mm, which brought a smile to this reviewer's face! **TMMI**



LIFECOLOR PAINTING GUIDE VOL. 2

STELIOS DEMIRAS, MR BLACK PUBLICATIONS
www.airbrushes.com

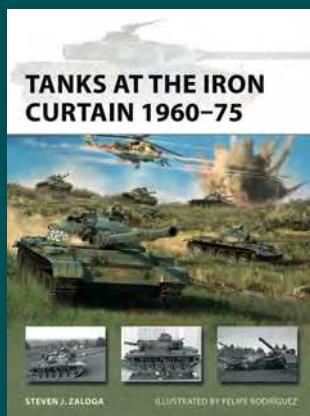
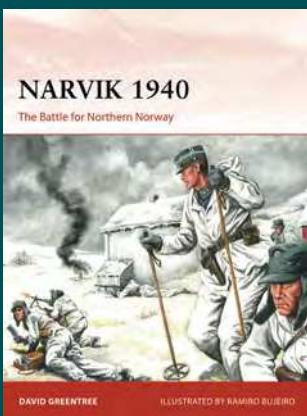
We review Italian-made Lifecolor paints frequently in TMMI and this book (actually volume 2) offers a useful guide on how to get the best from them. It has been produced by Greek publishers Mr Black and the quality is outstanding; within the thirty-four pages (plus covers) we are treated to some excellent models being painted and weathered using these acrylic paints and the results speak for themselves.

Highly recommended and top value at just over a tenner for a copy. **TMMI**



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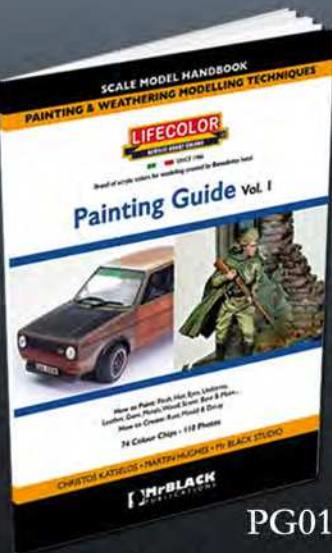


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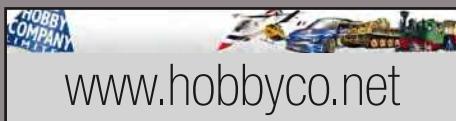
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NEXT ISSUE

The next issue of TMMI is August 2022 (No.322), on sale 21st July



J IS THE WAY!

Tamiya's fabulous new 1:48 Lockheed P-38J Lightning, full-build

KEEP THE FAITH

A Bishop conversion based on Tamiya's 1:35 Valentine tank kit



SWEET SIXTEEN

Eduard's exquisite 1:48 Supermarine Spitfire Mk.XVI swoops in

...AND MUCH MORE, OF COURSE!

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

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The Editor's Page...

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"THE 60TH SHIZUOKA HOBBY SHOW HAS ALREADY EXCEEDED ITS CAPACITY FOR THE FIRST TIME IN THREE YEARS"

Mr. Shunsaku Tamiya speaks about the 2022 Shizuoka Hobby Show

The 60th Shizuoka Hobby Show, sponsored by the Shizuoka Model Teaching Materials Cooperative, opened on May 11th 2022 at the Twin Messe centre in Shizuoka City, Japan and ran until May 14th. This was the first time the event took place in full for three years! The chairman of

the Shizuoka Model Teaching Materials Cooperative, Mr. S Tamiya, said that he was "happy" for the first time in three years, and said, "Last year, I attended only on the trader's day without opening to the public", but this year, (Tamiya's) sales performance is higher than before the Coronavirus epidemic". ●



Source: Car Watch via tamiyablog.com

EDITOR'S CHOICE will return next month...
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SCANIA S730 HIGHLINE 4x2

Model Kit No. 3927



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- OFFICIAL LICENSED PRODUCT

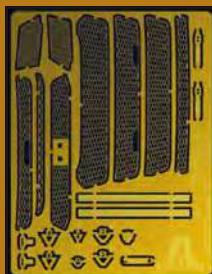
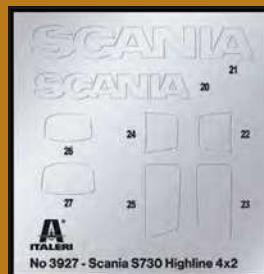


Photo etched parts



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Decals sheet for
Special Edition
Scania V8 50th
Anniversary



Model Kit Features

- New fully detailed cabin and interiors
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BRITISH MAIN BATTLE TANK CHALLENGER 2



Trained for the Desert

The Challenger 2 was deployed as the British main battle tank in the Iraq War in March 2003, and it defeated enemy T-54 and T-55 armor with its state-of-the-art 120mm rifled gun. Now, Tamiya welcomes this main battle tank – which was modified to make it suitable for desert warfare – to the extensive 1/48 Military Miniature Series. Not only is the cutting-edge, powerful form realistically depicted, the model's easy assembly – which is one of the features of this series – is facilitated by ergonomic parts breakdown. Also, parts authentically capture additional armor, side skirts and engine grille area. Enjoy recreating realistic diorama in the desert and comparing the model with the U.S. Main Battle Tank M1A2 Abrams.

Includes a commander torso figure and one marking scheme.

The hull rear with two external fuel tanks has an ergonomic parts breakdown.

Assembly type tracks have one-piece straight sections.



★Length: 243mm
★Width: 84mm

1/48 MM Modern Japanese & U.S. Vehicles from the 1/48 Military Miniature Series

U.S. Main Battle Tank M1A2 Abrams (32592)

Japan Ground Self Defense Force Type 10 Tank (32588)

Japan Ground Self Defense Force Type 16 Maneuver Combat Vehicle (32596)



Finishing Materials

Tamiya Modeling Brush HG II Flat Brush (Extra Small/Small/Medium)

Tamiya welcomes updated versions of the high-quality Tamiya Modeling Brush HG Flat Brush. These flat brushes feature very fine PBT resin bristles for a soft, smooth brushstroke. ★ Their handy grips are crafted in solvent-resistant plastic and have stoppers to prevent rolling on their ends. ★ Grip length: 130mm (approximate).



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

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1/48
MM
MILITARY MINIATURE SERIES



★Decals depict periscope detail, turret-front Combat Identification Panels and more.

★Weights installed inside the model give a realistic heavy feel.

★Canvas side skirt depictions have realistic surface textures.



1/48 Military Miniature Series (Item 32601)

British Main Battle Tank Challenger 2 (Desertised)

Painting the British Main Battle Tank Challenger 2 (Desertised)
(Tamiya Color Spray Paints (TS) / Tamiya Color Lacquer Paints (LP))
TS-46/LP-30 Light Sand


TAMIYA