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DETAILS INSIDE...



**Model
MAGAZINE**
INTERNATIONAL

**ISSUE
303**

January 2021
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INTER

**CHALLENGE THE
IMPOSSIBLE**

TAMIYA'S ALL NEW 1:24
**MCLAREN SENNA
REVEALED!**



TAMIYA'S NEW
1:35 MARDER I GETS
PAINTED AND WEATHERED

**THERE'S BEEN
A MARDER!**

INSIDE

Eduard 1:32 Bf109E Condor Legion, 1:20 Ayrton Senna cart, Tamiya
PACHI photo contest, plus new kits, books and modelling accessories...

DOOLITTLE
MEDIA



LOTUS
SUPER 7 SERIES II



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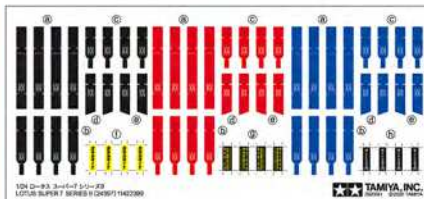
1/24
SCALE

One For the Ages

Kit contains parts for one model.

1/24 Sports Car Series **Lotus Super 7 Series II** (Item 24357)

With advances in technology have come bigger and bulkier sports cars, but one design has long bucked the trend. Its story started with the Lotus 7, which was a design that at heart was centered around simplicity and lightness; remarkably, production of the 7 continues today with minimal alterations to its successful design. This plastic model captures the Lotus Super 7 car that was part of the 1960 debut Series II, and was fitted with a high performance engine. The ergonomic long nose, short deck 2-seater form is recreated in style, with realistic depictions of the spartan cockpit and rather unique front and rear suspension setups. Owners can choose whether to assemble the kit as a road car or Clubman racer, and whichever you go for, this classic car is sure to find pride of place in your model collection.



Decals recreate numbers, license plates and more.
Stickers for 3 seatbelt types are included.



Metal air funnel parts add further detail to the engine.
★Headlight rims and wheel caps are metal-plated parts.



A removable hood reveals the inline-4 engine with detail such as carburetors, exhaust pipes and transmission.



Can be assembled as a clubman racer with separate windshields and driver's roll bar.

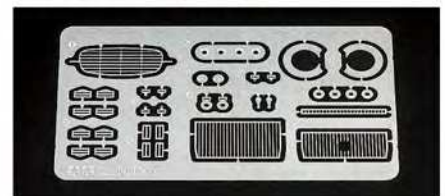


Photo-etched parts for radiator, seatbelt buckles and more give a highly realistic finish.



OFFICIAL
LICENSED PRODUCT

Produced under licence from Group Lotus plc. LOTUS, the Lotus Roundel, car names and all associated logos and distinctive designs are trade marks of Group Lotus plc.



Decals recreate instrumentation.
Length: 139mm, width: 61mm, height: 41mm.



Length: 168mm.

Lotus' Europa was renowned for world class cornering. The Europa Special appeared in 1972 and arguably represents the car's pinnacle. This model recreates it in style, with metal air funnel parts, realistic depictions of frame and suspension, plus seatbelt components, RS Watanabe wheels and a rear wing.

Lotus Europa Special (Item 24358)

Watanabe
<http://www.rs-watanabe.co.jp>

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

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COVER STORY

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Tamiya's new 1:35 Marder I finally gets painted and weathered



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IN BRIEF...



TAMIYA

- 1:10 RC Toyota GR Supra Lightweight Body Parts Set
- 1:10 RC Toyota GR Yaris Lightweight Body Parts Set
- 1:10 RC Ford Escort Mk.II Rally Body Parts Set
- 1:10 RC M-Chassis 60D Super Radial Tires (Soft/2pcs.)
- 1:10 RC M-Chassis Lightweight One-Piece Aluminium Axle & Hub Set
- Silicone Diff. Oil #300000
- 1:32 Mini 4WD Tools (Side Cutters, (+) Screwdriver)
- Accent Color (Dark Red-Brown)

hobbyco.net

COPPER STATE MODELS

- 1:35 Russo-Balt Type C armoured car
- 1:35 Canadian armoured car

copperstatemodels.com



DECALCAS

- 1:24 MG Metro 6R4 Golden Wonder decals

hobbyco.com



GECKO MODELS

- 1:35 LARC-V (Vietnam War)
- 1:32 DeHavilland Tiger Moth

gecko-models.com

icm.com.ua



PROFIL-24

- 1:24 Mercedes CLR Le Mans 1999
- 1:24 Moynet LM35 Le Mans 1975

profil24-models.com



S&M MODELS

- 1:48 Westland Wasp HAS.1 Royal Navy
- 1:48 Westland Wasp HAS.1 Commonwealth
- 1:48 Westland Wasp HAS.1 Foreign Operators

sandmmodels.co.uk

SPECIAL HOBBY

- 1:32 Westland Whirlwind F Mk.I

specialhobby.eu



NEW FROM TAMIYA

1:48 Russian Medium Tank T-34-85

Tamiya has released a new version of the T34 Russian medium tank into the 1:48 Military Miniature Series! The T34/85 was a re-evaluation of the trusty T34/76 that had run into trouble against powerful German foes like the Tiger I and Panther. It had a larger, more heavily armoured turret with an 85mm gun and was manufactured from January 1944. Comes with a commander figure and two marking options for vehicles in the invasion of Germany, 1945.

www.hobbyco.net



NEW FROM TAMIYA

1:10 RC Ford Escort Mk.II Rally (Painted Body) (MF-01X)

Tamiya has announced the addition of another rally car to the RC stable, the Ford Escort Mk.II Rally, depicting a car which was RAC Rally champion from 1975-1979. Fittingly, it is based upon the MF-01X chassis, which has dedicated rally parts and is at home on a range of surfaces.

www.hobbyco.net



NEW FROM TAMIYA

New releases/re-issues in 1:10 RC

Some fun RC cars are coming soon!
Fighting Buggy 2014, Plasma Edge II
Iridescent Purple/Green, Fire Dragon
2020, Fighter Buggy RX Memorial

www.hobbyco.net

NEW FROM TAMIYA

1:12 Suzuki RG250Γ

This classic 1980s Suzuki is on its way back from Tamiya in two forms, the base RG250Γ (14024) and RG250Γ with Full Options (14029). Still beautifully detailed kits despite being thirty-seven years old!

www.hobbyco.net



NEW FROM TAKOM

1:72 Bismarck B-turret

The second of Takom's battleship turret kits depicts the 'B' (Bruno) turret from the Bismarck, a very interesting item for the display case.

www.pocketbond.co.uk

NEW FROM AMUSING HOBBY

1:35 T-71M1 new-tool

This is an all-new kit of the Soviet/Russian T-72M1 MBT and will come with a full interior, including engine and compartment

www.migjimenez.com





NEW FROM BRENGUN 1:72 KAMAN K-MAX

We took a brief look at this kit in TMMI Issue 301 and here are some shots of it built up, in the raw resin. Wonderful detail across the aircraft

www.brengun.cz



NEW FROM PLATZ/NUNU 1:24 Porsche 911 SC RS 84 new-tooling

This classic Porsche in rally set-up is on the way as a newly-tooled 1:24 kit courtesy of Platz/Nunu

www.hiroboy.com



NEW FROM EDUARD New aircraft kits in 1:48 and 1:72

On sale and on the way from Eduard is the limited edition 'Adlertag' set in 1:72, featuring the Bf110 fighter and also 'Adlertag' in 1:48 with the same aircraft. For a quick build we have the delicious 1:72 MiG-21PF Weekend Edition and in 1:48, we have the F-6D/K Mustang

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



NEW FROM KMP 1:24 MG Metro 6R4 front trunk detail set

KMP have created a detail set for the Belkits Metro 6R4 front boot - the engine was in the back - in resin. Some plastic surgery will be needed to install it

en.kmp-sm.com



NEW FROM REVELL 1:12 Mercedes-Benz 300 SL

Revell's giant gull-wing Merc makes a return in a smart new box and will present an enjoyable challenge for modellers of large scale car kits.

www.revell.de/en



NEW FROM REVELL VW Golf GTI (Builders Choice)

'From the community, for the community' is what Revell's 'Builder's Choice' kits stand for. Fans got creative with their legendary VW Golf Mk.1 GTI and created their dream design for the compact sports car. The winning design was chosen by the Revell Facebook community!

www.revell.de/en



NEW FROM ZVEZDA 1:35 ZSU-23-4M SHILKA

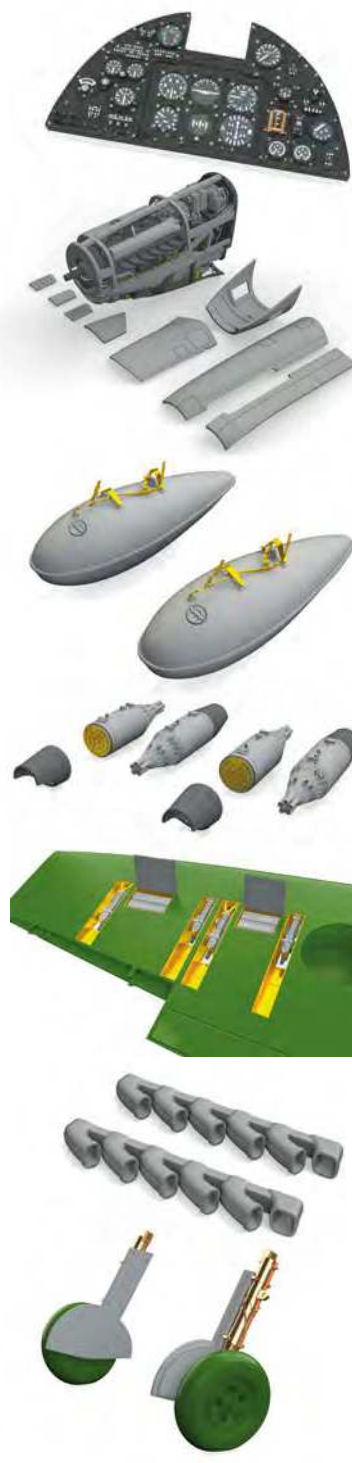
This kit is based on the Dragon tooling and contains decals for Russia, Soviet Union, German Democratic Republic, Hungary and Vietnam. Also new and on the way: 1:72 Soviet Machine Gun Crew, 1:48 Sukhoi SU-57 Russian 5th generation fighter and 1:350 Russian Nuclear Icebreaker "Arktika" Project 22220 (new tool).

www.hobbyco.net

COMING SOON FROM EDUARD

- Brassin 1:48 Hawker Hurricane Mk.I L66K Set
- Brassin 1:48 North-American P-51D Mustang engine
- Brassin 1:48 P-51D 75gal drop tanks
- Brassin 1:48 UB-32A-24 rocket launcher
- Brassin 1:48 Brassin Spitfire Mk.I gun bays for Eduard
- Brassin 1:48 Il-2 exhaust stacks
- Brassin 1:48 Supermarine Spitfire Mk.I Undercarriage Legs Bronze

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



KIT PREVIEW

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



2018 was an exciting year for fans of the British car maker McLaren, with the announcement of the Senna at the Geneva Motor Show. Fittingly for a car upon which the name of legendary driver Ayrton Senna is bestowed, it features cutting edge design across the vehicle, exemplified by extensive carbon-fibre sections on the body, which is designed for impeccable aerodynamics and cooling. Power is provided by an 800bhp four-litre V8 twin turbo engine.

Tamiya's all new 1:24 McLaren Senna was kept secret for many months, but now the kit has arrived at TMMI!



CHALLENGE THE

This kit was a very well-kept secret, but what a nice surprise it is! It's one of Tamiya's fully detailed releases with a complete engine (although very little of this can be seen once the model is complete) plus comprehensive suspension detail. With this release, it's all about the bodywork, with

some ingenious engineering solutions used to allow the outer panels to be painted and sub-assembled off the main structure of the car before finally fitting them.

Because of their complex nature, the cabin doors are designed in the closed position, which is a good move as it keeps the shut-lines nicely tight and

even. Same goes with the 'bonnet' and 'boot' lids and while the former does obscure pretty much all of the engine, it does again mean the exterior shapes are kept neat and tidy. The ideal solution might be to purchase two of these kits and build the engine from the second kit for display alongside the first..? Just a thought!

Just seventy of the 500 Sennas made were righthand drive, and while the kit's cabin is exquisitely moulded, sadly, only a lefthand-drive dashboard is offered in the box. Not to worry, it is still a triumph of design and detail inside. Two decals for the dashboard iPad-like control panel are provided to depict the car running or



THE IMPOSSIBLE

at rest, with another two waterslide markings for the main instrumentation cluster representing similar modes.

For a car with such complex glazing, the clear sprue carries many individual panels, but each is provided with location tabs for positive installation. And, naturally, the windows are crystal clear.

Tamiya do not yet offer

specific colours for the McLaren Senna so the two shades on offer for the model: Mira Orange and Victory Grey are made up from mixes. For the orange it's a simple 50/50 mixture of LP-8 Pure Yellow and LP-42 Mica Red but for the grey, one must combine two parts of LP-2 White, four parts of LP-20 Light Gun Metal, two

parts of LP-41 Mica Blue and one part of Racing Blue. A little complex perhaps, so we can expect to see variations of colour on worldwide model-show display tables when this model is released and starts getting built! Of course, you can always search the internet for inspiration on your own, custom colour. We rather like

an overall bare carbon-fibre finish which was a \$248,000 option on the real car!

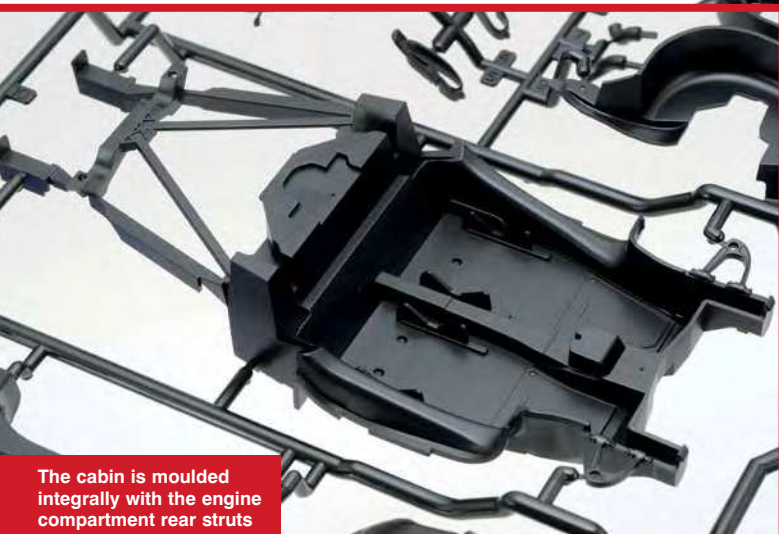
As always, the kit is engineered to Tamiya's legendary high standards and with a methodical approach, it can be built with ease by closely following the instructions. There will, of course, be a full-build coming to TMMI as soon as possible! ●

KIT PREVIEW

TAMIYA 1:24 MCLAREN SENNA • KIT NO.24355



The main structure of the model is a one-piece monocoque to which structural and body elements are attached



The cabin is moulded integrally with the engine compartment rear struts



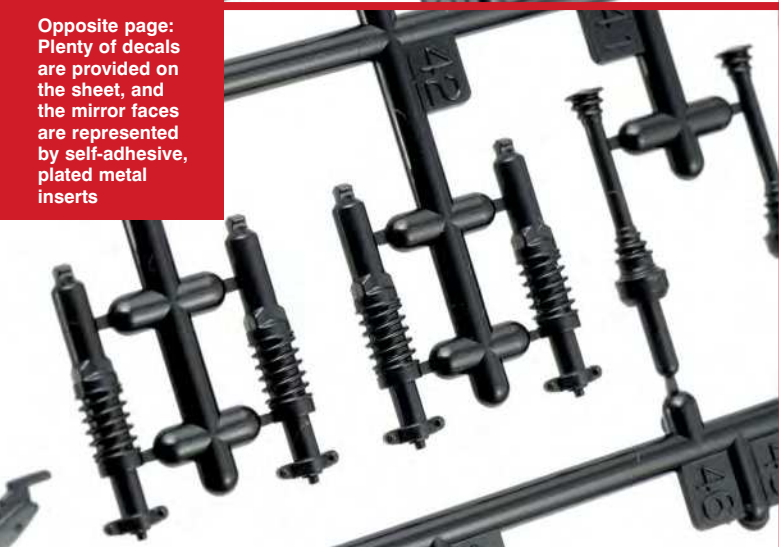
Bucket-type racing seats are provided, naturally



Elements of the cooling system are depicted in detail

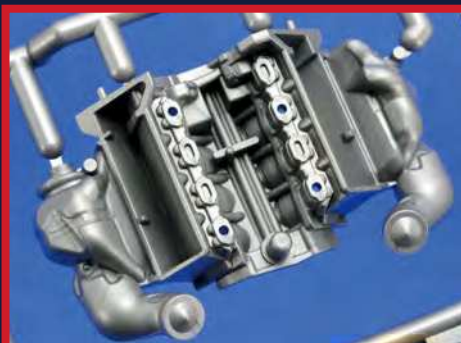


Although largely hidden once the model is complete, it does come with a detail replica of the four-litre, twin-turbo V8 engine



Opposite page: Plenty of decals are provided on the sheet, and the mirror faces are represented by self-adhesive, plated metal inserts





KIT PREVIEW

TAMIYA 1:24 MCLAREN SENNA ● KIT NO.24355



MODEL SPECIFICATIONS

- Length: 198mm, width: 91mm, height: 60mm
- The sleek aerodynamic body's form is captured in style. Uniquely, it is composed of a single monocoque part onto which body panels are attached individually, allowing a highly realistic depiction of the car
- Parts are designed to be assembled into blocks of the same colour, streamlining the painting process
- Features a realistic depiction of the V8 twin turbo engine and visible sections of the complex surrounding engineering
- The model can be assembled in European, US or Japanese spec
- Separate parts for brake callipers and discs ensure that the wheels (and brake discs) rotate while the calliper remains stationary for super realism
- The dashboard can be assembled in the standard road-going or streamlined racing positions
- Metal transfers recreate McLaren logos and more



Some masking skills will be needed for the front intakes



The brake callipers have can be painted with a highlight colour for maximum impact



The kit can be finished in European, US or Japanese specification



The V8 engine and exhaust system in all its glory, before being buried in the bodywork



Different dashboard decals are included for engine running or at-rest modes



TECHSPEC...

TAMIYA 1:24 MCLAREN SENNA KIT NO.24355

Materials:

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

KIT PREVIEW

BELKITS 1:24 MG METRO 6R4 LOMBARD RAC RALLYE 1986 ● KIT NO.BEL-016



GROUP-B HOONER!

After many years, we now have a fully detailed 1:24 kit of the legendary Metro 6R4 Group-B rally car, courtesy of Belkits

Group B, introduced into the rally championship by the FIA in 1982, was a notorious class, with few restrictions imposed on manufacturers resulting in some of the maddest rally cars ever seen. The short wheelbase Audi Quattro S1, Ford RS200 and Lancia 037 are just three examples, all of which we brutally fast. Austin Rover wanted a taste of the action and in 1984 they launched the Metro 6R4 (6-cylinder, Rally, 4-wheel drive). This crazy/brilliant machine was powered by an alloy, three-litre V6 mounted at

the rear and became an instant classic. A 6R4 in 1:24 must rate as one of the most desired subjects by car modellers (particularly in the UK) and now, after extensive research and development, Belkits have obliged with this all-new kit of the little beast. And what a cool model it is. It comes with a lovely replica of that V6 engine and it can be seen in full by removing the rear hatchback. The all-important suspension system is depicted in full, along with four huge disc brakes for which photo-etched rotor faces are provided as standard. Also in the box is a full racing harness set that uses real ribbon for the webbing and photo-etched nickel-steel for the buckle parts.

A set of six spotlights are provided for the night-stage version, complete with cover. Decals are for the 1986 Jimmy McRae/Ian Grindrod Lombard RAC Rally car but if you prefer something different, the aftermarket producers have already released several alternative liveries. There will be a full-build review of this fabulous model coming to TMMI soon! ●

TECHSPEC...

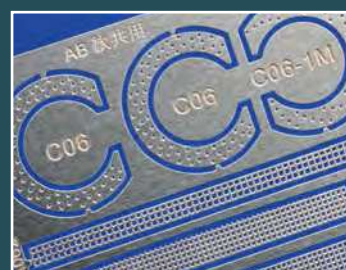
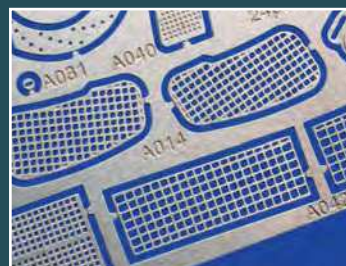
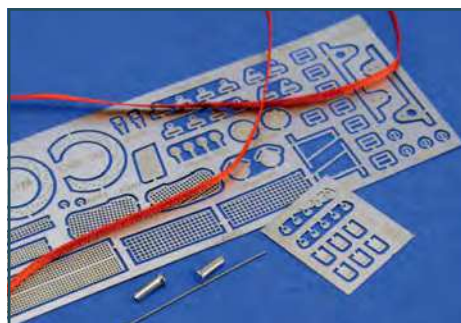
BELKIT 1:24 MG METRO 6R4 LOMBARD RAC RALLYE 1986 KIT NO.BEL-016

Materials:

Injection-moulded polystyrene, photo-etched metal, soft vinyl tyres, plated parts, water-slide decals

Availability:

Belkits models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net



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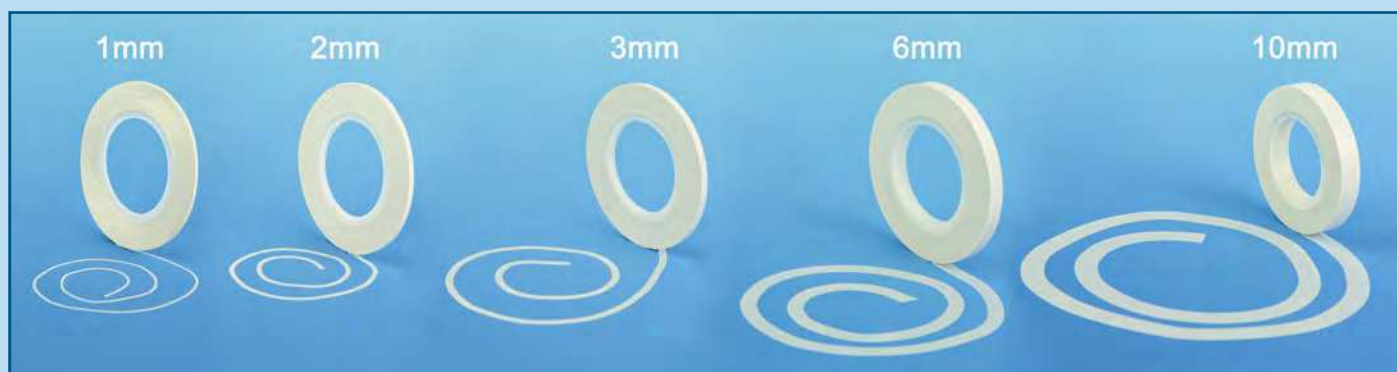
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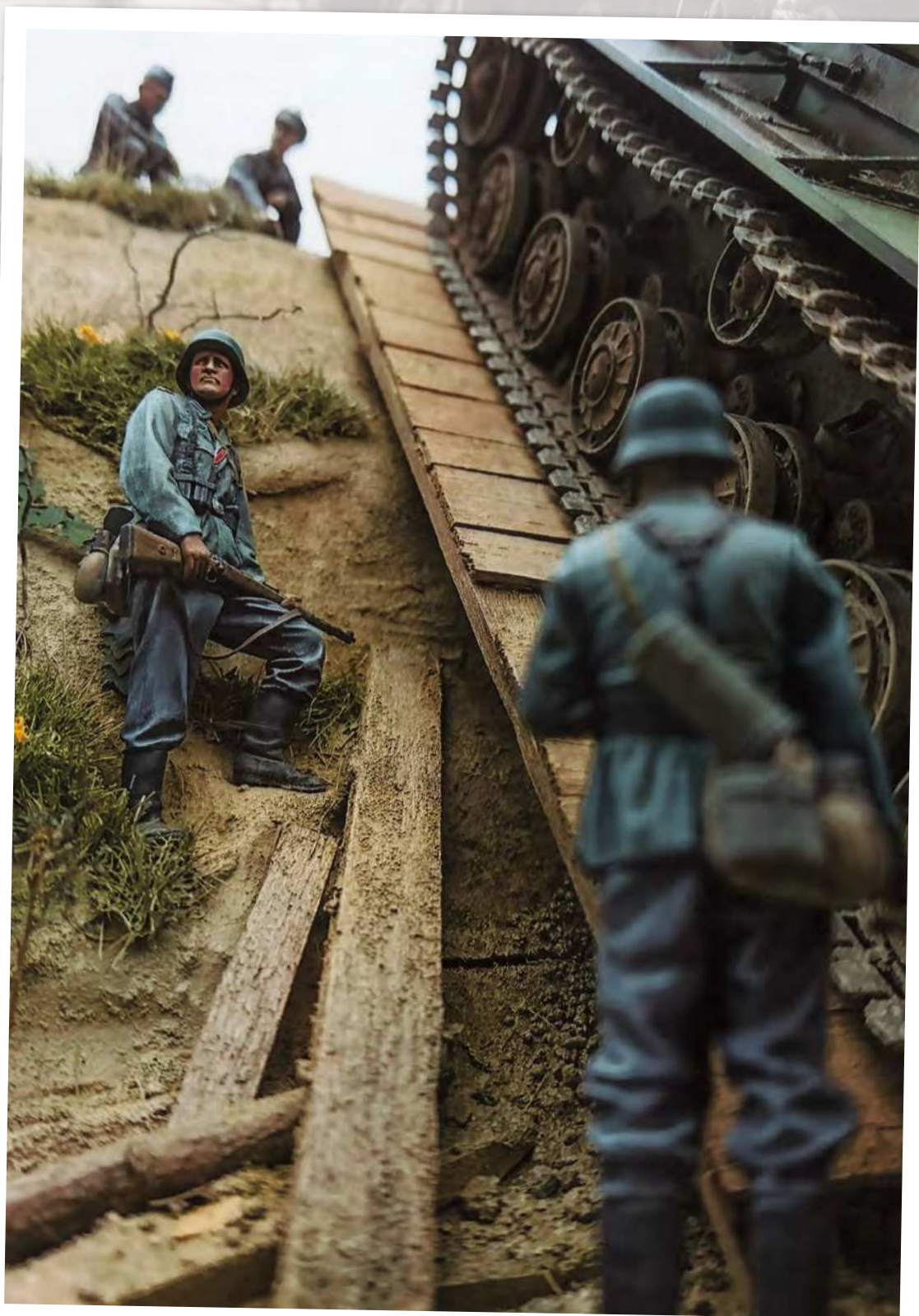
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(Photocopies of this form are acceptable)

TAMIYA PACHI 80

Here are the winners of Tamiya's 'PACHI' photo contest, showcasing some of Japan's best model-makers and model photographers

DIORAMA SECTION



Gold Award

TITLE: Private First Class (Gefreiter)

CREATOR: . Hinata Shiba (age 18)

SCALE: 1:35

My piece recreates a scene with German soldiers attempting to rescue a KV-1 that had fallen from a bridge. I made the bridge from balsa, and a two level base from foamed styrene with a mixture of clay and wood shavings for the surface, with grass and gravel giving extra realism. I also added gun slings and helmet straps, and applied shading before painting the piece. This picture was taken outdoors, with all the benefits of natural light.

Silver Award

TITLE:..... KV-1 On the March

CREATOR: . Shigehiro Yoshida

SCALE:..... 1:35

My diorama depicts an Autumn 1941 scene, with a Soviet KV-1 launching an attack. To try and endow it with as much life as possible, I chose figures in action pose, and positioned the tankerman with his eyes on the accompanying soldiers below. I used a number of different tones for the uniform; and was careful to try and capture fading of the paint on the tank sides and top surfaces. I snapped this picture outdoors under natural light, positioning the diorama base so as to catch some turning leaves for an autumnal feel.



Silver Award

TITLE:..... Getting Some Practice In

CREATOR: Tomoya Kawada

SCALE:..... 1:35

I chose to picture soldiers in training for the deployment of an armored recovery vehicle, using archive photos to help me in the job. The scene is set in late Autumn and I aimed to blend the dark yellow of the armor nicely with the faded grass colour; the grass is a modeling accessory. I sifted some real dirt onto the diorama base in the quest for a more realistic look, and took the picture using a single lens reflex camera with micro-lens.



Bronze Award

TITLE: Taking Five Minutes
CREATOR: . Hirofumi Yamamoto
SCALE: 1:35, 1:48



Bronze Award

TITLE: what's next?
CREATOR: . Kazuya Morioka
SCALE: 1:35



Bronze Award

TITLE: The Setting Sun
CREATOR: . Kunihiro Mitsuishi
SCALE: 1:35



Bronze Award

TITLE: Brummbär of the 216th Assault Tank Battalion
CREATOR: . Masakazu Arayashiki
SCALE: 1:35



Junior Award

TITLE: Time for a Rest
CREATOR: . Takumi Nakayama (age 13)
SCALE: 1:35



Special Award

TITLE: Civilian Simca 5 (modded)
CREATOR: . Kimihiko Tamakawa
SCALE: 1:35



Junior Award

TITLE: Where's the Backup??
CREATOR: . Hiroto Moribe (age 11)
SCALE: 1:35

MODEL SECTION



Gold Award

TITLE: Russian Heavy Tank KV-1

CREATOR: . Yosuke Yamada

SCALE: 1:35

I assembled this kit in the normal way except for small changes to wire, and damage added to fenders. I painted this model in two-colored camouflage of green and brown, and depicted the model with a little winter camouflage remaining. When doing this, I tried to make use of texture rendering (armor surface, casting skin, welding trace, etc.) as much as possible. Also, red cloth can be seen as an accent on the tool box of the body rear.



Silver Award

TITLE: German Tractor SS-100

CREATOR: . Koichi Hoshino

SCALE: 1:48

My piece recreates a battered appearance with worn-out tires created using a file. I painted by airbrush and brush with clear orange to recreate rust, and used my own color combination of German grey and clear blue to paint the shaded parts so that my model looks three-dimensional. Dirty is depicted with XF-57.



Silver Award

TITLE: JS-2 ChKZ, 1944

CREATOR: . Kenichi Sanada

SCALE: 1:35

I chose JS-2 because I wanted to make a Russian tank with a beaten up image. Leaving the tracks uncovered without fenders, and putting equipment in a muddle enabled me to complete the piece as I wanted. When I took this picture, I turned the gun barrel to the rear in order to keep the image balanced.

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Bronze Award

TITLE: King Tiger, 1945
CREATOR: . Yuichi Moroi
SCALE: 1:35



Bronze Award

TITLE: American Tank Destroyer M10
CREATOR: . Ling Yongming
SCALE: 1:35



Bronze Award

TITLE: T-34/76, 1941
CREATOR: . Ryuji Nozawa
SCALE: 1:48



Bronze Award

TITLE: Heavy Tank KV-1
CREATOR: . Yuta Inoue
SCALE: 1:35



Junior Award

TITLE: Charlie Company
CREATOR: . Kanta Hino (age 8)
SCALE: 1:35



Junior Award

TITLE: Wespe at Anzio
CREATOR: . Masaaki Moriya (age 15)
SCALE: 1:35



Junior Award

TITLE: BA-64B
CREATOR: . Umi Saito (age 8)
SCALE: 1:48

eduard

Spitfire Story: Tally Ho!



P7370, S/Ldr Adolph G. Malan DFC & bar SAFF, CO of No. 74 Squadron, RAF Kirton-in-Linsey, Great Britain, September 1940



P7666, S/Ldr Donald O. Finlay, CO of No. 41 Squadron, RAF Hornchurch, Great Britain, November 1940



P7915, Sgt William J. Johnson, No. 145 Squadron, RAF Tangmere, Great Britain, Spring 1941



P8984, F/Lt James J. O'Meara DFC, No. 84 Squadron, RAF Drem, Great Britain, September - October 1941



P7923 or P7926, No. 411 Squadron RCAF, RAF Digby, Great Britain, July 1941



P7966, W/Cdr Douglas R.S. Bader, CO of Tangmere Wing, RAF Tangmere, Great Britain, June - July 1941



P8385, F/O Miroslaw Ferid, No. 303 (Polish) Squadron, RAF Northolt, Great Britain, May - June 1941



P7368, P/O William R. Dunn, No. 71 Squadron, RAF North Weald, Great Britain, August 1941



P8342, Sgt. Marcin Machowiak, No. 306 (Polish) Squadron, RAF Northolt, Great Britain, August 1941



P7834, F/O František Fajtl, No. 313 (Czechoslovak) Squadron, RAF Portreath, Great Britain, September 1941

1/48

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...AND KID



Developed in the late 1960s to compensate for the lack of an on-board gun in previous versions, the F-4E Phantom II made its debut at the end of 1968 over Vietnam. Paradoxically,

despite the presence of the gun which had until then been lacking in aerial combat, it was especially in the ground attack role that the F-4Es stood out in this theatre of operation. In 1972-73, they actively

participated in the last bombing campaigns of the conflict called 'Linebacker' intended to influence the ongoing peace negotiations. It was during these missions that laser-guided bombs and electronic jamming pods

were first used, marking the dawn of a new era of aerial warfare ...

Tamiya's 1:32 F-4E Phantom II Early Version was released almost twenty years ago, in 2002 to be precise. I had already had

ALL MIGS!

Didier Michaux presents his 1:32 Tamiya F-4E Phantom II in a configuration typical of Operation Linebacker at the end of the Vietnam War



the opportunity to build the F-4Js and F-4C/Ds that came before it and knew that one day I would 'dive' for the 'E'. It shares most of the parts with the exception of course of the nose cone, cockpit parts and various

appendages and antennae. Wishing to reproduce an aircraft that took part in 'Operation Linebacker', I started looking for documentation and I came across the Squadron Walk Around with a photo of an

F-4E in flight, with a load representative of these missions of harassment, namely three fuel tanks, ALQ-87 jamming pods in the front missile bays, AIM-7 Sparrow in the rear bays and four SUU-30B/B cluster

bombs on the interior pylons. Everything is included in the kit except the belly tank, but I had one in my spares box plus the cluster bombs I found at Wingman Models (resin and photo-etch). ►

FULL-BUILD: GOLD WAR AVIATION

TAMIYA 1:32 MCDONNELL F-4E PHANTOM II EARLY VERSION • KIT NO.60310

◀ ADD SOME EDUARD

The cockpit benefited from the addition of Eduard colourful photo-cut details and True Details resin seats. The forward tip of the fuselage is transparent to see the fully reproduced Vulcan radar and rotating cannon, but preferring realism to a technical (and rather gimmicky) representation of the aircraft, the front was been painted like the rest of the fuselage. Although now invisible, the radar and gun were however built and fitted to balance the model. Tamiya offers a choice of two barrel tube fairings, early or late. Aircraft operating in Vietnam were variously equipped but I opted for the more common late-type at the end of the conflict and which I consider more aesthetic, in particular with the shark mouth of the 388th TFW. Assembly and painting of internal details

continued according to the instructions in the Tamiya instructions.

Once the airframe was finished, I pre-shaded the panel boundary lines in XF-1 Flat Black. The South East Asia camouflage was applied freehand by airbrush using AMMO by Mig acrylic shades. The nozzles and thermal guards on the fuselage were painted in XF-56 Metallic Grey and its variations brightened or darkened. The heat-fading effects were achieved with highly diluted, translucent Tamiya X-26 Clear Orange and X-23 Clear Blue.

After painting the radome, barrel fairing end, fin top and other airframe details, the model was gloss varnished (TS-13) before applying the decals from the kit sheet. The characters of the serial number were reversed to obtain an anonymous Phantom from the 469th TFS, 388th TFW





based in Korat, Thailand in 1972. After applying Tamiya Panel Line Accent Color (black) along the structural lines and wiping off the excess in the direction of air flow, a coat of XF-86 Flat varnish was sprayed over the entire model.

The landing gear was assembled and painted in accordance with the instructions. Not being convinced by the durability and realism of vinyl tyres, I used True Details resin wheels instead. The airbrakes were fitted in the deployed position and the external loads – previously assembled and painted – were then installed.

Radome and probe tubes were replaced with Master turned metal parts. One of the criticisms of the 1:32 Tamiya Phantom II is the conspicuous cement line in the jet air intakes. To remedy this, I sealed them

with FOD (Foreign Object Damage) plates. These guards were often installed on parked planes to prevent the entry of foreign objects that could damage the jet blades. I got them from Quickboost. The plane being in the parking lot awaiting the departure on mission, I also installed 'remove before flight' flags in pre-coloured photo-etch by Eduard on the pitot tube, the cluster bombs and the ejection seats. The last step was to install the canopies in the open position.

In conclusion, a project that is both interesting and easy to carry out from start to finish thanks to the ease of assembly and the many accessories to improve a few points and to 'customise' the model. The 1:32 F-4E Phantom II Tamiya is still the best at this scale, even twenty years after its release! ●

FULL-BUILD: GOLD WAR AVIATION

TAMIYA 1:32 MCDONNELL F-4E PHANTOM II EARLY VERSION ● KIT NO.60310

TECHSPEC...

TAMIYA 1:32 MCDONNELL F-4E
PHANTOM II EARLY VERSION KIT
NO.60310

Materials:

Grey and transparent injection-moulded polystyrene, cast metal undercarriage legs, flexible vinyl tyres, micro-screws, waterslide decals

Accessories used:

- True Details: Resin Wheels (32003), Resin Ejection Seats (32401)
- Master: Metal Pitot tubes (32044)
- Eduard: Photo-cut detail set for cockpit (32503), Masks (JX014), Remove Before Flight tags (32886)
- Wingman Models: SUU-30B / B cluster bombs (32005)
- Quickboost: FOD protections (32089)

Main paints used:

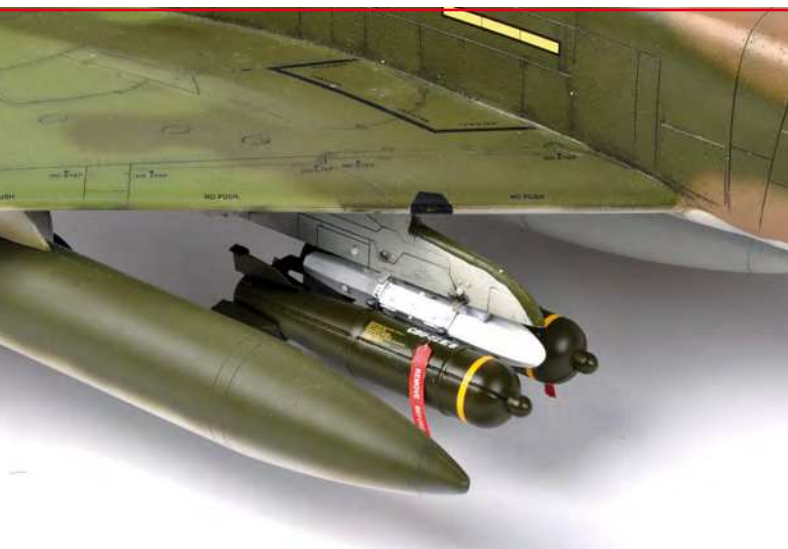
- Tamiya Acrylics: XF-1 Flat Black, X-7 Red, XF-56 Metallic Grey, XF-16 Aluminium, XF-19 Sky Grey, XF-61 Dark Green, X-23 Clear Blue, X-26 Clear Orange.
- Mig Acrylics: 004 Reseda Green FS34102, 202 Tan FS30219, 206 Dark Green FS34079, 226 Grey FS36622

References:

- "F-4E Phantom II Walk Around No. 45", Squadron Signal Publications. ISBN 0-89747-511-9
- "Operation Linebacker I 1972 - The first high-tech air war", Osprey Publishing, ISBN 978-14728-2753-1
- "McDonnell F-4 Phantom - Spirit in the Skies", World air Power Journal, ISBN 1-874023-28-X

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



www.creativemodels.co.uk

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FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I GERMAN TANK DESTROYER ● KIT NO.35370

Marcus Nicholls paints and weathers Tamiya's all-new 1:35 Sd.Kfz.135 Jagdpanzer 'Marder I'

THERE'S BEEN A MARDER!

PART 2





Before I go any further, I must offer an apology for skipping an issue with the concluding part of this article. The plan was for it to appear in Issue 302 but it was just not quite ready in time. But, here it is now! Last time I had pretty much finished the build of the model's main structures, with just a few extras to add, plus the tracks of course.

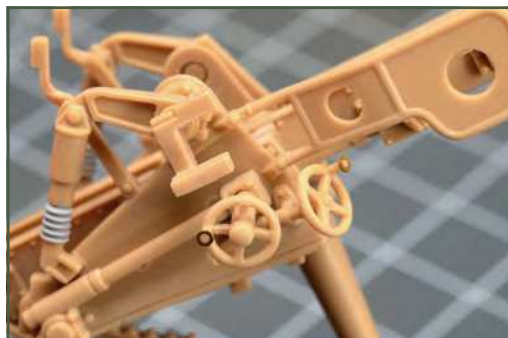
The only 'remedial' work involved the fabrication of the gun cradle lock's support legs which, in reality, are formed from welded steel plate. The kit parts are a little over-thick, so I chose to rebuild them from plastic card which was a fairly easy task. I used the cradle frame parts (D49 and D44) but I did thin them down a little for a more in-scale appearance: a fresh scalpel blade, files and sanding sticks were used to carry this out. Finally, I added some resin and punch-cut bolts to re-detail the areas damaged in the thinning process.

On the Pak 40 gun, I added some small photo-etched brass rings to the elevation/traverse wheels because some reference photos show them with distinct knobs. Turning to the gunsight, I drilled out the eyepiece (D71) wide enough to accommodate a small resin lens to represent an optical element. It can actually be seen quite clearly on the finished model when viewed from behind and really breathes life into this small but essential piece of anti-tank equipment.

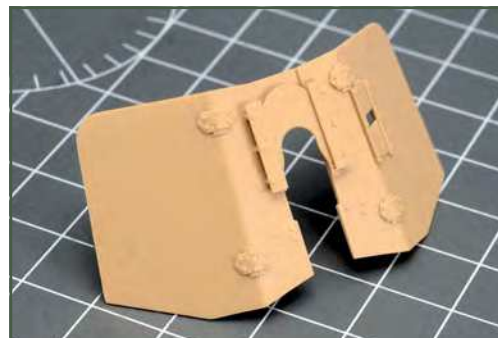
75MM ROUNDS

The kit includes a full rack of complete 7.5cm rounds for the Pak 40 and I chose to cut off the projectiles from three and drill out their ends to represent spent shell casings to place within the fighting compartment. One detail that is missing from the kit's ammunition is the marking on the base of each casing, including the circular firing pin. Aber offer a set of photo-etched brass discs for 7.5cm rounds and I enthusiastically ordered these, expecting a quick and realistic solution. Upon their arrival however, I was disappointed to find they were way too wide for the Marder I's rounds: all Pak 40 ammo is not equal it seems.

ADDING THE MARDER I'S LAST DETAILS



The kit's Pak 40 anti-tank gun is basically excellent but the elevation and traverse wheels could use 'knobs' on their handles. Tiny PE brass rings were used here, so they would naturally find their centre position on the handle



The inverted 'U' shaped panel above the slot for the barrel is designed to slide up and down when the gun is elevated, but careful cementing is required

The Pak 40 is test fitted to the vehicle. It is important that the gun's mount is properly seated in its rebate, or the whole assembly will sit too high



Uniting the assembled armoured side panels must be done with precision by the modeller, to avoid creating gaps where the edges meet

The model build is now complete and will soon receive its first layer of paint. Small patches of filler were applied here and there to fully seal everything up



I've no idea if Tamiya's moulded parts are too narrow or Aber's discs too big, but I still needed to do something with the shells, so I took a short piece of thin steel tube and mounted it in the chuck of a hand drill. I then pressed the tip of the tube into the backplate of each polystyrene round just hard enough to form a circle. The other markings were made with the tips of pointed tweezers. The result is far from perfect but at least the ammunition no longer had plain baseplates. They were sprayed with AK Interactive Gold (AK472) then toned down with Vallejo Sepia Shade. They were a press-fit into the rack, which is just as well because cementing them in would risk ruining the paint finish of the rounds and their rack. Anyway, I'm getting ahead of myself, let's take a look at the tracks...



The engine access hatch handles were replaced with copper wire for a slightly more scale-like appearance



A lock on the driving compartment hatches was fabricated from scrap PE strip and brass wire



The loops along the armour's upper edges were enhanced by drilling holes and inserting new wire items, CA glued and sealed with a dash of Mr Surfacer 500



The gun cradle is a little thick, so it was thinned down with scalpel blades and files. The uprights were rebuilt from plastic card for a thinner profile

TIME FOR SOME FRIULMODEL METAL TRACKS

FRIULMODEL TRACKS

As mentioned last time, the Marder I – as do most of Tamiya's recent armoured fighting vehicle releases – comes with excellent link-and-length tracks moulded in kit plastic. This approach works extremely well and I vacillated between using them or an aftermarket set, but I have a slight obsession with Friulmodel metal links and in the end, set No. ATL-59 were the way to go. The Lorraine tractor/Marder I is a diminutive AFV and correspondingly, the links are tiny. Friulmodel's castings are exquisitely detailed but prone to distortion when pressing in the track pins, so be very careful not to destroy too many. I managed to mangle around seven links but enough spares are provided not only for both runs and the spare links, but also to mitigate any damaged/lost parts.

Once assembled, the links were given a dip into a dish of white vinegar to which a drop

of washing-up liquid had been added. This unpleasant concoction cleans the links of grease and etches them slightly so the chemical treatment to follow will work better. The washing-up liquid reduces surface tension so the fluid can penetrate the recesses of each link to avoid untreated voids.

Another dish was filled with Ultimate Modelling Products 'Ultimate Burnishing Liquid', also with a drop of washing-up liquid added and each track run then lowered in. The blackening begins immediately and with some gentle prodding with a cocktail stick, they should be 'done' in under ten minutes. Once removed from the solution, it's important to give the tracks a really good wash in tap water to halt the chemical reaction. The tracks were then given washes of pigments suspended in white spirit (a gloriously messy and satisfying operation) and left to dry in readiness for fitting to the model. ▶

Tamiya's Marder I comes with link-and-length tracks moulded in kit plastic and they are excellent. For that extra bit of realism, they were replaced with individual link metal tracks from Friulmodel (ATL-59, www.friulmodel.hu)



The Friulmodel track set was not designed for Tamiya's model and they do not fit around the kit's drive sprocket. Friulmodel do provide sprockets in metal but some modification will be required to fit them to the model's hubs



The Lorraine/Marder I track links are tiny and required careful handling during assembly in order not to cause distortion. They do fit around the roadwheels perfectly: a bit of a squeeze around the idler though

UMP's 'Ultimate Burnishing Liquid' chemical track solution was used to give the assembled links a dark, oxidised finish. Here we see one Marder run sitting atop another Friulmodel set for a KV-1!



FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER | GERMAN TANK DESTROYER • KIT NO.35370

PAINTING THE MARDER

Talking of the model... It was now time to get some paint on it. The basic painting procedure is outlined in the photos and captions with this article, so I won't repeat it all here. Suffice to say I used Tamiya Lacquer Paints almost exclusively on this model and they performed flawlessly. I favour LP-16 Wooden Deck Tan as a substitute for dunkelgelb (dark yellow) because it's quite light in tone and allows for a thorough weathering treatment without causing excessive darkening, which can happen over a deeper shade of dark yellow. I diluted the LP-16 approximately 3:2 paint to thinners using Tamiya Lacquer Thinner and applied it with my trusty Iwata HP-BH airbrush.

The olivegrün (olive green) and rotbraun (red-brown) were mixed from mostly Tamiya LP colours, mainly LP-56 Dark Green plus Mr Color Green 312 for the olivegrün and LP-3 Flat Black, LP-21 Italian Red and LP-16 Wooden Deck Tan for the brown. These were then oversprayed with very light layers of well-diluted LP-16 to desaturate the camouflage colours for a more in-scale appearance.

All throughout assembly and the painting stages of this project I had left the suspension units unglued from the lower hull. This would allow me to paint the roadwheel tyres easily, using Vallejo white and black acrylics mixed to form a dark grey shade. The separate suspension sub-assemblies also enabled the tracks to be fitted with relative ease, although this always a heart-in-the-mouth moment for me, on any armour build. A quick check to make sure the sprocket teeth protruded correctly through the drive holes in the track and the Marder I then sat on its finished tracks for the first time. The gun was then lowered into its mount and fixed in place with Revell Contacta cement.

LET'S GET THE MARDER PAINTED!



Here we see some of the paints used to create the three-tone camouflage. The olivegrün and rotbraun shades were mixed from various Tamiya Lacquer Paint colours, including a liberal dollop of Mr Color Green 312 for the olivegrün



The first step was to make the model fully opaque with the application of a dark brown undercoat, mixed from Tamiya LP-3 Flat Black and LP-21 Italian Red. Any black and/or dark brown can be used for this. The suspension is just pressed in place for this stage



The initial dunkelgelb layer was formed from Tamiya LP-16 Wooden Deck Tan. It is significantly lighter than 'actual' dunkelgelb but would darken under successive weathering processes



Using plastic bottles bought in bulk from the internet, the olivegrün and rotbraun were prepared from Tamiya LP paints and tested extensively on scrap kit parts, airbrushing them over layers of LP-16 Wooden Deck Tan to see how they looked together



The rotbraun was airbrushed on using an Iwata HP-BH (www.airbrushes.com) and is seen here midway through spraying. Note that the suspension (still unglued) was removed for the camouflage colour stages



The green is now on and touch-ups in all three shades were made to correct errors and ugly patches. This back-and-forth procedure can take a while but is worth doing to get the pattern just right

With all colours in place, it was time to dial them back in saturation to create a scale-like effect. LP-16 Wooden Deck Tan, further thinned with Tamiya Lacquer Thinner, was sprayed over the whole model, allowing a few seconds to flash-off so the full effect could be checked. This is the model before that process was carried out



SURFACE EFFECTS AND WEATHERING

Before any weathering-proper was carried out, I needed to enhance the numerous panel lines across the model: around the driver's hatch, engine access doors, between the engine louvres, vision slits and more. For this I used Tamiya's remarkable Panel Line Accent Color products, mostly Dark Brown and Black. These are really just very refined, premixed colour washes but the key to their brilliance is the fineness of the pigments. Once they have been thoroughly mixed, the product produces an incredibly deep, dark and consistent finish and dries completely flat. Also, being enamel-based, they are usefully slow-drying and have a long 'adjustability' once applied to the model, meaning they can be altered and corrections made with a simple brush dipped in white spirit, or a Q-tip for larger areas.

The fundamental weathering process could then begin. I employed a very localised application of the 'hairspray' technique to create a partially rubbed/washed off layer of general dust and road dirt. AK Interactive's Heavy Chipping Fluid, thinned with a little tap water, was sprayed over the zones where I wanted to depict most of the accumulated dust: along the side armour and gun-shield, rear and front panels. This was then allowed to dry. A couple of very light layers of well diluted Tamiya XF-57 Buff (three parts X20A Thinner to one part paint) were then sprayed over these areas and again, given half an hour to dry. A soft brush dipped in tap water was then used in downward strokes to partially remove the Tamiya Buff, creating a natural-looking, patchy effect. This approach creates a far more varied and interesting-looking finish than simply airbrushing on the Buff and leaving it and hopefully it can be seen in the accompanying photos.

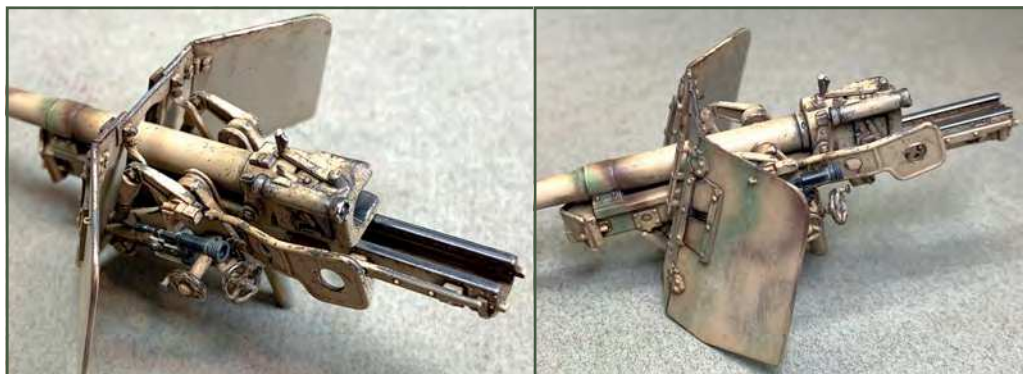
A few other surface effects were used on the model, following the dust process. I thinned down some of the Tamiya Accent Color with white spirit, dipped in a semi-stiff paint brush and

WEATHERING THE MARDER I

Several types of paint were used for the weathering processes: enamels are very useful because they can be adjusted, corrected and refined before they dry, using small brushes moistened with white spirit. The darkened upper edges of the fighting compartment and gun-shield were created with the colours seen here



The dusted effect seen here was formed with the 'hairspray' technique. A coat of AK Interactive's Heavy Chipping Fluid, thinned with water, was airbrushed over the area to be treated, allowed to dry, then a light layer heavily diluted Tamiya XF-57 Buff sprayed on. Once this was dry, a soft brush dipped in tap water was used to partially remove the Buff, creating the patchy effect. 'Flicked on' colour washes, scratches (made with needle-tipped tweezers) and other effects followed



The Pak 40's breech was given a heavily bashed-up look using the enamel paints shown. Humbrol's Metalcote Polished Steel (27003) is particularly useful for the gun's slide, plus an application of a graphite stick on top of the metallic areas



Tamiya's Panel Line Accent Colors are brilliant for creating deep, well defined panel lines on any subject. It is essential to stir the pigment thoroughly for them to work properly, ideally using a motorised paint mixer

FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I GERMAN TANK DESTROYER ● KIT NO.35370

④ flicked it over selected areas of the model to form extra layers of dirt and tarnishing. The effect should be barely visible and any large droplets need to be mopped up with a dry paintbrush. Using a pair of needle-tipped tweezers I made horizontal scratches through the dust to suggest the vehicle had driven through the undergrowth and hedgerows of the Normandy countryside: again, this effect needs to be subtle. ►

The Accent Colors were used to define the driver's compartment and engine hatches, as well as the many dome-headed rivets on the Lorraine hull. A matrix of fine scratches has been made in the paint, although these will be toned down by subsequent weathering effects



An errant drop of cement ended up on the gun barrel and it had to go! Once dry, it was sanded off, back to the plastic



In a few moments, the colours were restored and re-weathered. Never be put off by accidents!



The this machine, from an unidentified unit in Normandy, 1944, simple crosses were applied to the side armour using self-adhesive stencils



Wilder's range of weathering materials includes pigments in a wide variety of shades, perfect for creating dust and stain effects on AFV models



The roadwheels of the Marder I have been some dust build-up in the hubs, plus a coating on the final-drive housing at the front of the chassis



Wilder Desert Sand is pinkish in shade and works well as a warm tone-dust for the lower areas of the model's hull

The powdered pigment was applied in its dry state to the hull front, plus a little on the tracks



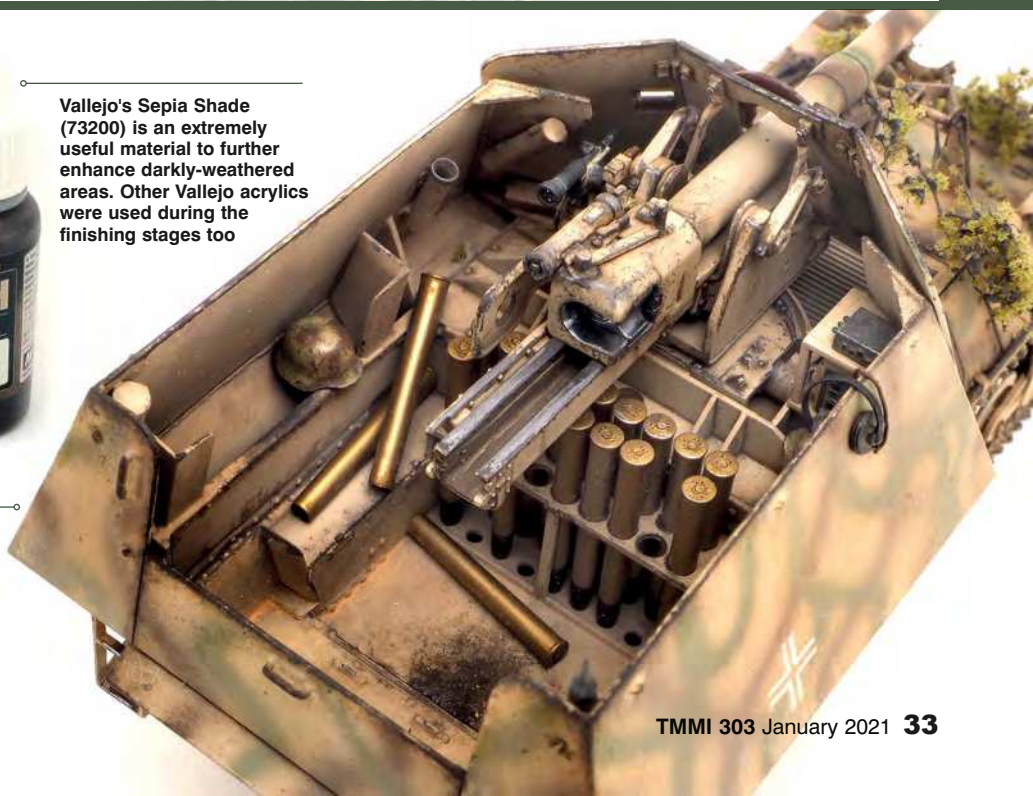
Mig Productions' Oil and Grease Stain Mixture is a gloriously gloopy, glossy liquid that is ideal for oil leaks and spills

The jack was finished off the model so it could be painted in a slightly different shade of dunkelgelb (Tamiya LP-55 Dark Yellow 2) to create a little extra variety of tone



Vallejo's Sepia Shade (73200) is an extremely useful material to further enhance darkly-weathered areas. Other Vallejo acrylics were used during the finishing stages too

A look into the fighting compartment reveals the well-used Pak 40 breech, 75mm rounds plus empty shell cases, a hand-painted steel helmet (one of two) and commander's headphones, the band of which was replaced with scrap PE strip for a more scale-like appearance. Its cables were made from lead wire

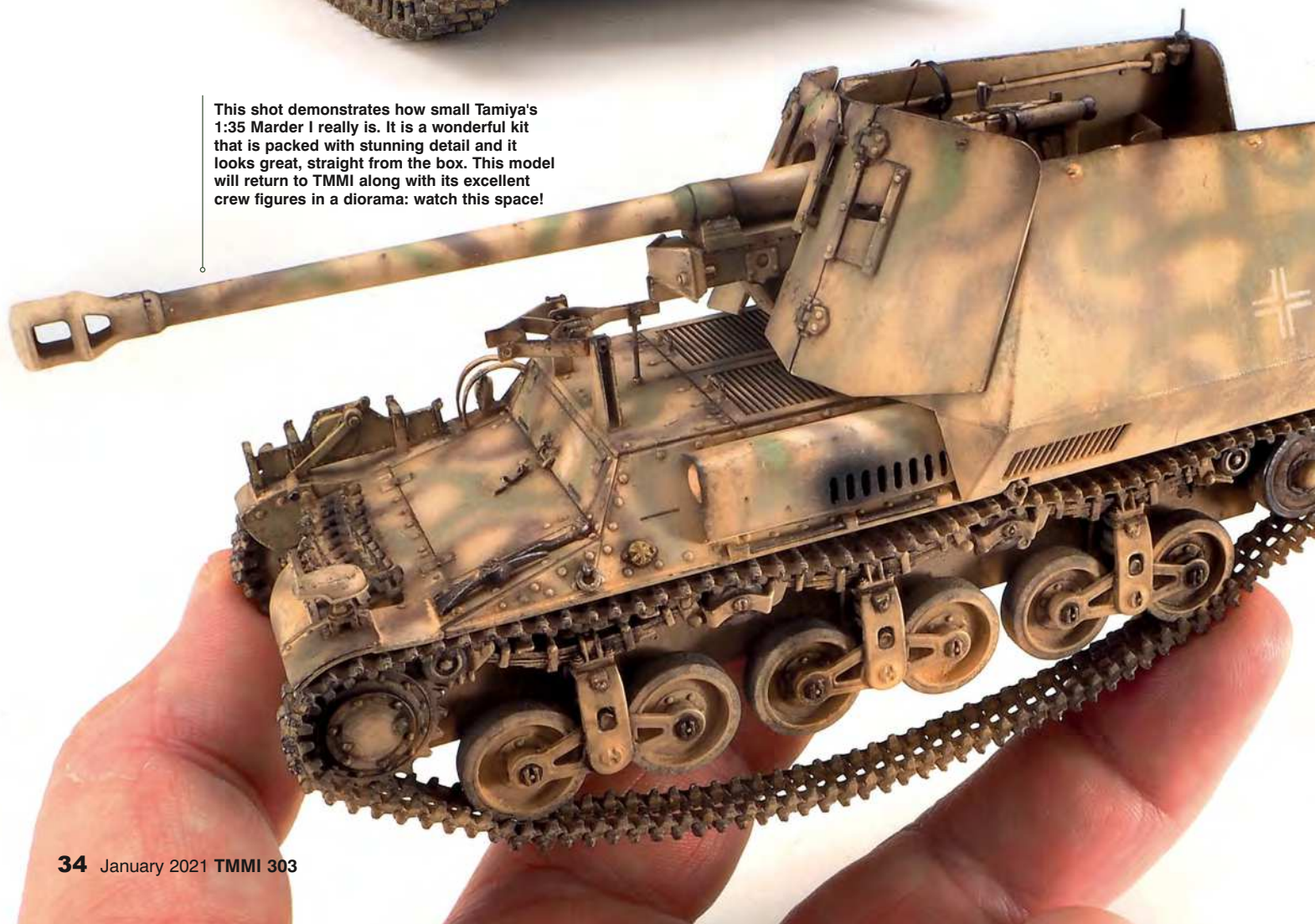


FULL-BUILD: WW2 AXIS ARMOUR

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I GERMAN TANK DESTROYER ● KIT NO.35370



This shot demonstrates how small Tamiya's 1:35 Marder I really is. It is a wonderful kit that is packed with stunning detail and it looks great, straight from the box. This model will return to TMMI along with its excellent crew figures in a diorama: watch this space!





“I used Tamiya Lacquer Paints almost exclusively on this model and they performed flawlessly...”

FINAL THOUGHTS

My intention is to construct a modest diorama for this model and that's when the superb crew figures will come into play. It really would be a shame to not use them and despite my limited figurine painting skills, I am determined that they will inhabit this little model because they are artfully sculpted and lend it a sense of scale. Otherwise, the Marder I was now finished, bar the normal final adjustments. Another fascinating vehicle from the Second World War joins Tamiya's 1:35 Military Miniatures Series and it is an absolute triumph of design, detail, accuracy and buildability. My only criticism is of its leaf springs, highlighted in Part 1 of this article (Issue 301) but otherwise, it's a little masterpiece. All we can hope now is that Tamiya might consider releasing the 15cm sFH 13/1 (Sf) auf Geschützwagen Lorraine Schlepper(f), the 15cm howitzer-equipped variant that looked even more top-heavy than the anti-tank vehicle! ●

TECHSPEC...

TAMIYA 1:35 SD.KFZ.135 JAGDPANZER MARDER I
GERMAN TANK DESTROYER KIT NO.35370

Materials:

- Injection-moulded polystyrene, polycaps, waterslide decals

Paints used:

- Tamiya Lacquer Paints: LP-16 Wooden Deck Tan, LP-56 Dark Green 2, LP-3 Flat Black, LP-21 Italian Red, LP-55 Dark Yellow 2
- Mr Color: Green 312

Weathering:

- Wilder: Light Rust (GP15), Desert Sand (GP28), Medium Brown (GP19), Track Dark Brown (GP16)
- Mig Productions: Oil and Grease Stain Mixture (P410)
- Tamiya Acrylics: XF-57 Buff
- Vallejo Acrylics: Sepia Shade (73200), Model Air Black (71057), White (71002), Panzer Aces Old Wood (310)

Extras used:

- Friulmodel metal tracks Lorraine (ATL-59)
- Modelkasten wingnuts
- Brass wire
- Plastic card
- 1:35 steel helmets from spares box
- UMP Burnishing Liquid

References:

- www.primeportal.net

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
- Friulmodel: www.friulmodel.hu
- Wilder: www.airbrushes.com
- Mig Productions: www.migproductions.com
- Vallejo Acrylics: www.creativemodels.co.uk
- UMP: www.umpretail.com

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LEVEL 3

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EMPIRE
STRIKE BACK



05680 Gift Set - AT-AT, 1:53 - includes poster

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FULL-BUILD: SCALE MOTOR RACING
FUJIMI 1:20 AYRTON SENNA KART 1981 ● KIT NO.09137



AYRTON'S KART: THE BEGINNING OF A LEGEND

The author with the real
DAP kart at an memorial
exhibition for Ayrton Senna



Gennaro Zappa brings
us his interpretation of
Fujimi's 1:20 DAP kart, as
driven by none other than
Ayrton Senna Da Silva





FULL-BUILD: SCALE MOTOR RACING

FUJIMI 1:20 AYRTON SENNA KART 1981 ● KIT NO.09137



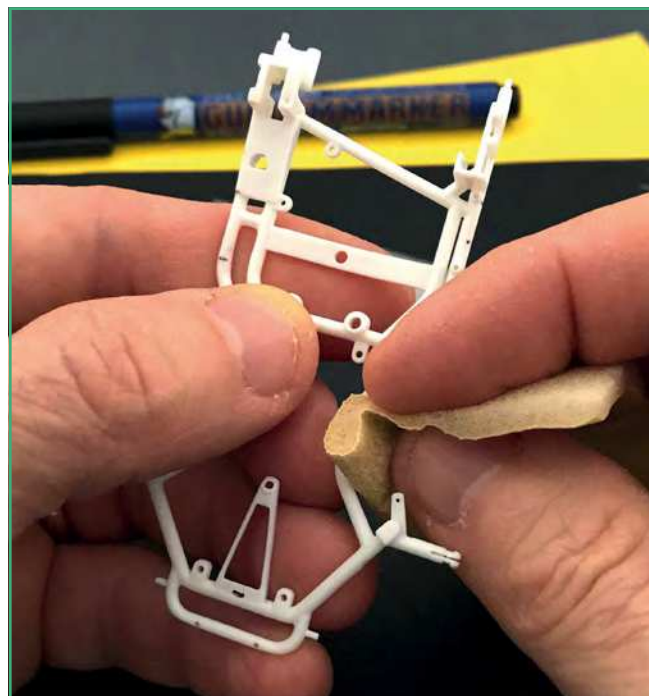
The Fujimi kit is rather basic and needs extra detailing

The passion for engines and being a great fan of Ayrton Senna Da Silva were two reasons that led me to realise a very ambitious project: to create a replica of the legendary DAP kart with which the Brazilian champion came second in the World Championship of Estoril in 1979. To carry out this project I used the only starting point still available today: the Fujimi model in 1:20 scale. This kit is very basic – without wishing to detract from the manufacturer, I would define it as Kinder Egg toy quality – and represents the kart in the configuration used by Senna in the 1981 Parma World Championship, reserved for the 135cc class, although fans will have noticed that in reality, the reproduction is not entirely accurate for this configuration used in this Championship.

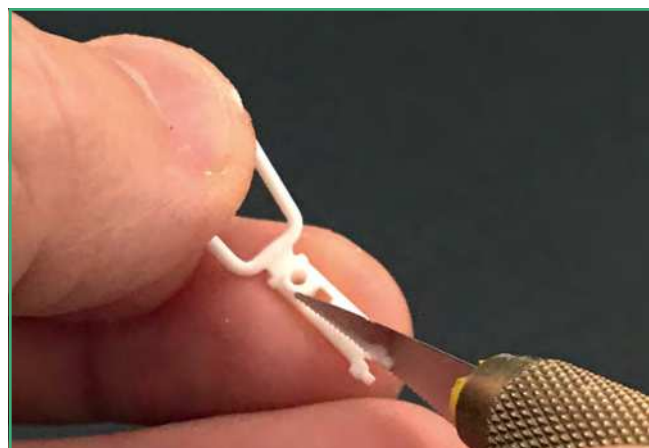
It was therefore necessary to make a series of changes to its components to make it faithful to the original kart, which I saw and photographed in person on the occasion of the 25th anniversary of Ayrton's death on the Imola circuit, where Angelo Parrilla had it for the occasion, exhibited during an exhibition

dedicated to the Brazilian champ. As all enthusiasts know, the kart in question was a DAP WTR 101 wheelbase powered by DAP T70 in 100 Super configuration and a 27mm guillotine carburettor, also branded DAP. Starting from the photos taken on the original kart, I modified the kit to reproduce all the details of the most legendary kart that the history of our sport can remember.

Details such as the modifications to the chassis, where I removed and rebuilt with the same plastic the original configuration, the tie rods and the steering column reproduced in steel, the pedal springs and the muffler, accelerator cable, coil, brake hose. The fuel tank was completely redone with resin and plastic rod and the addition of the petrol pipe. I also used tyre valves produced by Top Studio (TD23025). Another job was the one related to the careful reproduction of the original stickers, where I used the skills of a dear friend who I define a true wizard of graphics! Other details, such as the seat padding tape were reproduced with common masking tape coloured red, while the one below is adhesive aluminium tape.



The chassis was modified for accuracy



A fine saw is being used to alter structural parts



Micro drills were used to open up the wheels for new bolts



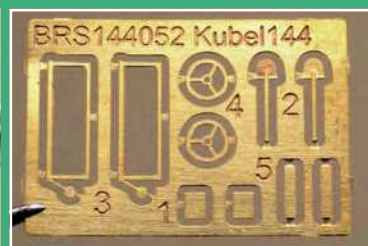
A tyre is being spun on a minidrill to create a smooth tread

Mini Review...

BRENGUN 1:144 KÜBELWAGENS

www.brengun.cz

Think you've seen it all? This pair of Kübelwagens might change your mind. Brengun have crafted this model in 3D and then cast it in more modeller-friendly polyurethane resin and the impressive thing is, apart from the wheels and windscreen, it's all formed from one piece! The interior is fully replicated, including seats, dashboard and steering column. All that needs adding is the steering wheel, windscreen and tools, all to be found on a tiny PE brass fret, along with license plate decals. Incredible!





The parts were organised and stored carefully to avoid getting lost or damaged



The author used photo references when adding extra detail, to ensure accuracy



Ready for paint! Zero Paints, K Color and other brands were used



Decalling time. Custom markings were made for this project

PAINTING THE KART

The plastic drive-chain was thinned and reshaped with the addition of photo-etched links. The chain guard was replaced and remade using a thin strip of semi-transparent plastic as in reality. I partially

rebuilt the carburettor and repositioned it on the outside of the engine, while the spark plug was made of resin from a Brach Model production. Rivets and bolts were added using photo-etched items Top Studio.

To paint the model I used colours from Zero Paints, Tamiya and Kcolors. The green shade of the chassis – instead of the official DAP red – is an anecdote that fans will know very well. The young Ayrton, during a practice session, tested a new liquid-cooled engine, also produced by DAP, on

the only frame available, which was in an unusual green colour because the 'official' racing red frames were all in use for the races. At the end of the test when Ayrton stopped, Parrilla himself asked what he thought of the new engine. The answer was "the engine doesn't work at all, but the



Almost there - just the racing logos and numbers to add



FULL-BUILD: SCALE MOTOR RACING

FUJIMI 1:20 AYRTON SENNA KART 1981 ● KIT NO.09137

“chassis flies”, so that he got to use it for the upcoming championship. The rest is history. In this project of mine, I involved a dear friend and a great portrait artist. I asked him to make a drawing with the model that depicted Ayrton in an unusual pose crouched at his Kart! His was an unconditional love for that medium. ●



It's tiny, even in 1:20!

TECHSPEC...

FUJIMI 1:20 AYRTON SENNA KART 1981
KIT NO.09137

Materials:

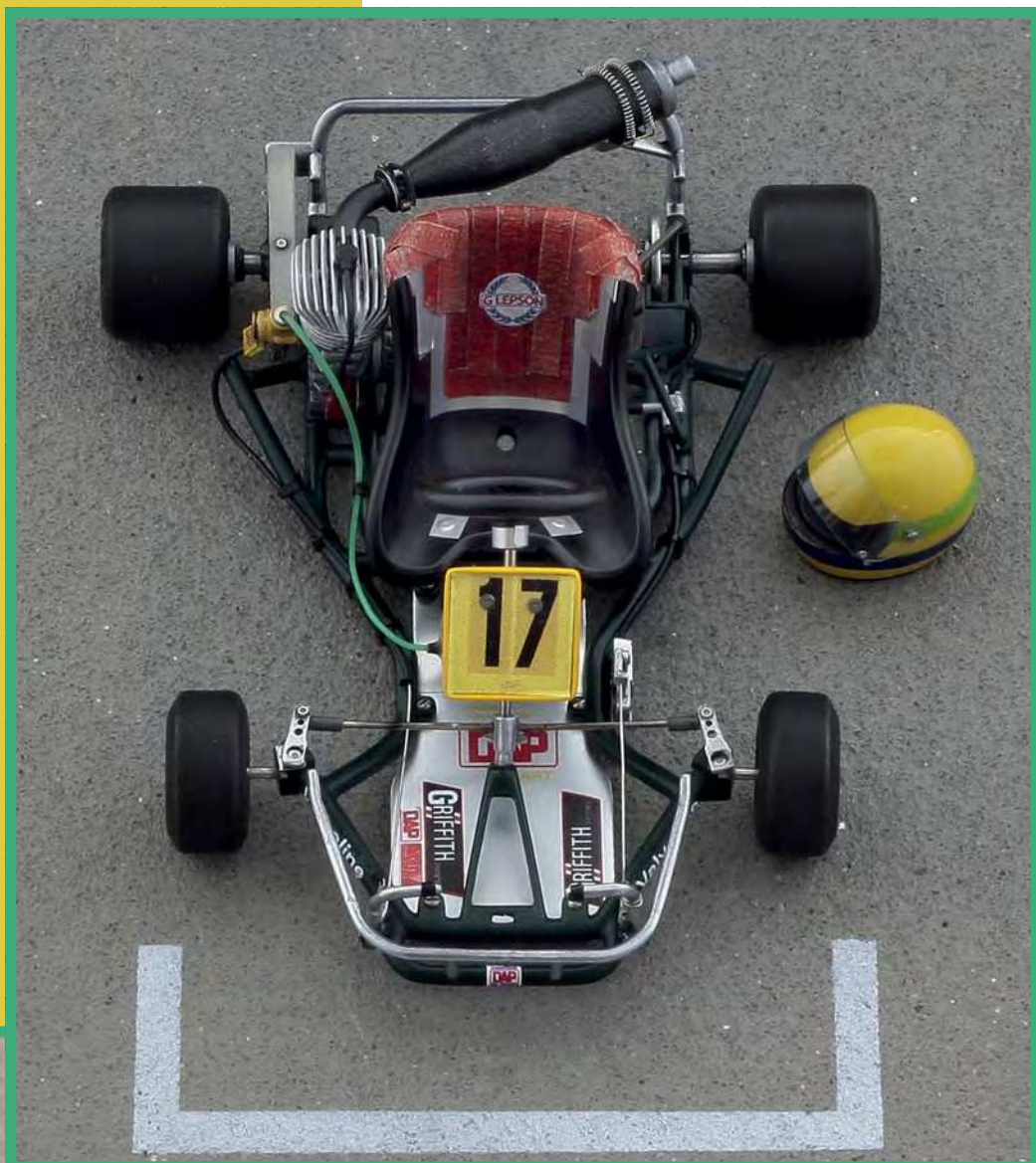
Injection-moulded polystyrene, waterslide decals

Accessories used:

Listed in text

Availability:

Out of production and getting rare.
Keep checking: www.hiroboy.com





AMATI

— est. 1879 —



The Italian way of modeling

Item 1614

Plank on frame

Wooden decks

2266 photoetched parts included

16 plywood laser sheets

Building instructions in

2 colour volumes

GERMAN BATTLESHIP BISMARCK

Kriegsmarine 1941



Made in Italy by Amati

1:200

Length 127 cm.

Height 29,2 cm.

Width 18,2 cm.

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Item 7382
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Item 2260
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Holder



Item 7012
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Item 7386
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Item 7399
Nail Nailer
for iron
and brass nails



PILLAR OF THE (AIRCRAFT) COMMUNITY

Zvezda are, arguably, producing the best kits of medium to large aircraft these days, from military types to civil airliners. Take a look at their 1:144 kit of the Boeing 787-8 Dreamliner as an example: it's superb. Moving up a scale, this Moscow-based maker has recently taken quite a plunge and created an all-new kit of the iconic transport aircraft, the Lockheed C-130H Hercules, and what an impressive model it is.

Arriving in a large and sturdy box with hinged lid, we are presented with eight substantial sprues of grey

polystyrene plus fuselage halves, clear parts and two sheets of waterslide decals, one of which measures a whopping 320mm x 225mm and carries the wing walkway markings. The smaller sheet provides the national insignia and numbers for the five air forces offered as options: United States Air Force, Royal Air Force, Polish Air Force, Japanese Self Defence Force and Republic of Korea Air Force.

From a quick glance at the colour-printed painting/marketing guide, it's pretty clear that these examples were chosen to offer a variety of camouflage schemes and they all have the potential to look very attractive. We snipped the fuselage halves from their runners to test the fit and we were very impressed. The two huge mouldings almost snapped together and exhibited barely a trace of the join line, even without cement. Hopefully the rest of the model will come together

as neatly as this. The cargo compartment comes with a floor, bulkheads, interior panelling, a 'ceiling' with a very decent amount of pipework moulding into it, plus ancillary equipment, seats and windows. It will all look great even if left as standard: with some extra plumbing it could be turned into a work of art. In summary, this looks to be an absolute triumph of a kit with beautifully subtle exterior surface detailing and a very respectable interior. Well done Zvezda, more like this please! ●

TECHSPEC...

ZVEZDA 1:72 C-130H HERCULES
AMERICAN HEAVY TRANSPORT PLANE
KIT NO.7321

Materials:

Injection-moulded polystyrene, waterslide decals

Availability:

Zvezda models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net



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1:32
scalascale

N°2513
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modele reduit

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- Movable variable geometry wings and wing pylons
- Rubber cover for wing entry point into fuselage
- Color instruction sheet
- 4 R.A.F. versions super decals sheet



New Releases

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

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EDUARD, CZECH REPUBLIC

www.eduard.com

Rather than looking in detail at a specific set, this time we have a slew of 'Brassin' packs for aviation munitions across several decades. For the WW2 P-51D Mustang we have a set of underwing rocket launchers in cast polyurethane resin with photo-etched brass details. For fitting to the EA-6B Prowler and EA-18G Growler aircraft, Eduard have created the AN/ALQ-99 pod, coming in grey resin with mounting rail, nosecone parts and data stencil decals. In 1:32 we have four rather magnificent AIM-54A Phoenix long-range, air-to-air missiles, perfect for slinging under the wings of Tamiya's big F-14 Tomcat. Fabulous, high quality products from this Czech manufacturer, with flawless castings and excellent instruction sheets.

1:48 BRASSIN

- P-51D Bazooka rocket launcher (648577)
- AN/ALQ-99 pod low band ((648552)
- 9K114 Sturm missiles (648576)
- CPU-123 Paveway II (648550)
- BOZ-EC pod (648527)
- B8V20 rocket launcher X4 (648575)
- B-61 nuclear bombs (648559)
- Mi-24V 9A624 machine gun (648587) for Zvezda
- Mi-24V GSh-23 cannon (648586) for Zvezda

1:48 BRASSIN

- AIM-54A Phoenix missiles (632147)

1:48 BRASSIN LÖÖK+

- Spitfire Mk.I early (644066) for Eduard
- Kawasaki Ki-61-IId Hien/Tony (644058) for Tamiya
- Bf109G-10 w/early wheels (644045) for Eduard

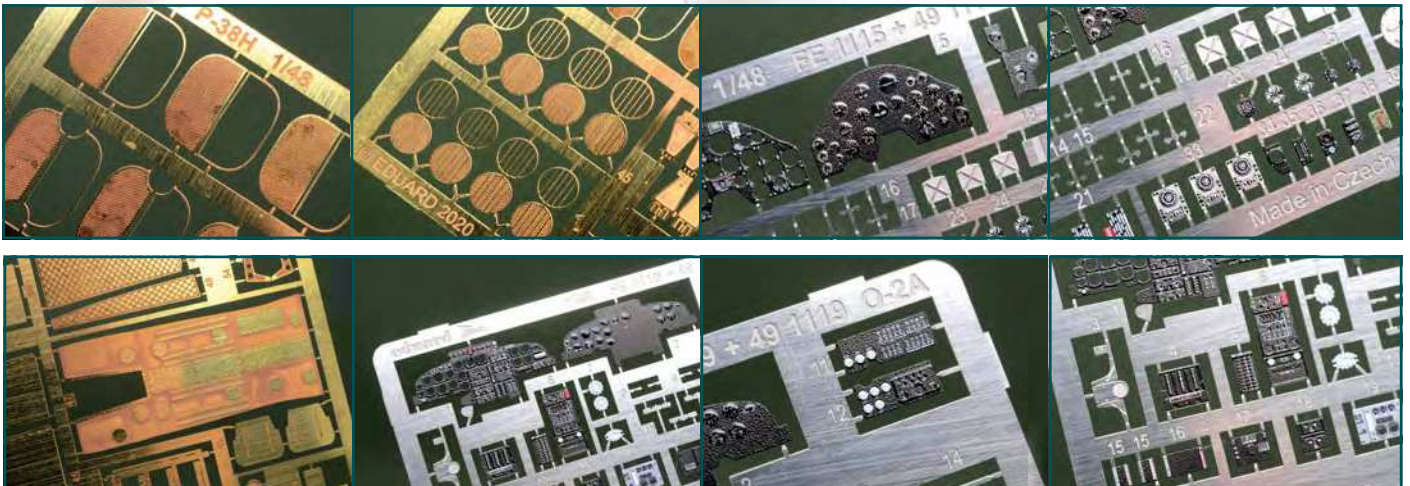
1:48 PHOTO-ETCHED BRASS

- Lockheed P-38H Lightning (491115) for Tamiya
- Cessna O-2A Skymaster (491119) for ICM



Accessories

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



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EPS; EXTRUDED PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL
CHAIN, **MMA**; MACHINED METAL ALLOY, **MR**; METAL ROD, **MW**; METAL WIRE, **MT**; METAL TUBING, **NM**; NYLON MESH, **PE**; PHOTO ETCH, **PEBM**; PHOTO-ETCHED BADGES/MIRRORS,
PCM; PRE-CUT MASKS, **PMP**; PRE-ASSEMBLED METAL PARTS), **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC),
WC; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP



AMMO BY MIG, SPAIN

www.migjimenez.com

New acrylic paint sets from Mig Jimenez's 'AMMO' product line include a pack of six colours for USAF Aggressor squadrons, offering camouflage schemes for desert and 'Arctic' (sic) aircraft to simulate the jets of potential adversaries. Also new is a pack of paints and other materials to recreate mud effects on armour models. It comes with an instruction card that describes the application process and looks very handy indeed.

A very interesting development from AMMO is a set of acrylic drybrushing paints. These appear to have extended drying periods to allow time to apply the technique and from a quick test, they work remarkably well: we'll be trying these in TMMI soon.

Finally, 'British WWII Uniforms' is a very welcome pack of four, hand-paintable acrylic colours that perfectly replicate British and Commonwealth uniforms.

USAF AGGRESSORS DESERT AND ARCTIC COLORS AIR SET (A.MIG-7234)

MUD EFFECTS SUPER PACK (A.MIG-7807)

DIO DRYBRUSH PAINTS (VARIOUS COLOURS)

BRITISH WWII UNIFORMS FIGURES SET (A.MIG-7033)





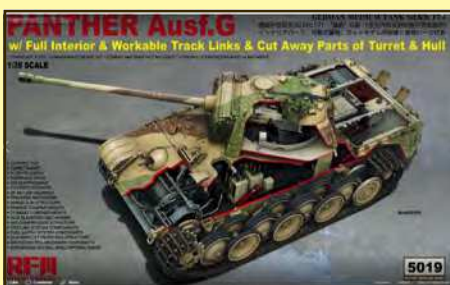
Amusing Hobby (35A027) - In stock now
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Beemax Models (B24017) - In stock now
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New Releases

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

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ICM, UKRAINE DORNIER DO217J-1/2

www.icm.com.ua

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.48272

Ten sprues of injection-moulded polystyrene comprise this kit (nine in grey, one in clear) plus a sheet of waterslide decals carrying sets of markings to complete one of four options. Ukrainian ICM's new kit depicts the solid-nosed variant of the Dornier Do217 which imbues the airframe with a more streamlined appearance than previous versions. The 'J' machine represented in this release by ICM was fitted with BMW 801 engines with machine guns in the solid nose on the J-1 and a radar array in the J-2's nose. The subject is a very decent size in 1:48, offering a wingspan just shy of 40cm, so clear some space in the display cabinet! The cockpit builds up into a beautifully detail area of the model and with the addition of Eduard's photo-etched sets that are already available form this kit, it will look fantastic. Two sprues of parts in this release provide a pair of radial engines and they are nicely detailed, front to back, with individually moulded pushrod discs and ancillary parts, even though this will be largely hidden by the cooling fans up front. The instructions show the engine nacelles being assembled as separate units that include the main undercarriage legs, but it seems that the legs can be fitted later, once the airframe has been painted, a great relief!

-  Superb detail inside and out with attractive markings-options
-  Radar arrays will look better if replace with photo-etched parts



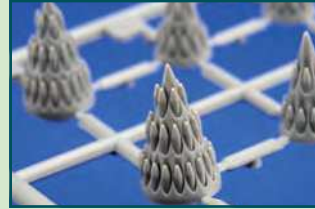
KINETIC MODELS, HONG KONG HARRIER GR.1/GR.3

www.luckymodel.com

SCALE: 1:48 • MATERIALS: IM, PE, WS • ITEM NO.K48060

The Hawker Siddeley Harrier GR.1/GR.3 series was the single-seat version of the famous V/STOL aircraft built for the RAF, which ordered 118 examples, with the last production aircraft delivery being made in December 1986. A total of 122 were built. Kinetic's new 1:48 kit allows the modeller to choose either the GR.1 or GR.3 short or long-nosed variants with no less than seven markings-options being included with the kit. The model consists of nine sprues of injection-moulded grey polystyrene and one in clear. A small but packed fret of photo-etched brass pilot's seat harnesses, plus some exterior airframe add-ons whose positions are indicated in the instructions. The Harrier has quite a complex airframe due to the location of the cockpit directly ahead of the intakes for the Pegasus turbofan engine: only during assembly of the kit would any challenges make themselves apparent but Kinetic have been doing a great job with the precision of their mouldings lately. The four vectored-thrust nozzles in this release can be built to swivel thanks to internal linkages, which is fun, but we'd imagine most modellers will glue them in once they've chosen the angle! AIM-9 L Sidewinders, Matra 155 rocket pods and RN two-inch rocket pods are provided as underwing stores, nicely filling the Harrier's pylons.

-  Fantastic subject choice, superb detail, good underwing store selection
-  Some experience might prove helpful here



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, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAPER STRIP, R; RESIN, SVT; SOFT VINYL TYRES (OR TUBING),



MENG, CHINA

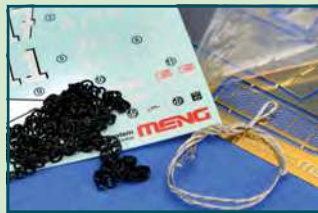
MERKAVA MK.4/4 LIC W/NOCHRI-KAL MINE ROLLER SYSTEM

www.meng-model.com

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.TS-049

After a break of a few years, we are delighted to have model kits from Meng back in Tamiya Model Magazine! The first to arrive was their phenomenal new 1:35 Merkava Mk.4/4 which comes with the Nochri-Kal mine roller fitted to the bow. And what an impressive set-up it makes. This is complex kit and we can see from the depth of the kit box that there are a lot of parts involved: fifteen sprues, including two in black plastic for the individual-link tracks and two in clear for the vision optics plus upper hull, turret halves, photo-etched brass fret, slide-moulded idler wheels, polycaps, metal chain, braided metal wire and waterslide decals. Phew! It's an incredible box-full of parts and you just know you're going to be in for some mammoth model-bench sessions when putting it together. The detail on the hull and turret exteriors is absolutely breathtaking, incorporating a non-slip texture in all the right places, overlaid by scores of tie-downs, bolts, catches, hatches, locks and brackets, all of which will come to life with localised colour-washes after painting. It's a mouthwatering prospect even from our quick, in-box parts inspection and it is very tempting to dive straight in. The mine plough is a little kit on its own, taking up five pages of the instructions booklet! An amazing model from Meng.

- + Marvellous subject, breathtaking detail, lots of multi-media extras
- In no way a criticism, but this is not a quick build!



REVELL, EUROPE

US NAVY LANDING SHIP MEDIUM (BOFORS 40MM GUN)

www.revell.de/en

SCALE: 1:144 • MATERIALS: IM, WC, WS • ITEM NO.05169

The main structural components of this new release come from Revell's US Navy Landing Ship Medium early (05123) first issued back in 2014, so the moulds are recent, which means high quality all round plus detail still as punchy as the day the kit was launched. This new version contains extra parts to form an extended platform over the bow for the mounting of a 40mm Bofors gun, also included on a separate sprue and very nicely detailed. The United States Navy LSM (Landing Ship Medium) was designed with a pair of massive doors at the bow to allow the rapid deployment of its complement of tanks, armoured cars, trucks and troops directly onto a beach or docksides. In accordance with this, Revell's model comes with three M4 Sherman tanks three M8 Greyhound armoured cars and three GMC 'Deuce and a Half' trucks, all of which are highly detailed little replicas with individual track/suspension units for the Shermans and even basic interior detail for the Greyhounds! All that's missing is a crew, plus some GIs and tank crewmen to really bring the model to life. Considering how small some of the parts are in this production, some 1:144 figures would have been fairly straightforward to mould. It is still a wonderful model though, and has masses of up-detailing potential such as the addition of aftermarket photo-etched ladders, rigging and more.

- + An atmospheric replica of an important war-winning vessel with heaps of detail
- A few figures would complete the package



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

What's in the box?

AD; ACETATE DIALS, **AP**; ACRYLIC PAINT, **CC**; CAST CERAMIC (PLASTER), **CMA**; CAST METAL ALLOY, **CP**; CHROMED PARTS, **CPS**; CLEAR PLASTIC SHEET, **DT**; DRY TRANSFER (DECALS), **EM**; ELECTRIC MOTOR **EPS**; EXTRUDED PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LC**; LIQUID CEMENT, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL CHAIN, **MMA**; MACHINED METAL ALLOY, **MR**; METAL ROD, **MT**; METAL TUBING, **MW**; METAL WIRE, **NM**; NYLON MESH, **PB**; PAINT BRUSH, **PCM**; PRE-CUT MASKS, **PE**; PHOTO ETCH, **PEBM**; PHOTO-ETCHED BADGES/MIRRORS, **PMP**; PRE-ASSEMBLED METAL PARTS, **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC), **W**; WOODEN STRIP, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP



REVELL, EUROPE VW T-1 CAMPER

www.revell.de/en

SCALE: 1:24 • MATERIALS: IM, SVT, WS • ITEM NO. 07674

Revell's development team frequently come up with some wonderful subjects to release as scale models and it must be a fun job. One of the latest to arrive at TMMI is the 1:24 Volkswagen T-1 Camper, arguably the original 'recreational vehicle' and one that is packed with charisma and desirability: the prices of the real things are jaw-dropping, clearly indicating how retro-cool they have become. This kit incorporates all of that cult coolness in miniature form, including the kitsch interior seat coverings (decals), the tiny kitchen sink and single-ring hob to the roof-rack and giant, chrome-plated VW badge on the front of the body. The detail inside is fabulous and the enthusiastic modeller can add as much holiday clutter as they wish, using aftermarket and home-made items. The model has a good number of parts (seventeen sprues in white, mid-grey, light-grey, metallic grey, clear and plated) and this is where our only criticism arises. All these frames are crammed into a small, end-opening box which caused some distortion to a couple of sprues, which is a real shame for such a lovely little kit. Anyway, the model is delightful, capturing the spirit of this German camper to a tee and it will be fun to modify (lowered suspension and baby moon hubcaps anyone?), as well as apply some groovy colour schemes.

- Iconic subject, loads of superb detail and character
- Suffers from an end-opening kit box



ZVEZDA, RUSSIA

BERIEV BE-200ES RUSSIAN MULTI-ROLE AMPHIBIOUS AIRCRAFT

www.revell.de/en

SCALE: 1:144 • MATERIALS: IM, WS • ITEM NO. 7034

The Beriev Be-200 'Altair' is an amphibious aircraft designed and built by the Beriev Aircraft Company. It was designed for fire fighting, search and rescue, maritime patrol, cargo and passenger transportation roles and has a capacity of 12,000 litres of water or up to seventy-two passengers. Initiated in 1989 to meet a perceived need for a civilian flying boat smaller than Beriev's military A-40, the Be-200 shares a similar layout to the this machine but is about half its weight. Historical text edited from Wikipedia. It certainly makes a fascinating subject for a model kit, its over-wing engines and T-tail layout giving it a very interesting and rather attractive appearance: it is distinctly Soviet too, which is part of its charm. Zvezda's new-tool kit is moulded across three sprues of grey polystyrene, with one in clear for the cabin windows. A two-part display base is also included, offering the chance to show off the model in flight mode. As with all of Zvezda's recent aircraft kits, the surface detail is sublime (easily as good as Hasegawa) and having been designed digitally, you know it will fit with precision too. Assembly looks quite straightforward and an enthusiastic modeller could have it together in a few days, but the painting and decalling will need to be carried out with precision, as shown in the instructions.

- A wonderfully Soviet-looking design, full of character. Kit has superb detail
- The decalling will need a careful approach



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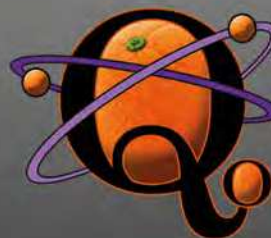
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CONDOR LEGION LEGEND

Russell Mardling builds
Eduard's 1:32 Bf109E as a
fighter that took part in
the Spanish Civil War

The first prototype, known as the V1, flew in 1935 and was powered by a Rolls Royce Kestrel engine. Subsequent variants were initially powered by the Junkers Jumo engine. The E version was the first redesign which had a Daimler Benz DB 601 engine, heavier armament and an increased fuel capacity. The Bf109E first saw service with the Condor Legion during the Spanish Civil War and was the main fighter with the Luftwaffe during the Battle of Britain until 1941, when it was replaced with the F version. ▶







Once glued together, a fitting issue became apparent. Taping and filling/sanding resolved the problem

◀ THE MODEL

Eduard's 1:32 Bf109 was first released in 2009. It has since been released as different versions of the E series including the E1, E3, E4 and E7 Tropical. The latest release depicts machines flown by the Condor Legion during the Spanish Civil War. Examples include two E1s and three E3s. Upon opening the box you are greeted by six sprues of plastic parts that are very well moulded, with only a few sink marks, most notably in the front of the top wing-roots. The clear parts are very good, with detail and clarity being perfect. As this release is a special one, it has all the extras you have in a ProfiPACK release: resin main and tail wheels, together with a sheet of photo-etch and masks.

THE BUILD

Assembly begins as usual with the cockpit, firstly starting with the sidewall panels including photo-etch parts. These were painted with Mr Hobby H70, RLM 02. They were then given a panel line wash from the Tamiya range.

The walls were then attached to the fuselage halves which had also been sprayed with RLM02. The cockpit tub was then assembled and it went together very nicely with the help of photo-etched rudder pedals and various finely detailed chains for the trim control and flaps. The pilot's seat was then painted and enhanced by photo-etch seat belts. Once the control column and oxygen bottle were painted and attached it was the turn of instrument panel.

With this, you have the choice of a injection-moulded part with a decal to add detail, or you can select a flat panel and add various photo-etched parts to it. This was an easy choice for me as it is a far better choice than the first option. The panel was then attached to its mounting, again painted in RLM02. The chin radiator was next to be assembled, the grilles being represented by two parts of etch mounted to a wall which in turn is glued to the top of the intake tunnel. Again all this was painted in RLM02 with the grilles finished with Mr Hobby Dark Iron. This was then installed in one half of the fuselage.

THE ENGINE

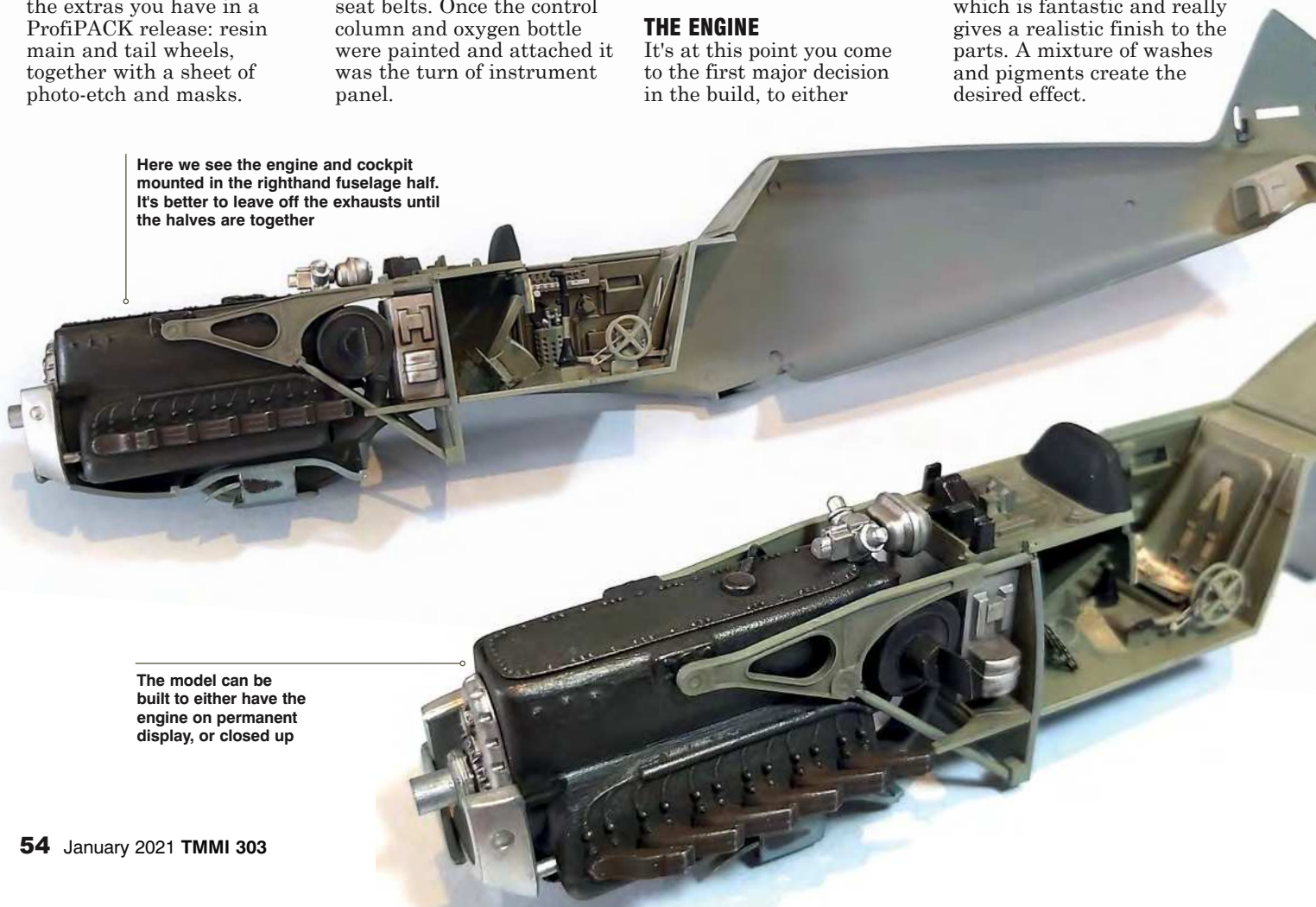
It's at this point you come to the first major decision in the build, to either

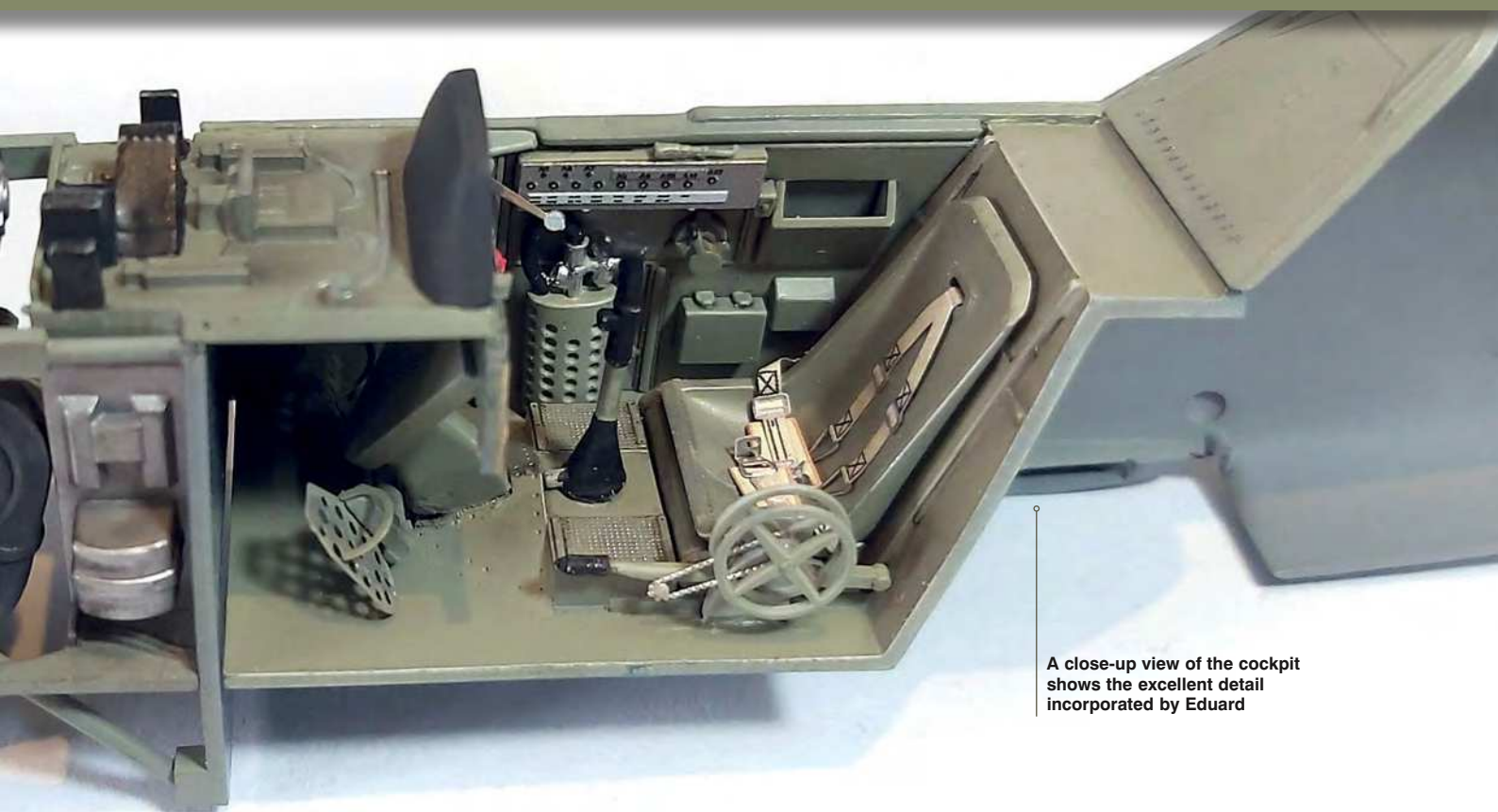
build the aircraft with the engine exposed or to pose it with the cowlings fitted. Unfortunately you can't build the engine and have the cowlings cover it as well, it's one or the other. I decided I had to fit that engine!

This is quite a simple affair which builds up quickly to represent the inverted DB 601 powerplant. I then painted the engine block with Mr Hobby Metallics Dark Iron. Once sprayed and left to dry, you can then burnish the paint which gives a very convincing metallic finish. The exhaust stacks were painted in the same colour, then finished with AK Interactive's exhaust set which is fantastic and really gives a realistic finish to the parts. A mixture of washes and pigments create the desired effect.

Here we see the engine and cockpit mounted in the righthand fuselage half. It's better to leave off the exhausts until the halves are together

The model can be built to either have the engine on permanent display, or closed up





A close-up view of the cockpit shows the excellent detail incorporated by Eduard

Once the firewall and engine bearers were assembled and painted, it was time to mount the various sub-assemblies to one half of the fuselage. It was at this point that I came across the first issue with the kit. The slot that the exhaust stacks sit in is very tight. With a fair amount of fettling of the engine block they finally popped into place but a better option would be to leave one of the exhaust stacks off until the engine is in place and then attach the final stack.

With the cockpit and firewall in place I closed up the two halves of the fuselage. Again I had to

deal with the exhaust issue on the other side which had even less room for manoeuvre but finally it clicked into place. Once glued together and held in place with clamps and tapes I noticed the second issue. This involved the fit of the bottom of the chin radiator which was very poor and required a lot of filling and sanding to achieve the required shape.

FITTING ISSUES

Another area of concern was the front of the fuselage just aft of the prop and spinner which was quite badly warped. I assumed that it was just my example

as none of my friends who have made this kit didn't report this defect. Once the fuselage had gone together I then filled and sanded this area back to shape. The rest of the fuselage was then filled and sanded in the areas that had fit issues including the spine on the top and the bottom of the fuselage.

Any detail that was lost was re-scribed and rivets were replaced with a rivet wheel. The rudder and tailplane were then assembled and attached as well as the struts. The instructions then tell you to paint and attach the tail wheel but I decided to leave

that until it was time to assemble the main wheels and do them all together.

With that, it was onto the wings. At this point you need to make another choice, whether you want to build an E1, which has just machine guns in the wing and no bulge, or an E3 which has both. I chose an early E1 flown in 1938 during the Spanish Civil War. This part of the build starts with the undercarriage sidewalls that were fitted and painted in Mr Hobby Rubber Black with top of the undercarriage bay which was moulded into the top half of the wing and then painted again in RLM02. 



Some filling/sanding was needed where the rear wing root meets the fuselage



Plastic card fillets were used to fill the apertures formed when the flaps are 'dropped'

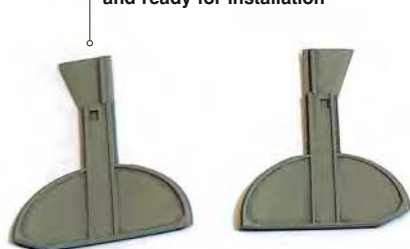
FULL-BUILD: LUFTWAFFE FIGHTER

EDUARD 1:32 LEGION CONDOR BF109E ● KIT NO.11105

First, a layer of primer was airbrushed over the whole airframe

The propeller blades were painted with Mr Hobby H65 Black Green with the spinner in H413 Yellow

Undercarriage legs and doors finished in RLM02 and ready for installation



UNDERCARRIAGE AND FLAPS

On with the relevant bottom half of the wings which first required the gluing of the tunnels for the undercarriage oleos when they were in the retracted position. They were then flipped over for the cementing of the wing radiator grilles which were again from the sheet of photo-etch and painted Dark Iron. The wing halves were then glued together and left to dry using clamps. The fit of these were very good and once dry the flaps were then attached and glued into place.

These were posed in the down position. Once done it

was time to attach the wing to the fuselage which was anchored with Tamiya tape whilst it was drying. The fit here was not good as there were sizeable gaps at the rear of the wing roots where it fits into the fuselage. This required filling and sanding and once done, re-scribing.

The rest of the wing roots needed filling and sanding along the seams, plus a sink mark on both of the top half of the wing root leading edges also needed attention. After what seemed forever, all the filling and the sanding was finished, with the wing radiator covers

and the last two flap parts attached it was ready to mask off the exposed engine, cockpit and wheel wells for priming the model.

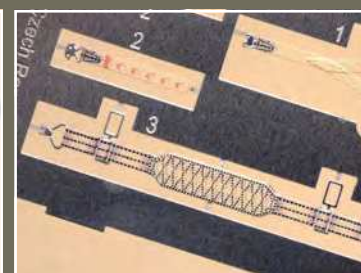
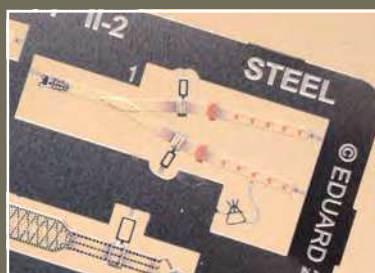
I used my usual primer which is Alclad 2 Grey Plastic Primer which forms a very fine finish for the following colours. Before progressing with the final colours on the model, I turned to the undercarriage. These were finely moulded and had a very good level of detail. The oleos and undercarriage doors were both painted in RLM02 with the compression joints painted in chrome. The resin

wheels were beautifully detailed and far better than the kit examples. The wheels were then painted in Tamiya X-18 Semi-Gloss Black and the tyres in AK Interactive Real Colors Rubber Black. This lacquer paint goes on beautifully with a lovely finish, but I found this shade a bit too light so I weathered them with the AK Interactive undercarriage set that had washes and pigments to bring the tone of the tyres to a satisfactory shade. I then repeated the process with the tail wheel, also in resin including decals to represent white wall tyres.

Mini Review...

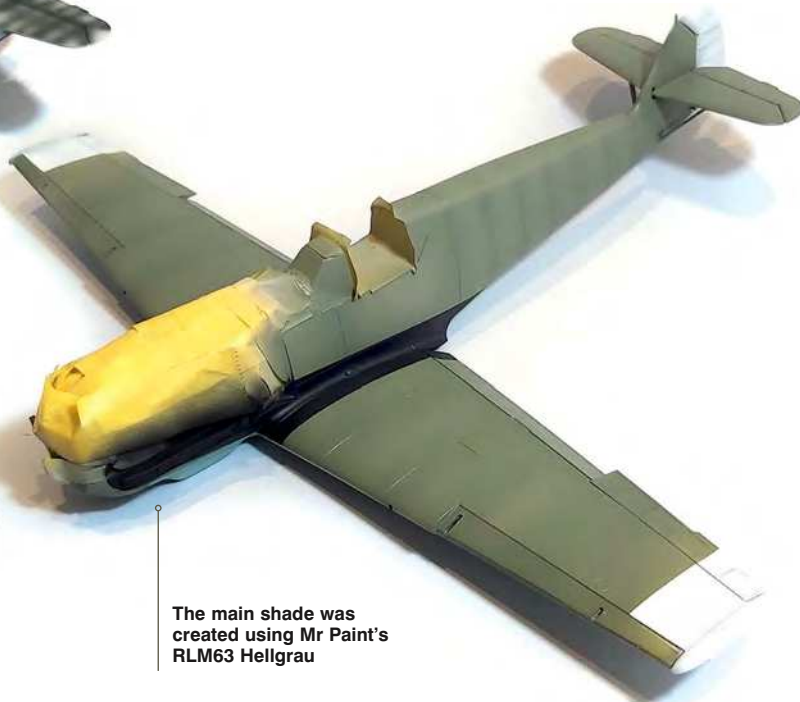
EDUARD LÖÖK SET FOR TAMIYA 1:48 IL-2 STURMOVIK (644042)
www.creativemodels.co.uk www.eduard.com

The set provides an astonishing new instrument panel and seat harnesses for Tamiya's gorgeous 1:48 Sturmovik. The panel is cast in grey resin and is pre-coloured, with a grey background and black dials, each topped-off with gloss finish to depict the glass. The seat harnesses are also pre-coloured and just need bending to shape and gluing in place.





Before the main colours, a little matt black pre-shading



The main shade was created using Mr Paint's RLM63 Hellgrau

PROP AND CANOPY

The propeller and spinner were next to be assembled and painted. The prop blades were painted in H65 Black Green and the spinner in H413 Yellow. Once dry I gave the props a drybrushing to replicate chipping and the same treatment on the spinner. The front windscreen and rear canopy were then

cemented and masked ready for painting. At this point I noticed that the rear part of the canopy didn't fit flush to the fuselage. This issue was solved by applying a fine line of Mr Surfacer 500, which, once dry, was carefully sanded, so the canopy sat flush with the fuselage.

The model was now ready for painting. I first applied some pre-shading

using Tamiya XF-1 Flat Black. I was going to use my usual Mr Hobby paints but unfortunately they didn't have a colour for the upper surfaces (RLM63). Mr Hobby's H308 is grey and nothing like the green shade RLM63. So I decided to use MRP paints as their RLM63 is a good match. These are airbrush-ready lacquer paints and spray

beautifully. The first to go on was the underside colour of RLM65. This was built up using several layers to get the desired effect. I found that the paint is quite translucent so needs a few coats to get to the right opacity.

The model was then masked up in readiness for the painting of the upper surfaces. Again the colour





❶ had to be built up in layers to get to the correct shade and in hindsight I would have used a medium grey as a pre-shade colour as it took around four attempts for the black to end up being subtle enough so that I was satisfied with the final result.

With the initial painting done, the markings around the exhaust and the wing-walk areas were

painted black. Chipping and wear along the walk ways was represented using an aluminium AK Interactive colour pencil. The model was then given a coat of gloss varnish in readiness for the decals. These were very well printed with just the right thickness and they went on very well and conformed with the panel lines perfectly with a little help of decal solutions.

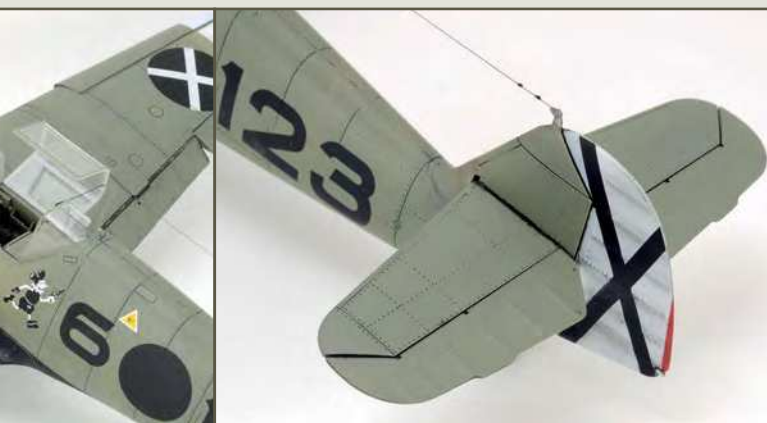
MARKINGS

I found that the wing decals were too small. Eduard was aware of this so after an email was sent, I received a sheet that had the correct size markings. Once all the decals had been applied, the model was sprayed with a final coat of matt varnish. Now it was down to painting the last few parts including the final section of the canopy that was posed

open, plus the undercarriage doors. These were then attached to the legs and the wheels glued at the correct angle.

When the legs were glued into the wings I found the locating pegs were a bit too shallow and getting the correct angle for them proved to be tricky. Once the tail wheel was glued into place, all that was left was to attach the canopy





and glue the aerial in place. Uschi thread was used for the aerial wire which finished the model off.

CONCLUSION

Eduard's 1:32 BF109 is showing its age now. It isn't as refined as the recent 1:48 scale releases but with a bit of work and patience it builds into a fine representation of this aircraft. ●

TECHSPEC...

Materials:

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

Paints used:

- Tamiya X-18 Semi-Gloss Black
- Alclad 2 Grey Plastic Primer
- Mr Hobby Rubber Black, H65 Black Green, H413 Yellow,
- Mr Paint MRP RLM63

Availability

Eduard models and accessories are widely available from good model shops and online. www.creativemodels.co.uk www.eduard.com



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Book Reviews

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PANZER I & II VISUAL MODELERS GUIDE

AMMO BY MIG JIMENEZ
www.migjimenez.com

The Panzer I, although a very small tankette, is a very appealing subject for a model kit and AMMO's book provides a detailed look at an Ausf B in the El Goloso Museum in Madrid as well as the Kleiner Panzerbefehlswagen on display at the Tank Museum, Bovington, UK. Also covered in this book is the Pz.Kpfw.II with some useful imagery of preserved examples from the Musée des Blindés, Saumur, France and Tank Museum, Bovington. Finally we have section on the Pz.Kpfw.II Ausf L 'Lynx' which is an entirely different machine to the 'standard' Pz.II and a fascinating one too. Some excellent photos of these machines will be found here and at just €12.50 it represents remarkable value for money.



PORSCHE 911 CLASSIC GERMAN SPORTS CAR

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www.pen-and-sword.co.uk

The Porsche 911 is an eternal classic and an object of desire for many. This soft-backed book of sixty-eight pages chronicles the type from the early days of the gorgeous 356, offering decent sized colour photographs of the various incarnations over the decades. An informative text accompanies the imagery. Naturally, there's a scale modelling section and here we have miniatures from Tamiya (of course), Amalgam, Schuco and Revell. Tamiya's iconic 1:12 934 RSR Turbo in the orange Jägermeister livery features prominently here, as it rightly should!



HOW TO PAINT BRICK BUILDINGS, COLORS AND WEATHERING SYSTEM

AMMO BY MIG JIMENEZ
www.migjimenez.com

In this book/promotional publication from Spanish manufacturer AMMO by Mig we are taken on a journey of the construction, painting and weathering of a 1:35 brick-built church kit: MiniArt's Ruined Church (35533) to be specific. What the authors manage to achieve with this vacuum-formed polystyrene kit is nothing short of a miracle – which is not to say the kit isn't any good, it is – but how the grey mouldings are transformed into completely convincing brickwork using just paints and weathering products (all AMMO, of course) is extremely impressive. The photos are very clear and easy to follow and each product used is shown alongside every step of the process.





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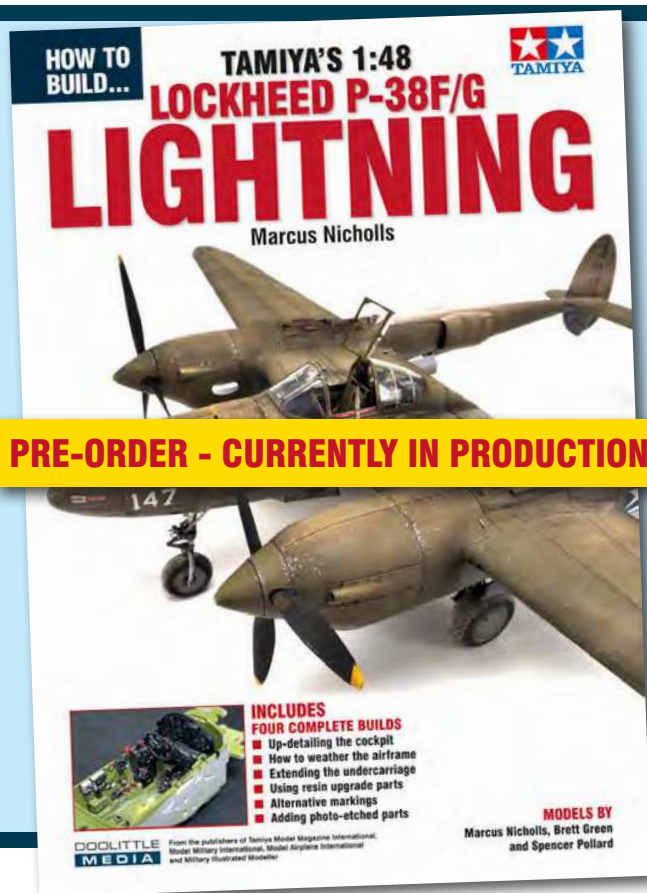
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NEW in the 'HOW TO BUILD...' series



How to Build... TAMIYA'S 1:48 LOCKHEED P-38F/G LIGHTNING

Pre-order currently in production. By Marcus Nicholls.

The Lockheed P-38 Lightning is an iconic US fighter from the Second World War. Its twin Allison V12 engines were mounted in booms to free-up the nose so it could house a fearsome array of four M2 Browning machine guns and a 20mm cannon. The twin-boom airframe became a sight feared by enemies wherever it served, with good reason.

In 2019, after several years of painstaking research, Tamiya released an all-new kit of this sleek aircraft and it has taken its place proudly in the 1:48 Aircraft Series as No.120 in the range.

In this new 'How To Build' book, Tamiya Model Magazine's Editor, Marcus Nicholls, presents no less than four built-up examples of Tamiya's fantastic model; one Lightning each from Brett Green and Spencer Pollard, plus two from Marcus Nicholls.

The second of Marcus's models incorporates resin and photo-etched super-detail sets from Eduard, showing how they can be used within the build to take the detail to an even higher level. New photos of the other models show how Brett Green and Spencer Pollard built and painted the models in their own styles.

The book includes four complete builds, covering the following topics:

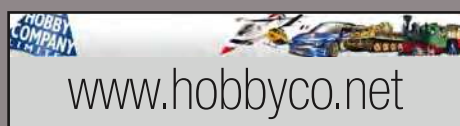
- Adding photo-etched parts
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Camouflaging Tamiya's
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...AND MUCH MORE, OF COURSE!

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...

Tamiya's Matra MS11 is back, with help from Ebbro

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FRENCH BLUE

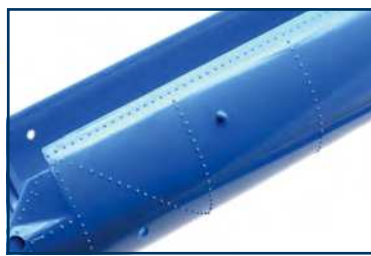
Tamiya originally released the 1:12 Matra MS11 in 1968 as No.5 in the 'Big Scale' series. It has never been re-issued since but now, thanks to the Japanese model company Ebbro, this magnificent model sees the light of day again. And the bonus with this issue is the inclusion of a new sheet of photo-etched metal which provides an intake grille for the nosecone, brake rotor faces

and buckles for the seat harness. A sheet of self-adhesive fabric provides the webbing parts of the harness. One of the great things about the Big Series was the inclusion of a driver figure which really adds life to the model, sadly lacking in later kits. This is a great opportunity to get your hands on this classic, but don't delay, it's a limited edition! ●



Availability;

Ebbro models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited www.hobbyco.net



Honda CBR1000RR-R FIREBLADE SP

1/12 Motorcycle Series (Item 14138)

1/12
SCALE

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RR-R SP



The Complete Package

Legendary motorcycle manufacturer Honda wowed the world again in 2019 with the announcement of the CBR1000RR-R Fireblade, a bike built to ride the roads, but with a decidedly circuit-oriented feel: its powerful 999cc engine pumps out a class-leading 217.5PS, augmented by a full suite of electronics designed to help the rider use the motorcycle to its maximum potential, plus electronically controlled suspension on the high grade SP specification bike. Next-level aerodynamics integrate triple winglets in either side cowl. This sleek powerhouse now makes its way into the extensive Tamiya 1/12 Motorcycle Series of models, dripping with scale detail and ready to be the next hot thing in your collection.



① Features a removable tank cover. The engine-top airbox is a separate part. ② Realistic parts breakdowns are used for the triple winglets on the inside of the side cowls, and the central ram air intake.



Slide molded fuel tank and tank cover components capture the complex shapes in style.

Choose whether to assemble with the standard tandem or the optional single seat design.

Add another layer of breathtaking detail!

Detail-Up Parts Series

**1/12 Honda CBR1000RR-R
Front Fork Set**

Item 12690 (sold separately)

On Sale Now!



★Images show assembled and painted kit. ★Product may vary from images shown. ★Models shown have separately sold Item 12690 installed.



The high performance 999cc engine is recreated in style.
Muffler is produced using slide molding.

Features a realistic rendering of the muffler, developed by Honda in conjunction with racing brand Akrapovic.

★Engine, swing arm, front fork and muffler are screw-attached to the frame. ★Side and under cowls are removable. ★Brake discs have drill holes recreated. ★Metal transfers depict mirror surfaces.



Racing stand included.

Comes with decals for two liveries, and masking stickers.

Length: 176mm Width: 68mm Height: 96mm

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Porsche 935 MARTINI

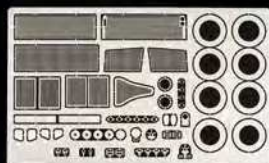


The Build of a Lifetime

1/12 Big Scale Racing Car Series

Porsche 935 Martini (Item 12057)

Our 1977 model of the Porsche 935 Martini has long been a favorite of modelers across the globe, thanks to superlative detail that lives up to the stylish illustration from its packaging, shown above. With numerous minute depictions of various features across this stylish racing car, it provided an enthralling and educational experience. Now, this classic kit is back, and with new features that will make it even harder to resist: Cartograf deals with sumptuous color, and improved slick tires. Don't miss this opportunity to get your hands on the Porsche works car that triumphed in the 1976 World Championship for Makes, in 1/12 scale. It will be a truly rewarding build.



(Photo-etched parts)

Length: 395mm, width: 173mm,
height: 156mm (includes antenna)



Front hood is removable, allowing inspection of fuel tank, oil tank, battery and washer tank.



Opening doors show off the cockpit detailed with roll cage. The steering wheel turns the front wheels.

★Photo-etched parts are used for front spoiler air intake mesh, brake discs, and side radiator parts. ★Comes with a metal roof antenna. ★An opening engine hood gives access to the detailed 6-cylinder boxer engine, with depictions of turbocharger and even various cables and lines.



Underside features coil-sprung suspension with smooth motion, plus a realistic depiction of the engine bottom.



High quality details are made by Cartograf.

Photo-etched buckles and faux cloth give realistic seatbelts.



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

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Model is intended for adult hobbyists - not a toy.

