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£4.60 January 2020 ISSUE 291

A MATILDA
FOR THE
MOTHERLAND!

TAMIYA'S 1:35
MATILDA II IN
SOVIET SERVICE



Model MAGAZINE NATIONAL

www.tamiyamodelmagazine.com

TAMIYA'S
1:32 F-16CJ IN
UAE COLOURS

DESERT FALCON

INSIDE...

Tamiya 79th Pachi Contest winners, Revell 1:48 Ju88A4 wreck, Belkits
1:24 Ford Fiesta RS, plus new kits, books and modelling accessories...

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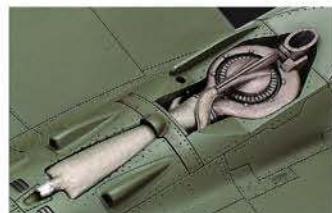
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LOCKHEED® P-38®F/G LIGHTNING®

An Ace in the Hole

The P-38 Lightning was developed by Lockheed in response to a 1937 proposal from the United States Army Air Corps; this twin engine aircraft would prove a massively successful design, enjoying a production run of around 10,000 units and spawning numerous U.S. aces in WWII. Its twin V12 engines were housed one each in twin booms that stretched back to the tailplane, flanking a central nacelle containing the cockpit and weaponry. A combination of superb range, firepower and carrying capacity ensured that the P-38 was a superior fighter-bomber, and it made a considerable impact after joining the Pacific War in late 1942 including the shooting down of Japanese Admiral Isoroku Yamamoto in 1943, a significant morale boost for the Allied cause. Now this legendary subject joins the Tamiya 1/48 Aircraft Series. Our designers spent plenty of time looking over real P-38s to ensure that not only is the model a highly satisfying build, it enjoys superb accuracy. Take this chance to construct it for yourself, and appreciate the wonder of the P-38 design.

★This is an accurate rendering based on extensive research of actual aircraft. ★Slim engine cowlings, wing, and curved windshield are recreated in style. ★Features sturdy and precise landing gear assembly. ★Choose whether to assemble as a P-38F or P-38G aircraft. ★Weights are included to give the model correct balance. ★Comes with a pilot figure.



Detailed depictions of turbochargers



Sturdy and accurate landing gear parts design

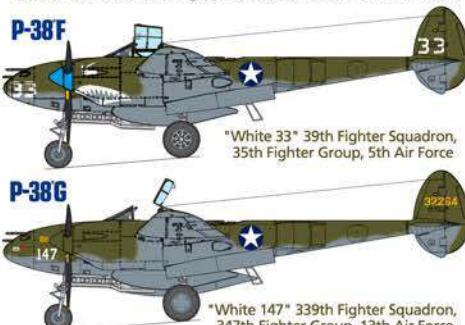


Special decals recreate cowl interior mirrors.



The detailed cockpit features control wheel, radio and more. Masking stickers are included for the canopy paint job.

Comes with two marking options: one P-38F and one P-38G.



Choose open or closed canopy, with parts for sideways-opening P-38F and rearward-opening P-38G designs.



P-38Gs which took part in Operation Vengeance carried one each of 150- and 300-gallon tanks.



Information leaflet and color painting guide included!

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32 DESERT FALCON
Tamiya's 1:32 F-16CJ IN UAE colours



8 SMILE FOR THE CAMERA... PACHI!

Tamiya's 79th 'Pachi' photo-contest winners



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TAMIYA
Model
MAGAZINE
INTERNATIONAL

Issue 291 January 2020

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IN BRIEF...



TAMIYA

- 1:24 Toyota GAZOO Racing TS050 Hybrid 2019
- 1:35 US Self-Propelled AA Gun M42 Duster (w/3 Figures)
- 1:24 Toyota Celica Supra Long Beach GP Marshal Car
- 1:24 Toyota Supra 3.0GT Turbo
- FRP Wide Front Plate (for VZ Chassis)
- Neo-VQS (VZ Chassis)
- TOYOTA GR Supra (MA Chassis)
- RoboRace DevBot 2.0 (MA Chassis)
- LP-73 Khaki
- LP-74 Flat Earth
- LP-75 Buff
- Type 370 Torque-Tuned Motor
- TT-02 Lower Deck (Hard/Black)
- Tamiya Pencils (Square, 3pcs.)
- 40ml Square Bottle Holder
- Mini 4WD Car Catcher (Mini 4WD Station/Red)

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EDUARD

- 1:48 P-38F Lightning instrument panel 'Löök' (for Tamiya)
- 1:48 P-38G Lightning instrument panel 'Löök' (for Tamiya)
- 1:48 P-38F/G wheels (for Tamiya)
- 1:48 P-38F/G gun barrels (for Tamiya)

www.creativemodels.co.uk/eduard.com



DAS WERK

- 1:35 2cm Salvenmaschinenkanone SMK18 Typ 2

www.das-werk-models.com



ZVEZDA

- 1:100 M-3 Scout Car
- 1:43 VAZ gas service van

www.hobbyco.net

ERRATUM

MIG PRODUCTIONS, NOT AMMO BY MIG

Last issue in 'New Releases Accessories' (page 46) we incorrectly stated that the 1:35 'Toxic & Waste Drum' by Mig Productions was an 'AMMO by Mig' product. The correct website for this product is: www.migjimenez.com Our apologies for any confusion caused by this error.



MILITARY MINIATURES

1:35 SCALE GERMAN INFANTRY SET (MID-WWII)

THE SET CONTAINS 5 FIGURES OF WEHRMACHT INFANTRY. THE FIGURES ARE IN SEMI-RELAXED POSES WITH WEAPONS. THE FIGURES ARE MADE WITH THE LATEST TECHNOLOGY, GIVING THEM EXTREMELY NATURALISTIC POSES AND DETAIL.



NEW FROM TAMIYA - 1:35 GERMAN INFANTRY SET (MID-WWII)

This is a newly tooled set of five 1:35 figures depicting WW2 Wehrmacht infantrymen in semi-relaxed poses with their weapons. The figures were made with the latest technology, giving them extremely naturalistic poses and detail.
www.hobbyco.net (Main photo courtesy of Tamiya USA)



ON THE WAY FROM TAMIYA 1:12 KAWASAKI NINJA H2 CARBON

This revised model depicts the 2018-spec version of the road-going Kawasaki Ninja H2 Carbon. The kit features new indicators, larger silencer, rear number plate, side mirrors and upgraded designs for the upper cowling headlights, windscreens and more. www.hobbyco.net
(Detail photo courtesy of Tamiya USA)



NEW FROM REVELL 1:72 EC145 Eurocopter

The EC145 Eurocopter is an attractive subject for a kit and Revell's 1:72 model now appears in overall blue with EU 'In Variete Concordia' graphics.
www.revell.de/en



ON THE WAY FROM HK MODELS 1:48 B-17G Early Production

Seen 'in the plastic' at the Scale Modelworld show in Telford back in November, HK Models' new 1:48 Flying Fortress looked magnificent. More news soon.
www.pocketbond.co.uk



NEW FROM ITALERI 1:72 F-35B LIGHTNING II STOVL VERSION

Italeri of Bologna have created an all-new model of the complex and fascinating F-35B Lightning II 'Joint Strike Fighter', featuring engine intake detail behind its openable cover panel, bomb-bay detail and a complement of underwing stores.
www.hobbyco.net

ON THE WAY FROM ZVEZDA 1:35 Russian VPK-7829 BUMERANG APC

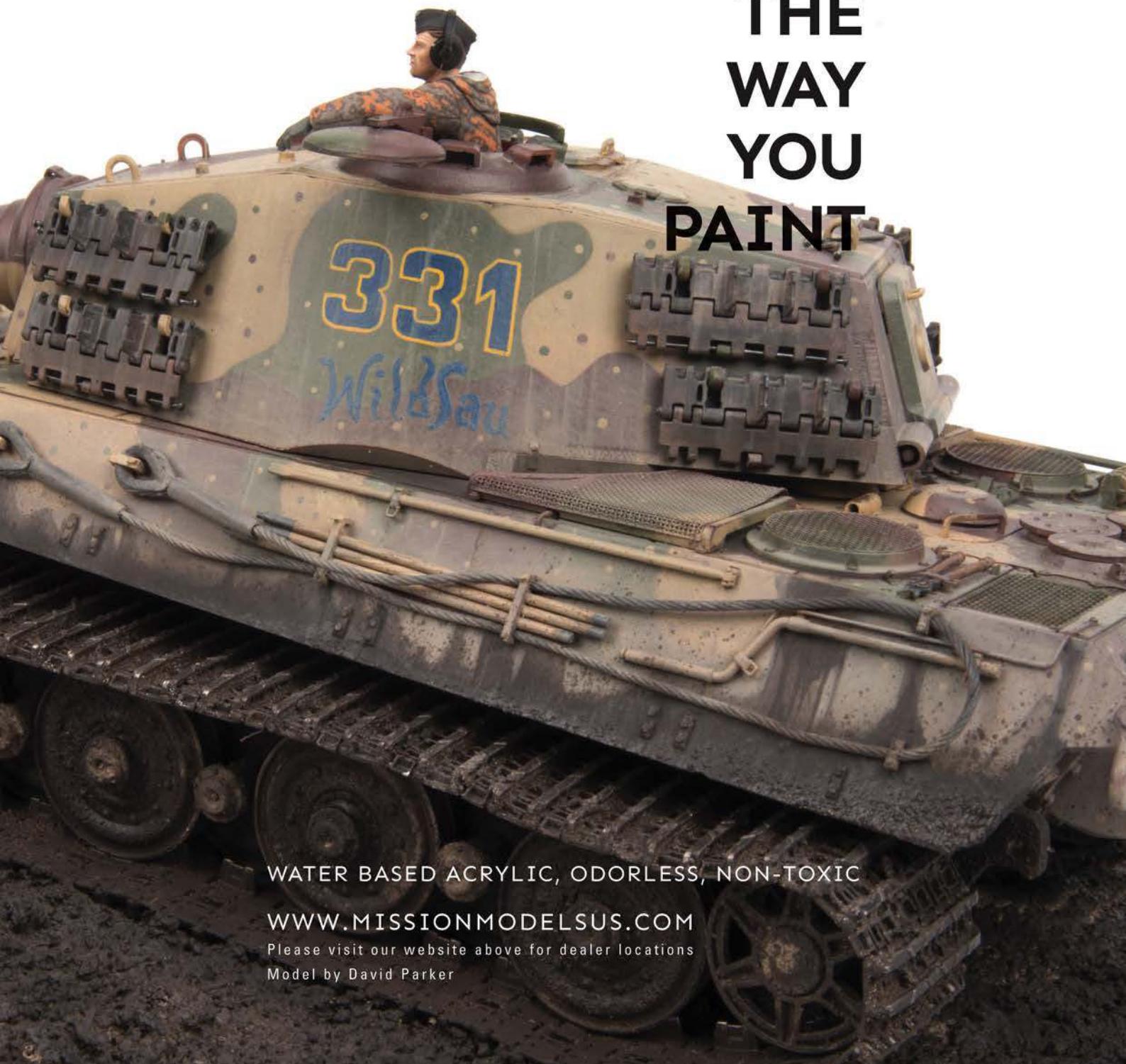
The VPK-7829 Bumerang is an amphibious wheeled infantry fighting vehicle and armoured personnel carrier being developed for the Russian Army. Zvezda's new-tool kit perfectly captures the imposing lines of this huge machine.
www.hobbyco.net



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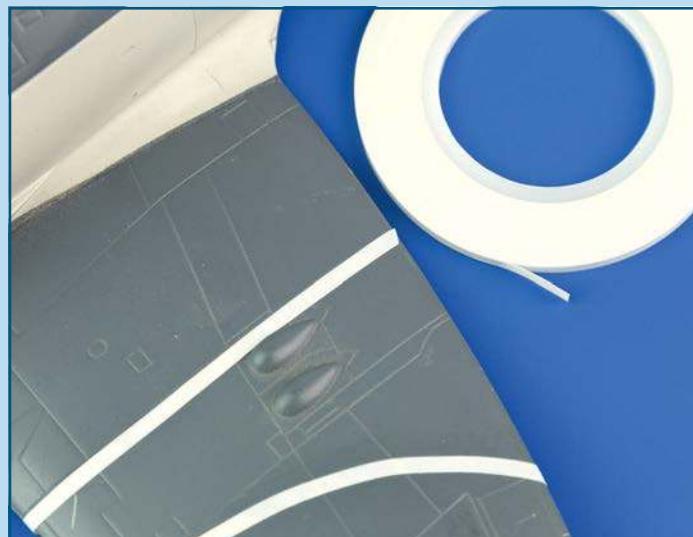
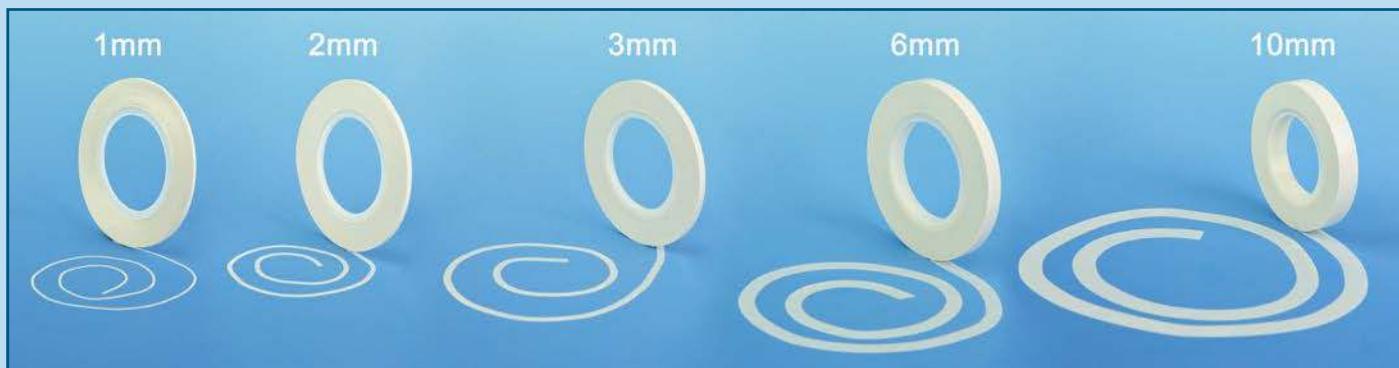
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MODELLING COMPETITION

79TH PACHI PHOTO CONTEST

Gold Award

TITLE:.....Battle of the Bulge

CREATOR:....Hiroshi Takashima

SCALE:.....1:35

My piece used an elliptical base, and to try and lend it a feeling of depth I took this picture from a lower position. The background is a picture pasted onto a board, placed together with the diorama on a garden table. I took pictures from a number of different angles, but this was my favourite of the lot!



SMILE FOR THE CAMERA... PACHI!

Tamiya's 'Pachi' photo-contest (the word 'pachi' being the sound of a camera's shutter firing) has taken place no fewer than seventy-nine times, an impressive achievement for any scale modelling competition

This year's participants covered a wide range of age groups, from the age of ten to seventy-eight years old and it's a lovely thought that modelling is so popular with the young and old. It is also very encouraging to note the increase in entries from modellers in their teens and twenties.

Here are the winners in the Diorama and Model categories this year and we think you'll agree that is some great Tamiya model building going on here, plus some amazing photography! ●

TAMIYA 79TH PACHI PHOTO CONTEST: DIORAMA SECTION



MODELLING COMPETITION

79TH PACHI PHOTO CONTEST



Silver Award

TITLE:.....M551 in South Vietnam
CREATOR:....Shigehiro Yoshida
SCALE:.....1:35

I have a soft spot for the Sheridan, having made it when I was just an elementary school kid (ages 6-12 in Japan), so it seems to me a perfect choice to commemorate 50 years of the 1:35 Military Miniature Series! I put quite some time into creating the tropical flora and Buddha statue for the dense Vietnamese jungle backdrop, and when choosing the background on the internet, I made sure that it was scaled appropriately to the piece. I took the picture in natural light.



Bronze Award

TITLE:.....Bastogne, 1945
CREATOR:....Masakazu Arayashiki
SCALE:.....1:35



Bronze Award

TITLE:.....The Sturmiger Left Behind
CREATOR:....Akira Hitomi
SCALE:.....1:35



Bronze Award

TITLE:.....Advance!
CREATOR:....Kenichi Sanada
SCALE:.....1:35



Bronze Award

TITLE:.....Breakthrough
CREATOR:....Hinata Shiba (17)
SCALE:.....1:35



Junior Award

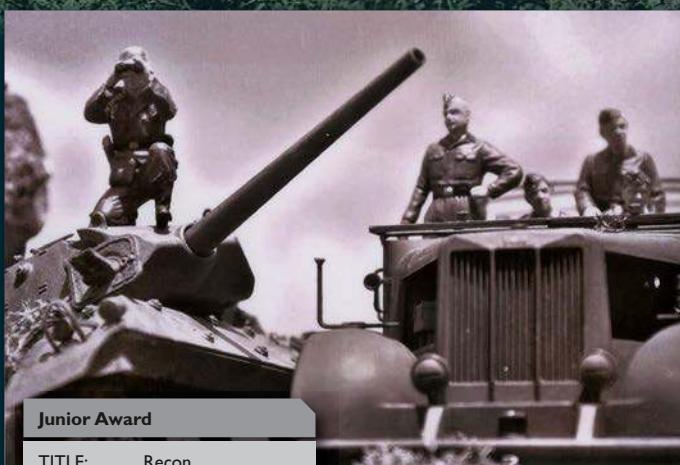
TITLE:.....The Final Defence
CREATOR:....Rinto Nakazawa (12)
SCALE:.....1:35



Silver Award

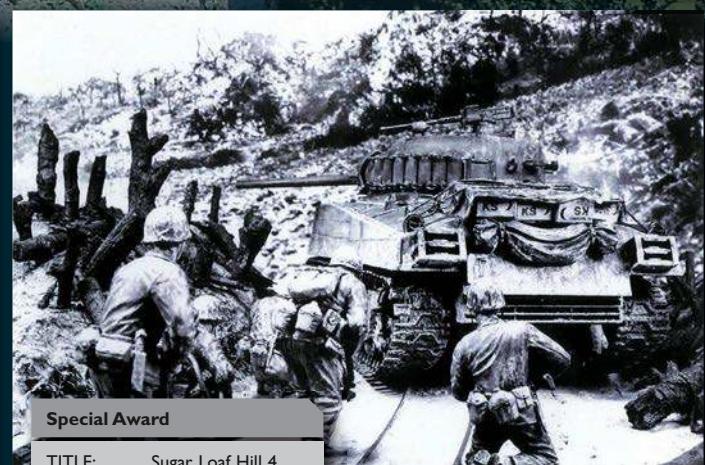
TITLE:..... Viennese Flak Tower
CREATOR:.... Tomofumi Konno
SCALE:..... 1:35

This is my own design of tower, and doesn't replicate any of those that actually exist(ed) in Vienna; it features a hand-painted Habsburg crest. I wrestled with what angle to snap the diorama from – face on would de-emphasize the gunners too much, and overhead would lose the impact of the tower design. This picture was taken outside on a sunny day, using a Canon compact digital camera.



Junior Award

TITLE:..... Recon
CREATOR:.... Zhang Shuyu (15)
SCALE:..... 1:35



Special Award

TITLE:..... Sugar Loaf Hill 4
CREATOR:.... Hidehisa Nara
SCALE:..... 1:35

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MODELLING COMPETITION 79TH PACHI PHOTO CONTEST

TAMIYA 79TH PACHI PHOTO CONTEST: MODEL SECTION

Gold Award

TITLE:.....Carro Armato M13/40
CREATOR:....Ling Yong-ming
SCALE:.....1:35

In order to really emphasize the idea of a vehicle serving in the desert, I crafted a flag and raincoats, using epoxy putty. I wanted to put a lot of accessories on, too – various bags, packs and sandbags. I used weathering quite extensively to capture the severe wear and tear experienced by armour in the desert.



Silver Award

TITLE:.....Hummel (Late Production)
CREATOR:....Yohsuke Yamada
SCALE:.....1:35

I added a bit of extra detail to the kit, mainly using metal rod. I also added the hull-side grille armour I went for the distinctive disc pattern so typical of late production German vehicles, and with my weathering I aimed to ensure my subject looked like it had seen plenty of use. Using a digital single-lens reflex camera, I tried to achieve neutral colouring and a natural perspective.



Alfa Romeo 8C 2300 Monza

1:12
scala scala

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on the Alfa Romeo 8C 2300 "Monza"



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MODELLING COMPETITION

79TH PACHI PHOTO CONTEST

Bronze Award

TITLE:.....M551 Sheridan (Vietnam War)
CREATOR:....Junya Satoh
SCALE:.....1:35

Sheridans in Vietnam often appeared rather dark in their colouring, but bearing in mind the scale I was working in, I chose a lightened tone of olive drab, even adding highlights on the turret and hull. In order not to lose the Vietnam aspect of the piece, I added liberal amounts of reddish-brown 'splash' to the running gear and lower hull sections. If I could change anything, I would like to re-do the commander's helmet – it is a little too bright and reflective.



Bronze Award

TITLE:.....Nashorn
CREATOR:....Tsukasa Hasegawa
SCALE:.....1:35



Bronze Award

TITLE:.....Scorned by Fate
CREATOR:....Naoya Kume
SCALE:.....1:35



Bronze Award

TITLE:.....Fuel Truck
CREATOR:....Kohichi Hoshino
SCALE:.....1:48



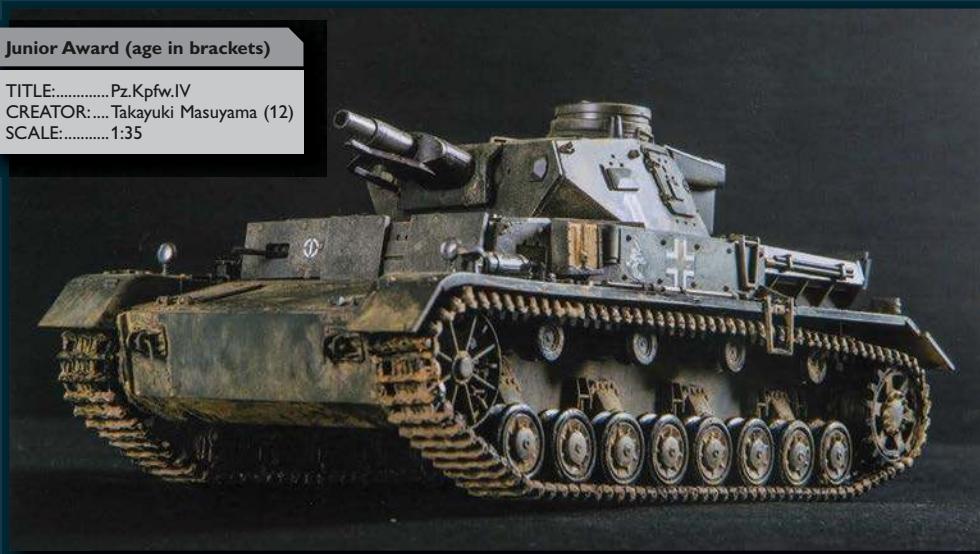
Bronze Award

TITLE:.....Syrian Pz.Kpfw.IV
CREATOR:....Kazuhisa Kunimoto
SCALE:.....1:35



Junior Award (age in brackets)

TITLE:.....Pz.Kpfw.IV
CREATOR:....Takayuki Masuyama (12)
SCALE:.....1:35



Junior Award (age in brackets)

TITLE:.....B1 bis
CREATOR:....Yuma Fukumoto (15)
SCALE:.....1:35



Junior Award (age in brackets)

TITLE:.....Churchill Crocodile
CREATOR:....Shinichiro Miyata (15)
SCALE:.....1:48

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04952 Airbus A321neo, 1:144

LEVEL 5

03863 Heinkel He111 H-6, 1:48

LEVEL 4

New Parts

05688 Gift Set - Spitfire Mk. Ila 'Iron Maiden', 1:32

LEVEL 4

03879 F-104 G Starfighter RAAF/BAF, 1:72

LEVEL 4

New Parts

05165 Patrol Torpedo Boat PT-579/PT-588, 1:72

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FORD'S FIESTY FIESTA!

Lesley Eyckerman
builds Belkits' 1:24
Ford Fiesta RS WRC
2017 as Sebastian
Ogier's car

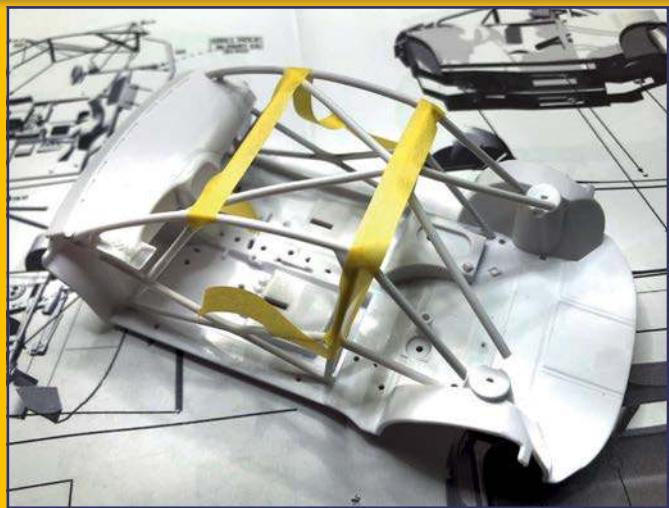
As a fan all kinds of auto-sports, I was very happy that Belkits announced the Ford Fiesta RS WRC from 2017. They released two versions of this kit, the Ogier version that I have built here and the Tanak version. When I examined the parts close up, I noticed that they are highly detailed. There are a lot of them too, but that's normal with Belkits. They also include a highly detailed photo-etched metal set plus metal parts for the body. They are getting better and better and I dare to say that they might compete with other brands like Tamiya one day. The only problem I have seen so far are the decals. Body colour should be gloss, but the blue decals are matt and Redbull decals are gloss again. It makes it very difficult to replicate the real car, because masking would be a real pain. Oh well, something new to try! Also, the guys from UMP sent me package with some of their excellent products. ☚





FULL-BUILD: MODEL MOTOR SPORT

BELKITS 1:24 FORD FIESTA RS WRC 2017 SEBASTIEN OGIER ● KIT NO.BEL012



Test-fitting the roll cage onto the interior using Tamiya masking tape



Final dry-fitting the body, interior and chassis prior to painting

LET'S GET STARTED

Like all my previous builds, I started by cutting all parts from the sprue and removing all the seam-lines, then sanding the parts for priming. Before the priming stage, I dry-fitted the interior to make sure the body sat correctly on the chassis. So far so good, I didn't need to make modifications this time. Only one reminder; don't drill out the holes in the wheels if you are not going to put in aftermarket lug-nuts.

I gave all the parts a good wash with soapy water and a good rinse then left them to dry for a few days. For the undercoat, I used white, grey and black primers from UMP. These are great products that lay down very well. I let the primers dry overnight then started with the base colours; different types of Tamiya acrylics and Motip semi-gloss black. For metallics I used Zero Paints Metallics which are very good quality and can be masked over without any issues.

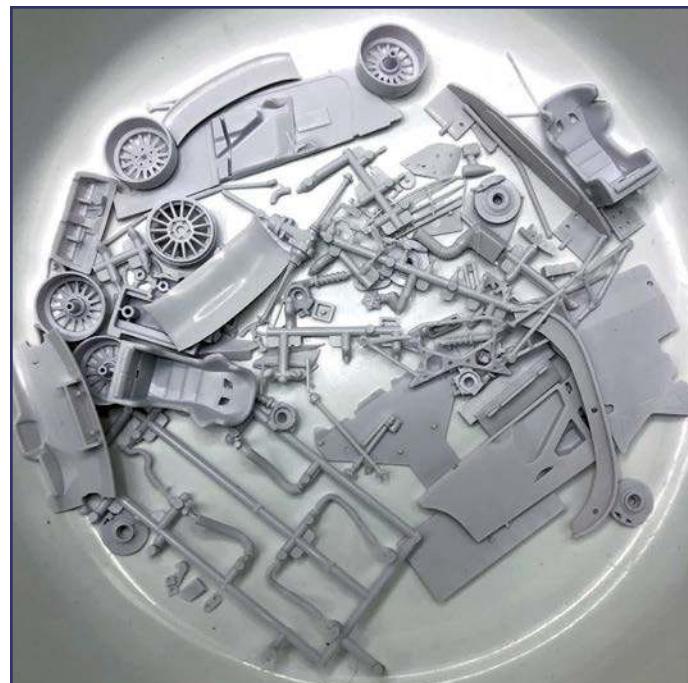
The seats, dashboard and steering wheel were primed with Tamiya Primer, then masked and given a spray with 'Scale Fabric' texture-paint from Tenco. I then painted them black and after a few hours, they were ready for further detailing. The brake discs were undercoated in semi-gloss black, then painted with Zero Paints Titanium Silver. I masked off the callipers then painted the discs with Zero Paints Gunmetal.

and left them to cure. The springs were also painted with semi-gloss black, the springs then masked off and the hubs finished with Zero Paints Titanium Gold. They were masked off again and the springs painted with Zero Paints Metallic Chrome and left to fully dry, because there's a need for yet another masking operation, this time for blue!

I now turned to the night-stage spotlights. These were first primed in UMP Black primer then finished in Motip semi-gloss black and then I started to apply the carbon-fibre effect decals. It was my first time using Belkits CF decals and must say they go down very easily, so thin. The same CF decals were used on the diffuser, dashboard, front grille and front splitter and rear wing. ▶



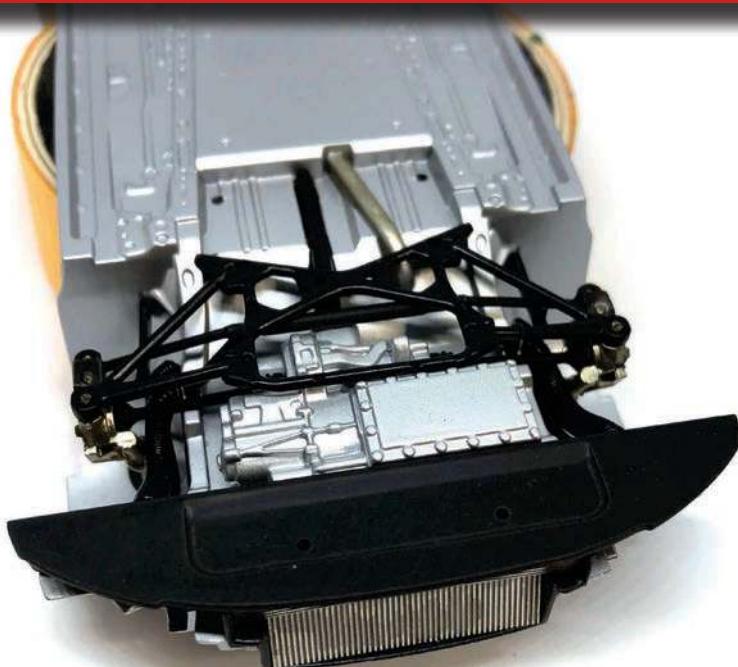
The photo-etched radiator mesh was glued into place with Bob Smith Industries Super Gold+



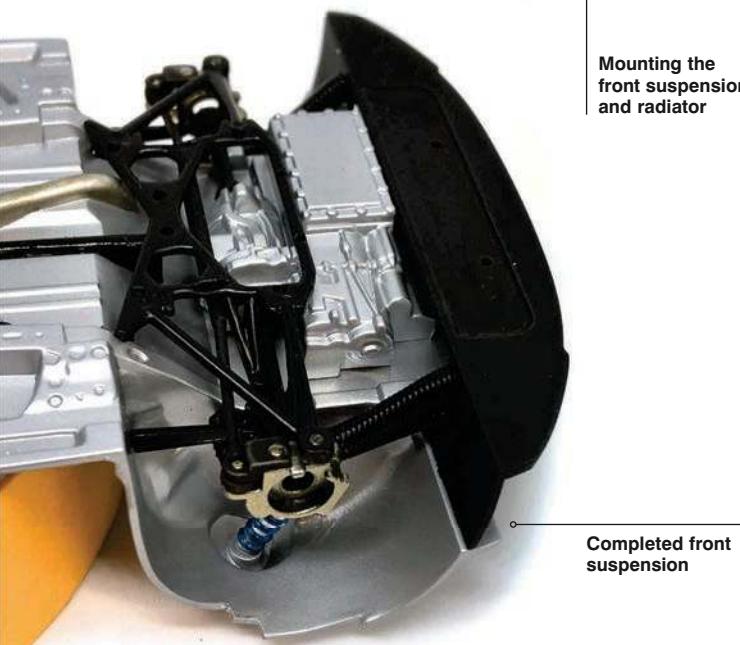
All parts cleaned and prepped and ready to be washed with soapy water



Finished suspension spring and wheel hubs. The author used Zero Paints Titanium Gold for the hubs, Zero Paints Chrome for the struts and Tamiya Metallic Blue for the springs



Mounting the front suspension and radiator



Completed front suspension



Completed callipers and brake discs using PE from the kit and painted with Zero Paints Titanium Gold. The PE discs were heated with a lighter to get a natural look

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FULL-BUILD: MODEL MOTOR SPORT

BELKITS 1:24 FORD FIESTA RS WRC 2017 SEBASTIEN OGIER ● KIT NO.BEL012

INTO THE CABIN

The interior was primed with UMP Black primer and painted with decanted Tamiya TS-17 Gloss Aluminium and the chassis and rollcage received the same process. Like the steering wheel, the seats got the Tenco treatment and I used the kit carbon-fibre effect and Sparco decals to finish them. For the harness, I used 3mm satin ribbon. The wheel-nut gun was painted with Tamiya X-7 Red (gloss) through the airbrush and I hand-painted the black areas.

The spare wheel was painted with Motip Gloss White and I clear-coated it with gloss clear from Gunze after the decals were applied. So far everything fitted really well. The body was primed with Tamiya Grey Primer and painted with Motip Gloss Black. I used Zero Paints Metallic Aluminium for the base-colour and clear-coated

it with 2k diamond clear. It was left to dry for two days before I started applying the big blue decals. They fitted pretty well and didn't need a lot of setting solution. I used UMP 'Strong' and it worked great with a little heat from the hairdryer.

GLOSS, SEMI-MATT AND MATT

Before I applied the gloss decals I took a scan and printed them onto some Tamiya Masking sheet, so I could cut them out for later usage. After all decals were placed, I gave the bodyshell a clean with some clean water and microfibre cloth. Once dry, I gave it a thin coat of Zero Paints 2k Diamond Clear and left this to cure for forty-eight hours. After the clear-coat had cured, I polished the surface with Micro-Mesh 3600-grit to 6000-grit. The next step was masking off the parts that needed to stay shiny in readiness for some matt

“For metallics I used Zero Paints Metallics which are very good quality and can be masked over without any issues...”

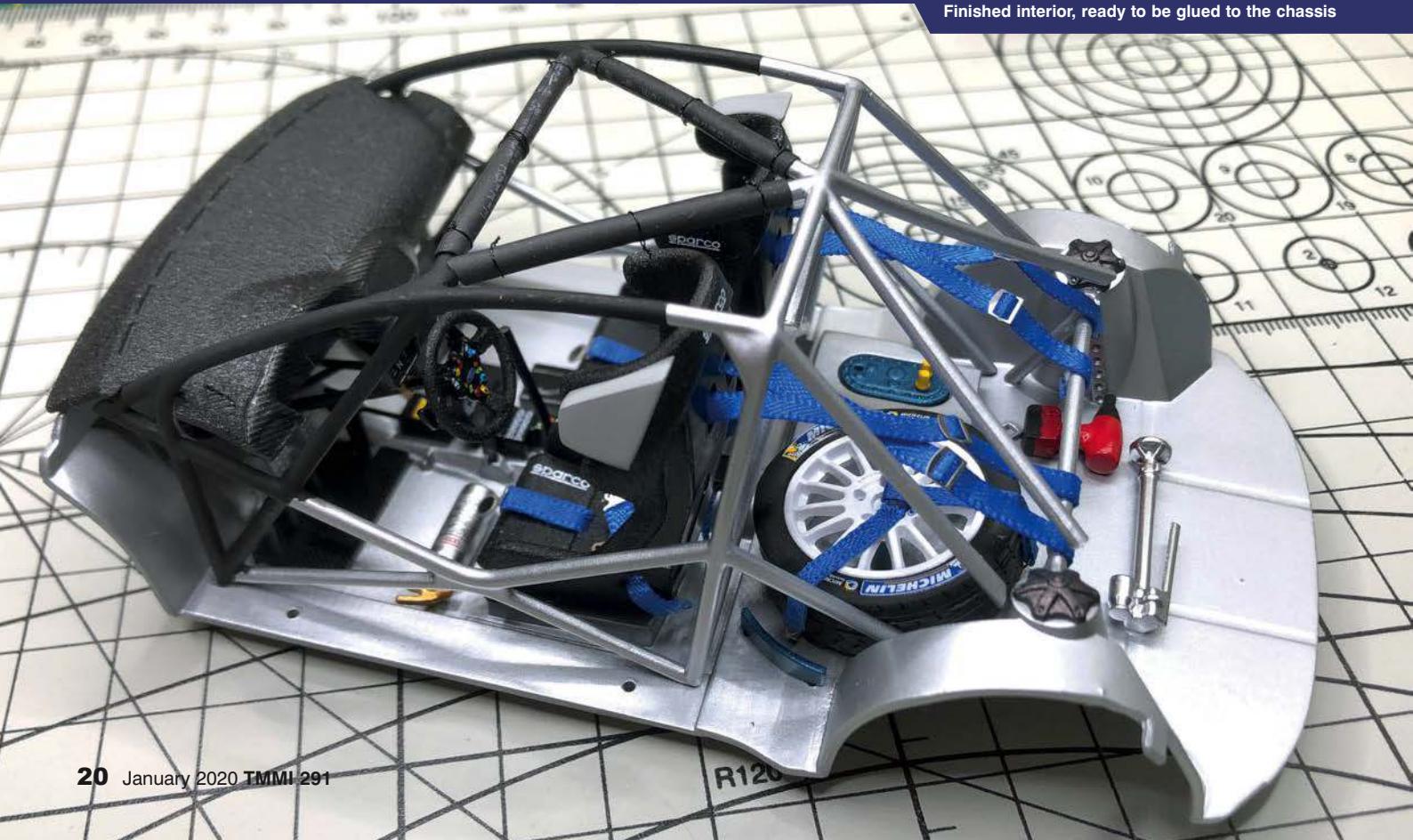
Dry-fitting the seats before gluing the rollcage into place



Installed the racing harness using PE buckles from the kit and aftermarket silk ribbon for the seat belts



Finished interior, ready to be glued to the chassis





Body painted in Motip Gloss Black as a base for Zero Metal Aluminium



Body painted in Zero Metal Aluminium and cleared with 2k Diamond Clear



Zero Metal Aluminium. It's similar to Alclad 2

varnish. Easier said than done. So I came up with the idea to cover the 'bull' logos by making templates from masking tape. I gave the body a coat of 2k Matt Clear from Zero Paints and removed the tape almost immediately after clear was applied, which worked really well.

After an overnight drying I returned to the body and noticed there were some lines between the matt and diamond clear. So sanded them down with Micro-Mesh and polished them out with compound. That was a big no-no. I didn't know that when you polish matt clear,

it turns into a glossy finish! So after talking with a few friends from my modelling club, I masked off the flag and number on the roof again and gently scuffed the surface with Scotch-Brite and a lot of water. It went matt again, but I gave it a polish with Meguiars 105 compound and achieved a semi-gloss finish, which is perfect for my needs, because a real wrapped car is not always matt, more like somewhere between matt and semi-gloss. So I was pleased with the result.

Next up was dry-fitting the windows so I could

mask them off, to paint the trimmings semi-gloss black. No major problems there, just a slight hitch with the front and rear windscreen was in one part and didn't fit. I made a cut in the middle and checked it for fit. Next up was to paint the wheelnuts with Titanium Silver from Tamiya and give them a colour-wash with Tamiya Black Panel Line Accent Color and then mount the tyres onto the wheels. The lenses of the front and rear lights were masked and painted with Mr Color Black for the front lights and clear red for the rears. ☺



First two big decals were applied using UMP's 'strong' decal setting solution

All big and matt decals were applied using UMP solution and some heat from a hairdryer



“I didn't know that when you polish matt clear, it turns into a glossy finish..!„

FULL-BUILD: MODEL MOTOR SPORT

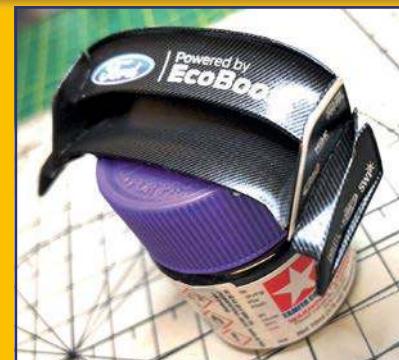
BELKITS 1:24 FORD FIESTA RS WRC 2017 SEBASTIEN OGIER ● KIT NO.BEL012



Night-stage spotlights were decalled with Belkits carbon-fibre decals, ready for a clear-coat and further detailing



The rear wing is seen here painted in Motip semi-gloss black, ready to be decalled with Belkits carbon fibre



Rear wing fully decalled and ready for 2k matt clear

Front grille decalled with Belkits' own carbon-fibre effect decals



Mini Review...



MIG PRODUCTIONS 1:35
DISPOSABLE BARRELS
& CANS
www.migproductions.com

Diorama accessories of all types are always welcome, especially if they are of high quality. That's certainly the case with these two new sets from Mig Productions, which offer heaps of resin goodies that are perfect for modern-era dioramic scenes and vignettes. In the cans and barrels set, we have twenty-one castings representing different types and sizes of plastic drums, jerrycans and bottles and the barriers set provides thirteen 'jersey' type barriers. Detail is pin-sharp and the castings flawless.



The Red Bull logos were masked off to apply a fine coat of 2k matt clear

● FINAL ASSEMBLY

Firstly, I fixed the front and rear windshield moulding in its place and glued it with Tamiya Craft Bond. Next up were the front and rear light reflectors. I didn't paint these, I just left them stock, because they are 'chrome' plated as standard. I installed the ventilator onto the front windscreen and married the chassis to the body. No problems there. I mounted the wheels to see if the model was on all fours. It was, so I could proceed to the next step. I glued in the side windows and left them to dry for a few hours. The same goes for the headlight lenses and rear lights. I installed the photo-etched aero parts on to the splitter and sides of the body. The



door handles were fixed in place with some CA glue, as were the grilles in the front and bonnet.

I gave the whole car a good clean once everything

was dry, fitted the cameras and antennae on the roof. The latter were brush-painted with Vallejo black. Finally, I applied the window decals with names,

number and sunscreen, attached the rear-wing and the night-stage lights to the bonnet. The side mirrors and some PE fasteners and bolts finish off the model. ◉



Completed rear. Headlights were painted with Mr. Color Clear Red and attached with Tamiya Craft Bond PVA glue

FULL-BUILD: MODEL MOTOR SPORT

BELKITS 1:24 FORD FIESTA RS WRC 2017 SEBASTIAN OGIER ● KIT NO.BEL012



TECHSPEC...

BELKITS 1:24 FORD FIESTA RS WRC 2017
SEBASTIAN OGIER KIT NO.BEL012

Materials;

Injection-moulded polystyrene, polycaps, photo-etched metal, synthetic rubber tyres, waterslide decals

Paints used

- UMP primers white, grey and black
- Motip gloss and semigloss black
- Zero Paints Metal Aluminium, Metal Chrome, Gunmetal, Titanium Gold, 2k Diamond Clear, 2k Matt Clear
- Mr Color Black, Clear Red
- Tamiya TS-17 Gloss Aluminium
- Vallejo Model Color Black, Red

Availability;

- Belkits models are widely available from good model shops and online. UK import and distribution by The Hobby Company; www.hobbyco.net
- UMP (Ultimate Modelling Products); www.umpretail.com
- Zero Paints: www.hiroboy.com

FINAL THOUGHTS

I'm very pleased to call this model done. I had been a great journey, because of the double-finish (gloss and matt) livery. Personally, I think it's a great kit; no major problems were found and it went together like a dream. It was a bit challenging sometimes,

but with some tips from my friends I managed to build it. Is it perfect? No. Far from it, but am very happy with the result. I did some new stuff and it came out better than I could have dreamed. Belkits made a great kit, one of the best I have built so far. On to the next!

SPECIAL THANKS

I want to thank UMP (Ultimate Modelling Products) for sending me a box full of goodies, including a complete set of their setting solutions and so much more. UMP's setting solutions are excellent and I am definitely going to

use them more often. I also want to thank the guys at Belkits for sending me three different sets of their carbon-fibre effect decals. They are excellent, and in my opinion the best I have ever used. Finally, a big 'thank you' to the Editor for this opportunity. ●

Belkits have done a great job in capturing the Fiesta's profile in 1:24



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A MATILDA FOR THE MOTHERLAND!

Sungjun Jang uses AMMO by Mig's Russian 4BO Modulation
Set to finish Tamiya's 1:35 Red Army Matilda tank

As a result of WW2 Germany's 'Operation Barbarossa' in June 1941, the Red Army lost vast numbers of tanks, with some sources suggesting between 5,000 and 15,000 vehicles destroyed or damaged beyond repair. The latter figure represents half of the Soviets' entire tank reserves at the time. In an attempt to fill the huge gaps left by this conflict, Great Britain and the United States instigated the 'Lend-Lease' agreement with the Soviet Union, providing tanks, trucks and massive quantities of other matériel, much of it delivered via the Arctic Convoys, which took the extremely hazardous Arctic and Barents Sea routes to the ports of Murmansk and Archangelsk in the USSR.

Along with the little (and obsolete) Tetrarch, the Valentine, Churchill Mk.III and Universal Carrier, quantities of the Matilda II soon found themselves in the hands of the Soviet forces. Over 1,000 Matilda IIs were shipped to the Soviet Union between 1941 and 1943 but fewer than 920 were actually received by the Red Army, many having been sent to the bottom of the Arctic Sea by Kriegsmarine U-boats.

TAMIYA'S 1:35 MATILDA

When I first saw the Matilda Tamiya box art, I fell in love with the colours. I applied the basic shades using AMMO by Mig's Russian 4BO modulation set A.MIG-7004.

I created the applied shading and highlighting with various kinds of oil paint products; raw umber, burnt sienna, dust, dark mud, field green, white and others. I repeated this until the I was satisfied with the results. Over this, I used various pigments, such as Europe Earth, Russian Earth, Rubble, Dust and Light Dust. ●





FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 INFANTRY TANK MATILDA MK.III/IV "RED ARMY" • KIT NO.35355

Tamiya's 'new' Matilda was issued in 2009 and the Soviet Lend-Lease version released in 2017. We see the kit here in its unpainted state



Alongside a bottle of AMMO by Mig liquid cement, the Matilda reveals its diminutive size



In this view we can see the stencilled turret number and star, intentionally given a little over-spray for realism



The tank was given extra weathering to depict the harsh conditions in which the real machine would have operated



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FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 INFANTRY TANK MATILDA MK.III/IV "RED ARMY" • KIT NO.35355



Here we can observe soot build-up (from a leaking exhaust perhaps?), plus a layer of dust on the deck's horizontal surfaces



Rust aplenty on the exhaust system! This is where weathering pigments really come into their own, creating a realistically dusty, flaky effect



The combination of light rusting, paint wear, polished metallic edges, dust build-ups and surface staining have brought the model's frontal area to life



TECH SPECS...

TAMIYA 1:35 INFANTRY TANK MATILDA MK.III/IV 'RED ARMY' KIT NO.35355

Materials;

Injection-moulded polystyrene, aluminium gun barrel, waterslide decals

Paints used:

AMMO of MIG Russian 4BO modulation set
A.MIG-7004

Availability;

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- AMMO by Mig: www.migjimenez.com



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- 14 marking options

- Eduard Brassin exhaust stacks (2 sets - regular & with fairings) and wheels (2 sets)
- PSP display base - Perforated Steel Plates 1/48

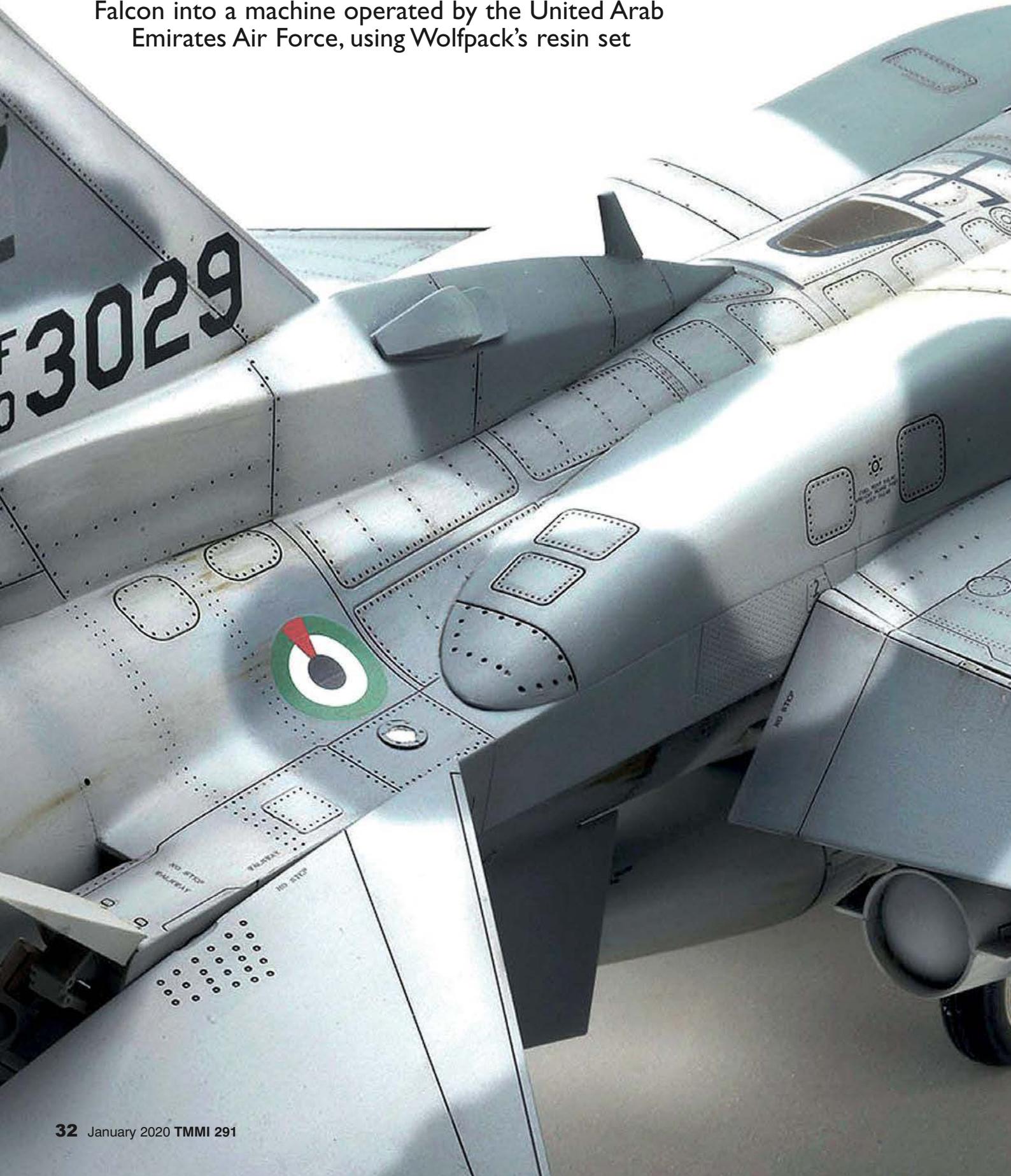
**DECEMBER
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FULL-BUILD: MODERN ERA JET FIGHTER
TAMIYA 1:32 F-16 CJ BLOCK 50 • KIT NO.60315

DESERT FALCON

George Johnson converts Tamiya's stunning 1:32 F-16 Falcon into a machine operated by the United Arab Emirates Air Force, using Wolfpack's resin set





FULL-BUILD: MODERN ERA JET FIGHTER

TAMIYA 1:32 F-16 CJ BLOCK 50 • KIT NO.60315



An Eduard PE seat detail set was used in the cockpit

According to Defence Industry Daily, "The UAE invested almost \$3 billion into research and development for the F-16 E/F Block 60 Desert Falcon. First flight took place in December 2003, and flight testing by Lockheed Martin began in early 2004. UAE pilot training on the F-16E/F began at Tucson Air National Guard Base, AZ in September 2004, and the first group of pilots completed their training in April 2005. The first Desert Falcons arrived in the UAE in May 2005."

This version of the venerable F-16 is the most advanced in the world and it has been described as the lower-budget alternative to the F-35. I decided to build this version because as always, I like more unusual subjects and this was no ordinary F-16 with its conformal fuel tanks and its array of sensors, antennae, plus very cool paint scheme.

THE BUILD

The build started out with the cockpit. I made the decision to keep the really excellent and well-detailed Tamiya seat and enhanced it a little by adding a set of Eduard pre-printed PE belts and placards. All the dials, instruments, buttons and switches were painted by hand using Vallejo acrylic paints. The Tamiya kit cockpit offers a tremendous amount of detail that didn't require the need to use a resin replacement. The canopy was going to be left in the closed position, so I didn't see a need to augment the opening mechanism. The cockpit assembly was weathered with an Ammo of Mig Deep Brown panel line wash and finished off with a couple of powdered pigments from the same line.

Like just about every other F-16 kit out here, the only fiddly area was the intake. That area required some filling and sanding to smooth

out the joins. I used two-part Tamiya polyester putty for that. It cures quickly and sands relatively easily. This required several applications followed by judicious sanding to get everything to blend together nicely.

Just as in my Chilean F-16 build (coming to TMMI soon), I used what references I had at the time to replicate the details of the Desert Falcon. This is where the Wolfpack set came in as it provides all the necessary scoops, antennae, IRST, nose and targeting pod. I ended up not using the nose because it was warped and didn't fit as well as the kit part. The Wolfpack resin replacement is pretty similar, but includes a small, shallow well for the infrared pod. This was easily reproduced with a small amount of Tamiya two-part epoxy and a little sculpting and sanding. I also used the well detailed Aires exhaust set that I base-painted with

Alclad 2 black followed by Aluminum, Pale Burnt Metal, Magnesium, Steel, and Jet Exhaust on the outside with white, off-white and Jet Exhaust on the inside to replicate the roasted ceramic coatings.

I kept the kit landing gear bays and added some additional plumbing and electrical wiring with various diameters (0.010" and 0.015") of lead wire. You really have to struggle to see all this extra detail because tanks and doors get in the way. I painted these white, then picked out some of the details with Vallejo acrylics, and applied Mig Deep Brown panel line wash. I added hydraulic lines to the gear legs as well using 0.010 and 0.015 diameter lead wire. The tail required a little adjustment as the Wolfpack set adds a wide base to it. It was cemented using thick cyanoacrylate glue, holding it in place perfectly vertically while it cured. ▶

“The Tamiya kit cockpit offers a tremendous amount of detail that didn't require the need to use a resin replacement...”



A targeting pod from the spares box was used



The Aires resin exhaust nozzle carefully masked and painted with Alclad metallic paints. The kit part is just as good



A simple addition of lead wires enhance the wheel-bays



The kit provides an excellent weapons set



The Two Bobs UAE decal sheet provides a splash of colour to an otherwise monochromatic paint scheme

FULL-BUILD: MODERN ERA JET FIGHTER

TAMIYA 1:32 F-16 CJ BLOCK 50 • KIT NO.60315



Camo was painted freehand with an Iwata HP-B airbrush



PAINTING

After wiping down the model with a digital camera sensor cleaning tissue moistened with a couple of drops of Tamiya X-20A thinner, I sprayed the entire model with Alclad Grey Microfiller/primer diluted with a little Sig Nitrate Dope thinner. This thinner appears to provide harder paint surface and adheres to the surface of the plastic better by slightly softening it, but it can be very aggressive and the fumes are pretty nasty, so I've stopped using it. I

pre-shaded along panel lines and rivets using a mixture of Tamiya black, grey, brown and green, red, yellow, blue, and whatever other colour is available from leftover paints. It all goes into a small jar and the resulting colour looks like a dark shade of mud. It's actually pretty versatile stuff and it avoids disposing of leftover paint. Besides, it's for pre-shading and the dirtier the colour looks, the better.

I really couldn't find an accurate paint match to anything available

commercially at the time, so I opted to mix my own colours using several Tamiya paints. For the lighter grey, I used a mixture of XF-2 Flat White (three parts), XF-53 Neutral Grey (one part). The darker grey was Tamiya XF-66 Light Grey (five parts) and XF-2 White (one part). The camo pattern was sprayed freehand using an Iwata HP-B airbrush between 12-14 PSI (90kPa, .9Bar) pressure.

I let everything cure for a couple of days before I sprayed a clear coat of Alclad 2 Clear only over the

areas that were receiving decals. I applied the clear in two light dust coats, let that dry, then followed up with a heavier wet coat. This was done to minimize any build-up and resulting loss of detail. I let that dry for a few hours and applied the excellent Two Bobs decals. I gave everything a coat of Alclad 2 matt clear after the decals dried completely. The smooth, relatively flat areas under the decals, combined with the smooth gloss finish resulted in me not using any sort of decal setting solution. ▶



Fuel streaks were added to the underside using Mig Fresh Fuel Stains

FULL-BUILD: MODERN ERA JET FIGHTER

TAMIYA 1:32 F-16 CJ BLOCK 50 • KIT NO.60315



WEATHERING

I chose not to overdo the weathering, since my references at the time showed relatively new planes in the inventory. I used several shades of Mig Productions panel line washes depending on where they occurred on the plane. Brown shades were used on the bottom around the engine, and more neutral greys and blacks

along the top. I added fuel and hydraulic fluid leaks here and there, especially on the wing tanks. Tyres and landing gear received slightly heavier applications as they would appear that way naturally.

ARMAMENT

I used the kit-supplied weapons for this model. The level of detail in these little gems is really

outstanding and with some careful painting and decal application, transforms them into little works of art. I didn't use the resin targeting pod that came with the Wolfpack set because it was slightly warped and the clear lens was cast in clear resin and wasn't all that transparent. Instead, I found a similar one in my spares stash. The final little details such as navigation lights, AoA sensors and

anything that could be broken off by my fat fingers were attached at the very end.

CONCLUSION

The Tamiya F-16 CJ is an excellent kit that I highly recommend to fans of the F-16. I'm quite sure that my version is not 100% accurate, but that doesn't really matter. It was an enjoyable build, and it's won several awards. ●

TECH SPECS...

TAMIYA 1:32 F-16 CJ Block 50 KIT NO.60315

Aftermarket items used:

Aires Exhaust, Eduard PE Seat Belts, Wolfpack UAE F-16E Block 60 conversion (WP32026) for Tamiya, Two Bobs Decals

Availability:

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- Two Bobs Decals: www.twobobs.net
- Wolfpack: www.wolfpack-d.com





NEW MODEL KIT



1/16
A.MIG-8503

Panzer I BRED A

In October of 1936, the first batch of *Panzer I Ausf.A* arrived in Seville (Spain) to form the first three companies established at the beginning of the Spanish Civil War. This iconic vehicle used by the national side during the *Civil War* has a fascinating history. This specific version was modified with the installation of the *Italian Breda 20mm machine gun*, giving rise to the *Panzer I Breda*.

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KIT PREVIEW: MODERN STREET CAR

TAMIYA 1:24 TOYOTA GR SUPRA • KIT NO.24351

SUPRA SUPRA

The latest addition to Tamiya's long-running 1:24 Sports Car Series depicts the fantastic new Toyota GR Supra, a car that's making quite a splash in the 'real' automotive world



The kit is an engineless 'curbside' model with its bonnet moulded closed, which is preferred by many modellers. When viewed from below, the lack of a powerplant is a non-issue as the engine's undersurfaces are covered by a crash-panel anyway and the suspension elements, brakes and wheels cover the view from the sides.

The rear suspension builds up into a nicely detailed sub-assembly that simply drops onto the underside plate. The front set-up is a less complex affair that incorporates the aforementioned crash-panel and features steerable front wheels, naturally. The top-end 'RZ' spec car comes with very distinctive two-colour wheels that would be quite a challenge to paint neatly in model form. Tamiya have stepped in with some nifty moulding technology that combines a brightly plated wheel with a plain black insert that together, create the two-tone look. In the cabin, the modeller is offered the option of left or righthand drive layouts (left/right windscreens-wipers are provided too) plus a tiny but very crisp Toyota logo for the steering wheel hub. The latter item is formed from fretless and plated photo-etched metal and the mirror faces and bodywork badging are formed this way too.

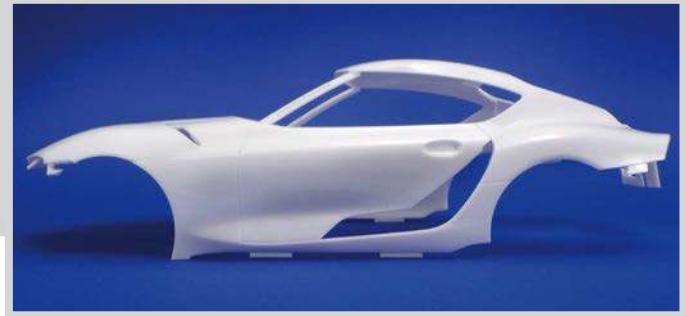
Another way Tamiya help the modeller achieve neat results is with the inclusion of a sheet of pre-cut window masks for the inside and outsides of the model's clear parts. These masks are easy to use and really make a difference. The new Supra is a handsome beast and Tamiya's new kit represents it beautifully in 1:24. Full-build feature coming soon to TMMI! ●

Availability:

Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net



AI!



The tyres' treads
are superbly well
moulded, but the
sidewalls are blank



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EDUARD, CZECH REPUBLIC

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

Eduard are building up a nice line of 1:35 small-arms in their 'Brassin' resin line and this has recently expanded to include the British Sten submachine gun and the US M1 Carbine. Excellent detail and pre-coloured photo-etched slings are included where appropriate.

BRASSIN 1:72

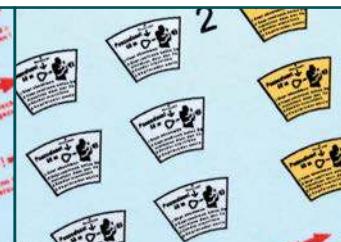
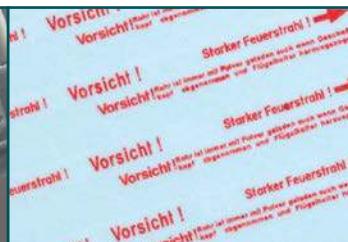
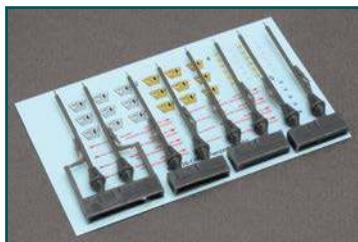
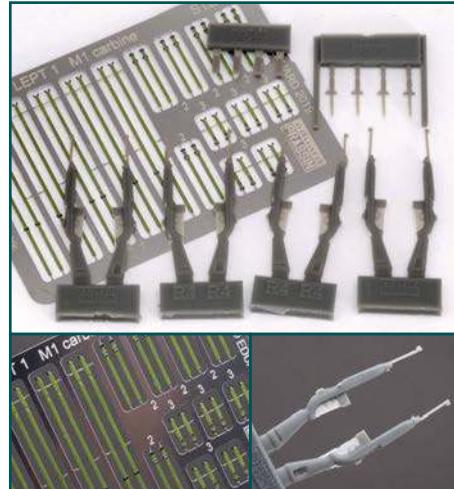
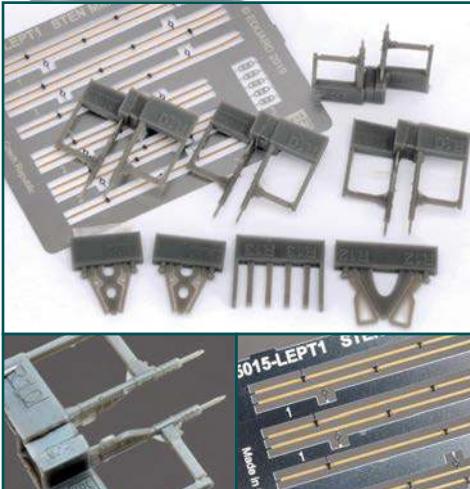
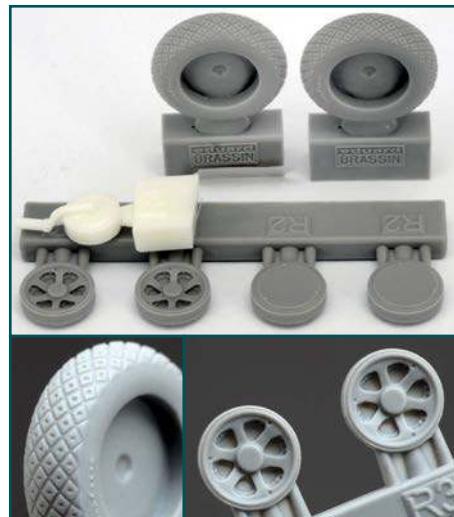
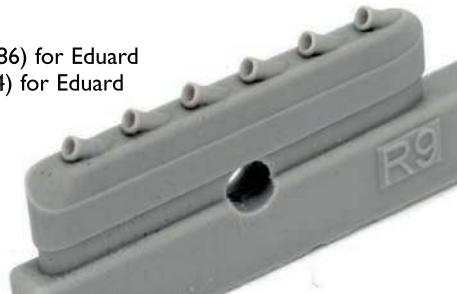
- P-47D wheels (672221) for Tamiya

BRASSIN 1:48

- P-51D Mustang exhaust stacks w/fairing (648486) for Eduard
- P-51D Mustang wheels diamond tread (648494) for Eduard

1:35 BRASSIN

- StG44 assault rifle x8 (635013)
- M1 Carbine x8 (635014)
- Sten Mk.II submachine gun x8 (635015)
- Panzerfaust 60 x8 (635016)



BRENGUN, CZECH REPUBLIC

www.brengun.cz

The AN-M57A1 250lb was a bomb carried by many US aircraft in WW2 and to have a set of four highly detailed 1:32 replicas in resin and photo-etched brass (the latter not shown) is most welcome. Excellent casting and detail.

1:32 US 250LB AN-M57A1 BOMB



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LIVE RESIN, RUSSIA

www.live-resin.com

Live Resin have been busily working to create a series of nine (so far) modern Russian soldier figures, suitable for placing on and in vehicles such as the BTR-60, Kamaz Typhoon K or Tiger-M. Each figure is individually and naturally posed, with held or slung rifles. All are cast in fine green/grey resin and the detail is fantastic. In one or two places we can just see some of the layer-lines created during the 3D sculpting process, but they will disappear under a layer of paint and colour-washes etc. Superb figures for modern Russian combat dioramas.

1:35

- Russian soldier(s) in modern infantry combat gear system, reversible camouflage suit version (LRM-35040-46)
- Russian Army APC driver in modern infantry combat gear system (LRM-35047)



MASTERCLUB, RUSSIA

www.masterclub.ru

MasterClub have offered a range of track sets for 1:35 AFVs for some time now and the company has gained reputation for high quality and accurate detail. More recently, they have ventured into the world of 1:48 armour, for which Tamiya is the flag-bearer and the results are spectacular. Two new sets have been created, one for the KV-1 and KV-2, both of which have been produced in kit-form by Tamiya, plus a set for the JS-2 (IS-2) series. Each link is cast in a metal alloy and instead of the wire supplied in other makers' sets, we are provided with individual track pins in resin. Fantastic quality and detail.

1:48

- KV-1, KV-2 (MTL4801)
- ISU-2, IS-3, ISU-122, ISU-152 (MTL4802)

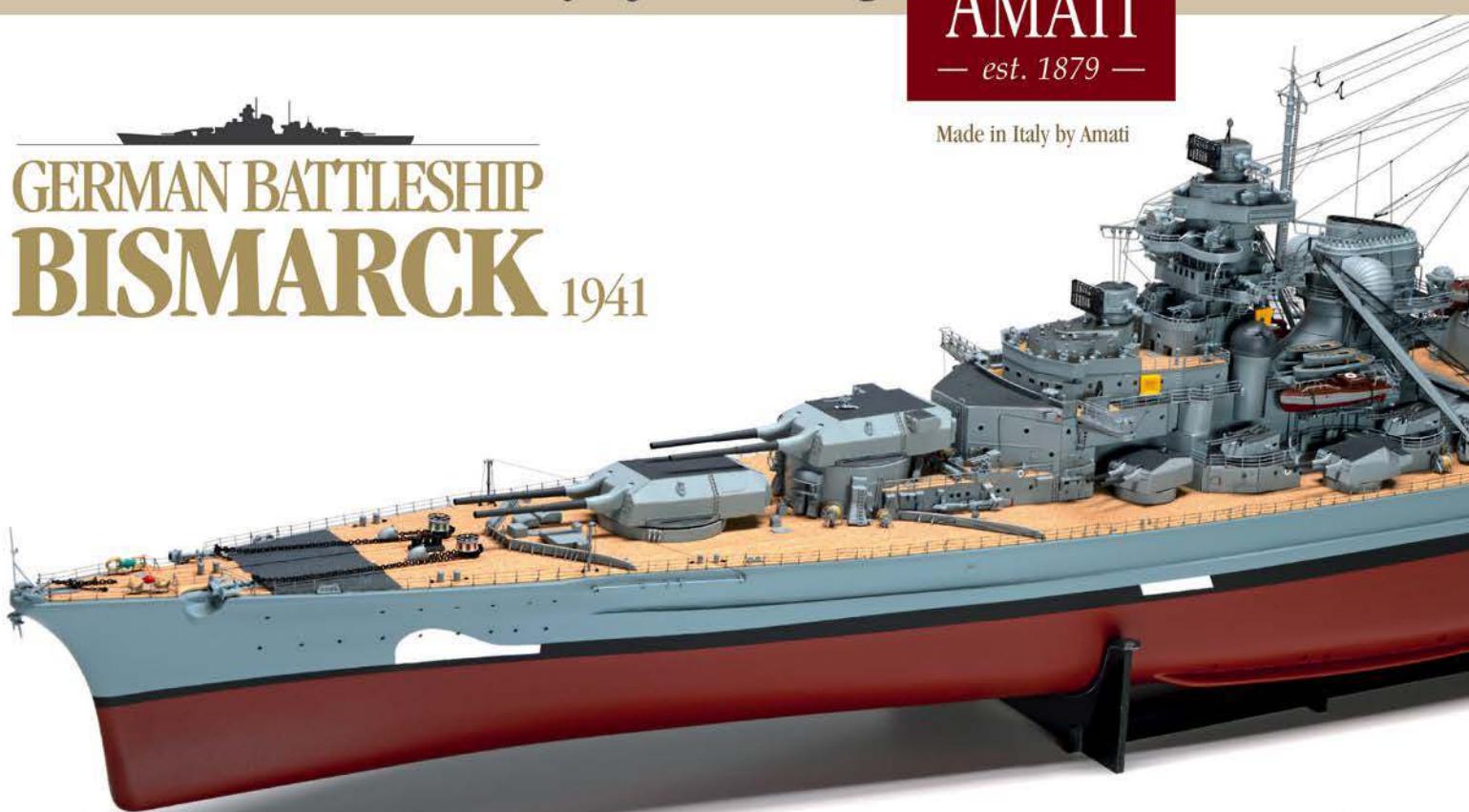


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1:200

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AMATI - Via Piacenza, 3 - 10127 - Torino, Italy • store.amatimodel.com

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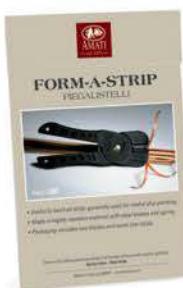
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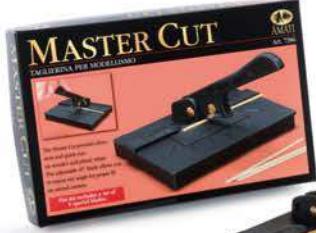
Item 7380
Loom-a-line



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Item 7381
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Item 7386
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REVELL, GERMANY

HORCH 108 TYPE 40

www.revell.de/en

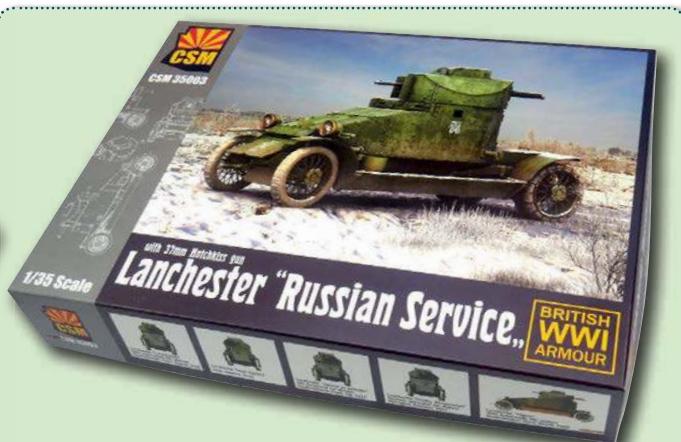
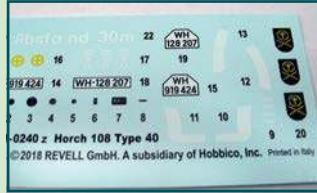
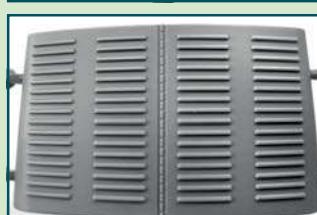
SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO. 03271

In the lead up to WW2, Germany looked at having specific classes of standardised vehicles, and this kit represents the Heavy Personnel Car made by Horch. The same class of car was made by Steyr and Mercedes, and Tamiya released the earlier version of the Horch car back in 1975. This latest model of the Horch was originally released by ICM, and Revell has re-boxed this excellent kit. The Type 40 version differed from Tamiya's early Type 1 by having a wider body, with the spare wheel(s) inside the body instead of on the outside, plus other simplifications of manufacture.

The moulding of this kit is outstanding, and the fit of parts is excellent. Overall, it shows how much the level of detail has improved over the last 45 years, with many parts on this Revell kit looking more refined than the old Tamiya kit. The newer kit has a full engine and chassis, plus very detailed seats with slight texture. Revell provides vinyl tyres, which have some advantages, although other modellers may choose to use aftermarket resin wheels with more detail. Decals are provided for cars in two panzer divisions in Russia, 1943-44, and these vehicles are in the typical colour scheme for the period. Overall, this is a lovely kit, straight from the box, and will look great with a crew and stowage. **CLS**

+ A really super model of a classic heavy car

- Some modellers are wary of rubber (vinyl) tyres on their models



COPPER STATE MODELS, LATVIA

LANCHESTER 'RUSSIAN SERVICE'

www.copperstatemodels.com

SCALE: 1:35 • MATERIALS: IM, WS • ITEM NO. CSM 35003

The Imperial Russian Army purchased twenty Lanchester armoured cars from Britain in 1916, and 19 of these were soon fitted with a 37mm Hotchkiss gun so that the cars could be used on a much wider range of missions. The Vickers machine gun was re-fitted into the small hatch at the rear of the turret, giving the car the most unusual appearance with guns firing to the front and rear of the turret. Other changes were made to the rear deck and mudguards. This kit follows on from CSM's first kit of the Lanchester, which proved to be extremely popular. The Russian version uses almost all of the original parts, with a new sprue providing the new gun, top vent, and rear deck parts, providing everything to make an accurate kit of the Russian Lanchester. The quality of the moulding is excellent, and the wire wheels are amongst the best available in plastic. The fit of parts is extremely good, and the relatively simple model goes together very easily, to give an excellent appearance. These cars were painted overall dark green, and photos show them quite well worn and dirty. There are decal options for six different cars, giving a wide range of options. CSM has released three Russian figures to accompany the car. This is a really unusual and visually striking kit, and very much recommended. **CLS**

+ A very unusual looking kit of a WW1 armoured car, well moulded and very accurate

- Other than one missing strap, there are literally no negative points at all!



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



ICM, UKRAINE PZ.KPFW.T-34-747(R)

www.icm.com.ua

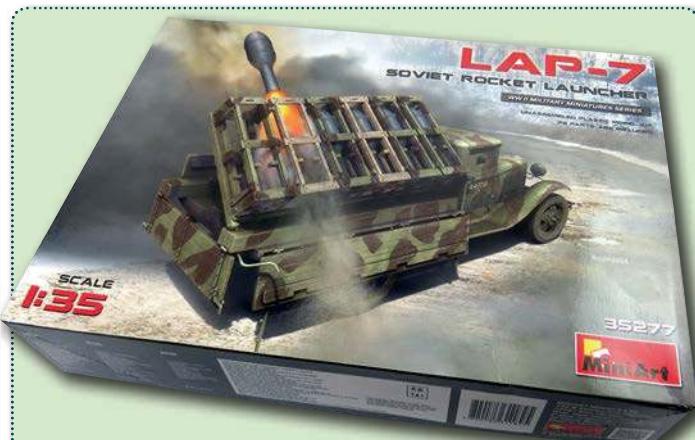
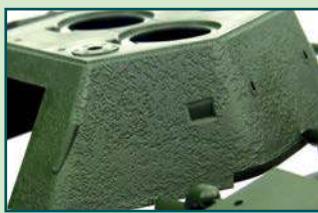
SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO.35370

What we have here from ICM is a T-34 that has been taken into German service during WW2, as a Beute (captured, booty) tank. These were sometimes modified for Wehrmacht use, but often were simply painted with large recognition crosses and sent back against their previous owners!

There were significant numbers of beute-T34's in use with the German army, and they received an official designation of 747(r). In this kit, the version is a mid-war 3-man turret, with perforated wheels – the centre three wheels having no external tyre. The kit contains the basic T-34, and modellers could easily choose to keep this as a Soviet vehicle, but there are additional parts for semi-standardised stowage boxes that were fitted to each side of some captured tanks. Given the life-expectancy of these beute tanks, it is hard to see why it was worthwhile! Option 1 in the box is for an unmodified vehicle, fitted with additional fuel tanks to the rear. The other three options use the side boxes. The kit itself has some good features, such as cast texture on the turret and some basic interior details. In other respects the kit is a bit simplified in places, with missing details. The 2-part vinyl tracks are apparently glueable, but it is hard to get the typical sag in the track run. A good starter kit of the T-34, with interesting options. **CLS**

+ The wheels are particularly well moulded, with very fine ribs and details

- Many modellers will not be happy with the solid mesh screens



MINIART, UKRAINE LAP-7 SOVIET ROCKET LAUNCHER

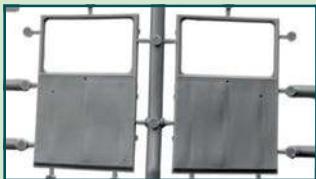
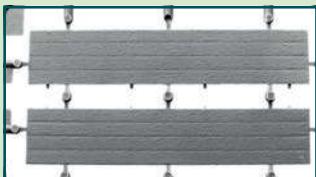
www.creativemodels.co.uk

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.35277

During the long siege of Leningrad, the Soviet forces were able to capture a number of German weapons, including a number of Wurfgerät 28cm and 32cm rockets. Leningrad factories even began to manufacture copies of these rockets. To provide a mobile launch platform, six rocket crates were mounted sideways on a standard GAZ-AA truck, with a crude elevating system, and this was named LAP-7 (roughly Leningrad Artillery Poligon -7). One photograph has emerged of this combination, and it is said that seven were built. This kit takes the superb GAZ-AA truck from kit 35124, mates it with the rockets from kit 35273, and adds in an elevating system. The parts are all excellent, and show the high quality of MiniArt kits. The GAZ truck goes together beautifully, and the parts are present in the box to make the truck up as a standard vehicle if desired. The rockets are also very good, but the crates have an excessive woodgrain that is too exaggerated. The kit has decals based on the single photograph, with two proposed camouflage schemes – autumn and winter 1942 – and one set of registration numbers. The wooden rocket crates are shown camouflaged, but as they were largely disposable, they would surely be in bare wood. The blast protectors for the cab windows and the canvas roof are not provided. All in all, a very unusual and eye-catching kit! **CLS**

+ Excellent base kits to create a very unique and striking model

- It would have been nice to have decals for the Wurfgerät rockets



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DRAGON, CHINA

US M4A1 DV

www.hobbyco.net

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.6618

The M4 Sherman is one of the best known of all tanks, and this kit represents an early cast-hull version, with the early style of VVSS suspension, which was seen on the M3 Lee tanks, and also the Direct Vision devices on the glacis. Within a short time, these features were to be replaced, as the suspension needed taller springs, and the DV slots were vulnerable areas on the front of the tank. The decals supplied with this kit are appropriate for North Africa and Sicily, where these early Shermans were widely used. For a number of years, Asuka/Tasca has set the standard for Sherman models, but this Dragon kit surpasses these in many respects. The kit is so astonishing that I simply wanted to make it instead of taking photos! The hull and turret have subtle texture to represent the casting process, and the detail on every part is as sharp and precise as possible, right down to tiny casting numbers on the three-piece transmission cover. Even the individual track links have wear marks on the track pads! The kit is accurate in every way for the time period, and is complete with the rails on the rear deck, seen in Tunisia, and the early fabricated grouser covers. The kit offers a lot of choices – both types of 75mm gun, different mantlets, and so on – the modeller needs to carefully check reference photos of particular vehicles before making a selection of parts! **CLS**

+ Stunning accuracy, detailing, and standard of moulding

- It is difficult to think of a single negative.... maybe a wider range of decals?



AIRFIX, UK

HIGGINS LCVP

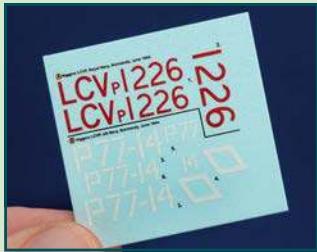
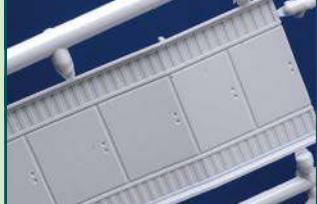
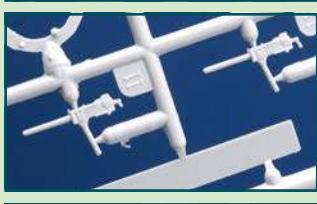
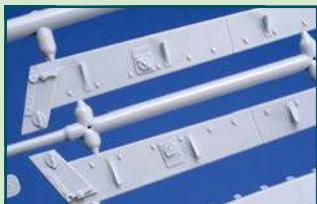
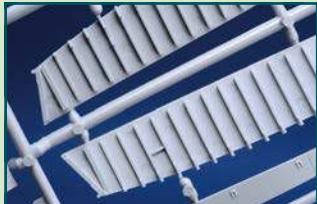
www.airfix.com

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.A02340

The WW2 LCVP 'Higgins Boats' were most famously used on D-Day, June 6th, 1944 to bring ashore thousands of troops to begin the liberation of Europe. These wooden 'Landing Craft, Vehicle, Personnel' (LCVP) were made by the thousand in New Orleans, Louisiana by the charismatic Andrew Higgins and have entered the annals of history as a war-winning piece of hardware. There have been several LCVP kits released over the years in a variety of scales and Airfix launched their 1:72 model in 2014, here with a new boxing. And with one minor reservation, it's a little beauty. The kit comes on three sprues of light grey polystyrene, plus a decal sheet carrying markings for an overall grey US Navy boat and a Royal Navy machine in white, blue, brick red and dark grey. Both options depict LCVPs on June 6th 1944, Normandy. The only slight issue (with our review sample at least) were the two gunwales (parts B4 and B5) which were noticeably warped along their whole lengths. With a little manipulation, they should be easy to straighten, but it is a shame they were distorted. The rest of the kit is outstanding; the internal ribs are provided within the main hull sides, the exterior armour is depicted in detail and the propeller, life-rings and steering wheel are nicely moulded. **MN**

+ Iconic subject, good detail

- Some warping in the gunwales and the figures in the box-art are not supplied



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



REVELL, GERMANY PORSCHE 928

www.revell.de/en

SCALE: 1:16

MATERIALS: IM, SVT, WS

ITEM NO.07656

The Porsche 928 is a bit of a Marmite car; you either love it or hate it. It certainly has a groovy 1980s retro vibe about it, even though production ran from 1978 to 1995. Whatever your feelings, this yuppie-mobile works well in model-kit form and Revell's large 1:16 kit captures its lines very well. The model is pretty much a contemporary of the real '928, being first released back in 1980, with a handful of re-issues since. It's not an over complicated production, but it does come with a reasonably well-detailed engine block and decently depicted suspension, although no effort has been made to represent the disc brakes, visible through those fabulous 'phone dial' alloy wheels. A separately moulded bonnet allows the engine to be seen after the model is finished, but the efficacy of its snap-fit hinges is open to question. The cabin is good depiction of the original, the big leather seats being particularly well moulded. The doors are moulded shut, which preserves the in-scale shut-lines and the overall profile of the car. An enthusiastic modeller might wish to open them up, but cutting the doors from the bodyshell could prove to be a risky business. **MN**

+ A fabulously retro car with a very decent profile and optional pop-up headlights

- Tyre-to-rim proportion looks a little off - the tyres should be slightly lower in profile



RYE FIELD MODEL, HONG KONG

T-34/D30 122MM SYRIAN SELF-PROPELLED HOWITZER

www.tigerhobbies.co.uk

SCALE: 1:35

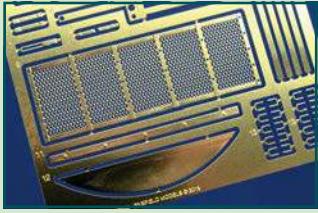
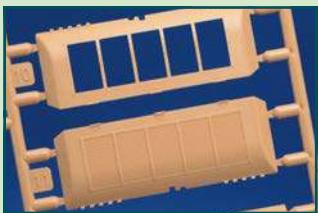
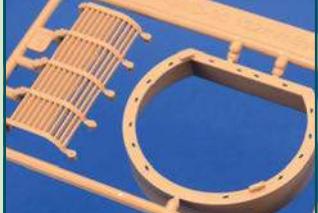
MATERIALS: IM, PE, WS

ITEM NO.5030

Following their turreted T34/122, Rye Field Model have issued a second kit based on their excellent T-34 hull and running gear, this time depicting the odd-looking T-34/D30 122mm self-propelled gun. This curious concoction was utilised by Syrian and Egyptian forces in the early 1970s and whilst the gun crew had no protection at all, it did at least prove to be a very mobile way of offering powerful artillery support for frontline troops. The kit comes with link-and-length tracks which are very well detailed, but are of the glue-together type, not articulated. One of the first thoughts that came into this reviewer's mind was, is there an interior to view through that open turret ring? Well, the answer, sadly, is no, so the modeller will have to drape a 1:35 tarpaulin over the aperture, if they don't want to scratchbuild the fighting compartment. As with the turreted version, the D30 122mm howitzer is very nicely made, with a choice of two muzzle brakes and very finely detailed breech and mount structures. If you can find a solution for the missing interior (purloin one from an Italeri or AFV Club kit?), this is an excellent kit of an unusual vehicle. **MN**

+ A pleasingly weird machine with masses of weathering potential. Great detail

- Open turret ring reveals an empty hull



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BRENGUN, CZECH REPUBLIC P-51 MUSTANG 1A

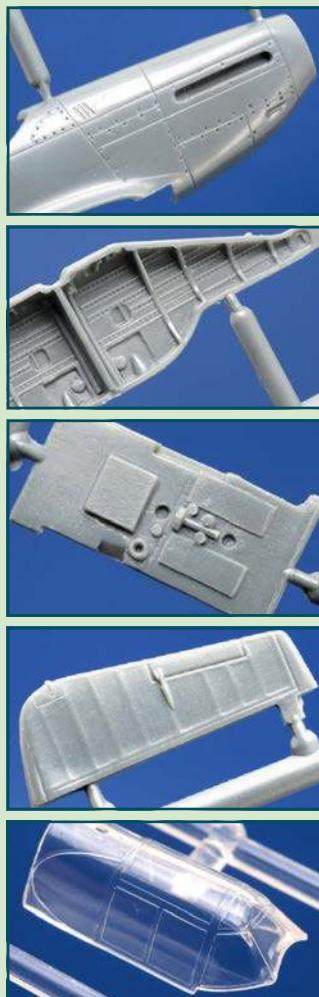
www.brengun.cz

SCALE: 1:72 • MATERIALS: IM, PE, WS • ITEM NO.BRP72037

Brengun's 1:72 kit of the mid-war North American P-51/Mustang Mk.Ia is a lovely little thing, sporting some impressive detail on its injection-moulded plastic parts. It comes with a very decent representation of its cockpit (although the modeller must provide their own seat harnesses) and some nice recessed panel lines and fasteners across its airframe. The wing flaps and rudder are individually moulded, although they will need some modification if you want to fit them off their neutral positions. To obviate the need for tricky cement-seam elimination, Brengun provide the underbelly air-intake as a resin casting and this part is fitted towards the end of main assembly, once the wings are in position. As for markings, we are offered four schemes; one for an RAF Mustang Mk.Ia in Dark Green/Ocean Grey/Medium Sea Grey, plus three USAAF P-51s with Olive Drab uppers and Neutral Gray undersurfaces; Mustang Mk.Ia, RAF 268 Sqn, Odiham, September 1943 'Operation Starkey', P-51 41-37322, USAAF, No.154th Observation Sqn, North Africa 1942, P-51 41-37328, USAAF No.154th, Observation Sqn, North Africa 1943 and P-51 41-37367, USAAF, Anzio, April 1943. MN

+ The Allison-engined early P-51 is a great-looking aircraft and this is a very nice little kit of it

- The modeller must source their own seatbelts, but that's no big deal



Kit Reviews



ZOUKEI-MURA, JAPAN HORTEN HO.229

www.volks.co.jp

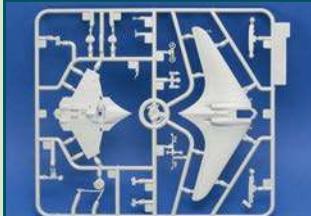
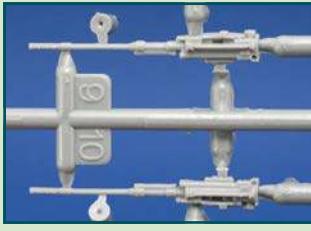
SCALE: 1:72 + 1:144

MATERIALS: IM, WS

ITEM NO.SUPER WING SERIES NO.1 With the release of this combo-kit, Zoukei-Mura now offer the extraordinary WW2 German Horten Ho229 'Flying Wing' in all the main aircraft modelling scales; 1:32, 1:48, 1:72 and 1:144. It's the ideal arrangement, with something for everyone. Or, if you're just a Flying Wing enthusiast, it's a way of having your favourite aircraft in a range of sizes for the display cabinet! Most manufacturers would present a 1:72 Ho229 with a solid wing, all the detail being concentrated in the cockpit. But this is Zoukei-Mura, well known for their detail-mania, so here we get a comprehensive internal structure for the core of the airframe, a pair of detailed jet engines and an amazing cockpit with all the structural elements and ejector-seat in evidence. Also, the wings feature internal ribs and spars, fuel tanks and their plumbing. Incredible! It really is a shame to hide much of this when cementing-up the wing panels, which is why – on the bigger kits – clear panels are provided, not the case here though. The 1:144 kit that partners the 1:72 model in the box is a simpler affair, but no less refined and will make up into a very nice model in its own right. MN

+ A phenomenally detailed kit of this advanced concept aircraft, with full internals and engines

- A little flash is in evidence on the structural parts, but easily removed



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BROKEN AND A DESERT JUNKERS JU88

This kit from Revell is a repackaging of the earlier ICM release, depicting the Ju88A-4 version. The kit comes in a rather large box with attractive box-art, containing eight medium grey sprues and one clear for the canopies. A total of 286 parts makes up this release, making it a fairly manageable project built out of the box. Revell also provide

an attractive colour A-4 manual with clear step by step instructions and a large colourful decal sheet. The kit overall surface detail is crisp and sharp, with all the major panel lines represented. Rivets are present on some select areas. The plastic is relatively soft, which makes it pleasant and easy to work with. The clear parts are thin and free of distortion.

WHAT OPTION TO BUILD?

The Revell kit offers you two decal options, one from KG51 'Edelweiss' and one from KG1 'Hindenburg', both machines in the standard RLM70/71/65 camouflage pattern. However, I decided to build and paint my kit as part of 3./LG1 (Lehrgeschwader) serving in North Africa during 1942. This Ju88 unit



ABANDONED

A-4

Jan Abrahamsson deconstructs the Revell/ICM 1:48 Junkers Ju88A-4 and gives it a faded desert camouflage scheme

served across the Mediterranean and North Africa fronts in both ground attack, anti-shipping and in reconnaissance roles. Having seen several atmospheric photographs of worn out LG1 Ju88s, abandoned and taken apart for spare parts in the desert, I wanted to create a model based on these photos.

CONSTRUCTION AND DETAILING

Even though the Revell/ICM kit has good surface detail, I still felt I needed to add the riveting across the fuselage to better capture the look of the aircraft. Using the scale drawings from several sources I was able to accurately position the rivet lines, using Dymo tape and a riveting tool. This means a lot of work on a bomber in 1:48, but the Revell

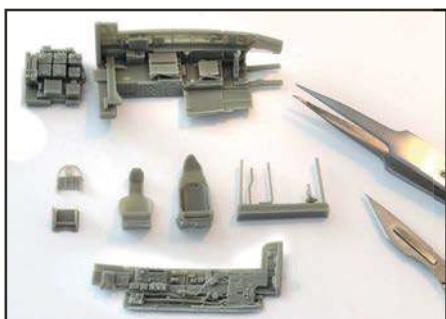
plastic is just soft enough to make it relatively easy to do. The addition of rivets also gives us a good foundation for weathering in the later stages.

To add more detail to the cockpit area I decided to use the Ju88 resin kit from Aires. This is a fantastic miniature of a Ju88 cockpit and really makes this part of the model come alive. I had to sand down the inside



FULL-BUILD: WORLD WAR TWO AXIS AVIATION

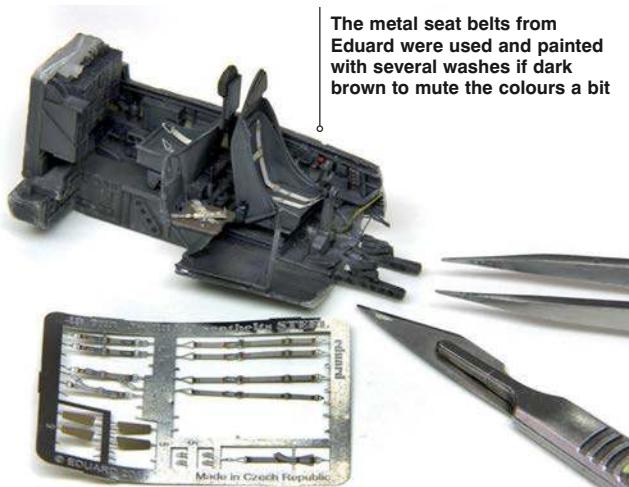
REVELL 1:48 JUNKERS JU88 A-4 ● KIT NO.03935



The kit cockpit is well detailed but the Aires resin cockpit represent a fantastic replacement with a very nice detailing of a Ju88 cockpit



The cockpit was primed in Mr. Surfacer 1500, then covered in the dark grey. Weathering was done with black and brown oils and light metallic drybrushing. Dusty pigments were used on the floor sections since this is a desert aircraft



of the kit using my Dremel tool to make the resin fit, and with some focused efforts it was possible to fit in reasonably well. The Eduard photo-etch interior kit for Ju88 cockpits was also used, adding much detail to the various instrument panels.

To portray an aircraft that had been butchered for spare parts, I decided to leave the left engine off, exposing the nacelle detail in this area. This detail was built up using resin parts from other kits, plastic card/tubing, lead wiring and photographs as reference to give it a reasonably correct and busy look.

Revell is generous enough to provide us with two engines in this kit, and

they are very decent replicas of the real thing. Since the kit also allows you to leave the engine hatches open, you can choose to leave the engine exposed, which I did for the right-side engine. With some added wiring and detailing these engines look great.

Based on reference photographs, most of the maintenance and fuel tank hatches on the wings were drilled and cut open, adding to the feel of a derelict aircraft. I used the CMK resin kits for the Ju88 to add the fuel tank caps and the interior of the emergency hatches at the back of the aircraft that contained the rubber dingy to be used for emergency landings on water. Some plastic sprue and tubing was added



To fit the Aires cockpit into the Revell fuselage required substantial sanding and thinning of the kit interiors. With a Dremel tool this is quick work, but care needs to be taken not to destroy the resin parts

Mini Review...



MATHO MODELS 1:35
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www.mathomodels.com



For modern-era dioramas with crash scenes, road works or damaged buildings, this set of safety tapes will be the perfect addition. The approximately 20cm x 15cm glossy paper sheet is double-sided so the graphics can be seen from all angles and the printing is very sharp. All the modeller needs to do is carefully trim out the strips and position them with PVA glue or similar. Thirteen styles of tape are provided, so there's something for every (emergency) situation!



inside the wings to depict internal structures – even though these were more “modelling gizmology” on my part, not having any real references for the internal parts.

Several of the clear canopy parts were also left off, and the whole rear section of the main canopy was cut out and left off, a quite common occurrence with crash landed or abandoned Ju88s.

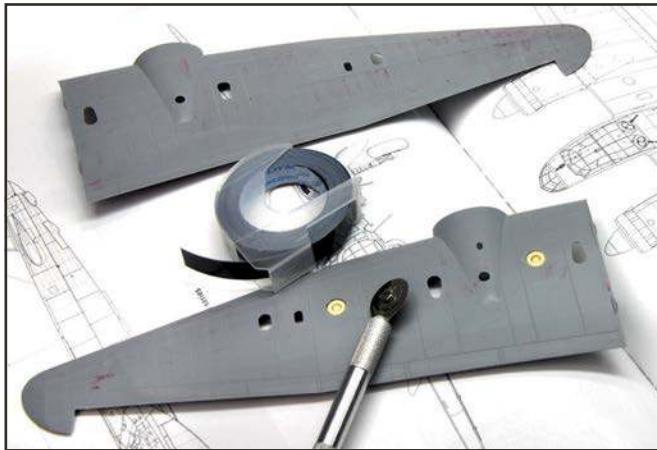
The remaining construction effort is pretty straightforward and the kit goes together quickly. The general fit is good and you only need a minimum of filler and sanding to get an acceptable result. The engineering of the kit is quite intelligent and contributes to the smooth build process. ▶



To leave the left-wing fuel tank space open, the hatch was drilled and cut open. The CMK resin kit was then glued into the wing, which required further sanding with the Dremel tool to secure a tight fit



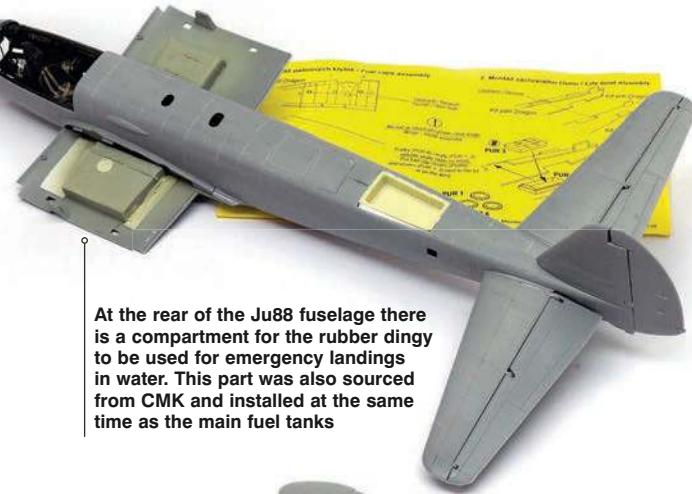
The fuel caps on the upper wing sections were also drilled and cut open, then filled in with the CMK resin kits



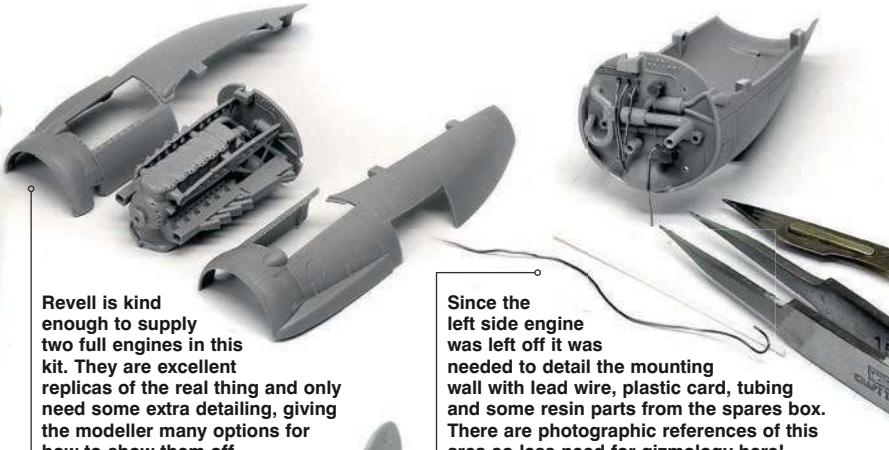
The whole fuselage was riveted using good drawings and riveting tools. For a Ju88 in 1:48 this was really needed to better represent the real aircraft, and also to offer more to work with in the painting stage



Various plastic card and tubing was used to detail the inside of the wings where the hatches had been opened. This was work was more gizmology or guesswork by the author given a lack of detailed photo references



At the rear of the Ju88 fuselage there is a compartment for the rubber dingy to be used for emergency landings in water. This part was also sourced from CMK and installed at the same time as the main fuel tanks



Revell is kind enough to supply two full engines in this kit. They are excellent replicas of the real thing and only need some extra detailing, giving the modeller many options for how to show them off

Since the left side engine was left off it was needed to detail the mounting wall with lead wire, plastic card, tubing and some resin parts from the spares box. There are photographic references of this area so less need for gizmology here!



The main construction of the kit is fast, once the detailing is done. The model was then cleaned using alcohol, and the engine areas sprayed with black paint to give deep shadow as a primer

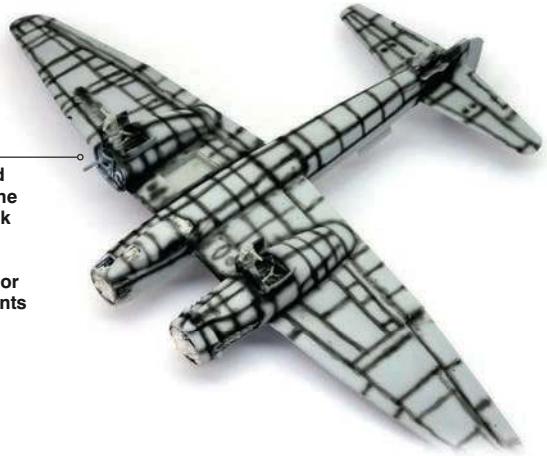
FULL-BUILD: WORLD WAR TWO AXIS AVIATION

REVELL 1:48 JUNKERS JU88 A-4 • KIT NO.03935

The model was primed in Mr. Surfacer 1500, then the primer paint was sanded to check for problems and to produce a smooth surface for painting to follow. Some of the riveting detail has to be restored after this



The painting started by pre-shading of the fuselage using black paint. The first step was to spray all the panel lines and major structural components



The second step of pre-shading was to fill all the sections with scribbles of black and white paint to produce a varied tonal foundation in preparation for the main camouflage paint. Also, some additional structural shading was done to help the following paint work



PAINTING A BROKEN AND ABANDONED DESERT AIRCRAFT

The cockpit was painted in the usual RLM dark grey, then given several washes of brown and black oil paint, followed by chipping with Humbrol metallics. I use Raw/Burnt Umber oil paint for the dirty and dusty floor sections and Black/Sepia for the grimy walls and instrument panels. Eduard metal seat belts were used and painted with brown oils to tone them down to match the muted colours in the cockpit.

For a broken and abandoned desert aircraft, I wanted to create faded, varied and muted colours, and I felt that a multi-layered paint approach would work best. Spending some time at this stage to plan the final effects is needed, as you apply the pre-shading in specific patterns to enable depth to the camouflage paint. I often plan for up to ten different layers of paint to get to the final desired colour tone and colour variation across the fuselage, so it helps to write down the sequence – lest ye forget!

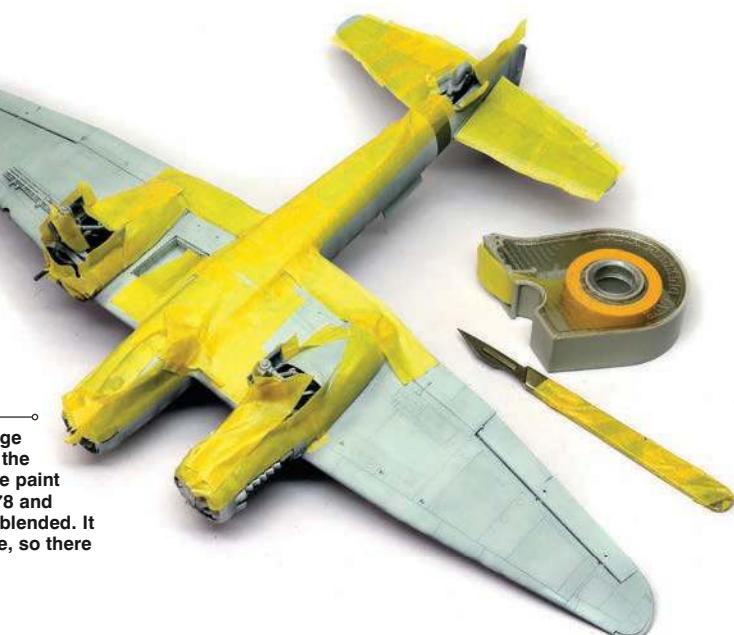
As a first step the model was coated with Mr. Surfacer 1500 in order to create a strong and even base for the following paint. Once dry, this base-coat was sanded to ensure an even and smooth surface. Using dark grey and black in the initial step, I pre-shaded selected panels lines and rivet lines, making sure not to outline all of them in the same way. It pays off to be careful and precise at this step, placing each line with care. As a next step black paint was scribbled inside the panels to break up the colour tone and add further depth. As a third step I then scribbled white paint across sections of the aircraft to strengthen the contrast between grey, black and white in specific areas. All this with the end-result in mind, as well as considering the effect of the coming filtering and fading with post-shading. Take your time at this stage, as much of the following work needs to be about building on this key foundation.



Some effort was spent on researching and then mixing several shades of the RLM79. I decided to go for a very light tone, planning to use oils and pigments to gradually darken the tone as the project proceeded



Heavier layers of paint were then laid on, with constant checking of the tonal variety as well as the effect of the pre-shading. It is better to stop to soon here – you cannot “unfade” paint layers if too much comes on!



All the lower areas of the fuselage were masked in preparation for the RLM79. After some research, the paint demarcation line between RLM78 and RLM79 was kept sharp and not blended. It seems Ju88s had both over time, so there is no real right or wrong here

THE MAIN PAINT JOB

The RLM78 was mixed by combining Gunze RLM78 with lots of white and different shades of grey. I wanted the colour tone to be as pale, faded and varied as possible. The tone was kept almost off-white to enable subsequent buildup of the blue-grey and to ensure tonal variation across the fuselage. I went back a couple of times with the airbrush to highlight some sections with almost pure white. When the paint was fully dry I carefully sanded it down with sanding sticks to create variations and worn effects.

The German RLM79 colour originally came in an earlier lighter tone, used in 1941, and a darker tone used from 1942 and onwards. For this specific aircraft I decided to use the early light tone of the RLM79, mixing several colours to experiment with a colour I felt was about right. Mr Hobby colours were used here, across the colours Tan, Sandy Yellow, Dark Earth and Sandy Brown, all with lots of white. I wanted to create a colour tone that was much lighter than the required end result, in order to be able to slowly build up the tone I was looking by layering oil filters, washes, post shading and so forth. I also overdo some of the highlights at this stage, knowing that the filters will mute them significantly.

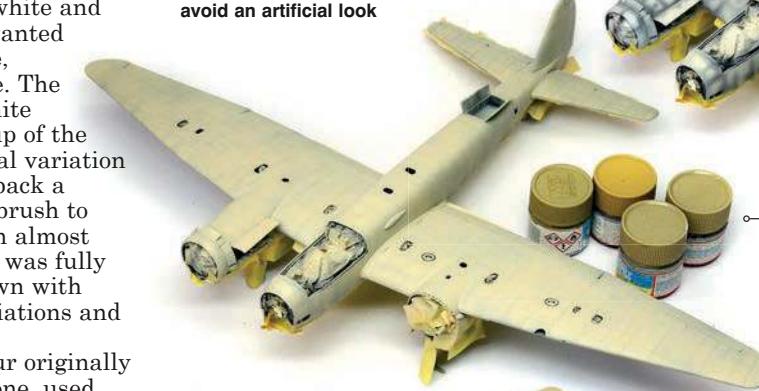
The chosen sandy colour was then sprayed on in several very thin layers, stopping and checking for results frequently. I had decided to let the pre-shading show through much more on the rear sections of the wings and fuselage, and I intentionally overdid this to ensure a darker tone here. Once the paint had cured fully, I carefully sanded the paint with very worn sanding sticks. This creates variations in the colour tone and also creates worn and chipped effects that are hard to achieve with a paint brush or air brush. Some of the sanding effects were also overdone, to be toned down later on. This is a key step in creating the multi-layered effects.

Once the model was fully painted, I went back with the airbrush and post-shaded high- and low-lights across the surfaces in order to produce the final effect I was after. It is good to overdo the variations at this stage since these will be toned down during the oil filter stage that follows. The base paint job was then sealed in a few layers of Gunze Clear to protect the surfaces and to prepare for the decals. The decals went on without any issues and settled down nicely over the detailed fuselage. I used a combination of Revell decals and the AirDoc Ju88 decals for JG1 aircraft in Libya 1942.

WEATHERING

Since the layering work with pre-shading and fading using the airbrush had already created a fairly

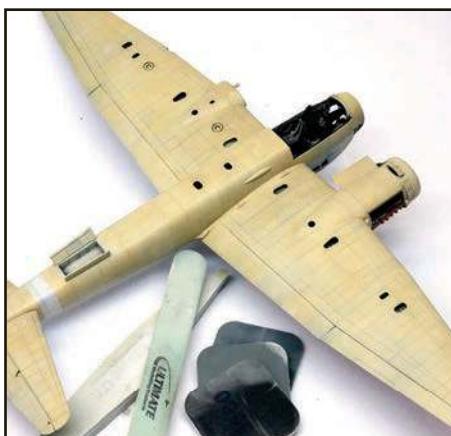
The chosen light RLM79 was misted on in a few thin layers to better determine how much of the pre-shading that should show through, and where. It is important to keep this a bit random to avoid an artificial look



Gradually the coverage of the RLM79 was increased until a suitable overall colour tone as achieved, with enough of darker areas showing through to suggest areas of heavy wear



Adding more white to the base paint mix, several areas of the fuselage were highlighted by post shading, with the intent to further break up the mono colour coverage and to add further variation. This was done across both upper and lower surfaces to build up a consistent effect



Once the overall base paint had dried completely, the whole fuselage was carefully sanded with a range of sanding sticks. This will produce further tonal variation of the base colour and also some worn effect to the paint, like chipping and scratches



A series of dark brown oil filters were the laid upon the base paint to tie it all together and to blend the various effects. This stage also gives the model a dirty and grimy look, as a first step of the weathering process

Three thin layers of Gunze clear finalized the base paint job, preparing the model for the decals



FULL-BUILD: WORLD WAR TWO AXIS AVIATION

REVELL 1:48 JUNKERS JU88 A-4 ● KIT NO.03935



A mix of decals from the Revell sheet and the AirDoc decals for desert Ju88s was used. They all performed in a similar way, settling down nicely over the panel lines and riveting detail. The Revell decals are a bit too colourful so they need to be toned down afterwards



Once the decals had dried completely, they were sanded with sanding stick to thin them as well as to wear them down a bit, creating chipping effects as well as bringing the riveting detail below the decal to the surface, showing through. Then lighter tones of the base paint were misted over the decals to blend them well into the overall paint job



Additional filters and washes were laid across panels, rivets and details. This step reinforces the effect of the pre shading in a nice way and enables you to further break up the mono colour scheme. Dark brown washes were used in local spots around engines, exhausts and wheel wells to create dirt, oil and dust effects

• worn and weathered effect to the base paint job, the following steps were more about enhancing and reinforcing some of these effects. I find that this way of painting gives a more subtle effect to the final result, and I try to get as much done at the airbrush stage as possible.

As a first weathering step the decals needed to be integrated with the rest of the faded fuselage colours. This was done by first sanding the decals carefully, which creates a worn and chipped effect and at the same time fades the colours a bit. After the sanding, the decals were sprayed very thin sand/white paint in several layers, gradually building up the desired effect.

Once happy with the result, I went back with lighter tones of the basic paint layers and faded selected areas further. Then the whole model was given several layers of dust and dirt by spraying various shades of sand and brown paint across the fuselage, especially on the lower surfaces and around the engines.

In order to build up an overall dirty effect on top of the faded paint, all colours were then being unified with a few very thin filters using Sepia black-brown oil paint. Then thicker Sepia filters were added on top of the wings and selected panels to build up the multi-layered effect of faded and dirty paint.

For the areas around the wing roots and below the cockpit I used Burnt Umber and Raw Umber to add a brownish dirty tone where dust and ground dirt would accumulate during operations. This dark brown contrast nicely with all that faded sand and blue, also giving a bit of warmth to overall finish of the model.

To add chipping and scratches to the fuselage I used acrylic colour pens, in yellow, brown, black and grey colours. This takes quite some time; it is important to go slow and to keep the point of the pen always sharp. I also used faded sandy colours from Vallejo to chip some areas with small sponges, creating further worn effects. Most of these chipping and mapping effects

Vallejo paint was used to chip the surface areas most exposed to wear. Very light tones of the base paint were used, then covered in layers of dark brown oil washed to blend them into the surface. Pigments were also used to add variety and dust effects



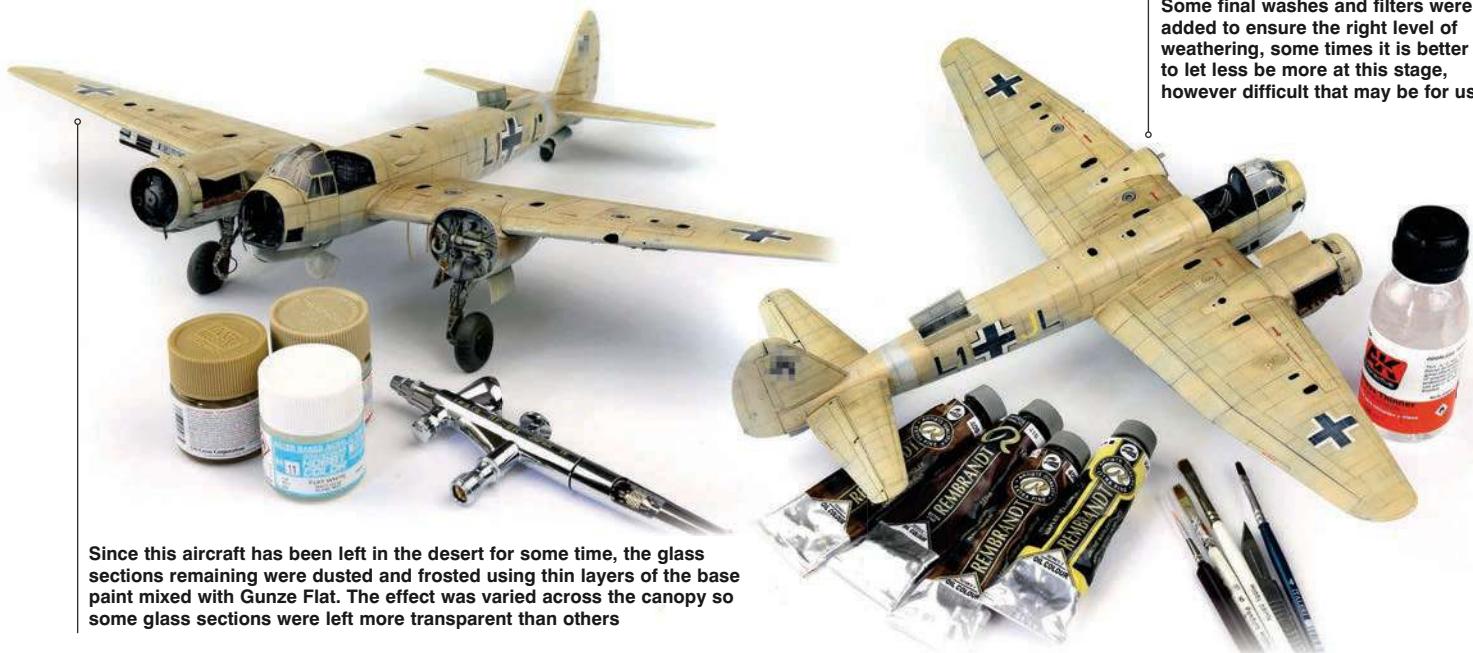
The lower surfaces were then treated with similar effects to build up a suitably dusty and worn effect



Further careful sanding of the paint work was done to add further damage and wear effects, as well as to blend some effects better into the overall paint



Various acrylic artistic pencils were used to add detailed chipping and wear to a few areas, but this was kept to a minimum



were then covered in brown filters to integrate and vary the impact of the chipped areas.

For some areas Humbrol silver was applied using a small sponge to show bare metal through the paint, however this was kept to a minimum, careful not to overdo it.

Then further dark brown oil paints were added in pin washes in all panel lines and rivet lines, trying to vary the application and not have the same tone in all panel lines. For select rivet lines I filled each rivet with dark MIG pigments to give an even deeper effect. Several shades of MIG dust and earth coloured pigments were then placed across the surfaces to produce both colour variation but also subtle dust effects.

Since this aircraft has been left standing in the desert for quite some time, I wanted to show the glass canopy matted by the wind and the sand, being only semi-transparent. This was achieved by softly spraying Gunze Flat and sand colour paint on the clear parts until they had a convincingly dusty appearance.

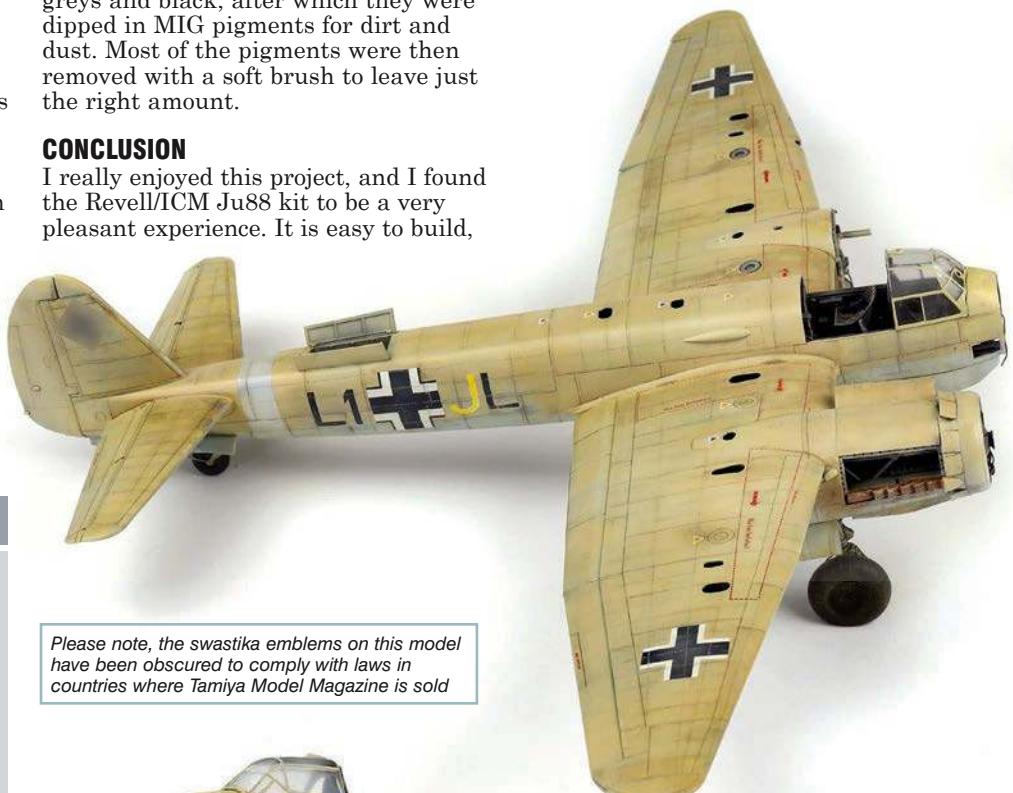
FINAL DETAILS

The engine was painted in black and dark grey, washed in brown oils, then carefully chipped in metallics to show wear. The engine nacelle was painted in RLM 02 as a base, with grey and black details, then covered in several washes of brown and black oils. The wheels were painted with Vallejo greys and black, after which they were dipped in MIG pigments for dirt and dust. Most of the pigments were then removed with a soft brush to leave just the right amount.

CONCLUSION

I really enjoyed this project, and I found the Revell/ICM Ju88 kit to be a very pleasant experience. It is easy to build,

has fine details and is a great starting point for a super detailing project. The fine cockpit detail, the two full engines provided and all the options to open hatches, makes this kit an attractive project. Given the price you pay for these kits, the value for money is great, and will tempt you to build a whole collection of these Ju88 kits! ●



TECH SPECS...

Revell 1:48 Junkers Ju88A-4 Kit No.03935

Materials used:
Injection moulded styrene, photo etch, lead wire, plastic card and waterslide decals.

Paints used:

- Mr. Surfacer 1500 Spray
- Mr Hobby Colors: H11 Flat White, H12 Flat Black, H30 Clear, H417 RLM78, H321 Light Brown, H27 Tan, H66 RLM79, H65 Black Green RLM70, H70 Grey RLM02, H418 Light Blue RLM78
- Rembrandt oil colours: Sepia, Grey, Buff, Dark Grey
- Vallejo Flat Varnish
- Mig Productions weathering pigments

References used:

- Luftwaffe Camouflage & Markings 1933-1945 Volume 1 and 2, KA Merrick, Jürgen Kiroff
- Classiccolours
- Junkers Ju88 Kampfgeschwader in North Africa and the Mediterranean, John Weal
- Osprey Combat Aircraft Series 75

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



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?

OSHKOSH M-ATV M1240A1 & M1277A1 IN USFK SERVICE, AFV PHOTO WALK AROUND SERIES VOL.4

WOLFPACK DESIGN CO. LTD

ISBN: 979-11-966667-4-3

www.wolpack-d.com

With Rye Field Model's new 1:35 M-ATV just on release, this book will make the perfect partner for your project. Within its eighty-eight pages (including covers) we are treated to hundreds of great quality colour photographs of this big brute of a vehicle showing it inside and out, with the exception of the engine and its bay. This is a slight pity because the RFM kit comes with a highly detailed engine as standard, but it's not a deal-breaker. The publisher is based in Korea, which explains why the subject is a USFK (United States Forces Korea) machine, but the hardware is the same as the desert-deployed examples and is thus a fantastic reference source. **MN**



HENSCHEL HS129B-2, GERMAN AIRCRAFT IN ROMANIA .03

Horia Stoica, Dan Antoniu, Vasile Radu, Host Models

ISBN: 978-973-0-30603-2

www.radubstore.com

We took a look at Martin Pegg's superb book (Chandos Publications) on the Henschel Hs129 'Panzerknacker' last issue and this time, we have another – albeit more compact – publication on the type. Here we are offered a detailed background on the '129 in Romanian service, this nation being one of the three Axis powers during the conflict that deployed this aircraft, the others being Hungary and Germany, of course. Although small in size, the book provides some fantastic images of the Hs129 in Romanian camouflage and markings and will offer some wonderful inspiration and reference for anyone building Zoukei-Mura's magnificent new 1:32 kit, or the Hasegawa 1:48 model for that matter. **MN**



UNCOVERING THE MCDONNELL DOUGLAS F-15A/B MSIP EAGLE

Danny Coremans, Don Hinton, Peter Gordts, DACO Productions

ISBN: 978-908-1989039

www.dacoproductions.com

We have featured reference books from Daco Publications before in TMMI and they have never failed to make a lasting impression. The newest volume to come from this Belgian publisher focuses on the early model F-15 Eagle and oh boy, does it go into intimate detail! Here we have 160+ pages (plus pull-out sheets that annotate each dial and control in the cockpit) and there can not be a part of the F-15 that has not been the subject of the photographer's lens. Airframe, cockpit, canopy, undercarriage, engines, afterburners, hydraulics, avionics, radar and much more are all documented in fantastic detail, frequently with multiple views of some structures so the reader can see them from all sides - exactly what modellers want! Very highly recommended. **MN**





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How to Build...

TAMIYA'S 1:48 SUPERMARINE SPITFIRE MK.I

When Tamiya released their 1:32 scale Spitfire Mk.IXc in 2009, they set a new standard for plastic model kits. As one of the most popular subjects in the history of scale modelling, we should not be surprised to find that Tamiya has now released an all-new Spitfire kit in 1:48 scale.

Tamiya's brand new 1:48 scale Spitfire Mk.I delivers innovative design, outstanding detail, an accurate outline and crisp, subtle surface textures.

This model has nothing at all in common with their 1993 kit. Between these covers, we provide an exhaustive step-by-step illustrated guide to building Tamiya's 1:48 scale Spitfire Mk.I straight from the box plus tips on painting and weathering. Plenty of inspiration is offered with two different configurations plus a conversion to the Photo Reconnaissance version with models by Brett Green and Marcus Nicholls.

Also included are a walkaround of a surviving Spitfire Mk.I, a summary of other Spitfire Mk.I model kits available in 1:48 scale, a list of available accessories and decals plus a catalogue of helpful references.

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NEXT ISSUE

The next issue of TMMI is
February 2020 (No.292),
on sale January 16th



BISMARCK BASHER

Tamiya's 1:48 Fairey Swordfish, revisited

TEMPESTUOUS ATTACKER

Eduard's 1:48 Hawker Tempest Mk.V Series II, inside and out



CARRIER DECK-DOUBLES

A 1:72 aircraft-carrier deck diorama with a Hornet and a Tomcat

...AND MUCH MORE, OF COURSE!

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

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The Editor's Page...

TMMI takes the terrific trip to Telford!

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THE TELFORD TREASURE-TROVE!

Back in November this year, the vast 'Scale Modelword' show took place in the British town of Telford. As the Editor of Tamiya Model Magazine, I was there of course, and naturally, I took many photos - over a thousand in fact! Here is just a sample of what I saw, many more will follow... ●



EDITOR'S CHOICE

P-38F/G Lightning Sagged Wheel Set (DS48014)

Tamiya's new 1:48 P-38F/G Lightning is a wonderful kit, but even the most fabulous of productions can accommodate extra refinements. DEF Model are one of the first to contribute to the cause with this set of superb resin wheels/tyres. They provide more period-appropriate treads, sidewall detail, internal ribs and, of course, a weighted appearance. Top quality as ever.

www.defmodel.com





LIGHTNING STRIKE

1:72 F-35 B Lightning II STOVL Version (1425)

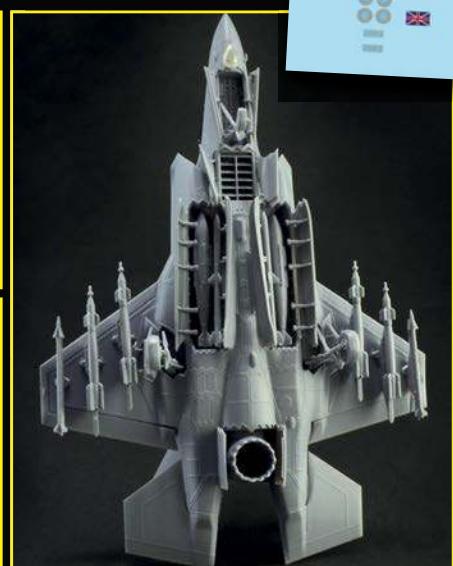
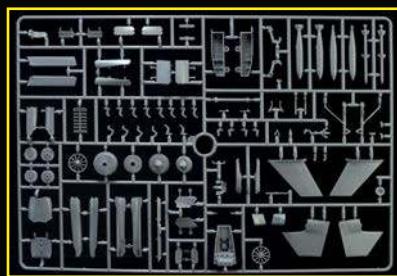
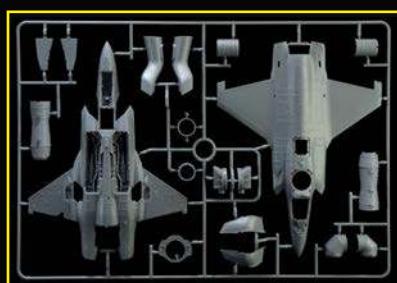
This is a new tool kit which provides fantastic detail for 1:72nd scale, you can nearly feel the uplift from the engine fan behind the cockpit.

The JSF Joint Strike Fighter program was set up to develop a new generation of all-weather multirole combat aircraft able to replace the existing United States and NATO strike-fighters.

The F-35B Lightning is a fifth-generation combat aircraft, based at RAF Marham. The short take-off and vertical landing (STOVL) capability allows it to operate from the new 'Queen Elizabeth'-class aircraft carriers, vessels of allied nations and short airstrips. In July 2012 the government decided to purchase an initial batch of 48 aircraft. By 2015 the Strategic Defence and Security Review confirmed the UK's intention to buy 138 Lightnings and undertook a massive infrastructure upgrade at RAF Marham. Britain currently has 17 F-35B's & operational sorties have been flown over Iraq and the Levant countries. Successful trials have also been undertaken aboard HMS Queen Elizabeth and it is expected that full carrier strike capability will be achieved in 2020. The last of the initial 48 Lightnings are expected for delivery in January 2025. In the meantime a schedule for the remaining 90 aircraft and further squadron formations are likely to be put in place. The F-35B is capable of conducting air-to-surface, electronic warfare, intelligence gathering and air-to-air missions simultaneously, making it the RAF's first multi-role supersonic stealth aircraft.

Model kit features:

- High quality, highly detailed kit
- Engine with two thrust nozzle positions, straight and rotated 90 degrees
- Panels may be opened to view interior detail
- Weapon carrier trolley included for dioramas
- American version with rocket pillars included
- Four different versions of roundel decals



TOYOTA GR Supra



Japan Version

Pure Modeling Bliss

1/24
SCALE

1/24 Sports Car Series TOYOTA GR Supra (Item 24351)

Announced in January 2019, the TOYOTA GR Supra is a pure sports car whose design team have painstakingly engineered the wheelbase, tread and center of gravity to ensure that its driver enjoys superlative balance and handling like a dream. Now, you can own it in detailed Tamiya 1/24 scale as it joins our famed 1/24 Sports Car Series. The sensuous long nose, short deck form with striking bubble roof is recreated in style, with black body sections molded as separate parts to ensure an easier paint job – whatever the color! Red areas of the sporty interior are depicted by white parts to let you achieve a striking shade of red, while the underside and suspension are rendered with realism. The result will be a super stylish, cutting edge addition to your model collection!



Two-part wheels feature metal plated component.

The form of the car is elegantly depicted in 1/24 scale, with metal transfers and masking stickers included in the kit. Choose to assemble as right- or left-hand drive. ① Separate parts depict grilles and spoiler. LED headlight depictions feature clear internal components. ② Realistic interior uses white parts to be painted red.

Components marked with ★ are separate parts.

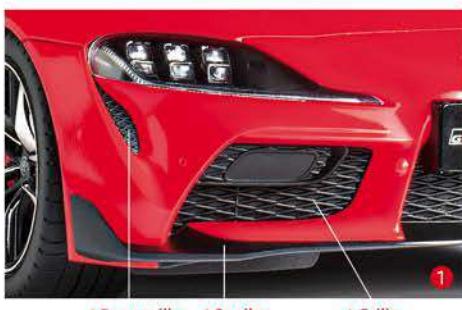
U.S. Version



Length: 183mm, width: 85mm, height: 54mm.



The car's extensive underpanel is depicted, as are front and rear suspension, plus rear arm aero covers.



TAMIYA, INC. 3-7ONDAWARA, SURUGA-KU, SHIZUOKA 422-8610 JAPAN

A Racer Covered in Glory

The triumphant TS050 HYBRID endurance racer from the 2018-2019 season is also available in detailed Tamiya 1/24! ★The honed form with multiple aero parts is recreated with great accuracy. ★Cockpit features metal-plated roof and detailed interior. ★Decals allow creation of No.7 or No.8 car from final race of 2018-2019 season. ★Metal transfers depict headlight LEDs and side mirror surfaces.

1/24 TOYOTA GAZOO Racing TS050 HYBRID 2019
(Item 25421)
LIMITED EDITION

cartograf

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

Check Tamiya's homepage for the latest releases! www.tamiya.com

TAMIYA

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