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DETAILS INSIDE...



£4.60 July 2020 ISSUE 297

Model MAGAZINE

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INTERNATIONAL

ITALERI 1:9 NORTON UPGRADED

RE-SPOKING THE WHEELS
OF A LARGE-SCALE
MOTORCYCLE KIT

STURMVOGEL
IN 1:32
BUILDING REVELL'S
BIG ME262



TAMIYA'S
BMW 635CSI
JÄGERMEISTER

CSI:
MUNICH!

INSIDE...

Tamiya's new 1:12 Honda Fireblade, Zvezda's Koalitsiya in 1:35, Tamiya 1:10 RC Land Rover, plus new kits, books and modelling accessories...

DOOLITTLE
MEDIA



9 770912 971149

1/48
MM
MILITARY MINIATURE SERIES

RUSSIAN
MEDIUM
TANK **T-55**



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A Prolific Design

1/48 Military Miniature Series Russian Medium Tank T-55 (Item 32598)

The T-55 was born in 1958 - an era of increasing West-East Cold War tension - as an upgrade to the existing T-54. It was also produced under license outside the Soviet Union, and when added with the T-54 its production run is said to have run to the astonishing number of 100,000 units. Warsaw Pact countries and Arab client states were among those who operated the T-55, which saw significant action across the world against counterpart Western designs. Now, it is the newest member of the Tamiya 1/48 Military Miniature Series, a compact model endowed with detail that goes down to the surface textures and weld lines, and even includes a realistic figure. Whether building it as a stand-alone model or to place in dioramas with other tanks that served in the Middle East or the Gulf War, it will be a valued addition to your collection.

★The low-profile T-55 form with hemispherical turret and 100mm gun is accurately captured. ★Features a detailed DShK-M anti-air machine gun. ★Assembly type tracks feature one-piece straight sections and accurately capture upper run 'sag.' ★A weight in the hull gives the model an authentically bulky feel.



Superb detail abounds on the turret, from the rough cast surface texture to the mantlet cover, and taking in the anti-air machine gun.



1/48
MM
MILITARY MINIATURE SERIES

★One marking option included.

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

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

Company for your T-55: other 1/48 Military Miniature Series Russian AFVs



Russian Tank T34/76
Model 1941 (Cast Turret) (Item 32515)



Russian Heavy Tank KV-1
(Item 32535)



Russian Heavy Tank JS-2
Model 1944 ChKZ (Item 32571)

TAMIYA, INC. 3-7 ONDAWARA, SURUGA-KU, SHIZUOKA 422-8610 JAPAN
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Issue 297 July 2020

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IN BRIEF...

TAMIYA

- 1:32 Mini4WD Spin-Viper
- 1:32 Mini4WD Mach Frame Black Special
- 1:32 Mini4WD Dioramas-Nero
- 1:32 Mini4WD 17mm Aluminum Ball-Race Rollers (Dish Type) w/Plastic Rings (Red)
- 1:32 Mini4WD HG 19mm Tapered Aluminum Ball-Race Rollers (Ringless/Gold)
- 1:32 Mini4WD HG Aluminum Deep Rim Wheels for Low-Profile Tires (2pcs.)
- HG Heavy Aluminum Wheels for Low-Profile Tires (2pcs.)
- 1:32 Mini4WD 13mm Aluminum Ball-Race Rollers (Ringless/Blue)
- 1:32 Mini4WD 13mm Aluminum Ball-Race Rollers (Ringless/Red)

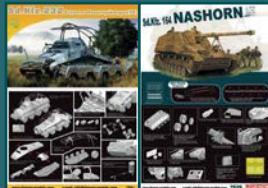
hobbyco.net



DRAGON

- 1:72 Sd.Kfz.232 Schwerer Panzerspähwagen (FÜ)
- 1:72 Sd.Kfz.164 Nashorn

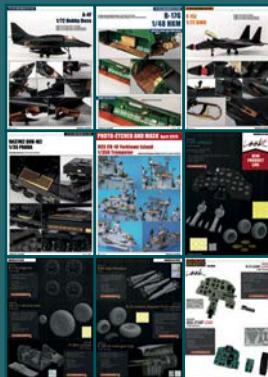
hobbyco.net



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eduard.com creativemodels.co.uk



HASEGAWA

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amerang.co.uk



MINIART

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- 1:35 Propane/butane cylinders
- 1:35 British AFV Crew
- 1:35 Middle East tank crew

creativemodels.co.uk



REVELL

- Aircraft Model Stands
- 1:32 Supermarine Spitfire Mk.IXc Technik
- 1:350 HMS Dreadnought
- 1:72 Model Set Bell UH-1D SAR
- 1:25 Model Set '69 Ford Mustang Boss 302
- 1:24 Model Set Citroen 2CV Coccinelle

revell.de/en



ZOOM-ON

- 1:24 Hood structure detail parts for Tamiya Skyline, Supra, 300ZX

zoomonmodel.com



ZVEZDA

- 1:72 Republican Roman Cavalry
- 1:72 Russian Artillery of Peter the Great

hobbyco.net



NEW FROM TAMIYA

1:10 RC eGEN2

Tamiya's new eGEN2 car is an RC assembly kit depicting the Gen2 EVO car used from 2018 in the Formula E Championship: the model is based on the shaft-driven 4WD of the TC-01 chassis. This durable composite monocoque-frame chassis provides shaft driven 4WD from a central motor via front and rear propeller shafts, with oil filled gear differentials. Preview soon!



NEW FROM TAMIYA

New and on-the-way RC cars

- 1:10 RC TA07RR Chassis Kit
- 1:24 RC Tamiya MadMud Assembly Kit (SW-01 chassis)
- 1:10 RC Tamiya Suzuki Swift Sport (M-05L chassis)
- Super Storm Dragon (Hornet Chassis)
- Tamiya Comical Avante (GF-01CB chassis)

www.tamiya.com www.hobbyco.net

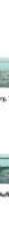


NEW FROM EDUARD

1:32 Messerschmitt Me108 Taifun

Eduard have listed a 1:48 Messerschmitt Me108 in their catalogues for many years and now they have a 1:32 kit coming. It's 100% new and will be complemented by a host of add-ons and hop-ups!

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



ON THE WAY FROM REVELL

1:144 Airbus A321neo

This is a new tooling of the versatile Airbus A321neo and therefore incorporates all the refinements expected of a new model. The kit comes with Airbus corporate livery but expect many aftermarket decal sets to follow. www.revell.de/en

NEW FROM ZVEZDA

1:72 T-28 Soviet heavy tank (new tooling)

500 T-28 tanks were manufactured between 1933 and 1941 and their first combat use was the Soviet-Finnish Winter War 1939. This new tooling kit consists of 201 parts, link-and-length tracks and decal for one Soviet unit.

www.hobbyco.net



NEW FROM MINIART - 1:35 Croatian T-55

MiniArt's latest T-55 release depicts a tank that took part in the Croatian conflict of the 1990s. Colourful camouflage schemes and markings.

www.creativemodels.co.uk www.miniart-models.com



NEW FROM MINIART - 1:35 T34-85

Any new kit of the iconic T-34 is always welcome and when it comes with engine and full fighting-compartment detail it will be hard to resist. Expect another MiniArt mega-production. www.creativemodels.co.uk www.miniart-models.com



NEW FROM ICM - 1:48 Cessna O-2A Skymaster 1:48

Wonderful new from Ukraine in the form of a new-tool Cessna O-2A Skymaster in 1:48! This interesting machine flew Forward Air Control missions during the Vietnam War. More news as we get it.

www.icm.com.ua



NEW FROM TAMIYA

Educational Construction Series Gondola Lift and Kayak

New to Tamiya's long-running and expansive Educational Construction Series are the 'Gondola Lift' and Kayak with Dynamic Padding Power! These wonderful little kits are fun for younger (and older) modellers to build and play with and all of them are manufactured to Tamiya's exacting standards.

www.hobbyco.net

NEW FROM REVELL - Catalogue 2020

Revell's current catalogue is on sale and contains a glossy summary of the new and existing kits in the range. www.revell.de/en



eduard Spitfire Mk.VIII

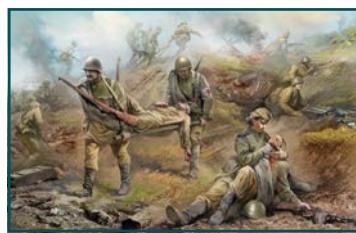


NEW FROM EDUARD

1:48 Spitfire Mk.VIII

This Weekend Edition of Eduard's sublime Spitfire Mk.VIII in 1:48 ditches the photo-etched parts for a fun, quick build. Markings for RAF SEAC aircraft.

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



NEW FROM ZVEZDA

New releases in various scales

1:72 T-90MS Russian main battle tank: The T-90 MS is a complete modernisation of the successful T-90 series, armed with a 125mm high accuracy gun 2A46M-5 and a remote 7.62mm MG on the top of turret. It has a crew of three. This new-tool kit consists of 198 parts with link-and-length tracks plus decals for various Russian units.

1:100 T-28 Soviet heavy tank WWII: No glue required! Kit consists of twenty-seven parts. Two versions offered in the box; Mod.1936 and 1939 New tooling.

1:35 Soviet medical troops WWII: Kit includes five soldiers with stretcher. Re-release.

www.hobbyco.net



NEW FROM ZVEZDA

1:144 Tupolev TU-134 UBL Training plane (NATO code Crusty-B)

The TU-134 UBL is a variant of the civilian TU-134 with a nose of the supersonic bomber TU-22M. In total, ninety examples were built from 1981 to 1984 and some of them are still in service with the Russian forces. The kit consists of sixty-three parts plus decals for one of three Russian-operated aircraft.

www.hobbyco.net

NEW KITS FROM TAMIYA!

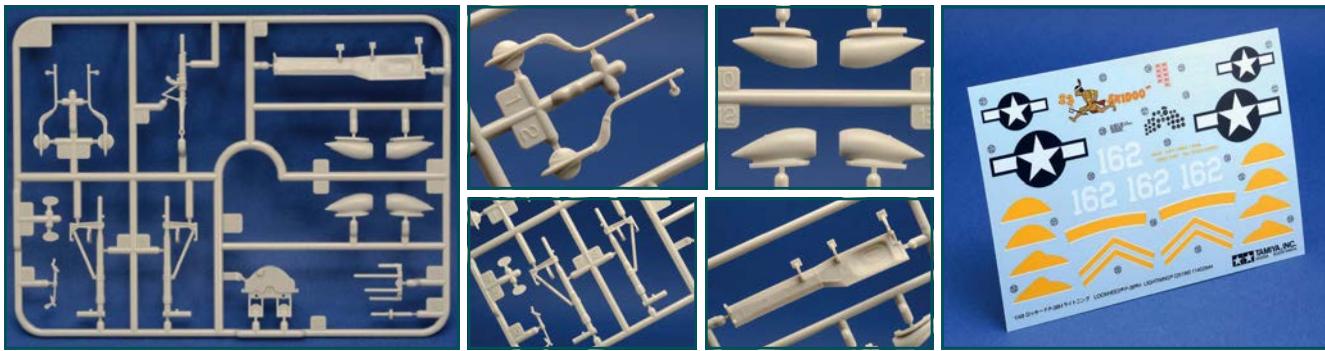
Some extra details of the new Tamiya kits on sale now, and on the way!

TAMIYA 1:48 LOCKHEED P-38H LIGHTNING

Tamiya has announced a limited edition variation of the 1:48 Lockheed P-38 Lightning kit, to be sold in a white box format. New parts are included specifically for this kit to depict the P-38H, a version that was produced from May 1943 and given an improved 20mm cannon as well as a bomb payload capacity of 1,500kg. More powerful 1,400hp engines were paired with intercoolers and radiators from previous variants.

KIT SPEC

- Fuselage length: 240mm, wingspan: 330mm.
- New parts are included to depict P-38H-specific features such as larger supercharger intakes, rear canopy without reinforcing frames, instrumentation, nose undercarriage leg and bay covers, main landing gear reinforcements, upgraded 20mm cannon and 12.7mm machine guns that were often modified on the ground, plus turbocharger coolant pipe.
- Choose whether to attach optional main undercarriage air duct.
- Weights are included in the kit to ensure correct balance of the model when displayed.
- A detailed cockpit features the wheel-type controls, radio, throttle box and more.
- One decal option is included, depicting an aircraft of the 432nd Fighter Squadron, part of the 475th Fighter Group, 1943-44 Pacific Theatre of Operations
- Comes with canopy masking stickers and a colour painting guide

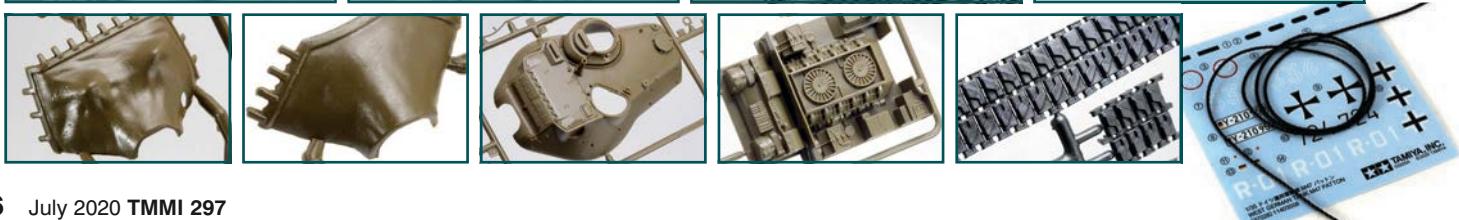


TAMIYA 1:35 GERMAN TANK M47 PATTON

In 1951, the M47 Patton was the main battle tank of the US Army, which entered production as a successor to the M46 Patton. The vehicle inherited from the M46 an air-cooled petrol engine with an output of 810 horsepower with a maximum speed of 48km/h. Although more than 8,500 M47s were produced, its deployment period in the US military was short, and most were donated to Western countries such as Germany, France and Austria. Among them, Germany introduced about 1,100 tanks from 1956 to 1957 and deployed them in tank divisions and mechanised infantry divisions. It was operated as a main battle tank in the early days. For the German Federal Army M47, a plate-shaped rain guard that prevents rain from entering the engine room plus smoke dischargers were added to the turret.

KIT SPEC

- Total length 245mm, overall width 98mm.
- The excellent kit from Italeri has been significantly upgraded and Tamiya parts added.
- New parts are provided for the German Army equipment such as smoke dischargers on the turret sides and display panel at the rear of the vehicle body, plus the canvas gun-shield cover.
- One-piece type track are moulded in a material that can be glued and painted.
- The commander's hatch is movable and the gunner's hatch is an open or closed type.
- One Tamiya figure, M2 heavy machine gun, ammo box, and miscellaneous stowage box are also included.
- In addition to German Army, decals are also provided for the Austrian Army.





TAMIYA 1:24 FORD MUSTANG GT4

The Mustang GT4 is a commercially-available Ford racing car that was unveiled at the 2016 'SEMA' show. The base was the high performance version of the Mustang, the Shelby GT350R-C. The doors, roof and bonnet were changed to carbon-fibre to reduce weight. Aerodynamics were also improved with a large rear wing and rear diffuser. It is tuned for racing and has a 580 horsepower 5.2 litre V8 engine coupled to a 6-speed sequential transmission. In addition, the suspension has the same basic structure, but is equipped with an anti-roll bar and adjustable damper mount. The lower control arm on the rear is a dedicated item. After winning its first victory in the March 2017 race, many machines that have been entrusted to amateur drivers have been active in GT4 races around the world.



KIT SPEC

- Total length 203mm, total width 87mm, total height 57mm
- The rear bumper is moulded integrally with body to ensure rigidity
- The spartan interior, with only the bucket-type driver's seats around the roll cage, replicates the original
- The Motec monitor on the steering column displays the screen
- Compressors, tanks for air jacks on the passenger side and electrical system parts are included
- The front and rear suspension - with a reduced number of parts - has a realistic appearance. The lower control arm on the rear is also reproduced
- Door mirrors and mirrors are plated parts
- The lower part of the engine and the gear case that can be seen from the underside of the car are separate parts for a three-dimensional effect



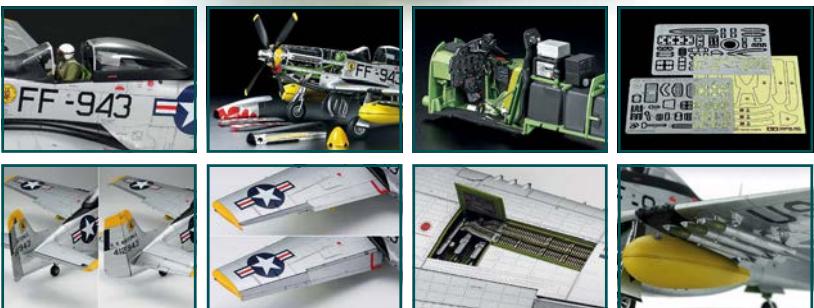
TAMIYA 1:32 NORTH AMERICAN F-51D MUSTANG (KOREAN WAR)

The P-51D Mustang, the flagship fighter of the WW2 United States Army Air Force, is famous as one of the best piston-engined powered aircraft of World War II. After the war, it was renamed 'F-51D' (F: Fighter) with the establishment of the United States Air Force in 1947 and the operation continued while updating, such as adoption of a new propeller and upgrade of the radio. At the time, the Mustang had already retired due to the rise of jet aircraft, but it returned to the forefront in the Korean War that broke out in 1950. Taking advantage of its long range, excellent manoeuvrability and a robustness that could withstand simple airfields, it provided powerful close air support for the United Nations ground forces.



KIT SPEC

- Length 308mm, width 354mm
- Delicate panel lines and rivets are engraved on the entire airframe
- Hamilton Standard propeller blade with a square tips
- Radiator compartment is designed like the real machine, including the internal duct and oil cooler
- The wing control surfaces and radiator flap are movable
- Six 12.7mm wing machine guns and ammo belts are included
- In addition to two types of drop tank and a 500 pound bomb, a total of six, 5-inch rockets (HVAR) are included
- Comes with a sitting figure, plus a standing pilot
- Three markings-options for aircraft that were served in the Korean War



KIT PREVIEW: MODERN ROAD MOTORCYCLE

TAMIYA 1:12 HONDA CBR1000RR-R FIREBLADE SP 1:12 MOTORCYCLE SERIES • KIT NO.14138



Blade



With the current health crisis affecting every aspect of life around the world, it was inevitable that the annual Shizuoka Hobby Show in Japan would be cancelled for 2020. Tamiya had some great kits lined up to unveil at the event, including the exciting announcement of an all new Honda CBR1000RR-R Fireblade SP in 1:12...



Tamiya factory photos
of the new 1:12 kit



REVIEW

Motorcycle modellers have been clamouring for a Honda Fireblade from Tamiya for many years and now, the kit has become reality in the form of the 2019 CBR1000RR-R. Announced last year in Milan, the real bike has a decidedly circuit-oriented feel exemplified by a 1,000cc inline-four engine with the same bore-stroke ratio as the RC213V MotoGP machine, finely honed cowl designs

(the bike's drag coefficient of 0.27 is unrivalled by other production motorcycles), a full suite of electronic rider aids and titanium Akrapovič exhaust: truly a crystallisation of top-notch techniques at Honda and an exciting new chapter for the famed Fireblade name. The bike is planned for entry into the World SBK in 2020.

Keep reading TMMI for the full, blow-by-blow article on this wonderful new kit! ●

TECH SPEC...

Kit features:

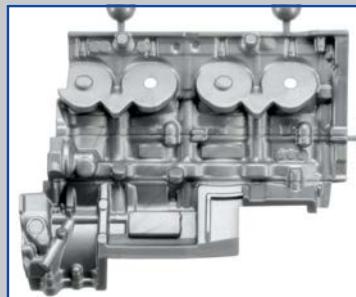
- Detachable side cowls
- Engine, swing arm, front fork and exhaust are all fitted by mini-screws to the frame
- Build the model with single or tandem seat
- A detailed replica of the 1 litre, liquid cooled four-cylinder engine
- The model comes with two livery options: Grand Prix Red (red with white and blue accents) and Matte Pearl Morion Black (matt and gloss black) schemes
- High performance tyres are accurately depicted in synthetic rubber
- Racing stand with clear wheels/tyres is included
- Model dimensions: 176mm x 68mm x 96mm

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: MODERN ROAD MOTORCYCLE

TAMIYA 1:12 HONDA CBR1000RR-R FIREBLADE SP 1:12 MOTORCYCLE SERIES ● KIT NO.14138



Views of the engine's main structures, showing the realistic cast aluminium effect incorporated in each part

Detail view of the frame



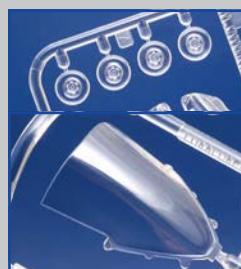
The handgrips with moulded-in brake and clutch levers



Electronic component with cabling just needs creative painting to bring to life



Fuel tank is a one-piece moulded to eliminate cement lines



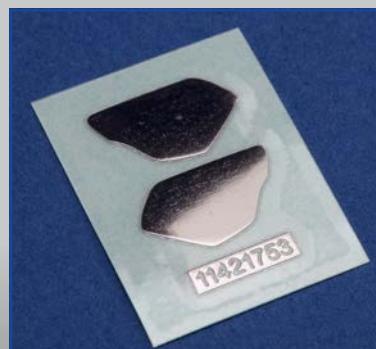
The clear wheels for the stand can be seen here



The decal sheet includes logos for the classic red/white/blue scheme plus an overall black livery

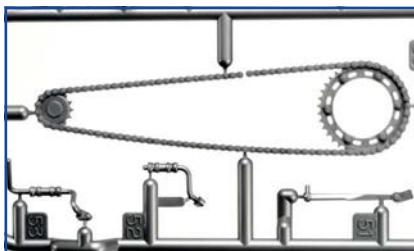


Pre-cut mask are provided to help when painting the cowling parts



Plated, photo-etched and self-adhesive mirror faces are the ultimate in realism





The chain comes moulded in with its front and rear sprocket and with careful painting will look near perfect



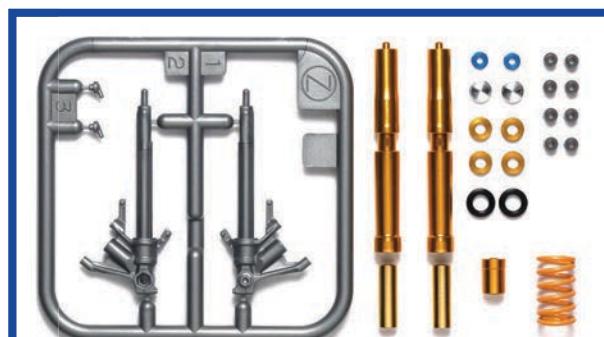
The exhausts: In reality, Akrapovič, in 1:12, polystyrene



Above left: close-up of the radiator, showing the delicate detail of the cooling matrix. Above right: the kit comes with vinyl tubing for the brake and coolant lines, tiny polycaps (grey), steel suspension spring, various lengths of mini-screw plus a small screwdriver to fit them



The tyres are highly realistic replicas of the real things



Tamiya 1:12 Honda CBR1000RR-R Front Fork Set
Due for simultaneous release with the Fireblade is a dedicated Front Fork Set (12690) which provides numerous individual metal and moulded parts, polystyrene fork bottoms with depictions of cable attachment bases, gold-anodized outer tubes and reservoir tank, black anodized dust seals plus a realistic yellow painted finish for the damper spring.

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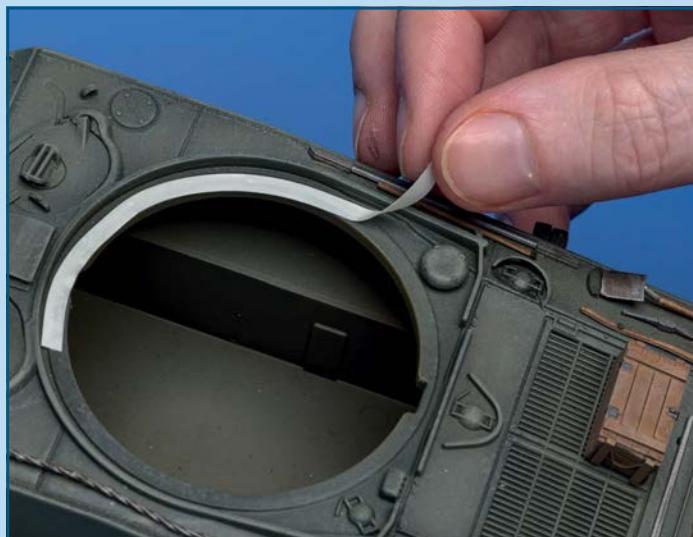
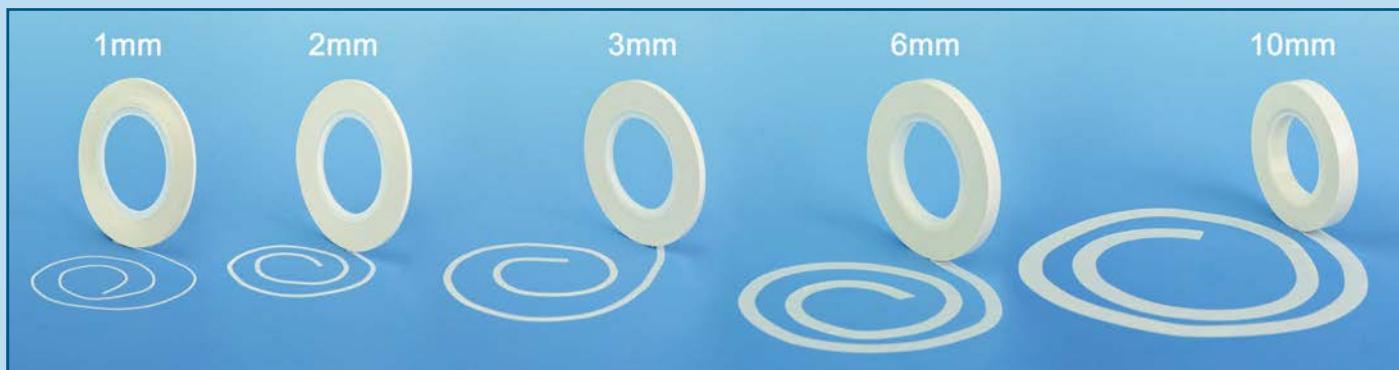
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**...THE UNIDENTIFIED AIRCRAFT
AND CLIMBED WITH UNBELIEVABLE
SPEED UNTIL THEY WERE LO
IN THE BLINDING LIGHT OF**

Miloslav J Hraban makes a few detail enhancements to Revell's excellent 1:32 Me262 and finishes it as an A-1a of 9./KG(J) 6 operating over Žatec, Czechoslovakia



**AFT LIFTED
REVIEWABLE
JUST TO VIEW
THE SUN...**

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

*Major John C Meyer, 352nd Fighter Group.
Quote from 'The Messerschmitt Me262
Combat Diary' by John Foreman and SE Harvey
(Crecy Publishing Ltd; revised edition)



FULL-BUILD: WORLD WAR TWO AXIS AVIATION

REVELL 1:32 MESSERSCHMITT ME262 A-1/A-2 • KIT NO.03875



An abandoned and partially dismantled Messerschmitt Me262 at an airfield near Frankfurt. Note the MK-108 ammunition on the ground next to the aircraft. There's lots of information in this image to inspire diorama builders!

Photo: public domain

“The Messerschmitt Me262, nicknamed ‘Schwalbe’ (Swallow) in fighter versions and ‘Sturmvogel’ (Storm Bird) in fighter-bomber versions, was the world’s first operational jet-powered fighter aircraft...”

The Revell new-tool kit of the Me262 in 1:32 looks very good, with lots of nice detail. If you decide to add complementary aftermarket sets to this kit, you only really need the Löök instrument panel and harness set from Eduard and the BarracudaCast main and nosewheel set, which are perfect. From the decal producer EagleCals, I used only the number and the letters 'S'; the national insignia and stencils are from HGW. All paints are

from the Slovak company MR Paint. They are lacquer-based paints which I have been using for several years now and I am very satisfied with them.

NOW SOMETHING TO BUILD

During construction I found that the model is better to build with open weapon covers due to the way the parts are designed, but I prefer closed-up models because they present the shape of the aircraft better and here I encountered

a small problem. The gun-bay access covers – and subsequently parts of the front of the aircraft – do not fit all that well, therefore, it was necessary to putty, sand, putty and sand again. The evidence of this can be seen in the accompanying photos. After this, I had to restore the panel lines, which of course is not a big problem. The repairs can really be done by any reasonably advanced modeller. The kit is very detailed and I only needed

to paint the undercarriage wells and add hoses to the main chassis legs. The front undercarriage leg must also be supplemented with a hydraulic brake hose. The cockpit is also very nice and I added an Eduard Löök instrument panel and the steel set harnesses, which are included in the Eduard set. After gluing up the fuselage, a little more putty and sanding work was needed. Then I restored the panel lines, again. This was followed by the

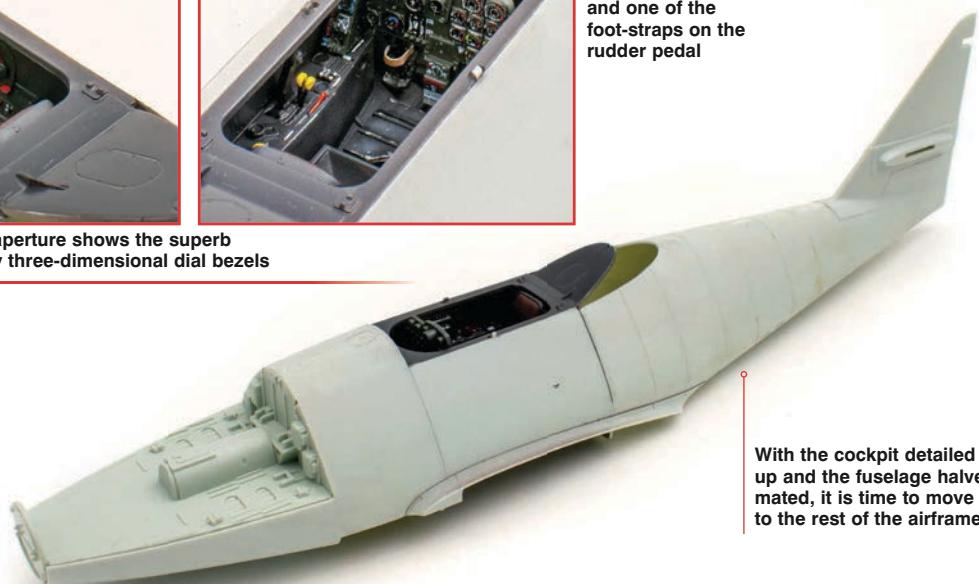


A look down into the very narrow cockpit aperture shows the superb Eduard Löök instrument panel with its very three-dimensional dial bezels

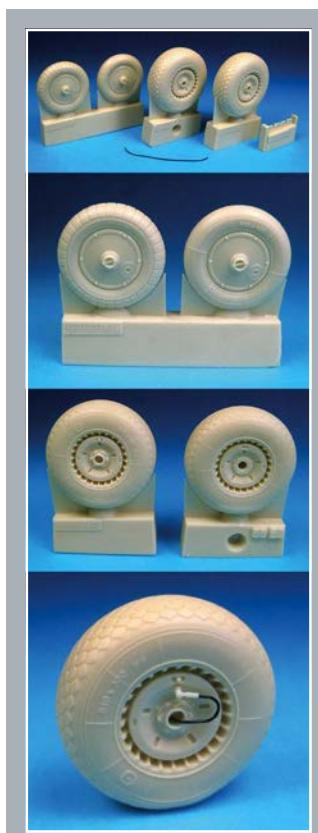


Here we can just see the twin, yellow-knobbed throttle levers on the side console and one of the foot-straps on the rudder pedal

assembly of the engines and their nacelles. I masked and sprayed the inlets and outlets then continued to apply the filler. After sanding, I restored the panel lines and here it was necessary to add several lines. Now it was the turn of the wings and everything went very well here. After cleaning up the wing parts, I slotted the engines, flaps and ailerons into them, everything fitting well. I left the slats until the end because they have very thin hinges and could easily be damaged when handling the model. ▶



With the cockpit detailed up and the fuselage halves mated, it is time to move on to the rest of the airframe



The stock kit wheels were replaced with BarracudaCast's superb resin set: Me262 main, plain-hub nose-wheels (BR32067)



The use of an assembly jig to support the model while it is worked on stops the plastic getting scratched and misaligned when resting on the work surface. This is a particularly neat, adjustable unit made from plywood



Here we can see the application of filler at key joins, with some filler still needing to be sanded flush to the model's surface



The author chose to fit the gun bay access panels in the closed position but the parts needed some filler and subsequent re-scribing of their shut-lines for a precise final effect

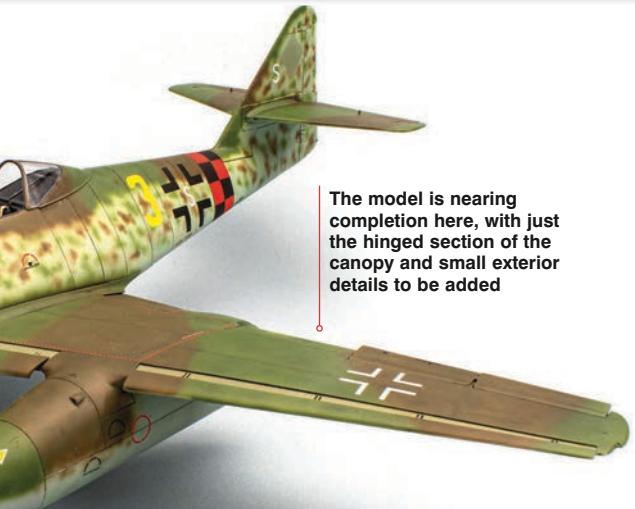
FULL-BUILD: WORLD WAR TWO AXIS AVIATION

REVELL 1:32 MESSERSCHMITT ME262 A-1/A-2 ● KIT NO.03875



“The Me262 was faster and more heavily armed than any Allied fighter, including the B





The model is nearing completion here, with just the hinged section of the canopy and small exterior details to be added

British jet-powered Gloster Meteor... ,

The diorama, representing a wooden-surfaced makeshift aircraft stand is the perfect way to display this magnificent model



TIME FOR SOME RLMS

This was followed by my favourite part of the model: camouflage spraying. After spraying with the MRP Surfacer, I started with the underside colour of RLM76 Lichtblau, which was followed by RLM82 Hellgrün and RLM81 Braunviolett. I spray-painted the black/red checks on the tail of the plane using masking tape. I then covered the whole model with clear gloss varnish in preparation for the application of the HGW wet transfers. I applied all the data stencils, signs and walkways and let them dry until the next day. They can be removed sooner, but leave them for twenty-four to be safe. The next day I peeled the transfer films from the transfers and the result is a painted-on finish. I don't know how I could have been modelling for fifty years without using this invention!

I then applied AMMO by Mig colour-washes and oil paints for the weathering stages. After the oil paints had dried, I sprayed the whole model with semi-matt varnish, removed the masks from the canopy, then touched in the small details. I stretched Uschi van der Rosten 'Rig That Thing' thread for the antenna wire and the model was finally done. I can highly recommend this model of a beautiful aircraft. ●

TECH SPECS...

REVELL 1:32 MESSERSCHMITT ME262 A-1/A-2 KIT NO.03875

Materials;

Injection-moulded polystyrene, waterslide decals

Paints used:

MR Paint: RLM76 Lichtblau (MRP-066), RLM81 Braunviolett (MRP-070), RLM82 Hellgrün (MRP-071)

Accessories used:

- HGW wet transfers: Messerschmitt Me262 Stencils (232017)
- Eduard: Me262A Löök instrument panel (634015), Mask Me262A (JX244)
- BarracudaCast: Me262 main, plain-hub nose-wheels (BR32067)
- Eagle Editions: EagleCals Me262 AS KG(J) units (138)
- Uschi van der Rosten: 'Rig That Thing'

Availability:

- Revell models are widely available from good model shops and online. www.revell.de/en
- Barracuda: www.barracudacals.com
- EagleCals: www.eagle-editions.com
- Eduard: www.creativemodels.co.uk www.eduard.com
- HGW: www.hgwmodels.cz
- MRP (MR Paint): www.mrpaint.sk
- Uschi van der Rosten: www.uschivdr.com

Revell

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LEVEL 3



04921 BAe Hawk T.1 'Red Arrows', 1:72

LEVEL 5



03943 Bristol Beaufighter TF.X, 1:48

LEVEL 5



04981 Westland Lynx Mk 8, 1:32

LEVEL 4



03876 MH-47E / HC Mk 3 Chinook, 1:72

LEVEL 2



05661 HMS Revenge (Easy-Click), 1:350

Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell

A 'BESPOKE' TT CLASSIC

Philippe Devos takes the old Italeri 1:9 Norton Manx, originally issued by Protar in the 1970s, and transforms it by replacing the spokes with steel insect-pins for a dramatically improved appearance

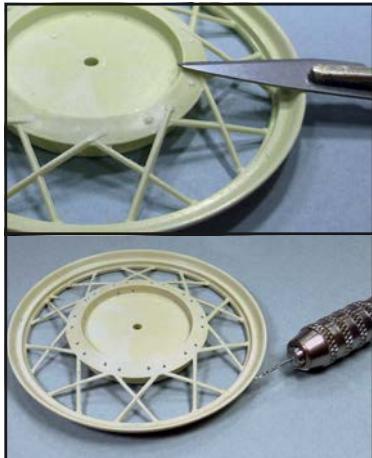




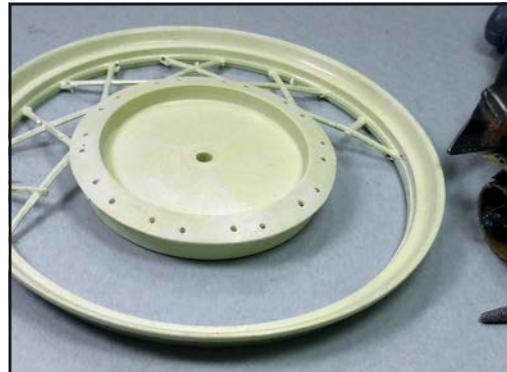
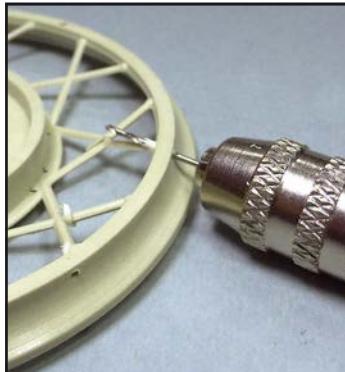
Manufactured since the 1930s, the Norton 500cc gained fame and respect at the Isle of Man in 1936 thanks to its many successes on the local Tourist Trophy circuit. Its main quality lay in the compact dimensions of its single cylinder engine which, combined with a high-performance frame, enabled it to compete with more powerful motorcycles such as the Italian MV, Gilera and Moto Guzzi. Just before 1950, the engineer McCandless developed a revolutionary frame in 'Reynolds' steel, based on brazed chromium-molybdenum. This was much lighter and more stiff which allowed the rider Geoff Duke to break record after record and to win the title in 1951 and '52. This frame was nicknamed 'featherbed', which says a lot about its performance and the feelings of the riders! ◉

FULL-BUILD: LARGE SCALE MOTORCYCLE

ITALERI/PROTAR 1:9 NORTON MANX • KIT NO.4602



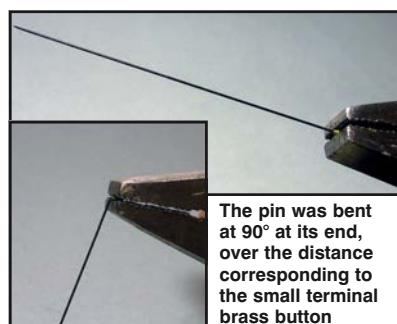
The work on the rims began with the de-burring of the bolt heads moulded on the hub using a new blade. Then followed the corresponding drilling with a 0.5mm drill bit and then a rub-down of 800-grit sandpaper to create a respectable surface



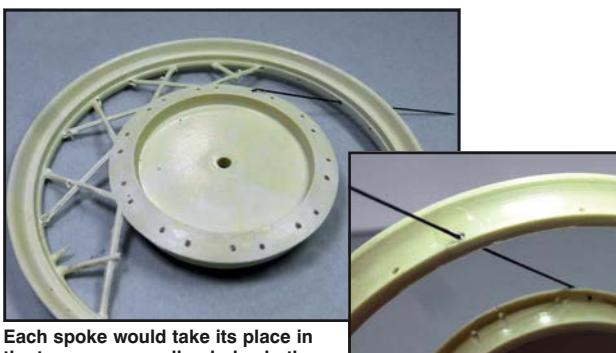
The wheel rims were drilled from the outside with the spokes still in place to precisely define the correct angles to be followed, as well as to find the exact location of the holes. Once the spokes had been removed, the inside of the rim was cleaned with a file and abrasive paper



The rays will be represented by entomology pins. They are perfect: a very fine diameter (here 0.25mm) and with enough flexibility to allow an adequate shaping. They can be purchased in natural or black metal as here



The pin was bent at 90° at its end, over the distance corresponding to the small terminal brass button



Each spoke would take its place in the two corresponding holes in the rim and hub. Half of the spokes will be installed on the hub, all in the same direction, and the other half under the hub, in the other direction, to obtain a series of 'X's all around the wheel. A drop of cyano joins the two ends of the spoke to the rim and the hub



When the 'X's are complete, the fixings were checked and the excess was cut off, first with cutting pliers, then with the disc mounted on a mini drill, taking care of the surrounding plastic



Since the wheel was built up one rim at a time, they were assembled by force bonding them together with clamps. Indeed, the tension provided by the spokes may have slightly deformed the rims. Once the glue was completely dry, this would no longer appear



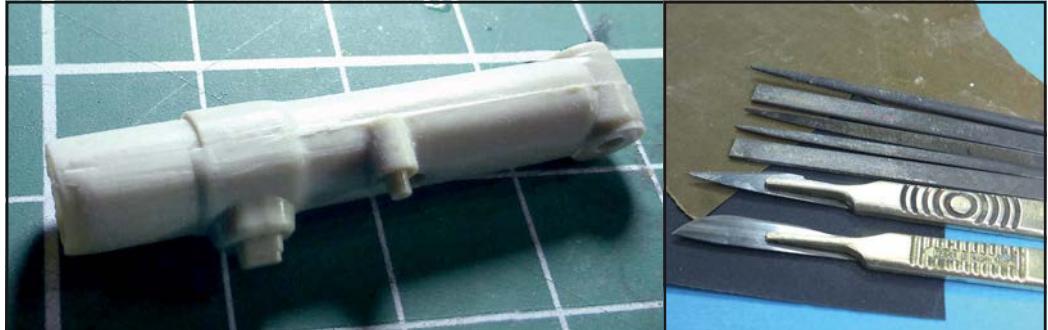
In comparison with the other untreated rim, we can appreciate the increase in realism with this technique. The spoke tensioning nuts were not recreated. Some talented modellers will be able to cut micro-tube cleanly to represent them, but your author believes that the result is already convincing enough



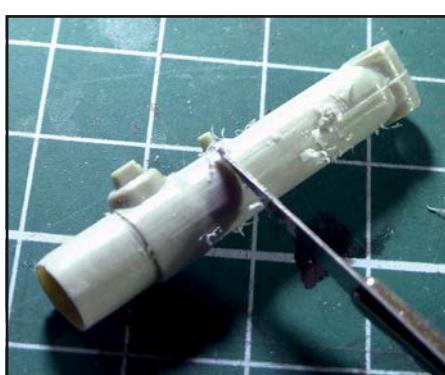
● PROTALERI

I'm on my fourth Italeri 1:9 motorcycle kit and I still find it as much fun as ever, despite the defects due to the age of the original Protar moulds. The scale is both very rewarding and very demanding but it allows for some interesting improvements. Here, the Norton Manx saw its rims modified by replacing the moulded spokes with thin, 0.25mm insect mounting-pins in steel.

The operation takes time but it seemed essential to me at this scale. Unfortunately, I did not know how to represent the spoke tightening-nuts that some assemblers represent with sections of micro-tubes like syringes. I consoled myself by saying the scale that can forgive their absence. However, I promised myself to get down to it for a next assembly. Most of the rest of the time is spent preparing the parts more than painting or assembling them. ▶



Like the front fork sleeves, the original Protar parts were moulded with a trowel, so most of the realistic results were obtained during preparation. Precise files of various shapes, new blades and 500 to 1200-grit sandpaper significantly improve the general appearance of each piece



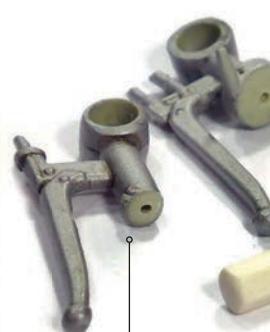
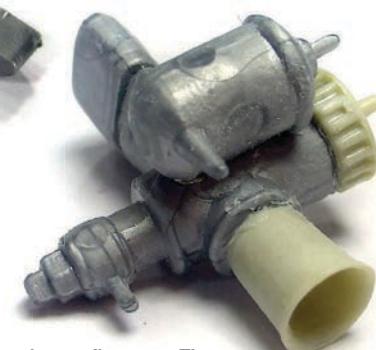
The moulding lines were removed with a new blade and then the surface smoothed with abrasive paper. The groove which follows the circumference was made with a triangular file which makes it possible to obtain a perfectly perpendicular delimitation



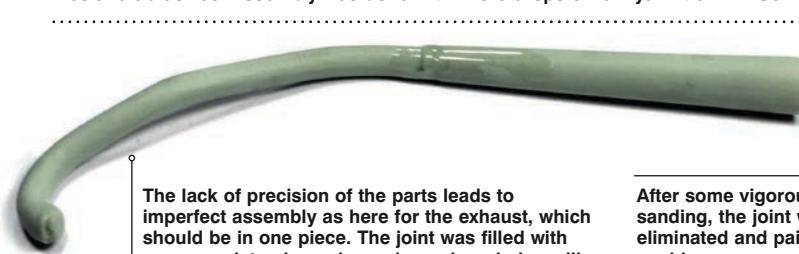
We finally obtain, here after applying a layer of grey primer, a presentable piece with greatly increased accuracy, waiting only for a neat coat of paint



The parts constituting the carburetor need serious refinement. The difficulty comes from the small size of the mouldings, so you have to imagine the best possible support to handle the part easily. Here, the air intake will be 'turned' by hand, stuck on a simple toothpick. The other parts will be subjected to precise treatment with files and abrasives. Assembly was done with micro drops of Tamiya Extra Thin Cement



The hand-grips come in the form of a piece of vinyl sheath to be threaded onto the plastic rod of the part. They were redone with slightly rounded sections of hexagonal profile



The lack of precision of the parts leads to imperfect assembly as here for the exhaust, which should be in one piece. The joint was filled with cyanoacrylate glue: a large drop when drying will, under the effect of gravity, fill a specific area



After some vigorous sanding, the joint was eliminated and painting could commence. Afterwards, the thermal bandage was added and the end of the pipe touched in with a chromium Molotov paint pen. The thermal bandage is used to recover heat to improve the power of the engine but today it has above all an aesthetic effect. It was reproduced on the model with painter's masking tape cut into a long strips 5mm wide and 43cm long and shaded with diluted X-19 Smoke



FULL-BUILD: LARGE SCALE MOTORCYCLE

ITALERI/PROTAR 1:9 NORTON MANX • KIT NO.4602



The seat was painted in TS-29 Semi-Gloss Black then the upper beading was masked off with precision. A layer of Citadel white followed by a layer of Blood Red enhanced the cushion with its bright red border



The fuel tank, the only fairing part, was painted in Titanium Modelmaster which can be buffed after drying. The central strip in relief was masked and painted with TS-83 Metallic Silver instead of the recommended decal

► The mouldings are rather crude in places and it was necessary to deploy files and the scalpel to carve out details worthy of the scale. So I worked mainly on the fork sleeves, hand-grips, exhaust, carburettor and also the

engine fins which had to be adjusted during bonding and then refined with sandpaper. In general, each part requires special attention to eliminate all traces of moulding. It's tedious work but very rewarding.

GREY, GREY AND YELLOW
For the livery, I opted for metallic shades from a Tamiya spray can, all decanted and airbrushed except the tank, which was finished with Modelmaster Titanium Metalizer,

which is darker than the original colour but with a lot of character. It is not varnished and you can just see the texture of the decals but I was afraid of the reaction of the products between them. I only varnished the yellow race numbers which brighten

up the machine, with the number 1 for Geoff Duke, of course. Afterwards, I added a heat insulation strip to the exhaust, an accessory that is very popular today. It was used to recover heat from the muffler to optimise engine performance, explained to me by a mechanic from the Saint Augustin garage in Bordeaux.

But today it's more for showing off than anything else. This is the case for my model of the Manx, even if it does not correspond to the reality of the '50s. I apologise to the purists! ▶



All parts were assembled before final assembly began although the tank has not yet received its decals. Note the limited number of parts due not only to the age of the model but also to the age of the motorcycle, despite the large scale of 1:9

Mini Review...



HAULER 1:35 DOG HOUSE WITH DOG (HLU35118)
www.hauler.cz

Hauler offer some really innovative accessories in various scales and this new dog house and brazier, milk churn – and dog – is simply superb. All parts are cast in Hauler's familiar grey resin and the detail is as sharp and refined as ever. The set would make the ideal addition to a work-yard scene and we predict the pup will be cropping up in other places too – such as the turret roof of a tank, as a battlefield pet?





The engine's lower casing and air box were painted TS-40 Metallic Black and the upper casing in TS-17 Gloss Aluminium, copiously aged with diluted X-19 Smoke. The fins were aligned as precisely as possible during bonding and then refined with folded sandpaper to maintain a parallel appearance. If the X-19 discreetly highlights the reliefs and hollows, it also gives a used, dirty, functional appearance that brings life to the mechanical areas



The clutch and chain were assembled in the following stage. The main paint is X-19 Smoke-aged TS-17 Gloss Aluminium. The links were touched in by brush using Citadel Metallic Grey



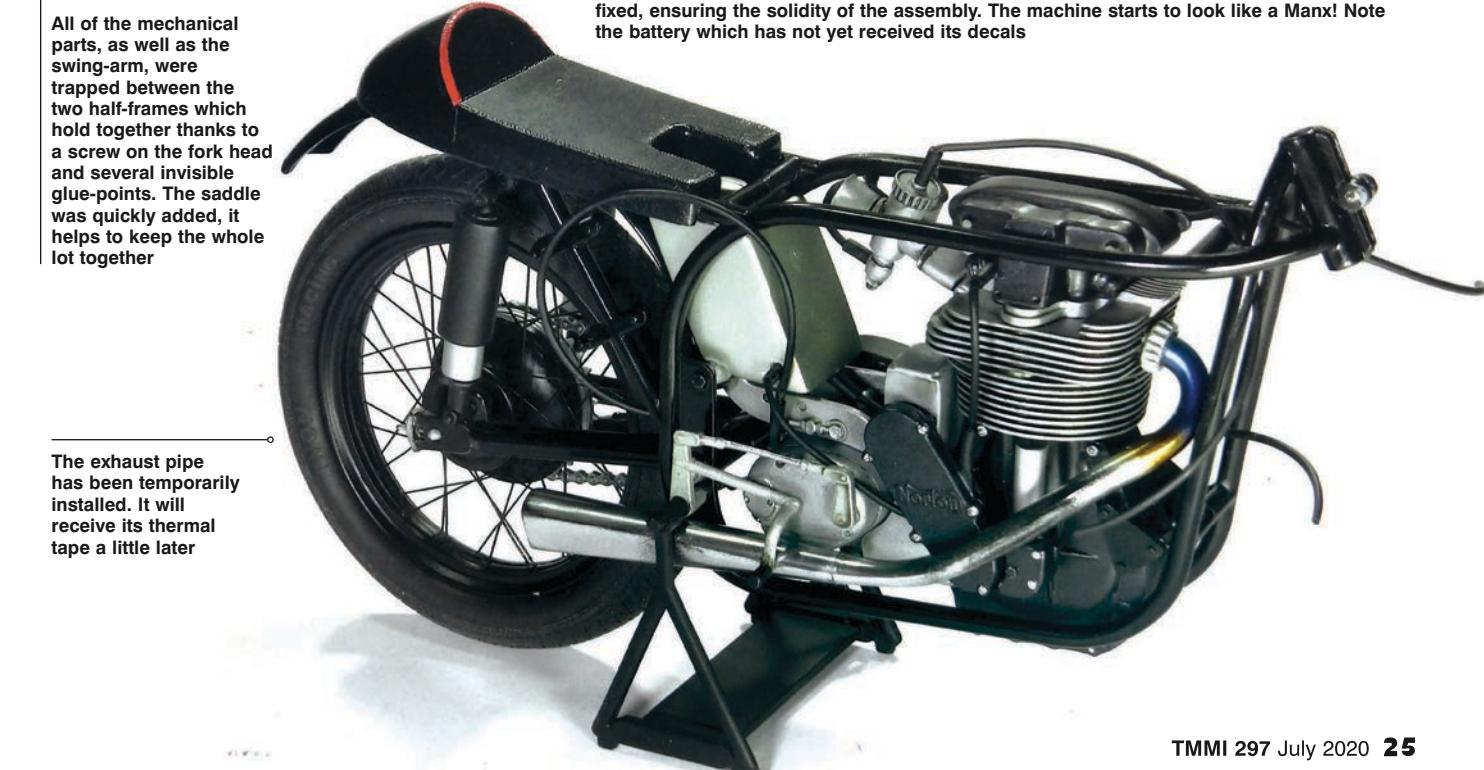
The clutch was securely attached to the engine block using Tamiya Extra Thin Liquid Cement and left to dry overnight, because the attachment points are reduced and this sub-assembly will be handled a lot, later on



All of the mechanical parts, as well as the swing-arm, were trapped between the two half-frames which hold together thanks to a screw on the fork head and several invisible glue-points. The saddle was quickly added, it helps to keep the whole lot together



The rear wheel is easily fitted thanks to a plastic axle. The rear shock absorbers are then fixed, ensuring the solidity of the assembly. The machine starts to look like a Manx! Note the battery which has not yet received its decals



The exhaust pipe has been temporarily installed. It will receive its thermal tape a little later

FULL-BUILD: LARGE SCALE MOTORCYCLE

ITALERI/PROTAR 1:9 NORTON MANX 500CC • KIT NO.4602

AND AGAIN!

I am repeating myself but I really appreciate these 1:9 models which allow one to rediscover the legendary machines that have made the history of motorcycling (Manx, MV Agusta, Norton Commando and so on). They are easily assembled and it is only by choice that one spends more time on improvements. A friend built the military Triumph with a civilian livery and it is sublime! It creates new ideas and my collection of 1:9 motorcycles is far from over! ●

TECH SPEC...

ITALERI 1:9 NORTON MANX 500CC
KIT NO.4602

Materials;

Injection-moulded polystyrene, chrome-plated polystyrene, vinyl tyres and tubing, metal springs, screws, waterslide decals

Paints used:

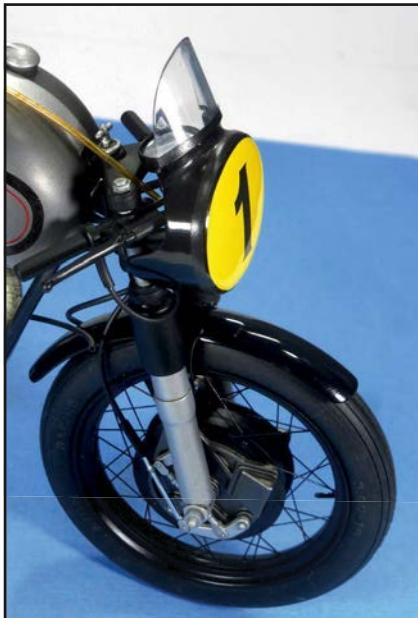
- Tamiya Sprays: Grey And White Primers, TS-29 Semi-Gloss Black, TS-83 Metallic Silver, TS-42 Light Gun Metal, TS-17 Gloss Aluminium, TS-14 Black (gloss)
- Tamiya Acrylics: X-26 Clear Orange, X-19 Smoke
- Tamiya Enamel: Panel Line Accent Color (black)
- Citadel: Chaos Black, Mithril Silver
- Modelmaster: Titanium Metalizer

Availability;

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



The front fork is functional but it's best to not over-use its mobility. The springs are mainly used to wedge the sheaths of the shock absorbers to the right lengths



The front fork is fixed to the frame with a plastic axle. In front of the fork head, the small front cowling was painted gloss black and then varnished after applying the yellow decal. The windshield is fixed with two small metal rods planted in the plastic and hidden by a strip of black adhesive tape at its base

The racing number plates were painted gloss black then varnished and polished after the numbers had been applied. They bring a nice touch of colour!



“The scale is both very rewarding and very demanding but it allows for some interesting improvements...”

eduard

Wine, Women & Song



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in ETO & MTO**



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B-26B/C in ETO and MTO service

1/72

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KIT PREVIEW

PLUS MODEL 1:72 FIREBEE BQM-34A, KDA-1 • KIT NOS. AL7028, AL7035, AL7036



FABULOUS FIREBEES X3

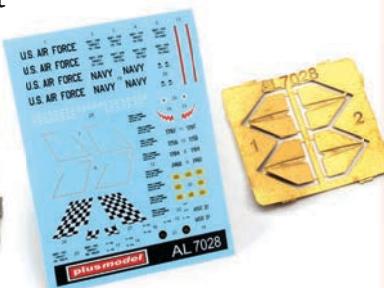
Plus Model launch three drones!

The Ryan 'Firebees' were a series of target drones developed by the Ryan Aeronautical Company, beginning in 1951. In the late 1950s, the USAF awarded Ryan a contract for a substantially improved second generation Firebee, the Model 124, originally with the designation Q-2C. The initial prototype performed its first flight in late 1958 and went into production in 1960. In 1963, it was re-designated the BQM-34A. The old first-generation KDA-1 and KDA-4 targets then still flying with the US Navy were (somewhat confusingly) given the respective re-designations AQM-34B and AQM-34C. The Firebee could be air-launched from a specially modified launch aircraft (the Douglas A-26 Invader was first type to be used in this role), or ground-launched with a single RATO booster. They are one of the first jet-propelled drones and remain one of the most widely used target drones

ever built. Plus Model have recently released three kits of these fascinating machines in 1:72: two Firebee BQM-34A drones plus the earlier Firebee KDA-1 (AQM-34B). In the boxes of the KDA-1 (AL7036) and BQM-34A (AL7028) we find two whole kits and in the second boxing of the BQM-34A (AL7035) we are provided with a transport cart in resin, shown below.

The models are moulded in dark grey polystyrene, with fifteen parts making up the BQM-34A and sixteen for the KDA-1, with an extra sprue providing underwing pylons for the A/B-26 Invader and PV2 Neptune launch aircraft, should you wish to build one of them: the kit with the transport cart does not

have these additional parts. Surface detail is necessarily restrained for this small scale but it is nicely done nonetheless, with recessed panel lines in evidence across each airframe and a small fret of photo-etched brass for tail winglets for one version. Decals are provided for overall orange and white-painted airframes and the markings for the US Navy with the lines of mission markings and sharks teeth must surely be the most appealing! We must remember that these models are made from short-run moulds and will require significant sanding and lots of test-fitting to get right, but they will build into superb little replicas of these fascinating machines. ●

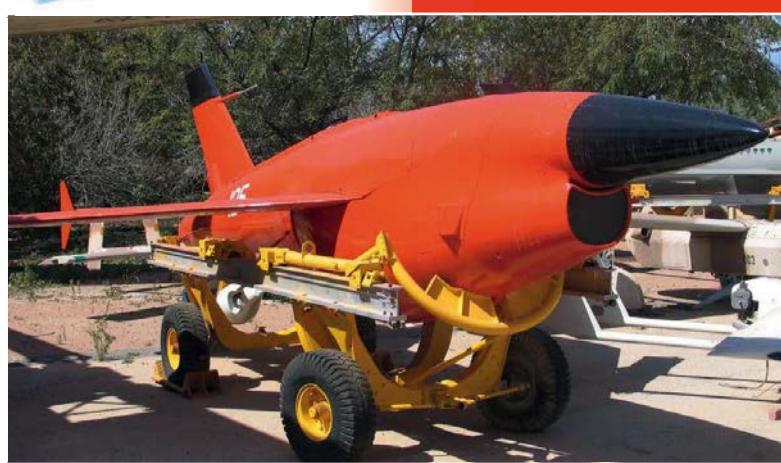


TECH SPECS...

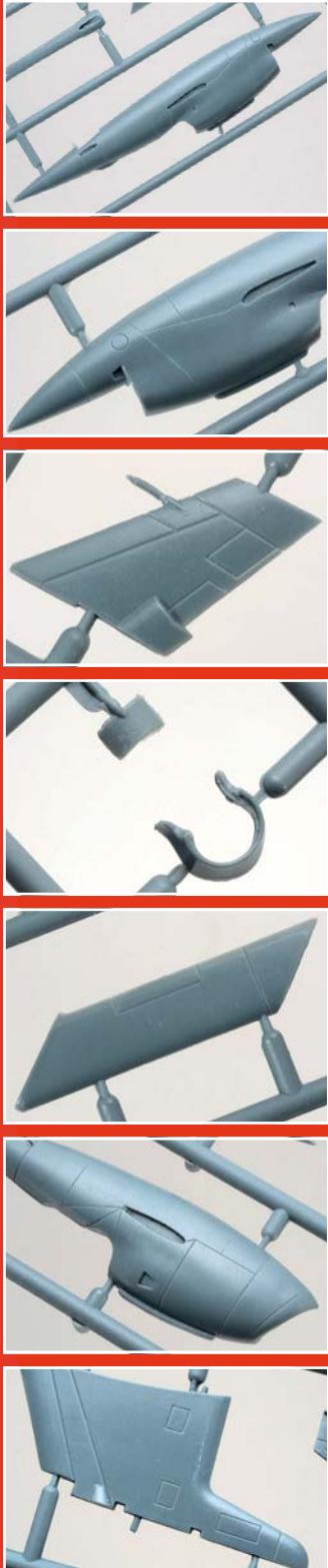
Manufacturer:	Ryan Aeronautical Company (later Teledyne-Ryan; today Northrop Grumman)
Model:	Firebee BQM-34A
Engine:	1 Continental J69-T-29A, 1,700 lbf (7.6kN)
Basic role:	High-speed target drone for both surface-to-air and air-to-air missiles
Length:	22.9 ft (6.9m)
Height:	6.7 ft (2.1m)
Range:	600 miles
Wingspan:	12.9 ft (3.9m)
Normal gross weight:	2,150lb (975.3kg)
Maximum gross weight:	3,100lb (1,406.2kg)
Speed (maximum):	710mph (1,140Km/h)
Service Ceiling:	60,000ft (18.3Km)
Endurance:	up to 75 minutes
Launch:	both air and ground launch configurations

Availability:

Plus Models kits and accessories are available from good model shops and online.
www.plusmodel.cz www.creativemodels.co.uk



Teledyne Ryan Firebee UAV (target variant, IDF designation Shadmit) at Muzeyon Heyl ha-Avir, Hatzerim airbase, Israel. 2006
 Photo: Bukvoed



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FULL-BUILD: CLASSIC TOURING CAR

TAMIYA 1:24 BMW 635CSI JÄGERMEISTER • KIT NO.24322

CSJ: WOLFENBÜTTE

Jarek Rydu Rydzyński takes a Tamiya 1:24 classic and gives it a specially-mixed orange paint scheme



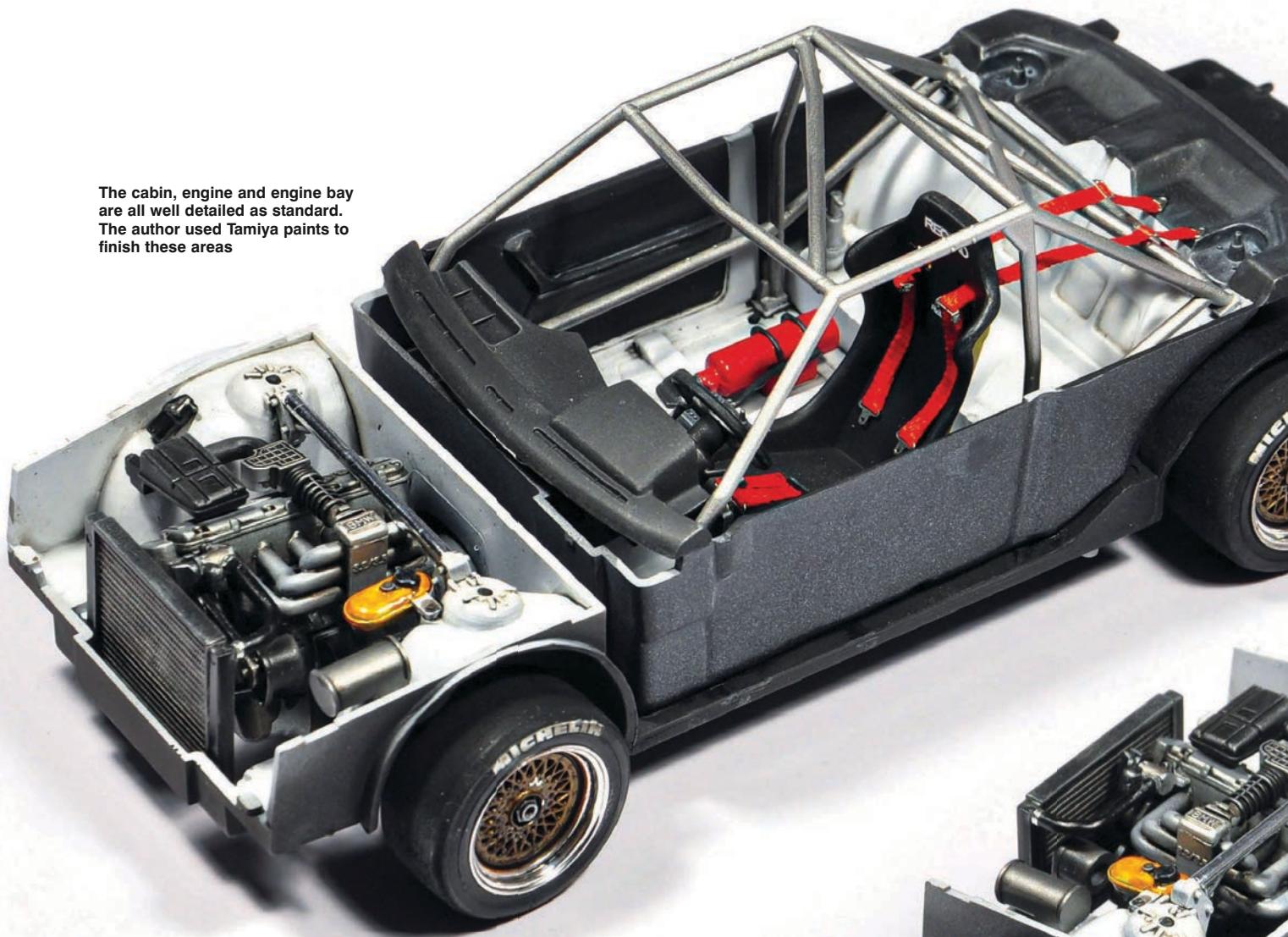
LET, BE THE MEISTER!



FULL-BUILD: CLASSIC TOURING CAR

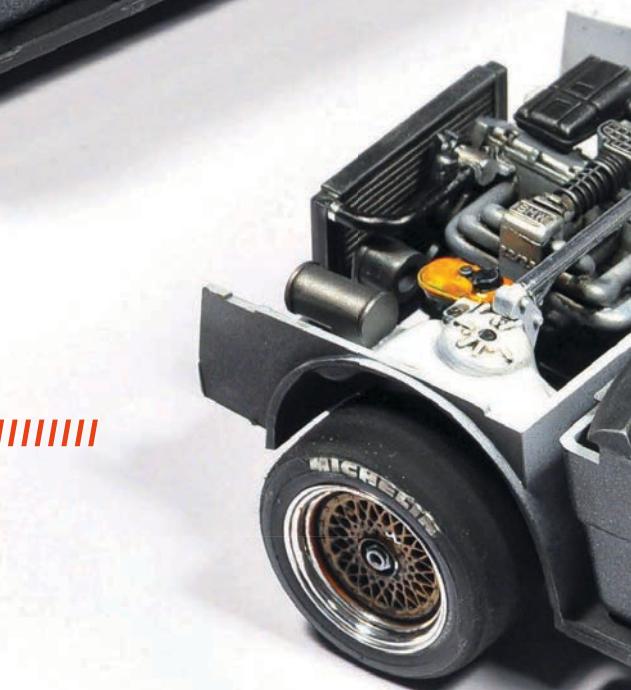
TAMIYA 1:24 BMW 635CSI JÄGERMEISTER • KIT NO.24322

The cabin, engine and engine bay are all well detailed as standard. The author used Tamiya paints to finish these areas



As a fan (and user) of BMW, I always wanted to have a collection of motorsport models in the iconic, fiery orange colours of Jägermeister liqueur in my home collection (of course I also like the liqueur, made in Wolfenbüttel, Germany). Already owning one Beemax 1:24 BMW E30 M3 Jägermeister, I decided to build another vehicle for my collection. There are several BMW kits on the market in the Jägermeister scheme from different manufacturers, but unfortunately these are mostly out of production and it is difficult to find something available. I was lucky and I was able to find the Tamiya 1:24 BMW 635CSI on a European auction website and I didn't have to wait a long time; a few days later, the courier delivered a parcel containing the model and I

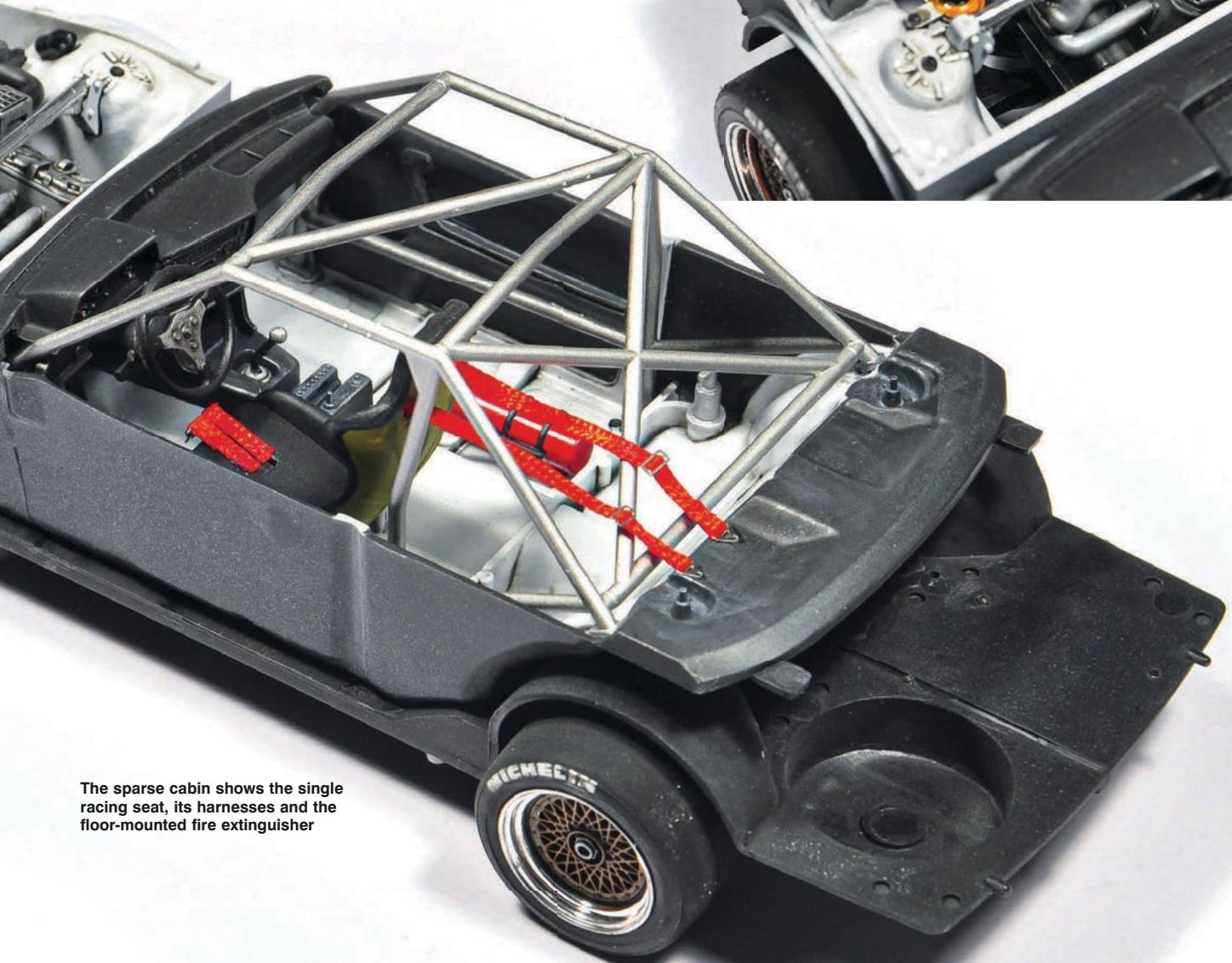
started building it the same day. Tamiya's BMW 635CSI Jägermeister (24322) box includes a one-piece bodyshell; a small sprue with hood and front bumper; a sprue for the chrome parts; one with transparent parts; a bag for the tyres and of course the Jägermeister decal sheet. The model is a real vintage: on the sprue that carries the body you can see the date, 1986! I started to worry a little about whether such a fairly old model would be suitable for a quick build-up and after cutting out off the parts from the sprues, sanding etc., I started an initial, dry assembly. I was amazed as practically everything fitted perfectly and it built like LEGO! The model turned out to be very straightforward to build and after a few hours, my BMW was ready to paint. ▶



“practically everything fitted perfectly and it built like LEGO!”,



The BMW's engine was treated to light weathering process consisting of a drybrush with metallic silver to highlight the raised detail



The sparse cabin shows the single racing seat, its harnesses and the floor-mounted fire extinguisher

FULL-BUILD: CLASSIC TOURING CAR

TAMIYA 1:24 BMW 635CSI JÄGERMEISTER • KIT NO.24322

More drybrushing was used on the gearbox, underbody and suspension parts. It's an older technique but it still be effective in the right places



Tamiya's BMW 635 CSI comes with working steering and flexible, synthetic rubber tyres



BRING IN THE ORANGE

I divided painting into two parts. The first part, i.e. body painting – the hood, bumpers and wheels – and the second stage, painting the chassis and interior of the vehicle. I started the first stage by covering all body parts with white primer, in this case, MR Surfacer White 1500. This product perfectly conceals the smallest imperfections and scratches. The next day, when the surfacer was dry enough I gently sanded and polished all body parts using Tamiya sanding sponges.

The surface thus obtained was ready for the characteristic Jägermeister orange. It was not enough to use the usual orange TS-12 and I had painted my previous BMW model with Zero Paint's Jägermeister Orange. Unfortunately, this time, the paint turned out to be rather aggressive and 'ate' the Mr Surfacer primer, becoming like wrinkled skin, so everything was removed and readied for a repaint. With this in mind, I decided to make my own orange shade using Mr Color paints, using C109 Character Yellow,

C058 Orange Yellow, C172 Fluorescent Yellow, C171 Fluorescent Red and C173 Fluorescent Orange. After about an hour of work consisting mixing these five colours together, I obtained practically the identical colour offered by Zero Paints, just a little less 'hot'.

Finally, I started applying the colour. Working with an airbrush at low pressure with heavily diluted paint, I applied dozens of ultra-thin and transparent layers of the orange to all body parts. Using this technique, I finally obtained a very smooth, 

“I applied dozens of ultra-thin and transparent layers of the orange to all body parts...”



The body and chassis are complete and await their unification

FULL-BUILD: CLASSIC TOURING CAR

TAMIYA 1:24 BMW 635CSI JÄGERMEISTER • KIT NO.24322



imperfection-free varnish surface. The next day, I gently sanded all painted surfaces with a 5000 polishing cloth from Mr Hobby.

The surface was very smooth so I decided on decal application at the point. This was the moment I was most worried about and my fears were

justified: after soaking in water, the old decals began to crumble and crack. In addition, the decal film changed from colourless to yellowish. The fight was long, but I won it. I was able to apply all the decals. Finally, the time came for the most spectacular stage of painting, the gloss varnish. I used Mr Color

GX112 Super Clear II UV CUT, which I know well. I applied the varnish with a thick, so-called 'wet' layer, applying the heavily diluted varnish at a pressure of 20-25PSI through a 0.4mm airbrush nozzle. I repeated this process several times until I obtained a crystal-clear finish. Such a thick layer of varnish





must dry for a minimum of twenty-four to forty-eight hours, after which it is hard and suitable for polishing, plus the subsequent assembly stages. The next step was to paint the engine bay white, as well as the window frames, mirrors, rear spoiler and bumper parts in Tamiya XF-85 Rubber Black.

EXTERIOR DETAILING

The real BMW 635 has quite a lot of chrome elements but the sprue with plated parts only provides the rims and bumper elements. Many elements are moulded together with the body: door frames, grille, light strips etc., and I had to give these elements a chrome

finish. I decided to use a specialised medium for the first time in the form of Bare Metal Foil Chrome. The whole process involves wrapping elements with this ultra-thin aluminium foil and the task is quite difficult because the foil has a light adhesive and tears easily. The application of the chromium 



FULL-BUILD: CLASSIC TOURING CAR

TAMIYA 1:24 BMW 635CSI JÄGERMEISTER • KIT NO.24322



areas took a really long time, but the effect is amazing. After installing the bumpers and windshield, the car's 'top' was ready.

The second part of painting – that is, the interior, engine and chassis – was very short compared to the 'top'. I painted most of the chassis components according to the instructions using Tamiya White, Red, Rubber black and AK Interactive Extreme Metal, Gun Metal and Aluminium Metallizers. I painted the inner parts of the rims with AK Interactive Extreme Metal Gold. So that the chassis did not look like a toy, I used a drybrushing technique to lighten the raised elements using Gun Metal. In one afternoon I had finished the second part of painting. It was enough to unite the 'top' and 'bottom' and with that, the model was finished! ●

TECH SPEC...

TAMIYA 1:24 BMW 635CSI JÄGERMEISTER
KIT NO.24322

Materials:

Injection-moulded polystyrene, polycaps, synthetic rubber tyres, waterslide decals

Paints used:

- Mr Color: C109 Character Yellow, C058 Orange Yellow, C172 Fluorescent Yellow, C171 Fluorescent Red, C173 Fluorescent Orange, Color GX112 Super Clear II UV CUT
- Tamiya Acrylics: XF-85 Rubber Black, X-2 White, X-7 Red
- AK Interactive Extreme Metal, Gun Metal Aluminium Metallizer

Other materials used:

Bare Metal Foil Chrome

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



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MISSION: COALITION



This new generation vehicle is currently completing its evaluation period. Designed to replace the old 2S3 Akatsiya guns, the 2S5 Giantsint-S and the 2S34

Khosta – which, although largely out of date, are still in service with many Russian regiments – the Koalitsiya should cohabit with them for many years and its predecessor and direct cousin, the 2S19 MSTA-S, which is far from being at the end of its career.

At present, Western observers have only been able to spot a dozen 2S35s, regularly presented in official parades since May 9th, 2015. In fact, it would seem that only about twenty machines would be necessary to carry out the test phase, theoretically completed at the end of 2019. Actual deliveries in units would only be scheduled for 2020. Although resembling the 2S19, the 2S35 is in fact an entirely new machine. To date, we have only seen machines

on the chassis of MBT T-90 (with six roadwheels), but theoretically, it is the chassis of the new MBT T-14 ARMATA (with seven roadwheels) which is planned to be used. The reasons for this late change are not really known. Are these problems of development, budgetary restrictions or priority given to the T-14 ARMATA, which consumes all the chassis currently available? The only certainty: with the eventual discontinuation of the T-72/T-90 chassis, it will be necessary to fall back on that of the T-14, the only one which will remain in mass production and will be available in sufficient numbers.

The machine presented today can therefore be rightly considered as an intermediate hybrid, where only

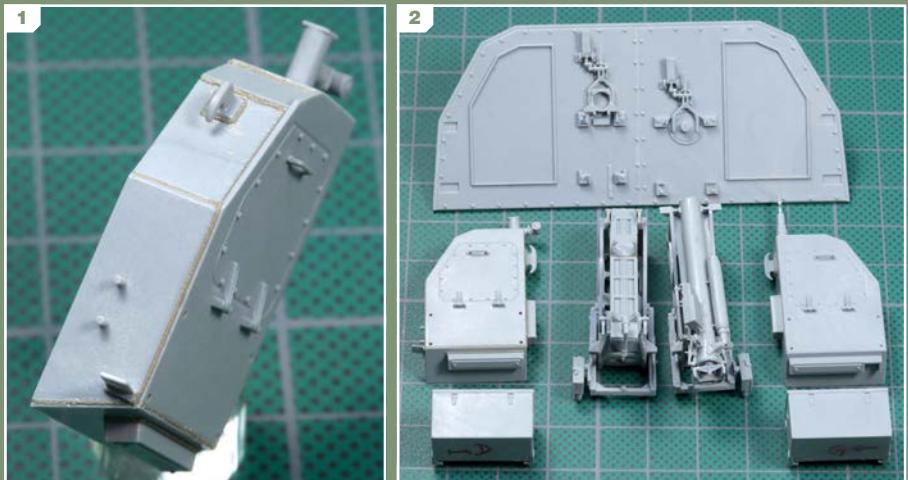
Marc
1:35 k
Koalits



Génaux builds Zvezda's kit of the new Russian 2S35 Koalitsiya-SV self-propelled gun

the turret is already in its final configuration. Currently, the Russian armed forces are still receiving new 2S19s (in its latest modernized version, known as 2S33), while production of the 2S35 ramps up. An important advance of the 2S35 over its predecessor is its ability to work within a network, which allows the reduced crew to easily integrate data from other systems and thus gain efficiency.

This modern weapon system has been designed so that it can be mounted on a Kamaz 6560 (8x8) truck chassis which would then be referred to as 2S35-1 Koalitsiya-SV-KSh. It is the same chassis as that already used for the PANTSIR-S1 system, of which Zvezda has recently released a kit (3698). ▶

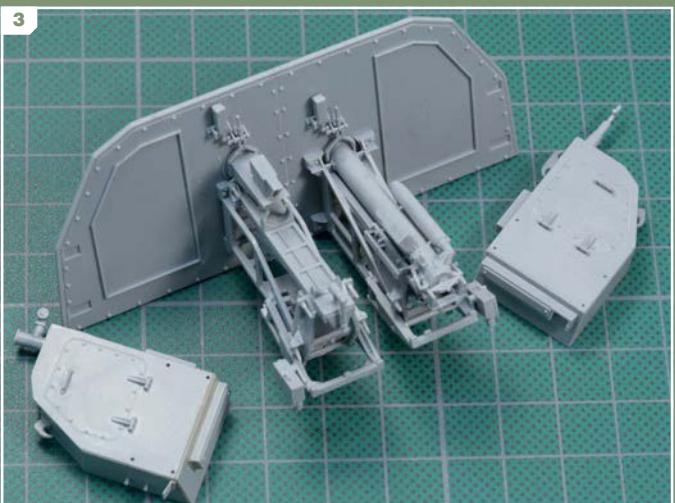


1. In reference photos, we can clearly see welds on all the armoured boxes. The author decided to improve the detail with heat-stretched plastic different to the kit's colour. Tamiya liquid cement was applied in several successive layers to soften the plastic, then it was 'stitched' with the tip of a blade to create small crescent shapes, like on real weld beads

3. What not to do: glue the loading ramps before the armoured boxes, especially if you want to redo the welds at their junction with the rear panel. It's advisable to fix them only after painting because they prove to be really difficult to access, even with the airbrush

4. The kit offers a transport option (with the barrel trapped in the large jaws of the travel lock visible on the left) or a ready-to-shoot option with the gun disconnected from the lock (right)

5. The assembly of the tracks in complete sections or by individual links goes well, as long as we follow the instructions to the letter. The safest thing is to remove, clean and glue each piece as you go and not in complete batches, hoping to save time!



6. In fact, only the visible part of the track will be installed. To obtain the appearance of a perfect track, it is enough to build a template by carrying out an assembly without glue comprising drive-sprocket, idler plus the first and last road wheels. The sections surrounding the sprocket and the idler allow a certain flexibility, which allows them to be assembled/disassembled to paint them off the model

FULL-BUILD: MODERN ERA RUSSIAN AFV

ZVEZDA 1:35 2S35 KOALITSIYA-SV • KIT NO.3677



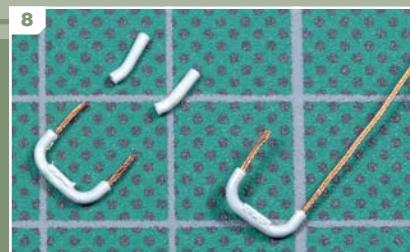
7. The cupola with all its equipment. It now remains to determine what angle the machine gun will have by choosing the compression level of the spring. The largest spring corresponds to a fully raised machine gun, as during parades, and the second to an intermediate position. You can resize this part to adapt it to your personal choice

A KNOWN CHASSIS

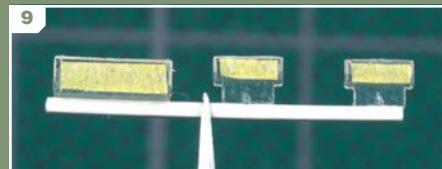
The chassis of the kit is now well known to us, as it is already found in the brand's T-90 and BMPT Terminator models. If the running gear and the tracks are identical, the hull has been modified to take into account the modifications made, the most significant being the raising of the hull roof. We also note that the stowage boxes have been significantly simplified, both on the front and the back. The assembly of the hull goes well provided you build everything at the same time: sponsons, sides then top of the hull. By working this way, one can easily correct small fit issues. It would certainly help to have four hands, but with some adhesive tape and a little patience, it goes together well.

Most accessories and equipment were used without modification, but the exhaust guard (G40) will benefit from being refined. The only unused parts are the hand-holds (F13), which were replaced with homemade ones formed from 0.7mm brass rod. The two front steps (D20) were also modified to make them less fragile. The main additional work consisted of using two-part putty to create the weld seams around the many lifting points (F17 and D27 in particular).

After performing a dry-fit test, I was able to verify that it was possible to cement the large side skirts first, without them hindering the installation of the roadwheels afterwards; this would prove to be very helpful for the painting stages to come. I decided not to use the famous wooden log, which is omnipresent on all Russian armoured vehicles. However, I still had to rework the supports (parts D5/D6) moulded integrally with the hull.



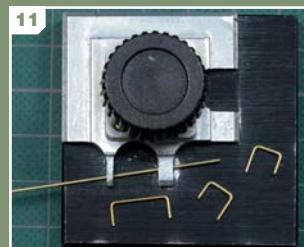
8. The hull-front crew steps have a position which makes them suitable for almost guaranteed breakage. It is more prudent (and more realistic) to remake them from copper cable. The step parts were separated then their ends drilled with a 0.4mm drill. We then glue a small piece of brass cable into the hole using cyano. Needless to say, they were mistreated afterwards... but they held out!



9. The periscopes of each hatch would be painted before assembly following a well-used sequence: a coat of chrome paint (Alclad 2) then black and finally the green paint of the vehicle. A piece of masking tape protects the front, which should not be painted. To facilitate the work, the periscopes were temporarily glued to scrap plastic



10. The periscopes were painted in Alclad 2 Chrome, then in black and finally in Russian green. Now was the time to remove the protective pieces cut from Tamiya masking tape



11. The bars for climbing the sides of the turret were all redone in 0.7mm brass rod, those of the kit being too thick. To shape them, the author used an old photo-etched folder. You will notice that the bars all have one side longer than the other...

12. ...because even with the utmost care, not all bars have the same dimensions. The bonding to the kit is done by one at a time, by first drilling a first hole, then by placing the longest side there which can pivot and tell us precisely where to drill the second hole without risk

13. To avoid traces of cyano on the exterior surfaces, the brass rods were glued inside the kit (this is why the turret roof is not glued before this stage). To keep a constant spacing from the external surface, the author used a shim cut from a 2mm thick Evergreen strip

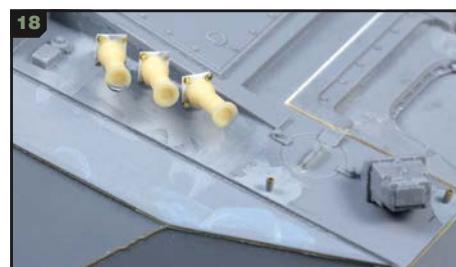


14. The turret is covered by small tubes on its sides (three on each side at the bottom plus two at the front) as well as on the roof (twelve in total). The parts moulded-in detail were eliminated and replaced with 0.7mm diameter tube outside and 0.4mm inside. Gluing was done from the inside, this time with a drilled template, the tube being pushed into the armour until it was the correct length

15. The grab bars on the body were redone in brass rod. After gluing, the author would apply a layer of diluted (Tamiya grey primer) which will fill all the gaps that might be seen after painting. For a perfect finish, light sanding with water is recommended



17. The author accidentally eliminated plastic that seemed to be excess on the rear armoured box; a serious error, which had to be repaired with plastic rod. The support for the tree trunk (traditionally stored on the rear panel of Russian tanks) was patiently cut and filed to give it the right shape and refine it, because originally it was just cubes moulded to the main part

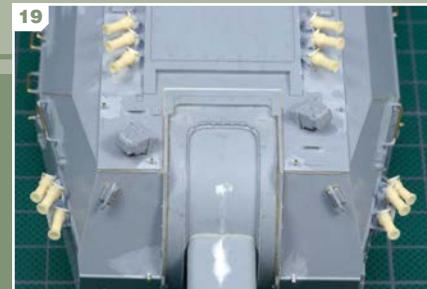


18. The only conversion kit used for this project relates to the smoke launchers, because those in the kit are too simplified. It was easier to redo the plastic card supports, using the originals as templates. A few Voyager photo-etched bolts will finish the job. Only the cables are missing (the power supply is visible on the left), but for lack of photographic reference, the author left them off

TURRET

The focal point of the kit is the turret with its more than generous proportions. As with the hull, it is advisable to work holistically by putting in place all the vertical panels at the same time, without forgetting to include the roof (without gluing it) to check that all are fit nicely in their places, without forming gaps. The turret roof would not be cemented until all the brass steps had been fixed using cyano gluing from the inside for the reasons of aesthetics and solidity. In addition to the brass bars, I used 0.7mm brass tubing (with 0.4mm interior, which was widened by drilling to 0.5mm) for the series of tubes that adorn the turret exterior.

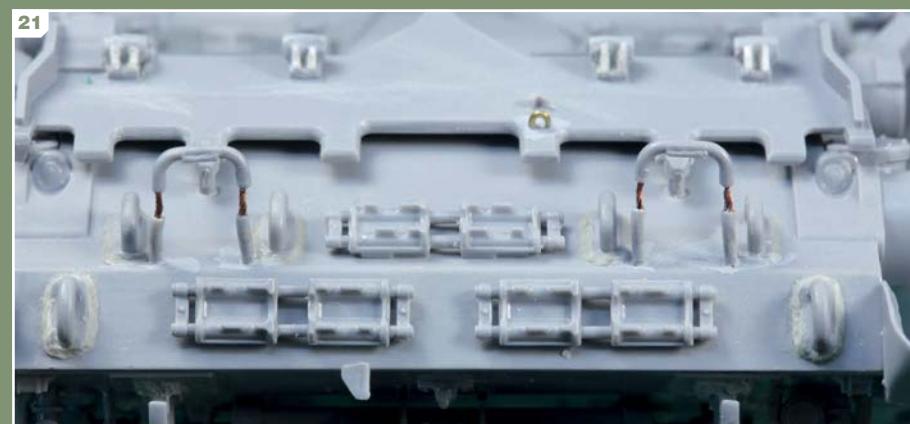
Rather than spending a lot of time refining and improving the smoke dischargers, I opted for a radical solution: replacement with quality resin parts plus the fabrication of new supports in 0.15mm plastic card, using the kit parts as templates. The laser alert detectors at the four corners of the turret are rather average, but by cementing parts F8/F9 edge to edge and sanding them carefully, they are acceptable. The autoloaders seem complex to assemble, but they are



19. After fixing the roof, the author noticed a gap behind the gun mount. You can either use filler or, as here, insert a thin strip of plastic from edge to edge, which is quicker and is without any risk for the details nearby, because no sanding is needed



20. Apart from the welds and an inverted U-shaped part made from a scrap photo-etch chute, everything is box-stock. The added part supports the pilot's rotary hatch when it is in the open position



21. Under the machine the dozer blade received a brass hoop and hinges with reinforcements, redone with small triangles in plastic card

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FULL-BUILD: MODERN ERA RUSSIAN AFV

ZVEZDA 1:35 2S35 KOALITSIYA-SV • KIT NO.3677



22. The turret rear finished. We can see the armoured boxes with all the welds redone, large storage boxes fixed above, and finally, the ramps for the automatic loading of ammunition



23. All that is missing are the two tow cables on the rear panel. The mounting marks are perfectly positioned and allow it to be glued without risk after painting, so why deprive yourself?



24. We can clearly see the welds along the joints the large panels constituting the turret, made from stretched sprue. It certainly takes time, but what satisfaction and realism they will create after painting!



25. Grey primer was applied over the entire model to verify that nothing is wrong before giving the machine its final livery

not. The only point to be aware of is the positioning of parts H60 and H49, the two hydraulic arms that are sandwiched under the protective frame. Other than that, nothing to report, with everything fitting to the nearest millimetre.

GREEN ONLY

For the painting of the kit, there's not much choice because recently – for cost reasons – all Russian AFVs are painted in solid green. And it's a green that's not easy to achieve by the way. When you look at a photo taken from close up under good lighting, you see a fairly bright green, but when you see a photo of the same machine taken from further away, the green suddenly appears significantly darker. Under these conditions, how do you proceed? I had no quick fix, just a personal preference to put forward. For this project, I chose to use the new Real Colors range from AK Interactive. I chose RC098, a fairly bright modern Russian green, rather than their RC100 Russian Grey-Green. In terms of markings, given the little information available, I did not apply anything.

The orange logos seen at times during the parades do not appeal to me, so I imagined an alternative scenario where they appear, but without being placed on the turret, as you can see in my final presentation of the model. As for the MSTA-S, this new self-propelled vehicle will make a spectacular model in a collection of modern armoured vehicles and it's a fun build with very little to worry about. ●



26. For painting, the author turned to AK Interactive's Real Colors range which offers shades suitable for the most recent Russian machines



27. A layer of Tamiya LP-24 Semi-Gloss Clear varnish was then sprayed over the entire model. It will protect the base paint during the weathering stages that use white spirit as a solvent. It has another significant advantage: it will darken the basic green



28. The roadwheel tyres were painted in LP-60 NATO Black

TECH SPEC...

ZVEZDA 1:35 2S35 KOALITSIYA-SV

KIT NO.3677

Materials;

Injection-moulded polystyrene, woven nylon mesh, waterslide decals

Paints used:

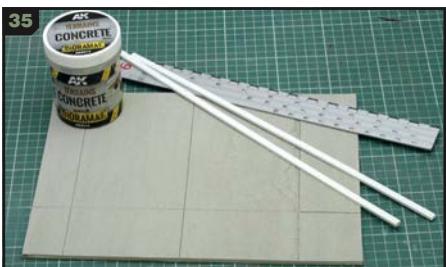
- Tamiya: 87075 Surface Primer, 87131 Panel Line Accent Color (black), LP-60 NATO Black, LP-24 Semi-Gloss Clear
- AK Interactive: RC098 Russian Modern Green
- Alclad 2: 107 Chrome
- Winsor and Newton oils: Vandyke Brown, Naples Yellow Hue, Raw Umber
- Abteilung 502 oils: 035 Buff, 125 Light Mud, 165 Faded UN White, 160 Engine Grease
- AK-Interactive: Concrete Terrains

Accessories used:

- ET Models: Soviet AFV Smoke Discharger (ER35007)
- Evolution Miniatures: Modern Russian Tankers #1 #2 (35087-35097)
- EUREKA: Ref LH-00 Brass cable 0.4mm

Availability:

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



35. The base was made with a ready-to-use AK Interactive product and Evergreen rod. If the product sticks too much when you spread it, just add water. As the author wanted to recreate a rustic concrete effect, he moistened it just a little, but if you want a smooth 'screed', do not hesitate to put more water. Before complete drying, the expansion joints were scored with a ruler and a large cutter



29. The massive travel brace, which holds the gun-tube of the huge 152mm 2A88 gun in position whilst driving, occupies most of the front armour. We see in the foreground a part that seems to be a spare jaw

30. Here we see the three hatches of the crew members. The driver's hatch in the centre pivots forward while the other two open rearward, each with an arm that will be held by locking systems at the base of the turret



31. The rear panel was lightly weathered to bring out the detail of the welds at the base of all towing points. The position lights were painted red with a touch of gloss varnish over the top

32. The automatic feeders are perfectly detailed and barely simplified compared to the originals. To be truly true to reality, we would have to represent the electrical wiring and the pneumatic system that drives them



33. For close protection against aerial or ground targets, the Koalitsiya has a 12.7mm KORD machine gun that fires at 200rpm. The TUCHA smoke launchers are positioned on a supports redone in Evergreen plastic card, which turns out to be as simple as spending a long time refining the parts of the kit



34. The exhaust mounted on the left side of the machine is not covered with sooty deposits as it is often the case on Russian tanks. This will quickly change when the machine enters service with its unit... Part G40 of the kit was patiently refined with a fine file and the end result is quite convincing



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TAMIYA, JAPAN

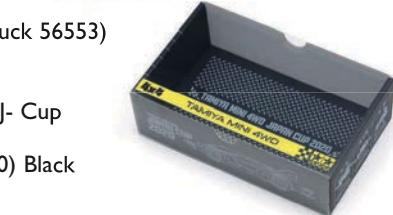
www.tamiya.com www.hobbyco.net

Tamiya's new 'Modelling Template' (squares 1mm to 10mm) is a metal template that's useful for scribing square lines, such as those found on inspection panels of model aeroplanes. It works best with Fine Engraving Needle 20° (74148). 'Mark Fit Super Strong' adds another level of strength to Tamiya's decal setting range, formulated to deal with the most stubborn of waterslide transfers. The cap has a built-in brush for convenience.

MODELLING TEMPLATE (74156)
MARK FIT SUPER STRONG (87205)

ALSO NEW FROM TAMIYA:

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- Basic Mini 4WD Car Box & Sleeve (J-Cup 2020) Black (95139)



FC MODEL TREND, SPAIN

www.fcmodeltrend.com

With MiniArt now releasing at least four different versions of the Cierva Autogyro in 1:35, the stage is set for aftermarket parts to enhance these fabulous kits. This set from FC Model Trend is a simple replacement of the kit wheels for new resin versions which have the characteristic appearance of being weighted down by the mass of the autogyro. The wheels therefore give the finished model the correct scale look, and make the model appear more accurate. The wheels are cast in grey resin, marked left and right, so that the detail on the rear of the wheel corresponds to the brake positions. The quality of moulding is superb, and at just €5, these wheels are worth having. Superb addition to the Cierva C30 kits, but the hubcaps will cover some of the lovely hub detail.

1:35 CIERVA C30 WEIGHTED WHEELS (35675)



MJ-MINIATURES, KOREA

www.mj-miniatures.co.kr

German vehicles – whether armoured vehicles, soft skins, or even wagons, tend to use a standardised form of tool clamps to secure a whole range of items from spades to tow ropes, from track links to cleaning rods. For many years, kit manufacturers have been slowly improving the quality of moulded clamps in plastic kits, but the default has always been to make these up from tiny pieces of etched brass. Indeed, etched brass tool clamps have become infamous for their complexity and fiddly nature. This new product from MJ-Miniatures has the potential to be a complete game-changer. The set consists of an array of 3D printed clamps of different types, produced in eye-watering detail and accuracy. There are 120 clamps of the type used on tools, 32 clamps for five cleaning rods, 32 clamps of the type used to retain tow cables, and 32 clamps used to retain tools such as 'S' hooks and the like. The detail is incredible, right down to the wing-nuts being at different positions, so that the clamps don't all look the same. Each clamp is slightly raised up from the base sheet, so that a sharp blade (I recommend a razor blade) can be slid under the clamp to separate it. The part can then be attached to the model using superglue. The end result is simply breath-taking, and of course the kit tools can simply be inserted into the clamps. This is one of those products that will change how models are detailed; a shame these weren't available before now!

1:35 WWII GERMAN CLAMP TOOL SET (MJEZ35001)



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

EDUARD, CZECH REPUBLIC

www.eduard.com www.creativemodels.co.uk
 Eduard have taken the plunge and created an entire new cockpit for Tamiya's sublime P-38 Lightning kit, not that the model really needs one! But the resin and photo-etched parts add a touch of sharpness and detail that is hard to match with injection-moulded parts and it really does look very nice indeed. The other major set for the Lightning is the gun nose bay, with comprises conversion parts for the bay floor and walls, plus the four .50cal M2 machine guns and 20mm auto-cannon. It's quite a major job but the results will be spectacular.

1:48 BRASSIN

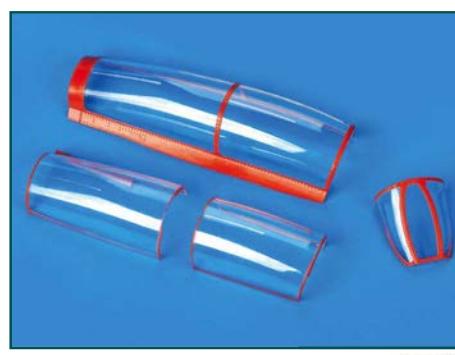
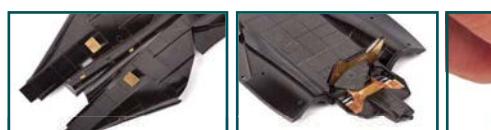
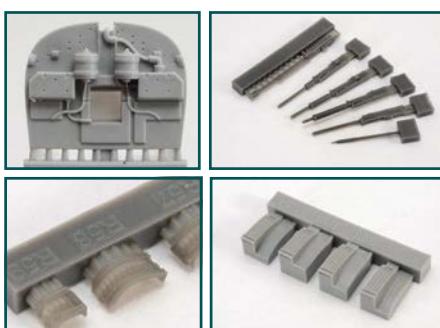
- P-38F/G nose gun bay (648533) for Tamiya
- P-38F cockpit (648533) for Tamiya

1:72 PHOTO-ETCH

- Grumman F-14D Tomcat details (73693) for Great Wall Hobby

1:72 MASK

- Grumman F-14D Tomcat Masks (EX672) for Great Wall Hobby



HAULER, CZECH REPUBLIC

www.hauler.cz

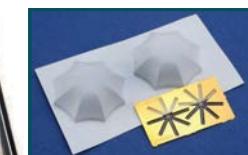
New and recently issued goodies from this top quality Czech produce include photo-etched details for the Airfix 1:72 Jeep, plus a pair of vacuum-formed umbrellas in 1:72 and 1:35!

1:72

- Jeep (HLH72093) for Airfix/Heller
- M20 Armoured Utility Car (HLH72099) for Italeri
- Ural 375 fuel tank (HLH72100) for ZV Models
- Umbrellas (2 pcs) (HLH72085)
- FT-17 French tank WW1 and WW2 era (HLR7199)

1:35

- Umbrellas (2 pcs) (HLU35112)



New Releases

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

What's in the box?

AD: ACETATE DIALS, **CC:** CAST CERAMIC (PLASTER), **CMA:** CAST METAL ALLOY, **CP:** CHROMED PARTS, **CPS:** CLEAR PLASTIC SHEET, **DT:** DRY TRANSFER (DECALS), **EM:** ELECTRIC MOTOR EPS, **EXTRUDED 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:** PCM, **PRE-ASSEMBLED METAL P:**



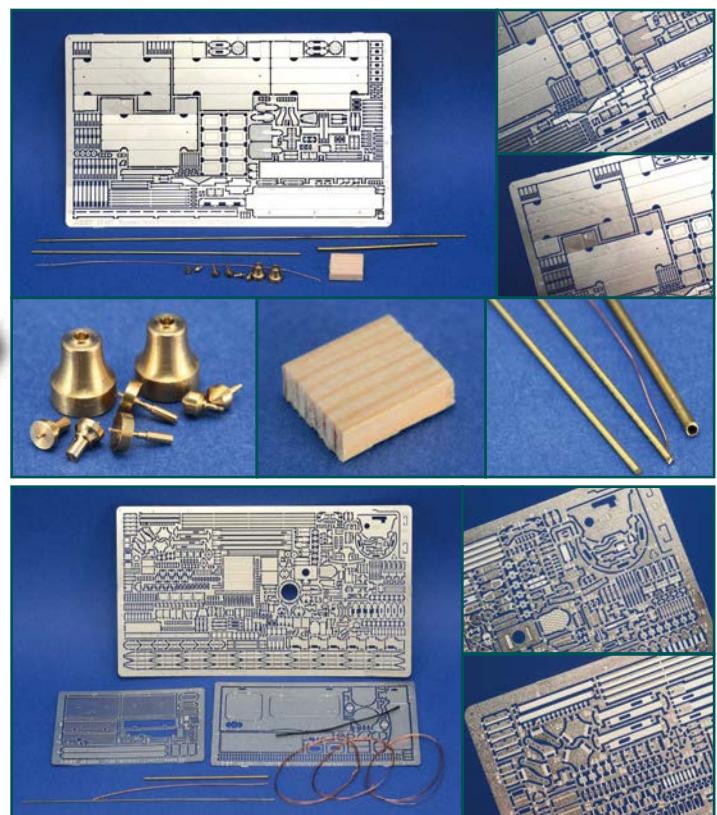
LIVE RESIN, RUSSIA

www.live-resin.com

Live Resin have issued more figures and accessories for a 1:35 Pave Hawk helicopter and the results are as impressive as before. The masters were designed in 3D on a computer, offering pin-sharp detail, with build-lines in just a few places, easily sorted out with a little filler and light sanding.

1:35

- HH-60G Pave Hawk Helicopter Crew Set: Pilot 2 Air Warrior System (PSGC) HGU56/P (LRM35025) (pictured)
- HH-60G Pave Hawk Helicopter Crew Set: Door Gunner Left Side, Air Warrior System (PSGC) HGU56/P helmet (LRM35026)
- HH-60G Pave Hawk Helicopter Crew Set: US SOF personnel carried in cargo door figure 2 (LRM35029)
- HH-60G Pave Hawk Helicopter Crew Set: US SOF personnel carried in cargo door figure 3 (LRM35030)
- UH60 External Gun Mount System GAU-18 M2 version (LRE-35333)



ABER, POLAND

www.aber.net.pl

Tamiya's superb 2013 BT-7 Russian Light Tank Mod.1937 is a fantastic kit and with the addition of Aber's extensive detail set, and can look even better. The set provides replacements for the exterior fittings such as tool, jack, headlight and horn brackets, fender stowage boxes, air intake grille, a whole new turret-mounted aerial, a real wood jacking block and turned-brass jacks. Another Tamiya kit gets the Aber detail treatment too; the T-55 Enigma. Here, we are provided with masses of exterior, sheet-metal fittings, hinges for the spotlight elevation mechanism, commander's hatch vision blocks (a very useful inclusion) brackets for the backs of the space-armour blocks and loads more. Not a quick job, but the kit can really shine with this set in place.

1:35 DETAIL SETS/BARRELS

- Russian Light Tank BT-7 Model 1937 Vol.1 Basic Set (35 258) for Tamiya
- Iraqi Medium Tank T-55 Enigma (35 253) for Tamiya
- German 75mm barrel for PaK40 Middle-Model (35L-45n)
- Set of 2 barrels for German machine guns MG13k (35 L-90)
- Barrel for US M85 .50cal (12.7mm) Heavy Machine Gun (35 L-297)
- German StuK.40 L/48 7.5cm barrel with early-model muzzle brake for StuG.III Ausf.F/8 and StuG.III Ausf.G early (35 L-58n) for Tamiya and Dragon
- 105mm M-68 tank barrel for US M60 tank all versions (35 L-282) for Tamiya, Takom, Dragon



1:48 BARRELS

- 88mm KwK 43/3 L/71 Late (two-part) barrel King Tiger Porsche Turret (48 L-13)

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



AMMO BY MIG, SPAIN

www.migjimenez.com

AMMO by Mig's new 'Shaders' product are acrylic based paints, specially formulated to apply shadows with the airbrush. They come in 10ml bottles with screw-caps and require a vigorous shake before using. The highly-thinned paint goes directly into the paint cup (they are airbrush-only) and can be used to create consistent shading ('post-shading') without the need to make your own mixture, which means mess and waste. So far there appear to be twenty colours in the line-up, from the expected military shades ('Light Olive Drab', 'Navy Grey') to some intriguing others such as 'Light Clay' and 'Sky Blue'. These are well worth trying as they open up some interesting possibilities.

Also new from AMMO is a set of five rubber-tipped 'brushes' which are ideal for burnishing metalliser paints, rubbing in pigments and other techniques that require a little firmer action than a standard paintbrush can offer.

AMMO BY MIG SHADERS 10ML

- Light Clay Shader (A.MIG0869)
- Candy Red Shader (A.MIG0868)
- Yellow Shader (A.MIG0867)
- Dark Green Shader (A.MIG0866)
- Military Green Shader (A.MIG0865)
- Light Olive Drab Shader (A.MIG0864)
- Light Green Shader (A.MIG0863)
- Night Blue Shader (A.MIG0862)
- Marine Blue Shader (A.MIG0861)
- Sky Blue Shader (A.MIG0860)
- Violet Shader (A.MIG0859)
- Ash Black Shader (A.MIG0858)
- Navy Grey Shader (A.MIG0857)
- Light Grey Shader (A.MIG0856)
- Starship Filth Shader (A.MIG0855)
- Grime Shader (A.MIG0854)
- Dirt Shader (A.MIG0853)
- Earth Shader (A.MIG0855)
- Light Rust Shader (A.MIG0851)
- Orange Shader (A.MIG0850)



RUBBER BRUSH SET (A.MIG-7606)



BARRACUDACAST, USA

www.barracudacals.com

Airfix's massive 1:24 Grumman F6F Hellcat gets a serious detail boost in the form of two wheel/tyre sets with vastly improved detail and realism over the standard kit parts. The separately cast hubs offer a great deal of this authenticity. Also new is an undercarriage bay for the Airfix Sea Fury and control surfaces for Eduard's Hawker Tempest. Flawless resin castings as always.

1:24

- F6F Hellcat diamond tread wheels (BR24412) for Airfix
- F6F Hellcat cross tread wheels (BR24413) for Airfix

1:48

- Hawker Sea Fury gear-bay set (BR48348) for Airfix
- Hawker Tempest Ailerons and Elevators (BR48424) for Eduard



New Releases

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

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AIRFIX, UK NORTH AMERICAN B-25B MITCHELL

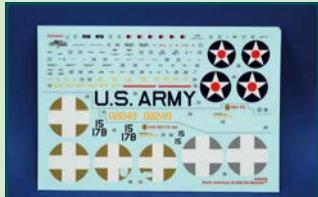
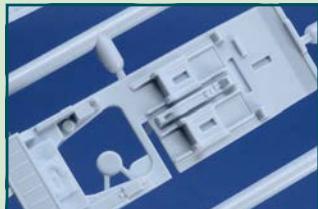
www.airfix.com

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.A06020

The North American B-25

Mitchell's most famous moment was perhaps on April 18th 1942, when sixteen B-25Bs took off from the aircraft carrier USS Hornet and bombed Tokyo and other areas of mainland Japan. For that daring mission alone, the Mitchell deserves its place in the aviation history books and it also makes a very appealing subject for a model kit. Airfix launched their new-tool B-25 in 2018 so this 'B' model is based on a very recent kit, and it shows. The quality of the parts is very high, with refined airframe detail aplenty, a nicely done cockpit (with room for Eduard photo-etched upgrades), fantastic bomb bay (with bombs) and very decent representations of the two radial engines. Airfix have engineered the control surfaces on tail to be positionable and this can sometimes lead to gap problems where the parts meet - this will only become apparent when the kit is built though. A far better idea is optional 'up' or 'down' flaps and this system is employed on the wings of this model. Markings are provided for a Doolittle Raider (of course), aircraft 40-2249 as piloted by Lt. Kenneth E Reddy and don't forget, these machines were well weathered, something often missed by modellers. The other markings option is for a Louisiana-based aircraft on manoeuvres, with large white crosses on its fuselage and wings.

- + Wonderful subject, excellent detail, well designed
- Posable elevators and rudders not always the best idea



DRAGON, CHINA

SD.KFZ.7/2 3.7CM
FLAK 37 W/ARMOUR
CAB/FLAK 36 SMART
KIT 2 IN 1

www.hobbyco.net

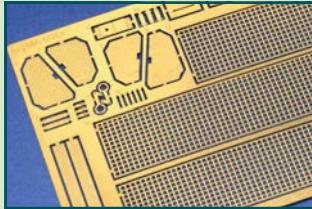
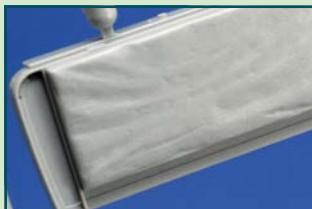
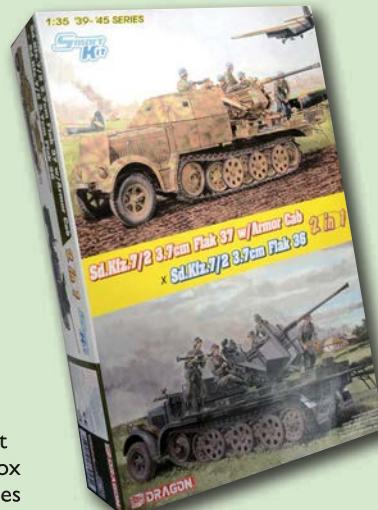
SCALE: 1:35

MATERIALS: IM, PE, SVT, WS
ITEM NO.6953

Dragon like to pack their kit boxes with masses of parts and this '2 in 1 Smart Kit' is no exception: the box positively bulges with sprues of grey polystyrene – over eleven in total – plus a three 'Dragon Styrene' tyres (replace these immediately with a resin pair by DEF Model), two bags of individual-link tracks and a pair of photo-etched brass frets carrying the rear deck's side-panels. The '2 in 1' option refers the early, un-armoured cabin variant (more frequently seen in overall panzer grey) and the later machine with its boxed-in cab and radiator shield. The armour plates change the appearance of the Sd.Kfz.7/2 quite strikingly and most modellers might go for this option. Also, the dunkelgelb with green/brown overspray does look more visually appealing on a scale model. Where Dragon might have had some accuracy 'wobbles' of late, this kit was originally created at the height of their powers around ten years ago and it is refined, accurate and well designed. It comes with an extensively detailed depiction of the Maybach HL62 TUK, six-cylinder petrol engine which just needs some cables and pipework to look complete. The chassis of this model is amazingly thorough and it's recommended to take your time when building it, so everything goes on straight.

- + A beautifully detailed kit from Dragon's 'golden era' and a model that will look magnificent once complete

- Dragon Styrene material does not have a good reputation and the tyres are best replaced with resin alternatives



Kit Reviews

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),



EDUARD, CZECH REPUBLIC FW190A-8 WEEKEND EDITION

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

SCALE: 1:48

MATERIALS: IM, WS

ITEM NO.84122

Eduard's re-tooled Fw190 is a magnificent model aircraft kit and is widely recognised as the very best 1:48 Fw190 currently available. In this, 'Weekend Edition' format, which is to say, without any photo-etched metal or other add-ons, it could be argued that it's in its purest – and most affordable – form. At around £15 to £20 it represents extraordinary value for money and if you change your mind and want to up-detail your model, you can purchase the photo-etched parts and canopy masks from Eduard or your local supplier. The airframe is covered with row upon row of microscopic, recessed rivets (fasteners) in the correct patterns and they really do bring the exterior surfaces to life. Once the model has been painted and decalled, a colour-wash (Tamiya Panel Line Accent Color is ideal) can be applied and with the excess wiped off, the rivets will appear in the subtlest of ways. Two markings-options are provided for the kit: 'Blue 4', W.Nr 732183, piloted by Lt.Rudolf Linz, 12./JG 5, winter 1945 and 'Yellow 14' W.Nr380374 from 3./JG 301, Germany 1945. Both are quite colourful with blue/white spinner or red/yellow fuselage bands.

+ The best 1:48 Fw190 out there and in this form, it's very good value

- Criticising a quality model at this price would just be unfair



ITALERI, ITALY A-7E CORSAIR II

www.hobbyco.net

SCALE: 1:48

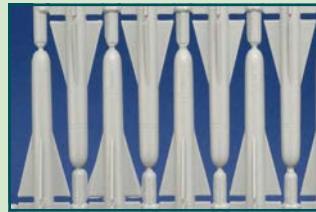
MATERIALS: IM, WS

ITEM NO.2797

Quite frequently these days, Italeri are re-commissioning older Esci kits into the current line-up and as they were often ahead of their time in terms of detail and accuracy, they usually look quite comfortable amongst far younger toolings. This, sadly, is not the case with the A-7E Corsair II. It was originally released in 1977 (most recent re-issue 1988) and not only is it very simplified (there is barely a cockpit), the exterior is detailed with raised panel lines, the norm at the time. This is not to say it is a bad kit, but it would require a lot of time and dedication – not to mention investment in aftermarket sets – to bring it up to satisfying levels of detail and given the asking price of £25 to £30, it's not particularly cheap either. On the plus side, it does come with a hefty sprue of ordnance although the weapons are rather plain and would also need some attention to look passable. Once major plus point of this kit though, is its decal sheet. It is printed by Cartograf no less and it is quite magnificent, with vivid colours, perfect registration and a lovely gloss finish. The markings are so good, they might just be the inspiration needed to get through the upgrades that the kit will require.

+ Stunning Cartograf decal sheet

- Pretty much everything else will need reworking or upgrading



New Releases

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ITALERI, ITALY

LOCKHEED MARTIN F-35B LIGHTNING II

www.hobbyco.net

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.1425

In complete and total contrast to the 1:48 A-7E Corsair II reviewed here, Italeri's new-tool 1:72 F-35B Lightning II is a little work of art, from the tip of its tail to its tyres. It depicts the full V-STOL version of the unlovely but interesting Boeing F-35 and as such comes with parts to depict both the hovering and flight modes. These are mainly restricted to the rear exhaust nozzle which comes in two forms: straight-through and angled directly downwards. With this being a stealth aircraft, the airframe is covered with all sorts of odd-looking radar absorbing/deflecting patterns which appear to be tricky to get right in model-form. Other kit manufacturers have tried this and they all look a bit overdone, this kit included. But, with the right paint job and some (very) subtle weathering, the surface effects will look in-scale and appealingly intriguing. Detail throughout is superb and the model comes with a fantastically rendered bomb bay that includes integrally moulded structural detail, plus pipework and more. Decal options are provided for one of three aircraft: Royal Navy Lightning Force, HMS Queen Elizabeth 2019, US Marine Corps VMFA-121, Japan 2019 and Marina Militare Italiana, Gruppo Aerei Imbarcati, NAS Patuxant River, 2018.

+ Superb detail everywhere: the kit even comes with bomb trolleys for the Paveways and JDAMs

- Airframe RAM patterns might be a little overdone, but will look fine once painted



ITALERI, ITALY

MERCEDES-BENZ G230

www.hobbyco.net

SCALE: 1:24 • MATERIALS: IM, SVT, WS • ITEM NO.3640

The Mercedes-Benz G Wagen – the AMG versions in particular – must be one of the most fashionable vehicles right now, a fact confirmed by the crazy prices that even the older cars can still command. But all Geländewagens are not equal though and the lowly G230 from the 1970s doesn't quite have the machismo of the later six-litre beasts of more recent times. But it still has a certain charm and Italeri's re-issue of the Esci kit from the 1980s is really rather good. As we've noted here before, the bodyshell is the key to a car kit and this one is spot-on in terms of profile and detail, something Esci's designers were really good at. Just like the real car, the cabin is a bit basic, but the detail is still in there, if you squint at the black plastic parts up close. The chassis is very nice indeed, with individual side beams, live axles, anti-roll bars and linkages are quite refined. The suspension swingarms/springs are moulded in with the side beams and whilst this sounds nasty, they actually look remarkably good. No engine is provided but that's fine, the bonnet shut-lines will be preserved this way. The wheels are the basic pressed steel types with fairly small tyres, but there's bound to be aftermarket alternatives.



+ Classic subject and whilst not an AMG, the older design has lots of charm

- A little TLC will be needed for this older kit, but it's not bad

Kit Reviews

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



REVELL, GERMANY

'78 CORVETTE INDY PACE CAR

www.revell.de/en

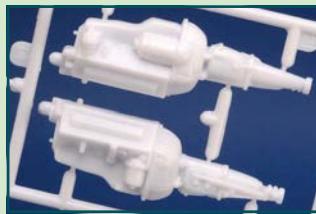
SCALE: 1:24

MATERIALS: IM, CP, SVT, WS
ITEM NO.07646

Look closely at the chassis/undertray of this kit and you'll see '1979' moulded in the translucent white polystyrene, but don't let that put you off, it's still a very presentable kit that captures perfectly the outrageously swoopy profile of the 1978 Stingray. The model is supplied with a replica of its 5.7 litre V8 engine and with some ignition leads and other small refinements, it will look very handsome. The undersides of the kit have been well catered for, with suspension, drivetrain and exhaust parts presented as individual components that can be painted off the car for the best results. For such a '70s bling machine the plated sprue is quite modest, carrying the outer wheel faces, rocker covers, intake, bodyside trims, steering wheel and a few other smaller parts. The quality of the plating itself is excellent. The T-bar roof is a nice feature and Revell provide a pair of clear parts for the panels: these can be left off, of course. The thing that sets this Corvette apart from the others are its markings, which represent the 'Official Pace Car' of the 1978 Indianapolis 500. The decals are very neatly printed and will give the model a very attractive look, over the gloss black and silver paint scheme.

+ A real classic car with added appeal thanks to the pace car decals

- A little more parts clean-up needed than usual, but nothing too bad



WINGSY KITS, UKRAINE

IJA TYPE 99 ARMY ASSAULT PLANE KI-51 SONIA

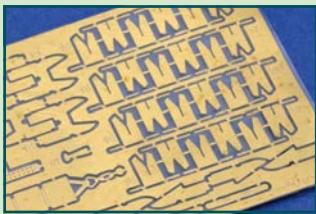
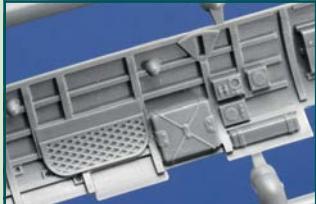
www.wingsykits.com

SCALE: 1:48 • MATERIALS: IM, PE, WS • ITEM NO.D5-04

The Mitsubishi Ki-51 (Army designation 'Type 99 Assault Plane') had the Allied nickname 'Sonia' and was a light bomber/dive bomber in service with the Imperial Japanese Army during World War II. It first flew in mid-1939. Initially deployed against Chinese forces, it proved to be too slow to compete with the Allied fighter aircraft. It performed a useful ground-attack role in the China-Burma-India theatre however, notably from airfields too rough for many other aircraft. (Wikipedia). This new model from the cutely-named Wingsy Kits comes on no less than eight sprues of dark grey polystyrene plus a small but packed fret of photo-etched brass, a sheet of pre-cut masks for the 'greenhouse' canopy and a sheet of decals for one of four examples. Two of the schemes on offer have camouflaged upper surfaces and the other two are in overall IJA Grey-Green. After only a quick look at the instructions it's immediately apparent this is a highly detailed kit with lots of parts, rather akin to one of Eduard's more involved productions. The cockpit is wonderfully thorough with an extensive parts breakdown and it takes up the first eleven stages of the instructions! Detail throughout is astonishing with a no-compromise approach taken with many sub-structures. Ki-51 assault/recon version also available (D5-04)

+ An extraordinarily detailed, multi-part kit with an incredible cockpit and fine airframe rivet detail

- Not a quick build and maybe one for modellers with a little experience



FULL-BUILD: 1:10 RC CAR

TAMIYA 1:10 RC LAND ROVER DEFENDER 90 CC-01 CHASSIS • KIT NO.58657

THE BEST 4X4xFAR... ...AND MADE TO GET **DIRTY!**

Adrian Parkes builds Tamiya's Land Rover
Defender 90 in 1:10 radio controlled form





FULL-BUILD: 1:10 RC CAR

TAMIYA 1:10 RC LAND ROVER DEFENDER 90 CC-01 CHASSIS • KIT NO.58657

I am fortunate to live in one of the nicest parts of the UK's south west, down on the edge of the Cotswold Hills. Land Rover Defenders are commonplace but come in two extremes. Firstly, we have the traditional farmer's trusty steed: all faded panels and different colours, covered in mud and the bumpers held on with wire. Secondly there is the full-on 'Chelsea tractor', metallic paint, big alloy wheels, tinted glass and spotlessly clean. You know the type. So where in this does Tamiya's new CC-01 Land Rover Defender sit? Let's find out...

The Tamiya CC-01 is new to me, as is this type of vehicle, so I wasn't quite sure what it was really for. Crawler, basher or what? The build plods along in a gentle manner without any real issues. It is a little fiddly in places, particularly fitting the front suspension,



A little difficulty was encountered with the spur gear rubbing the casing

but it comes along nicely. Plastic, oil-filled shock absorbers are included, but no ball-race bearings, so these were fitted during assembly to save the trouble of a full strip down later on and I would advise you to do the same.

One niggle I did find is down to the plastics used. My memory of building Tamiya kits is blistered hands from using my dad's wooden-handled screwdriver to force screws into holes made of granite! I didn't get that at all building the Land Rover. In fact there are two distinctly different plastics used in the kit. A harder type used on the chassis, then a more flexible, almost rubbery type used on suspension links, ball cups and other parts. I found this second type so soft that it was very easy to strip the threads without much force at all, so be very careful not to overdo it when tightening the screws. The



Chassis plastics are made with two texture finishes; shiny/untreated on the inside of the model and with a flat texture under the wheel arches that looks just like the real thing

only change I made was to use one of Radshape RC's under-skids in place of the bumper as it suited the design that was planned. Everything else drops in nicely and to our delight a Tamiya brushed/brushless speed controller is included to go with the silver can motor. Before long you have a nicely laid out chassis in front of you, complete with scale wheels and tyres. One thing worthy of note is that the chassis has been designed for NiMH type batteries but I fitted a round case LiPo although I discovered it was actually too long to use the battery retaining clip. You think you are there with the chassis built, but then comes the body and you realise you are actually not even halfway through! I applaud Tamiya for a scale body with so much detail and it even comes with a light set; this is my sort of body. ▶



The propshaft is a piece of serious engineering, designed to take knocks without damage



The steering bell-cranks are quite small for the size of model



The upper link area is fiddly so it's recommended to build the assemblies first then pop the ball joint on

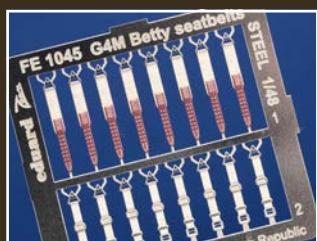
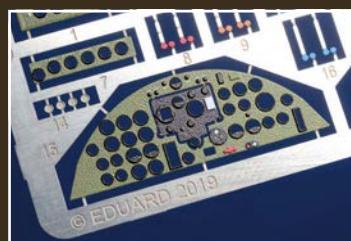
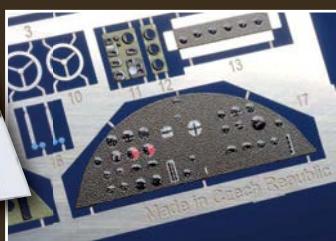


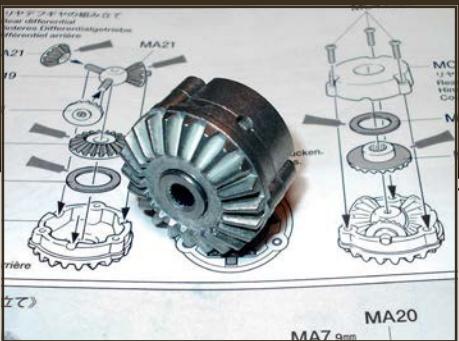
With the front arms in place, just the hubs and shocks to add

Mini Review...

EDUARD ZOOM 1:48 G4M BETTY INTERIOR (FE1044) G4M SEATBELTS (FE1045) FOR TAMIYA
www.creativemodels.co.uk www.eduard.com

If you have Tamiya's still-impressive 1:48 Mitsubishi G4M 'Betty' kit waiting to be built, you can give it a little extra detail with Eduard's two 'Zoom' sets. FE1044 provides a fantastic instrument panel in pre-painted photo-etched metal, plus other controls and consoles. FE1045 provides a full set of seat harnesses for the crew, also in pre-coloured PE metal.





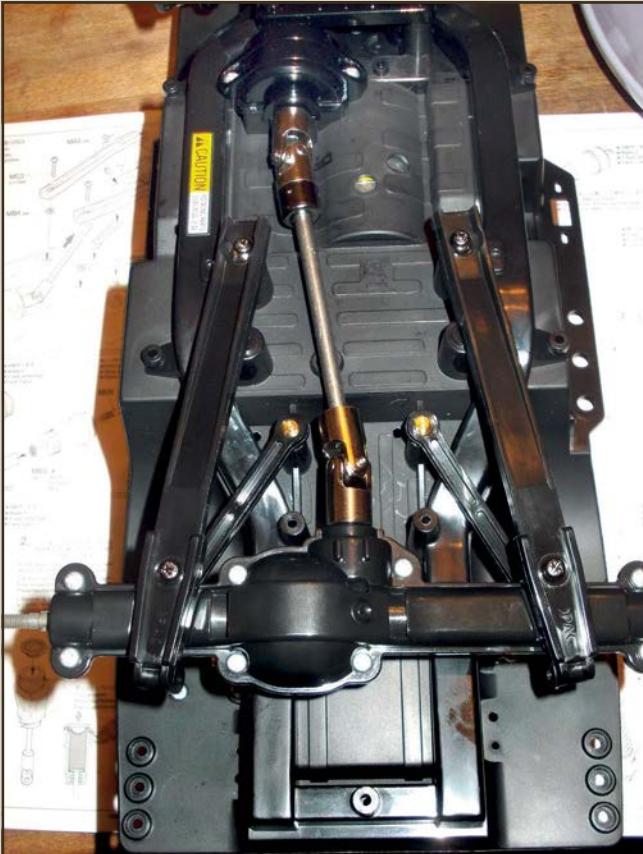
The beautifully engineered all-alloy differential unit



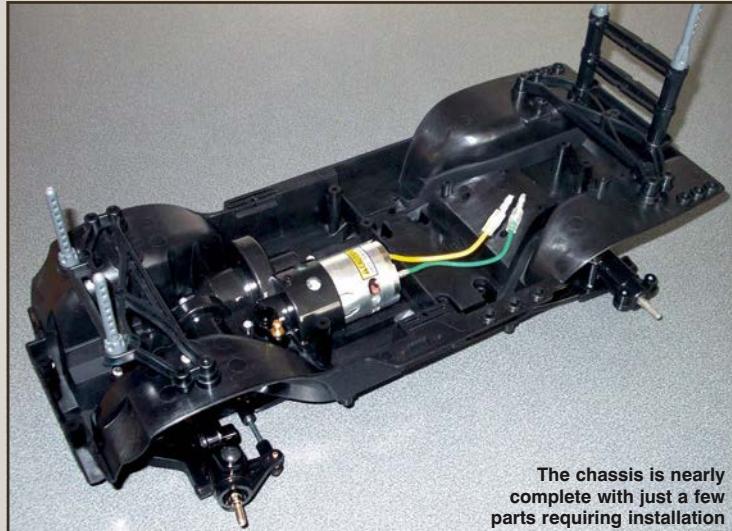
The metal axle parts ensure strength and durability.



Ball-races were fitted to the transmission to save stripping the chassis down at a later date



The rear transmission and trailing link suspension



The chassis is nearly complete with just a few parts requiring installation.



Using the Land Rover wheels to hold the shocks whilst the air rises to the top



The CC-01 comes with oil-filled shocks with sliding collars for ride height adjustment



The masks were made in reverse as they are applied on the inside.



‘Above and Beyond’ decal positioned on the body.



Land Rover logo mask is positioned over the window and into the body area.



The author achieved great results using his custom masks to create this kind of detail



The completed body with custom paint job was well worth the effort.



Cutting out some of the standard decals including the lower windscreens section

FULL-BUILD: 1:10 RC CAR

TAMIYA 1:10 RC LAND ROVER DEFENDER 90 CC-01 CHASSIS • KIT NO.58657

ON TEST

My first impression of the Tamiya CC-01 Land Rover Defender 90 is that it's quicker than I expected with the standard Tamiya RS540 motor. Even on the lowest available gearing and is perfectly happy going over the 1:10-scale ploughed field (back garden lawn) and it romped along an uneven pathway. But let's get rough with it! Crawling is great fun with the Land Rover Defender 90, but you do need discipline on the controls and some skills which take a while to figure out. I spent a good while trying to get up and over a 2ft pile of loose soil. I got there in the end but made quite a mess doing it.

On rocks, the kit tyres and standard suspension settings let it down a little. The tyres are fairly hard as is the suspension for this sort of thing, as the car is too light to make the suspension work enough. Softer springs and damping would no doubt help. That said the tyres do give very good grip on loose surfaces and grass. During building you have the option to lock either or both diff's using the included locking plate. I didn't as I knew it would get used mostly on more steady terrain and wished I had fitted them. As far as bumps and jumps are concerned, no problem. Not only will it jump over the smallest bump when at speed, it's looks truly epic when doing so.

In terms of niggles, there isn't anything major apart from the previously mentioned plastics. The ball cups on the servo link pulled out in less than thirty seconds so these had to be replaced; they are simply too loose on the rod. It has taken quite a few rolls and a few big hits, including rolling off a rock onto more rock and nothing has broken or bent, so a big thumbs up there! The Radshape RC skid guard has proven to be a fantastic piece of kit and is highly recommended, allowing you to force your way up rocks and logs without worry.

So back to the beginning. What is it for, crawling, bashing or racing? Well I would say it is a bit of everything. It is

great fun to drive fast but will crawl if you want, to a degree. I would say this is the perfect model for a mess around either at home or perfect to take on holiday. With a bit of tuning it could be a good basic crawler/basher. But the racer in me is itching to see what it would do tuned up around the local buggy track. If nothing else it will look epic!

I suspect a lot of these will be sold to be painted and sit on a shelf or in a dealer showroom and maybe even Bowler will get one. But please don't do this, as Land Rover Defender 90s were made to get dirty!

SUMMARY

This kit has huge appeal to fans of full-size Land Rover, Tamiya worshippers and the crawler scene. As you expect it is an easy build and not too testing. With some basic radio the rolling chassis can be completed, and then you can focus on that stunning body. Tamiya has released the CC-01 with many bodies over the years, so what will they do next? How about a 1970s Range Rover, or maybe it is time to update and do it on a CC-02. ●

TECH SPEC...

TAMIYA 1:10 RC LAND ROVER DEFENDER 90 CC-01
CHASSIS KIT NO.58657

What we used

Transmitter: Sanwa MT-S 2.4GHz steerwheel
Receiver: Sanwa RX-482 2.4GHz
Servo: Futaba 3003
Speed Controller: Tamiya TBLE-02s (kit)
Motor: Tamiya silver can (kit)
Battery: Peak 4000mAh 2S LiPo

Optional parts

- CC-01 Chassis Lowering Kit (54625)
- CC-01 Aluminium Motor Mount (54665)
- CC-01 Barrel Spring Set (54666)
- CC-01 Assembly Universal Shaft (54608)
- CC-01 Stroke Extension Link (54519)

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





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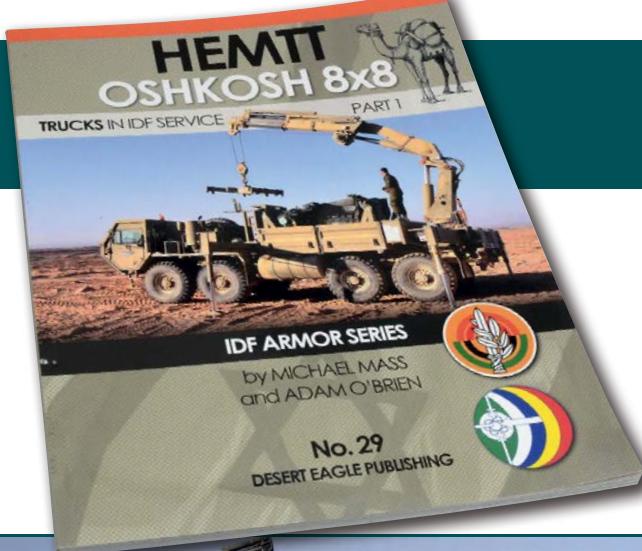
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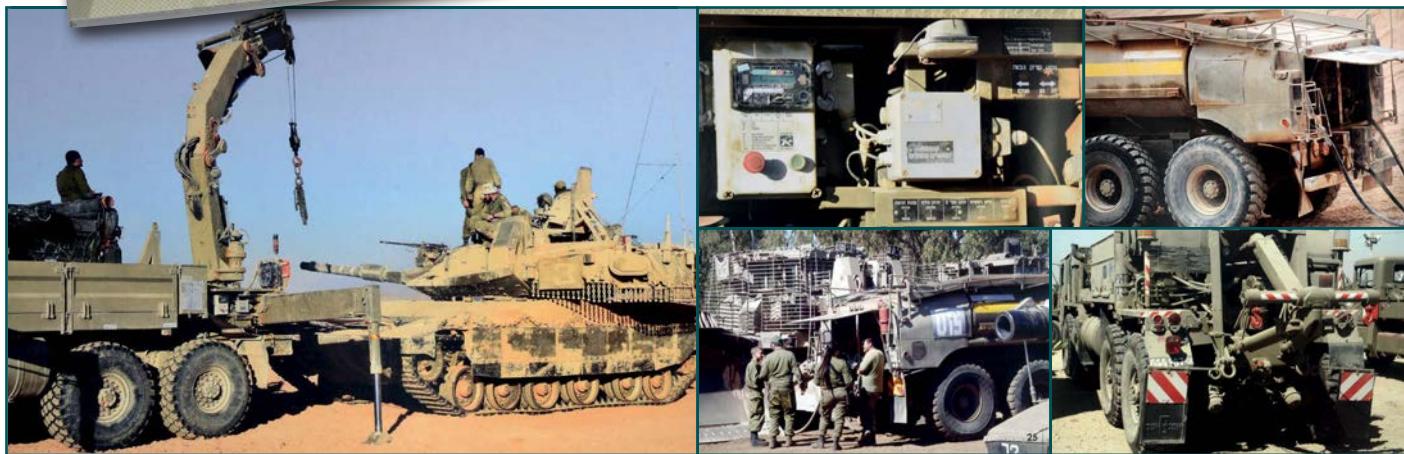


HEMTT OSHKOSH 8X8 TRUCKS IN IDF SERVICE PART 1

MICHAEL MASS, ADAM O'BRIEN,
DESERT EAGLE PUBLISHING

From good booksellers. www.aviationbookcentre.com

The humble HEMTT (Heavy Expanded Mobility Tactical Truck) has seen service in many varied forms and in numerous parts of the world, with the Israeli Defence Force being a major user. This large Oshkosh eight-wheel drive truck can be fitted with a bewildering array of equipment including weapons-systems, recovery gear, LHS (Land Handling System), cranes and fuel tanks, the latter two seemingly the most common in use with the IDF. In this eighty-four page (including covers) softback edition in Desert Eagle Publishing's fantastic 'IDF Armor Series' (No.29) we are treated to the now familiar – and very welcome – pages of dazzling, pin-sharp colour photographs showing the vehicles in use. As ever with this line of books, the images provide the perfect references for those wishing to convert and up-detail their (Italeri, Dragon, Trumpeter) HEMTT kits.

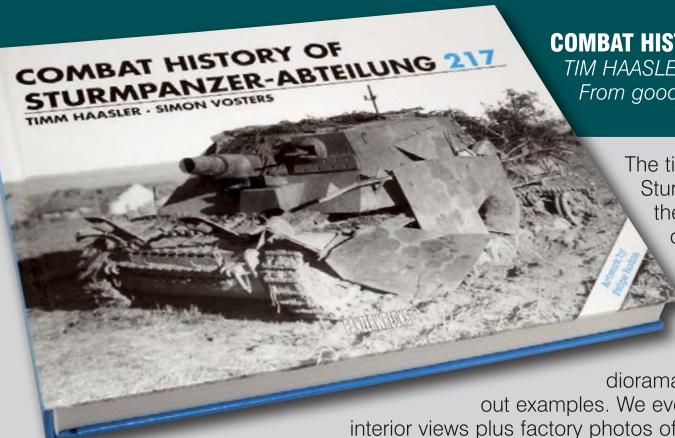


T-54/TYPE 59 VISUAL MODELERS GUIDE, STEEL SERIES VOL.3

PETER ROBINSON, MIG JIMENEZ, CHARLIE PRITCHETT, AMMO OF MIG
From good booksellers. www.migjimenez.com

The Soviet-designed T-54/55 series of tanks is very high-profile these days, thanks largely to MiniArt's fantastic range of 1:35 kits depicting this ubiquitous piece of Cold War armour. This new book then, is perfectly timed for those searching for references on the vehicle. It's a seventy-two page (including covers) softback production that focuses on the T-54/Type 59, the latter being the Chinese-built variant of the T-54A with its own unique design features and an interesting bloodline. It's laid out the walk-around format which is arguably the most useful type of publication for modellers who need multiple views from differing angles of structures and fittings, for the enhancement and superdetailing of the model. Here, pretty much every conceivable part of the T-54A/Type 59 and T-54B photographed by the authors is depicted by clear, colour images and the book will make an invaluable companion for super-detailers.





COMBAT HISTORY OF STURMPANZER-ABTEILUNG 217

TIMM HAASLER, SIMON VOSTERS, PANZERWRECKS

From good booksellers. www.panzerwrecks.com

The title says it all with this latest – and gratifyingly hefty – tome from Panzerwrecks. Sturmpanzer-Abteilung 217 (Assault-Battalion 217) was formed in mid-1943, deploying the 'Stupa' (also known as the Brummbär) extensively. Within the 284+ hardbacked covers of this book we are treated to some phenomenal wartime images, as well as a thorough and engrossing history of the unit. The text chronicles the movements of the Abteilung across various zones of combat, from Normandy to Germany in closing stages of World War Two. Naturally, it's a fascinating read, but what's in it for scale modellers? Absolutely loads, thanks to the incredible collection of wartime photographs of Stupas during manufacture (this would make a fabulous diorama), Stupas on the move, with their crews posing on them and, inevitably, knocked-out examples. We even have a walk-around section at the back, providing some extremely interesting interior views plus factory photos of a machine in a thick coating of zimmerit. The icing on the cake here is the inclusion of Felipe Rodna's extraordinary and beautiful colour illustrations, which are simply superb. Very highly recommended.

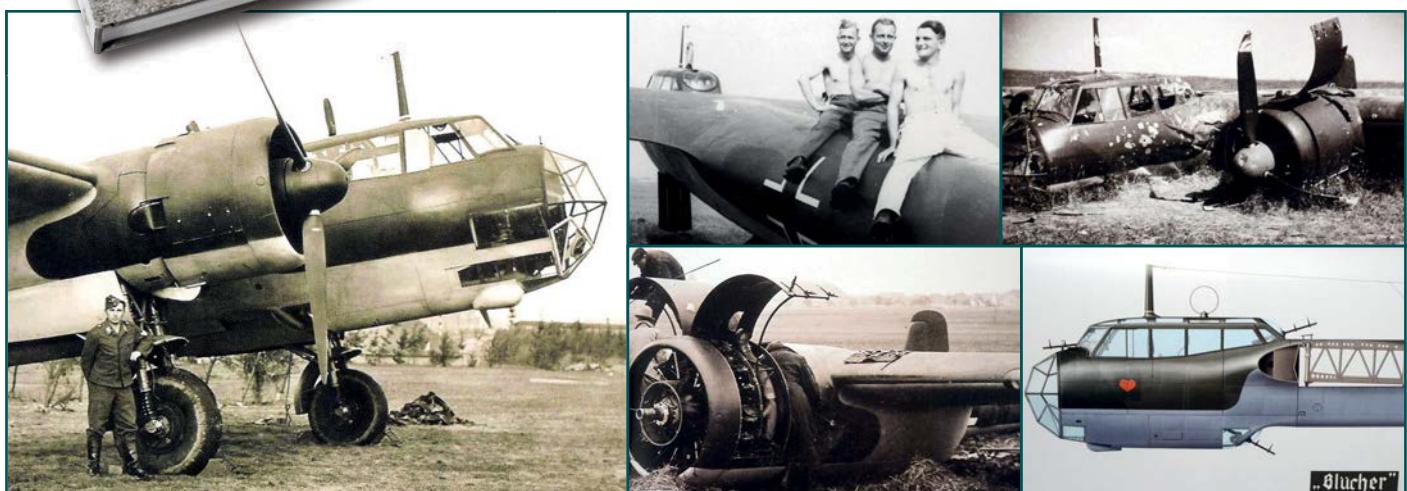


DORNIER DO17, THE FLYING PENCIL IN LUFTWAFFE SERVICE, A COMBAT AND PHOTOGRAPHIC RECORD 1936-1945

CHRIS GOSS, CLASSIC, AN IMPRINT OF CRECY PUBLISHING

From good booksellers. www.crecy.co.uk

With ICM offering several very decent kits of the 'Flying Pencil' in both 1:48 and 1:72 and Eduard offering multiple upgrade sets for them, there has never been a better time to build a model of the attractive WW2 German Dornier Do-17 bomber. Add to that list this stunning new volume from Classic/Crecy and there really is no excuse not to start that project. 336+ hardbacked pages make up the book and you'll find unique and fascinating wartime photographs of the Do-17 on nearly everyone one of them. Janusz Swiatlon provides some super-crisp colour illustrations which complement the photographs perfectly, showing the colours and markings of the subjects with pin-sharp clarity. Author Chris Goss takes us through the developmental and operational history of the Do-17, including its extensive use during the Battle of Britain and subsequent Blitz, in the Mediterranean, Balkans and Soviet Union. It's another magnificent production in this series and if you're fascinated by Luftwaffe subjects, it makes essential reading, as well as being an excellent source of modelling reference.



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MODELS BY
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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
- Using resin upgrade components
- Extending the nose undercarriage leg
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■ Please mention 'Tamiya Model Magazine' if you make contact with any of the companies listed above - thanks!

ON THE ROAD TO MOSCOW

Tamiya's recently issued 1:35 Panzer 38(t) in an Eastern Front diorama setting

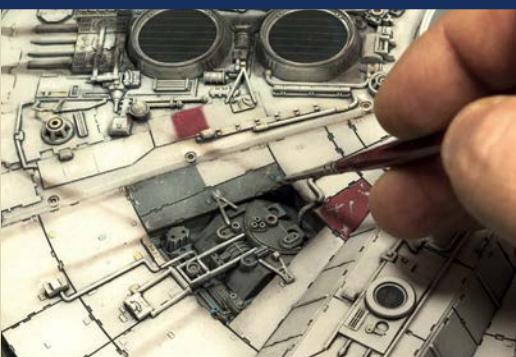
NEXT ISSUE

The next issue of TMMI is August 2020
(No.298), on sale July 16th



...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.



THIS BUCKET OF BOLTS...

Can't afford the Bandai Falcon but still have the Fine Molds kit in the stash? Here's how to build, paint and weather it



Order online now at: www.tamiyamodelmagazine.com

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The Editor's Page...

Tamiya's iconic 1:12 Porsche 934 RSR has gone from orange to green!

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BIG GREEN MEAN MACHINE!

The Porsche 934 was a commercially available racing car developed for international sports car races that started in 1976. It was powered by a horizontally opposed six-cylinder 2,994cc single-turbo engine that produced a maximum output of 485 horsepower. The body was a lightweight type featuring improved aerodynamic performance with wings and spoilers and the suspension was also strengthened. Thirty-one units were manufactured and the 934 recorded overwhelming victory in the races of various places in the hands of the private team. In particular, the Kremer Racing machine, which is also famous as a Porsche tuner, was painted in bright cobalt green with the main sponsor of the German heating and air-conditioning manufacturer 'Vaillant'. ●

Kit features:

- Fully detailed engine with pipework
- Working doors, front boot and rear bonnet
- Steering wheel and front wheels are linked by rack and pinion mechanism
- Coil springs are provided for the front and rear suspension
- The interior is equipped with a roll cage
- Internal fuel tank, oil tank, battery, fire extinguisher
- Photo-etched parts for brake discs, bonnet catch, radiator faces, seat belt buckles
- Decals made by Cartograf





80th Anniversary



HEINKEL He-111 (1436) - 1:48

Item 1436 is the Heinkel He-111 H in 1:72 scale, the Luftwaffe's most important medium twin-engine bomber. This enhanced detail version includes two additional sprues of armaments (bombs and machine guns) and a new decal sheet for 5 versions, 3 of which featured in the Battle of Britain. Item 1436 has approx. 120 pcs to assemble assuring a precise and highly detailed model.

The medium range bomber the Heinkel He-111 formed the backbone of the Luftwaffe bomber squadrons during the early stages of the Second World War. It was twin-engined like many other aircraft of the period, but was also an innovative aircraft in its use of all metal frames. Largely due to its two Jumo 211 engines it was able to reach a maximum speed of 440 km / h and could carry up to 2,000 kg of bombs in its internal loading bay. Easy to identify due to the distinctive fully glazed nose and the wing and rudders profiles, the He-111 was extensively used during the Battle of Britain in 1940. Its key role was daytime and nighttime bombing raids on major cities and industrial areas. During the conflict it was constantly improved and upgraded but had become obsolete by the conclusion of the war.

HURRICANE Mk.I BoB 80th Anniversary (2802) - 1:72

This kit in 1:48 scale is one of the best of this category thanks to the high level of details: it includes the reproduction of the Merlin motor and can even be assembled with removable motor panels in order to show it. Item 2802 is composed of approx 115 plastic parts, of which 11 are in transparent plastic, and a photo etched sheet with 8 parts.

The Hawker Hurricane has been the most widely used fighter by the British Royal Air Force at the beginning of World War II. The Hurricane was powered by a Rolls-Royce Merlin 12-cylinders, liquid-cooled, with more than 1,000 HP that could lead to a speed above 500 km/h. The eight 7.7 mm Browning machine guns, which equipped it, guaranteed a good firepower. Although it was slower and more antiquated, for aerodynamic design, than the famous "colleague" with whom it shared the operational engagement during the Battle of Britain, however, was more robust, cheaper and easier to maintain and repair. It contributed significantly to the victory of the RAF during the Battle of Britain, but during the war, it was gradually given the role of front-line fighter to the more modern Spitfire.



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FORD MUSTANG GT4



1/24
SCALE

Tame the Mustang

Announced to great acclaim at the 2016 SEMA show, the Ford Mustang GT4 features carbon fiber doors, roof, engine hood and more, a rear wing and diffuser contributing to advanced aerodynamics, and a high-performance 580hp, 5.2-liter V8 engine with 6-speed sequential transmission. Designed and engineered jointly by Ford Performance and Multimatic Motorsports, it is active in races across the globe, taking on rivals from other major manufacturers in the competitive GT4 class. Now, this highly popular car makes a triumphant entrance into the long-running Tamiya 1/24 Sports Car Series. Surely a 1/24 Mustang GT4 will be on your workbench in the near future!

1/24 Sports Car Series Ford Mustang GT4 (Item 24354)



A detailed underside has depictions of suspension, exhausts, and transmission – plenty to get to work on!



Go close up on the engine hood with its vents and fasteners. Front fenders also have air outlets accurately captured.



The realistic interior has depictions of roll cage, bucket seat, air jack compressor and various electronics.



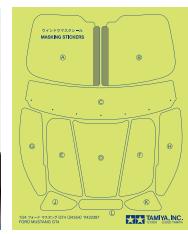
A glance at the rear, where a decal depicts the carbon fiber wing surface, and the central refueling point is located.



Markings for no.17 and 18 cars are included.



Features accurate brake discs and Brembo calipers.



Comes with masking stickers.

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Give your Mustang some company!

Why not pair the Mustang GT4 with our model of the breathtaking Ford GT, Item 24346? Its elegant, sleek lines make the perfect foil for the powerful Mustang GT4 design!

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

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

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