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Model MAGAZINE
INTERNATIONAL

ISSUE 333

July 2023
£5.99



FRENCH FRIED

Tamiya's 1:35 R35 Light Tank, oily, dusty and rusty

Model MAGAZINE INTERNATIONAL



LIGHTNING IN THE IETO

Tamiya's stunning 1:48 P-38J in European theatre service



こんにちは SHIZUOKA!

A big 'Konnichiwa' to the Japanese hobby show!

INSIDE

Tamiya 1:24 GMA T.50 preview, Revell 1:24 slammed Trabant, plus new kits, books and modelling accessories...

DOOLITTLE MEDIA



LOTUS Type 78

1/12 Big Scale Racing Car Series

Lotus Type 78

(w/Photo-Etched Parts) (Item 12037)

1/12
SCALE

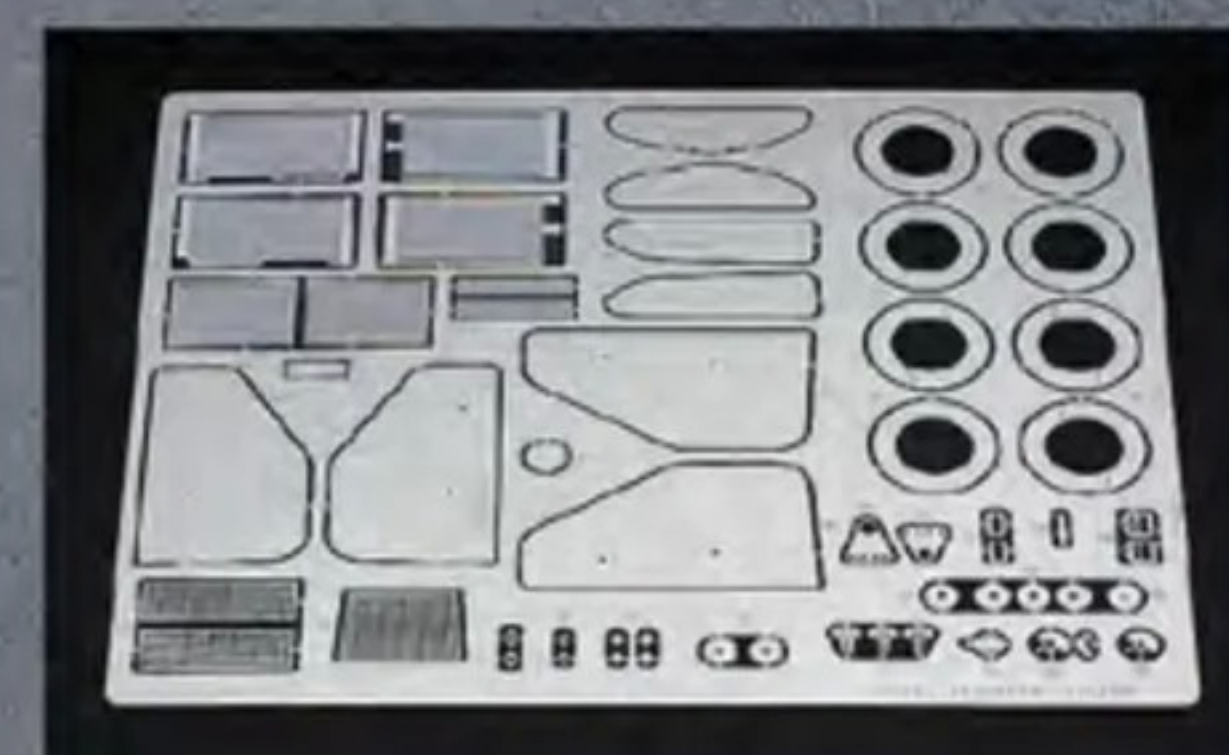
Length: 381mm
Width: 171mm
Height: 76mm



Mario Andretti,
1977 British GP

PHOTO-ETCHED PARTS

Comes with photo-etched parts for radiator cores, brake discs, two different types of wing end plates, seatbelt buckles, cowl fastener parts and more.



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Hobbyco UK & Tamiya UK

A Pioneer of the Wing Car Era

Renowned as one of the pioneers of the wing car era, the Lotus Type 78 debuted in the 1977 Argentine Grand Prix to much acclaim for its sleek, aerodynamic form. The inverted gull wing shaping on the underside of its side pontoons generated significant downforce via the "ground effect," without adding significant drag, giving the Type 78 exemplary cornering speed. That year Mario Andretti and Gunnar Nilsson achieved five wins in total. Although they did not become champion, this car's concept was passed on the next season to the Type 79 which got both Driver's and Team's Championships. Bring back your memory of this pioneer - which gave impetus to the wing car era - with our kit!

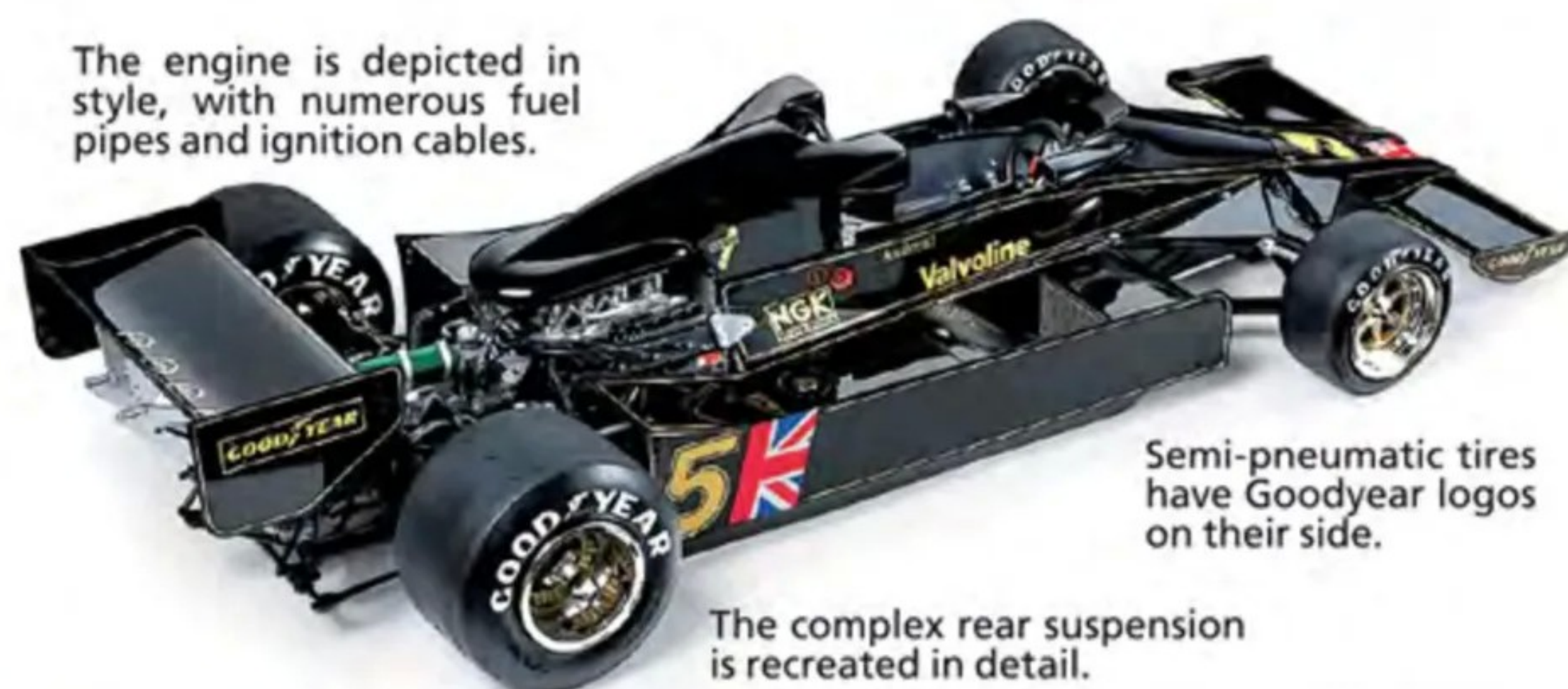


Seatbelts use faux cloth and photo-etched components, adding to the cockpit's impressive realism.



Side pontoon undersides have the inverted gull wing shaping recreated with accuracy.

The engine is depicted in style, with numerous fuel pipes and ignition cables.



Semi-pneumatic tires have Goodyear logos on their side.

The complex rear suspension is recreated in detail.

★Features moving coil-sprung suspension.★The steering wheel turns the front wheels.★Removable front and cockpit cowls, radiator ducts and induction box allow inspection of the model interior, even after its completion.

Ronnie Peterson,
1978 British GP
Qualifying Race



Choose between two designs of wing end plates. Decals depict drivers' names.



Approved and licensed by Classic Team Lotus Ltd.
www.classicteamlotus.co.uk



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

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

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24 WEATHERING MASTERCLASS

An expert's approach to weathering Tamiya's R35 Light Tank



COVER STORY

32 LIGHTNING IN THE ETO

Another look at Tamiya's 1:48 P-38J Lightning, the best aircraft scale model yet?

Model MAGAZINE INTERNATIONAL

Issue 333 July 2023

EDITOR Marcus Nicholls
editor@tamiyamodelmagazine.com

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TMMI flies to Japan to attend the re-launched Shizuoka Hobby Show

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IN BRIEF...



TAMIYA

- 1:48 Supermarine Spitfire Mk.I & Light Utility Car 10HP Set
- 1:48 Ilyushin IL-2 Sturmovik & GAZ-67B Set
- 1:48 Focke-Wulf Fw190 D-9 JV44 & Citroen Traction 11CV Staff Car Set
- 1:48 P-47D Thunderbolt "Bubbletop" & 1/4-ton 4x4 Light Vehicle Set
- 1:48 Messerschmitt Me262 A-2a w/Kettenkraftrad
- 1:35 German Tank Destroyer Marder II
- 1:35 US Assault Tank M4A3E2 "Jumbo"
- 1:35 German Infantry Combat Vehicle Marder 1A2 with MILAN

hobbyco.net



AFV CLUB

- 1:35 M34 40mm GMC
- 1:35 M113A1 MRV (New version)

bachmann.co.uk

GECKO

- 1:35 Canadian Badger flamethrower RAM Mk.II (late)

tigerhobbies.co.uk



HOBBYBOSS

- 1:48 Pz.Kpfw.IV Ausf.F2

bachmann.co.uk



ICM

- 1:16 Soldier of the Armed Forces of Ukraine

icm.ua.com hannants.co.uk



MS MODELS

- 1:35 T-Rex details for Tamiya Comet tank

passionmodels.jp



TRUMPETER

- 1:16 Sd.Kfz.251/D

bachmann.co.uk



COMING BACK FROM TAMIYA! 1:35 M3 halftracks

Tamiya's 1:35 US halftrack series has been away for quite a while, but the good news is they are on the way back!

- US Armoured Personnel Carrier M3A2 Half-Track
- US Multiple Gun Motor Carriage M16
- US 81mm Mortar Carrier M21

www.hobbyco.net



COMING SOON FROM TAMIYA Educational Construction Series Duck

Have some bath-time fun with Tamiya's Walk and Swimming Duck!

www.hobbyco.net

NEW FROM TAMIYA 1:48 Ambulance

Tamiya new 1:48 'British 2-Ton 4x2 Ambulance' was shown at Shizuoka - the model on show was a 3D-printed prototype.

www.hobbyco.net



COMING SOON FROM TAMIYA 1:24 Lancia Stratos

Tamiya released the 1:24 Lancia Stratos Turbo back in 1977 and it'll soon be back in model shops for some '70s retro coolness

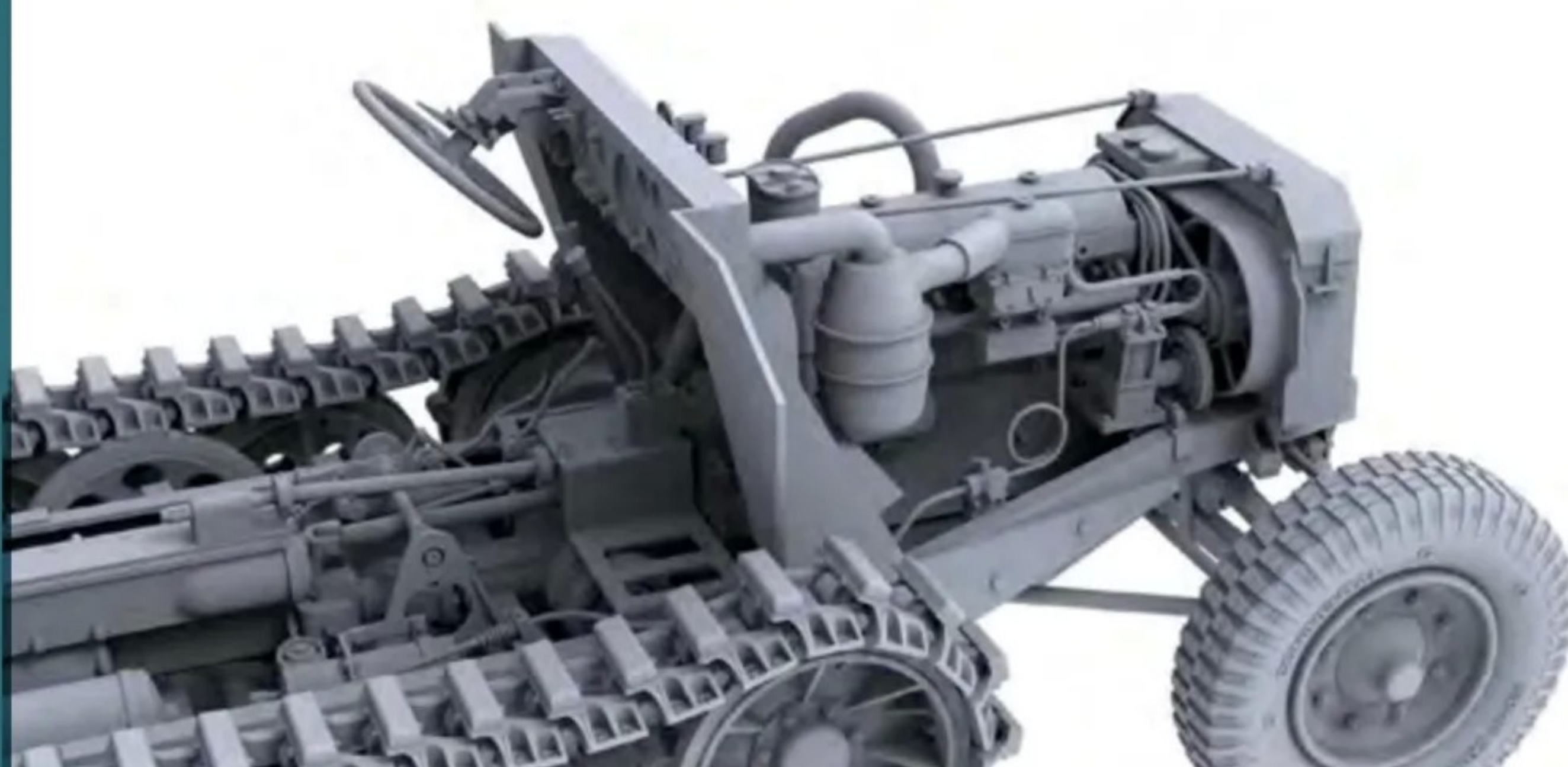
www.hobbyco.net



NEW FROM DAS WORK 1:16 Sd.Kfz.251

1:16 is rapidly expanding, with the latest to join the large-scale ranks being the WW2 German Sd.Kfz.251 Ausf. D halftrack.

www.das-werk-models.com





NEW FROM ARMA HOBBY 1:48 Hurricane Mk.IIc

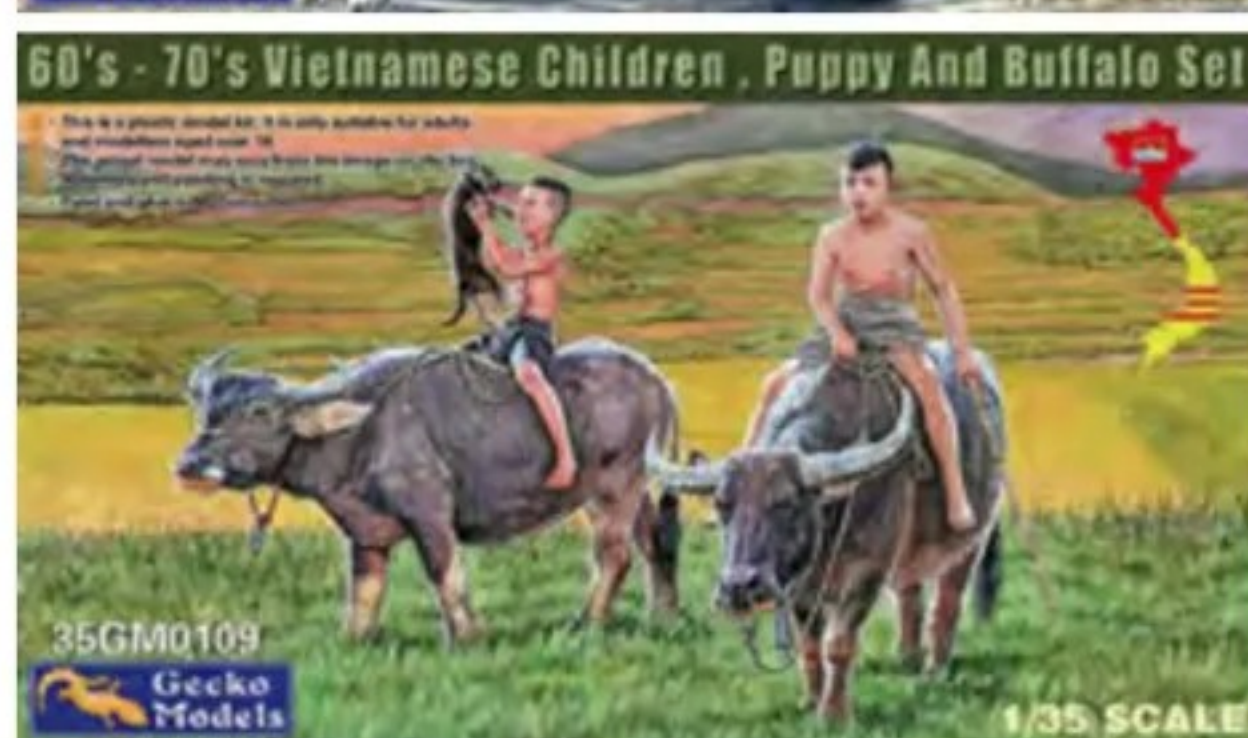
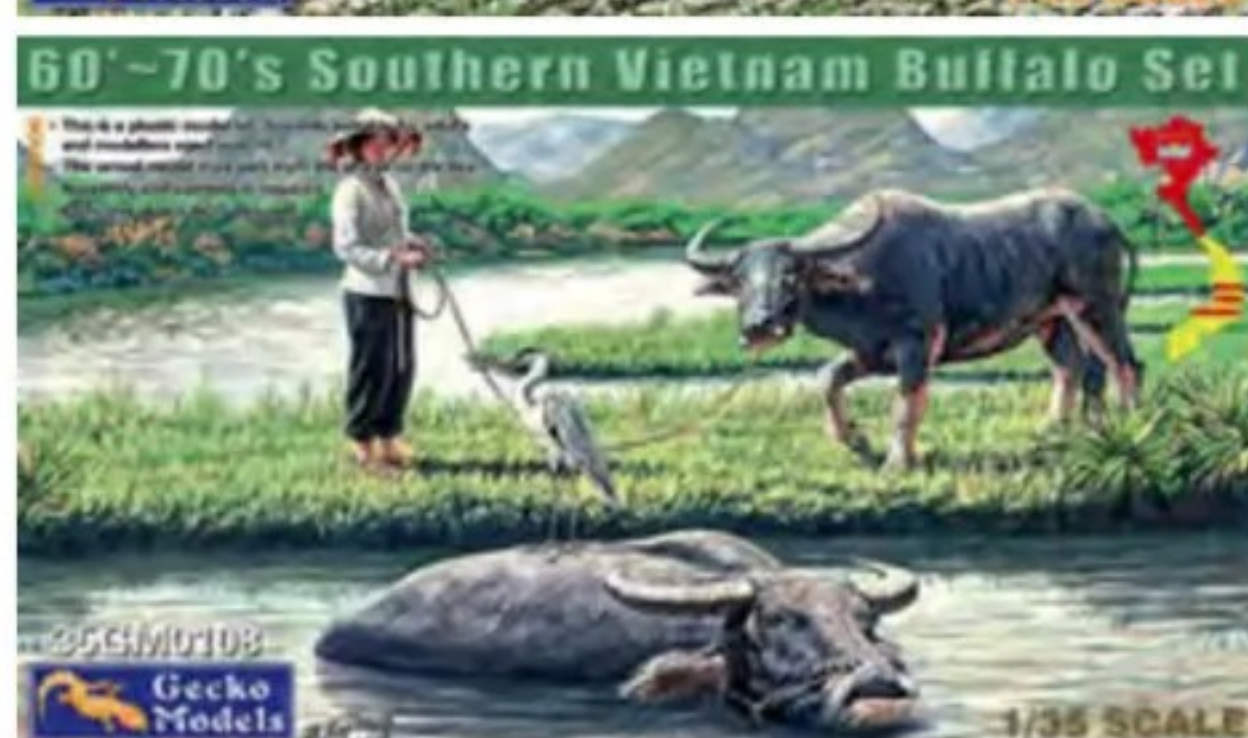
Good news from Poland recently - Arma Hobby are to launch an all-new 1:48 Hurricane Mk.IIc.
www.armahobby.com



COMING SOON FROM BEEMAX 1:12 Honda 99T '87 Monaco GP

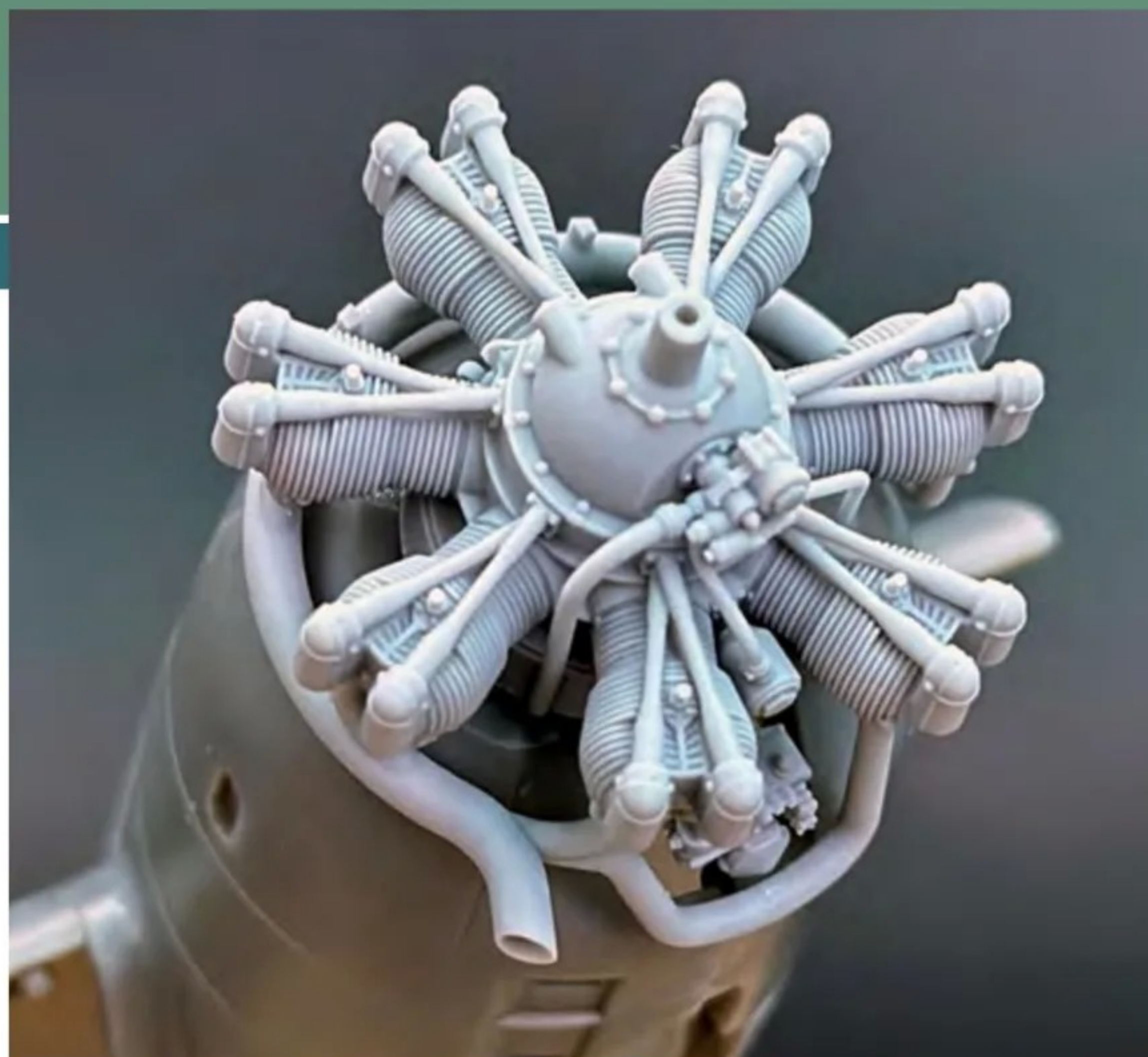
Beemax have moved up a scale to create this F1 classic in 1:12 - more new soon!
www.hobbyco.net

60's-70's Farming in Vietnam



NEW FROM GECKO 1:35 Vietnam figure sets

The sight of farmers tending to their water buffalo is an iconic image of Vietnam and these neat new sets will be ideal for dioramas.
www.tigerhobbies.co.uk



COMING SOON FROM EDUARD 1:48 Anson radial engine

Eduard have employed 3D-print technology to create a pair of stunningly detailed resin radial engines for the recent Airfix Avro Anson Mk.I.
www.creativemodels.co.uk www.eduard.com



COMING SOON FROM REVELL 1:350 Gorch Fock

The Gorch Fock is a tall ship of the German Navy (Deutsche Marine), built in 1958. Revell's kit will certainly look spectacular, and that rigging will be a challenge!
www.revell.de



NEW FROM REVELL 1:24 VW Corrado Set 35th Anniversary Gift Set

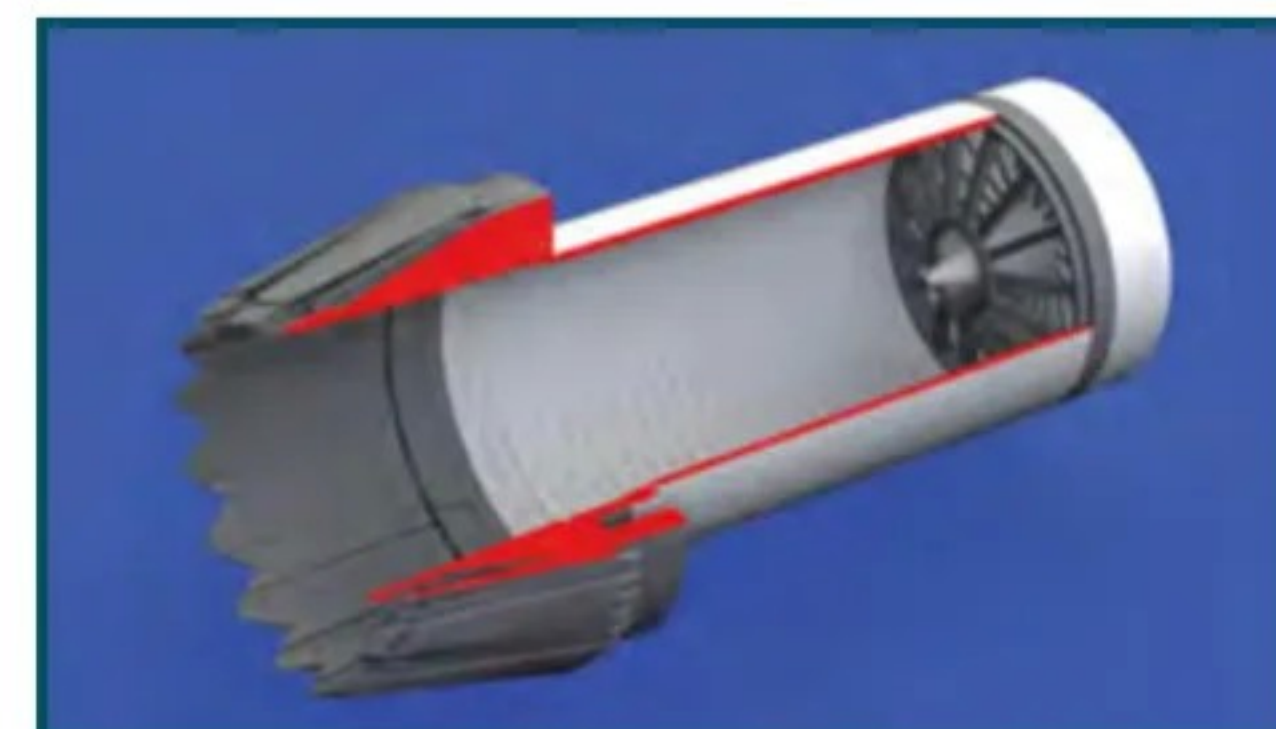
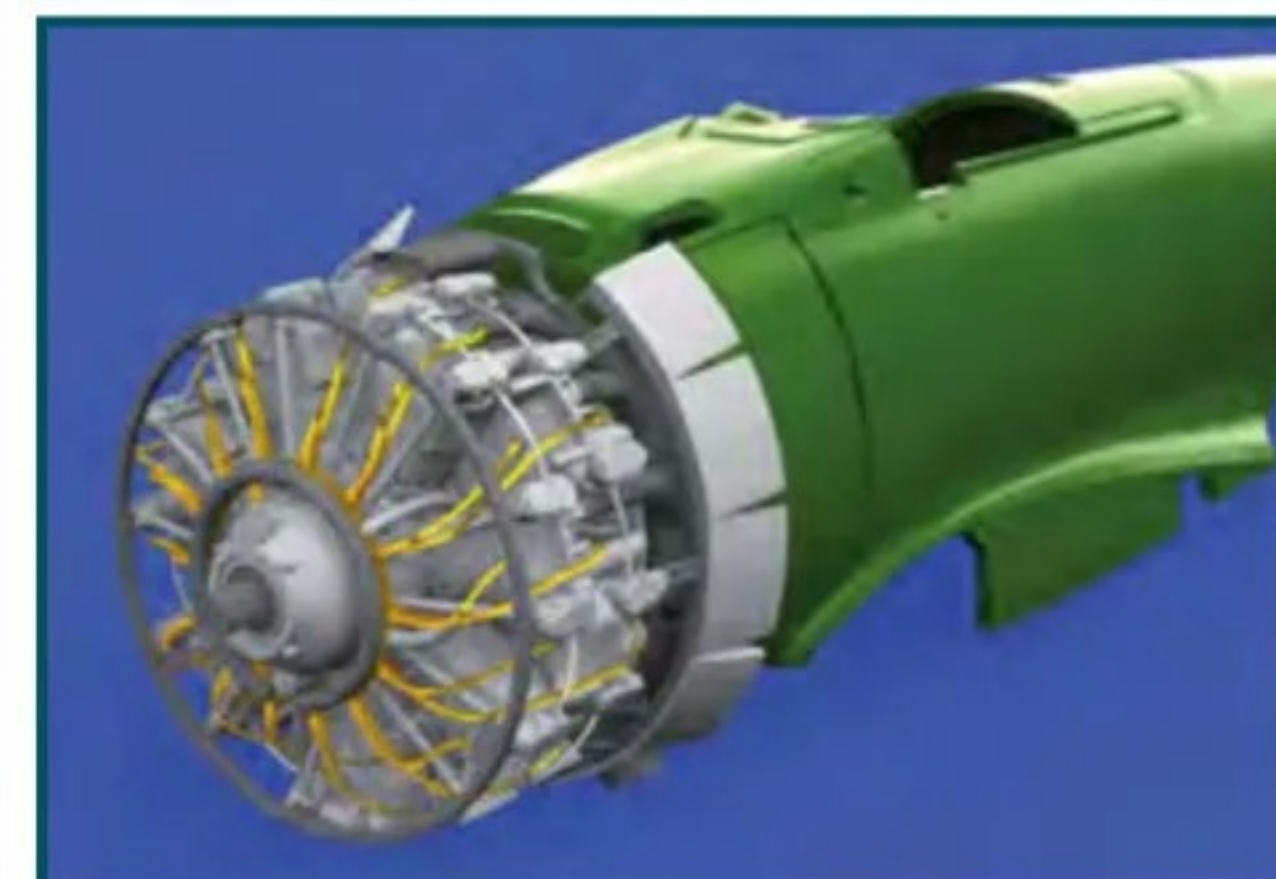
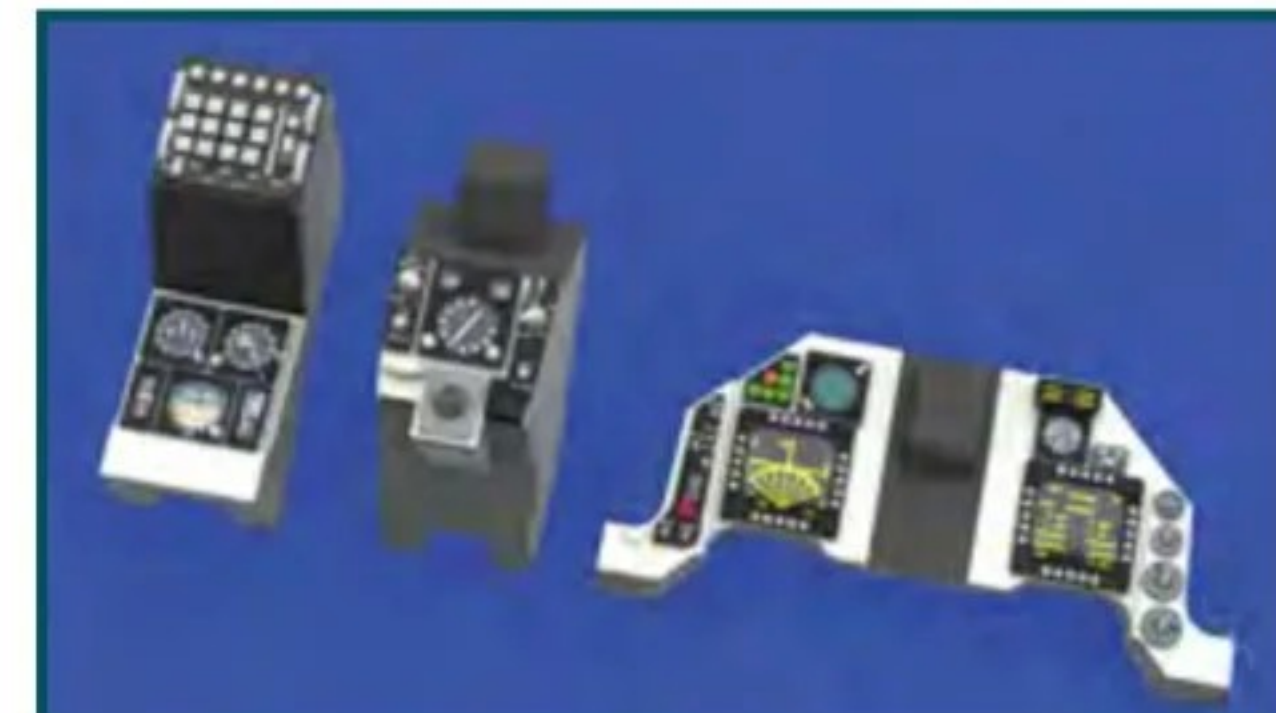
This iconic 1990s VW coupe is back from Revell and it's an accurate-looking replica in 1:24.
www.revell.de



COMING SOON FROM EDUARD

- 1:32 Hurricane Mk.IIb instrument panel and photo-etched seatbelts (Revell)
- 1:24 Spitfire Mk.IXc pre-painted dashboard (for Airfix)
- 1:48 F16C Fighting Falcon Block 45 Löök IP (for Kinetic)
- 1:48 A6M2-N Rufe cockpit (for Eduard)
- 1:48 A6M2-N Rufe engine (for Eduard)
- 1:48 F-35A ejection seat (for Tamiya)
- 1:48 F-35A exhaust nozzle (for Tamiya)

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





IT'S SHOWTIME SHIZUOKA AGA

TAMIYA

www.tamiya.com www.hobbyco.net

It was wonderful to step onto Tamiya's vast stand again, after a break of five years. On Tamiya's displays were the new 1:48 'British 2-Ton 4x2 Ambulance', the soon-to-be-re-issued 1:24 Lancia Stratos Turbo, an all-new 1:72 F-35A Lightning II (previewed this issue and not the Italeri kit) plus the re-launched 1:35 US Armoured Personnel Carrier M3A2 Halftrack, US Multiple Gun Motor Carriage M16 and US 81mm Mortar Carrier M21 which will be very popular, we suspect. Also on show was the new 1:24 GMA T.50 (also previewed this issue), revised JGSDF Type 16 AFV with rear-mounted winch (plus a lot more updates than at first appear), 1:35 dinosaurs (a fun re-launch), 1:12 Honda CBR1000RR-R Fireblade 30th Anniversary and re-issued 1:35 US Assault Tank M4A3E2 "Jumbo", German Tank Destroyer Marder II and German Infantry Combat Vehicle Marder IA2 with MILAN and MIAI Abrams "Ukraine". •



E IN IN!

TMMI's Editor Marcus Nicholls flies to Japan to attend the re-launched Shizuoka Hobby Show, back at full strength after a break of a few years

It was a privilege to attend this year's show, after the Covid-induced hiatus between 2020 and 2022, but I was very glad I did attend because the buzz was back. It was also an honour to see Mr S Tamiya and Mr N Tamiya at the event too. Here are some of the kit releases on show, my apologies for those I missed out due to lack of space here! ●



NEWS EXTRA: MODEL SHOW REPORT

SHIZUOKA HOBBY SHOW 2023





1/35 陸上自衛隊 16式機動戦闘車C5(ウインチ装置付) 最新調達仕様
ITEM 35383

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NEW 35383 1/35 陸上自衛隊 16式機動戦闘車 C5
TYPE 16 MCV C5

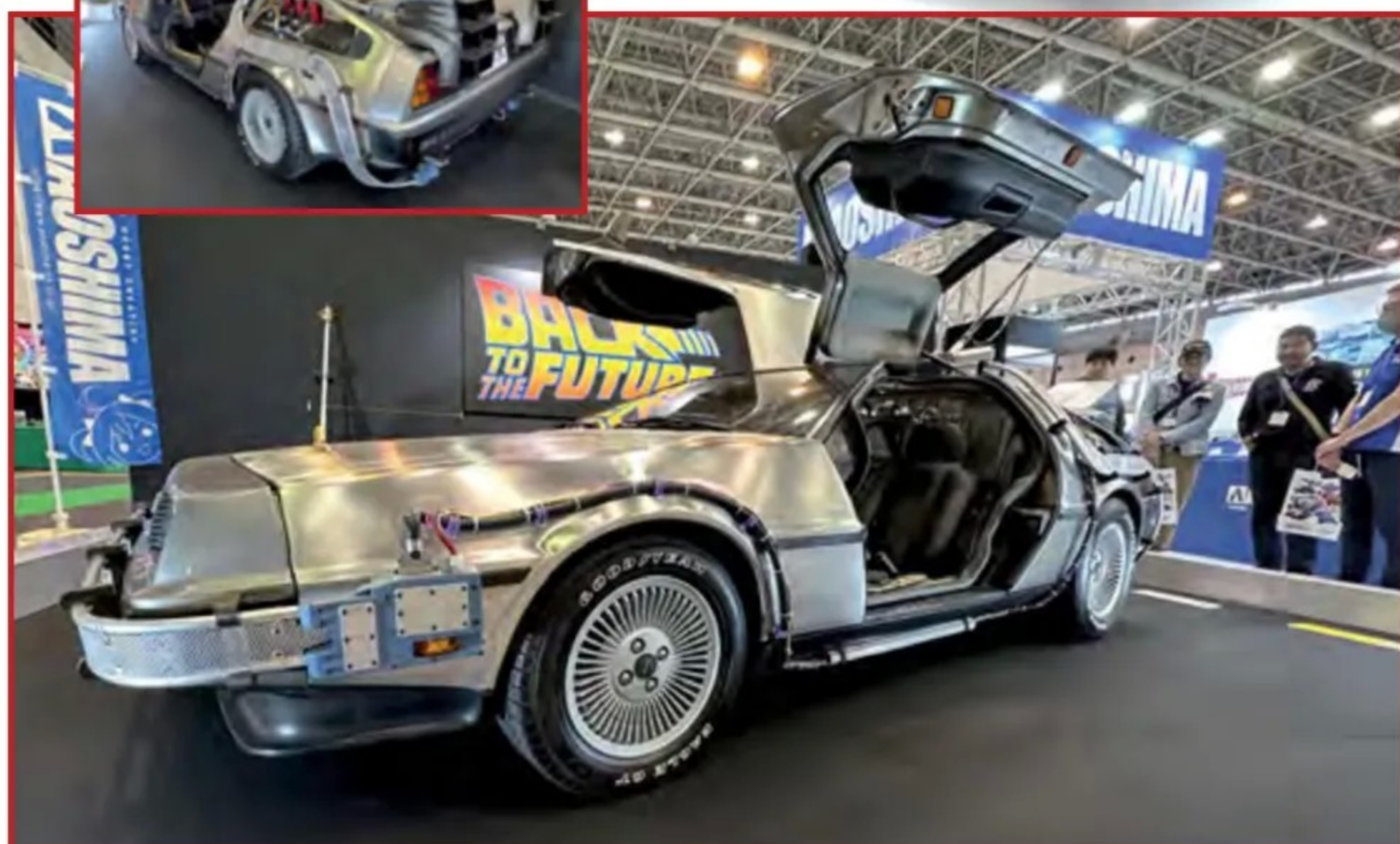
車体表面の滑り止めモールドなども最新の仕様で再現



AOSHIMA

www.aoshima-bk.co.jp

The big news from this fabulous Japanese manufacturer was their announcement of all all-new 1:24 Back To The Future DeLorean. A 3D print prototype of the model was on display, plus a stunning full-sized replica of the film prop! There was plenty of other cool stuff on show at Aoshima's stand too, as you can see here! •





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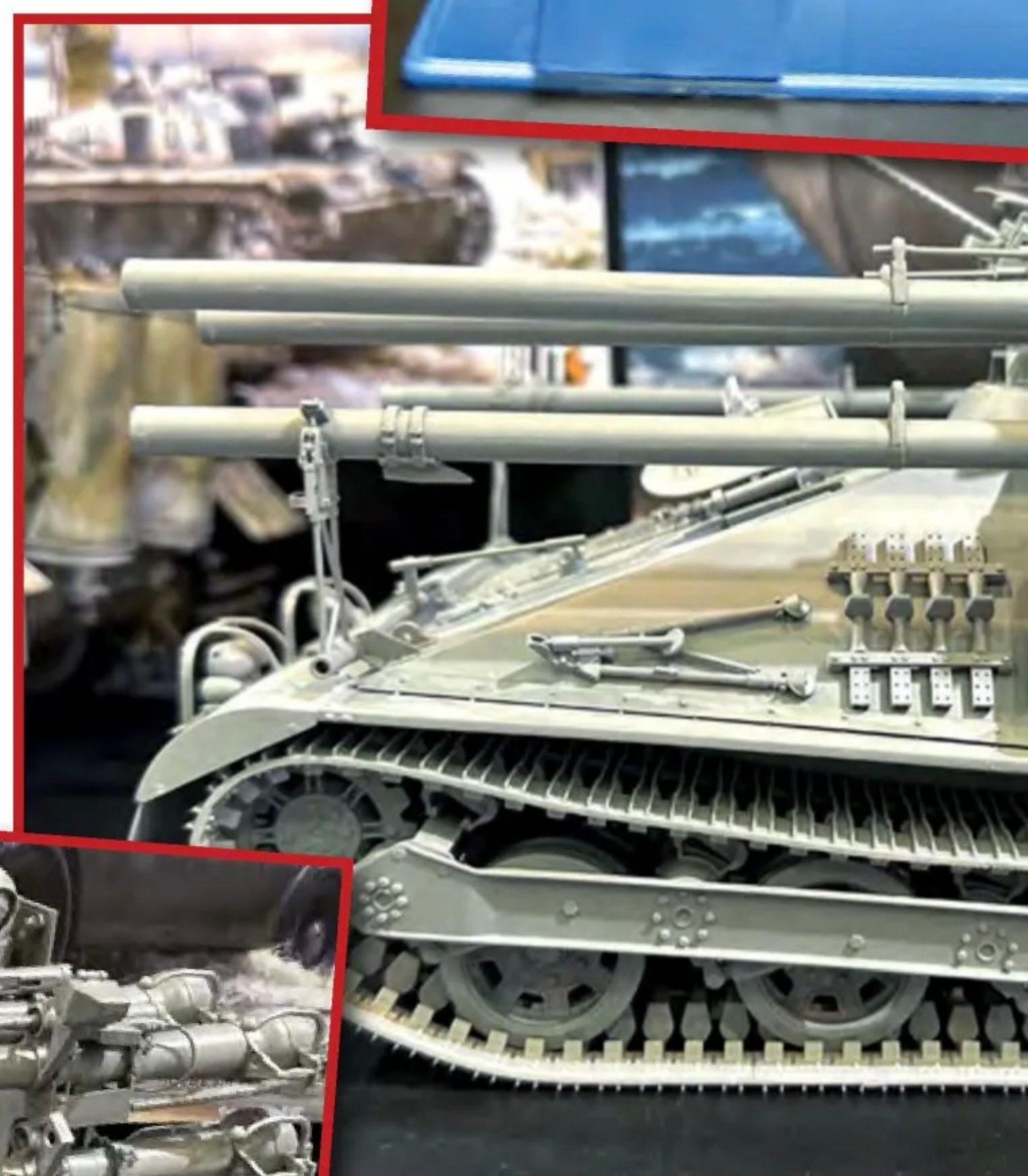
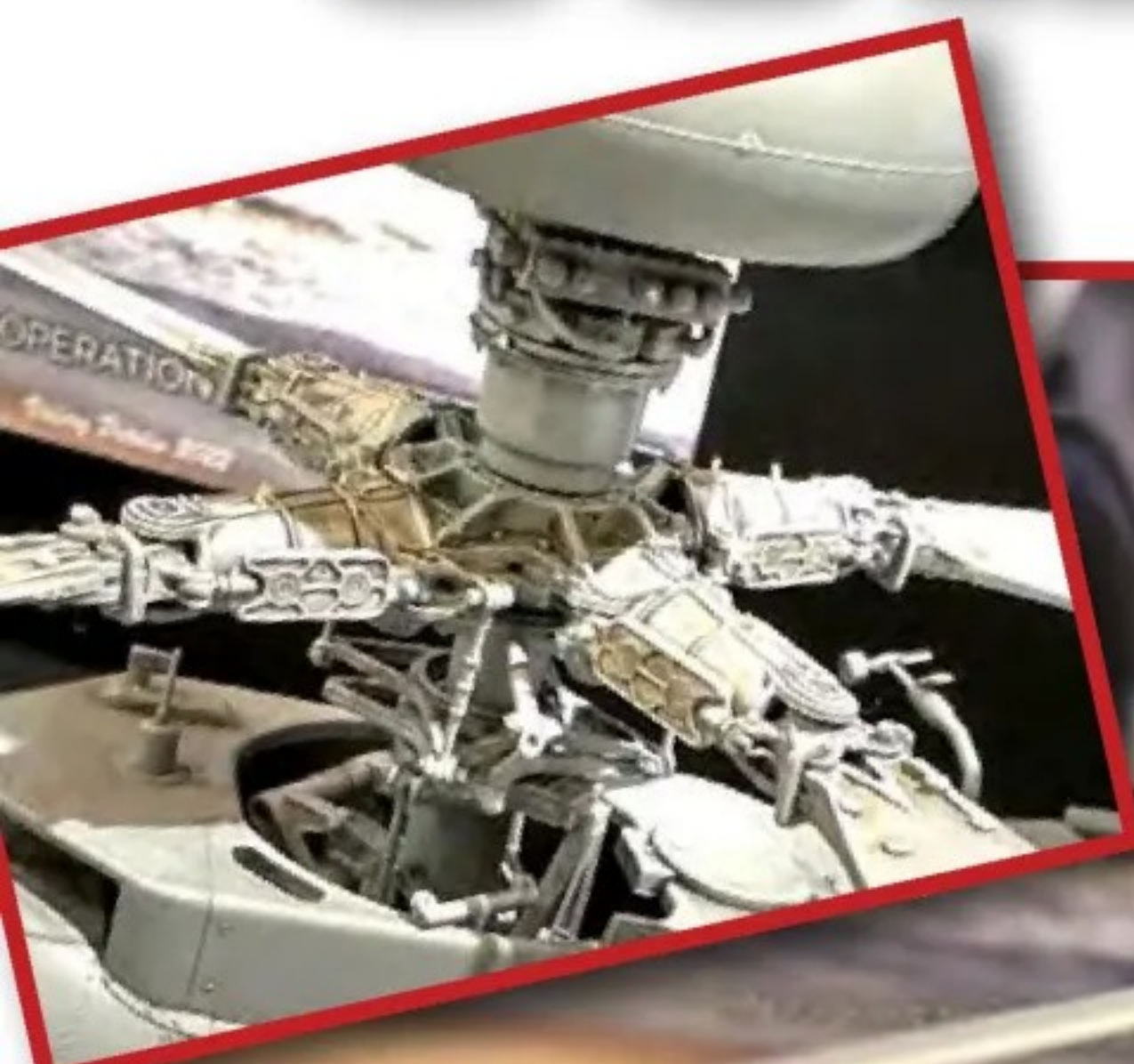
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Tel: 01942 386790 email: mike@mjrmodelsandhobbies.co.uk
Website: www.mjrmodelsandhobbies.co.uk

BEAVER CORPORATION

www.beavercorp.jp

This company may not be a familiar name outside Japan, but they distribute a vast range of important manufacturers and their stand is always a great place to get a look at new releases of all different types. Just check out some of the mouth-watering goodies on show here! •

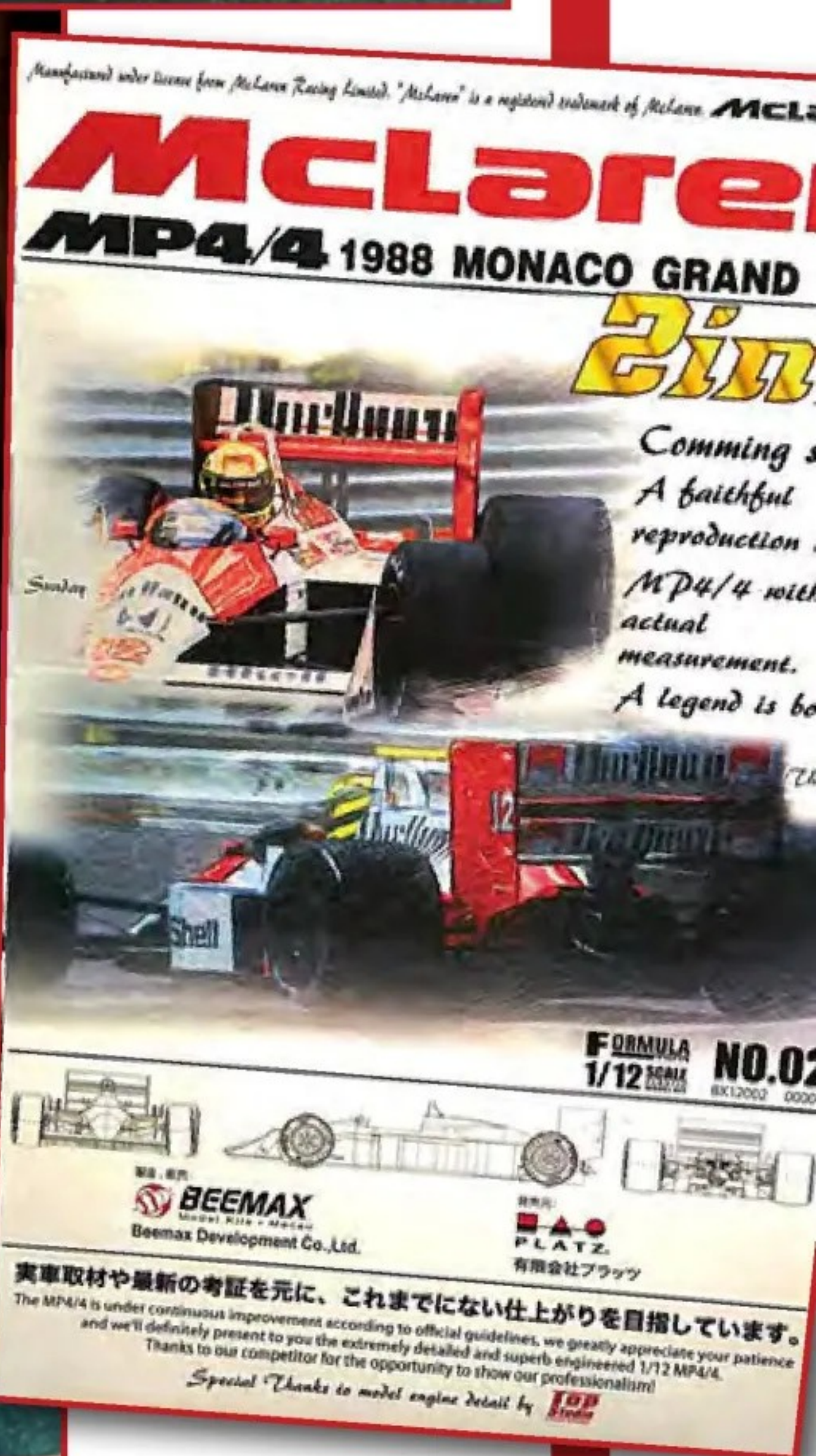




BEEMAX/NUNU

www.hobby.co.net

The great news for 2023 is that Tamiya's official UK importer and distributor, The Hobby Company, will soon be doing the same for Beemax/Nunu, who make some of the most exciting car kits currently in circulation. Check out that 1:12 Monaco /87 winning Lotus 99T! The 1988 Monaco-winning McLaren MP4/4 is on the way in 1:12 too. •



EBBRO

www.hobby.co.net

Ebbro's lovely Mr Kiya was present as always, showing some superb new car model projects, as well as a 1:12 A6M2 cockpit plus an extraordinary 1:12, 3D-printed Sakai radial engine kit, more on which in TMMI soon. •



FINE MOLDS

www.finemolds.co.jp

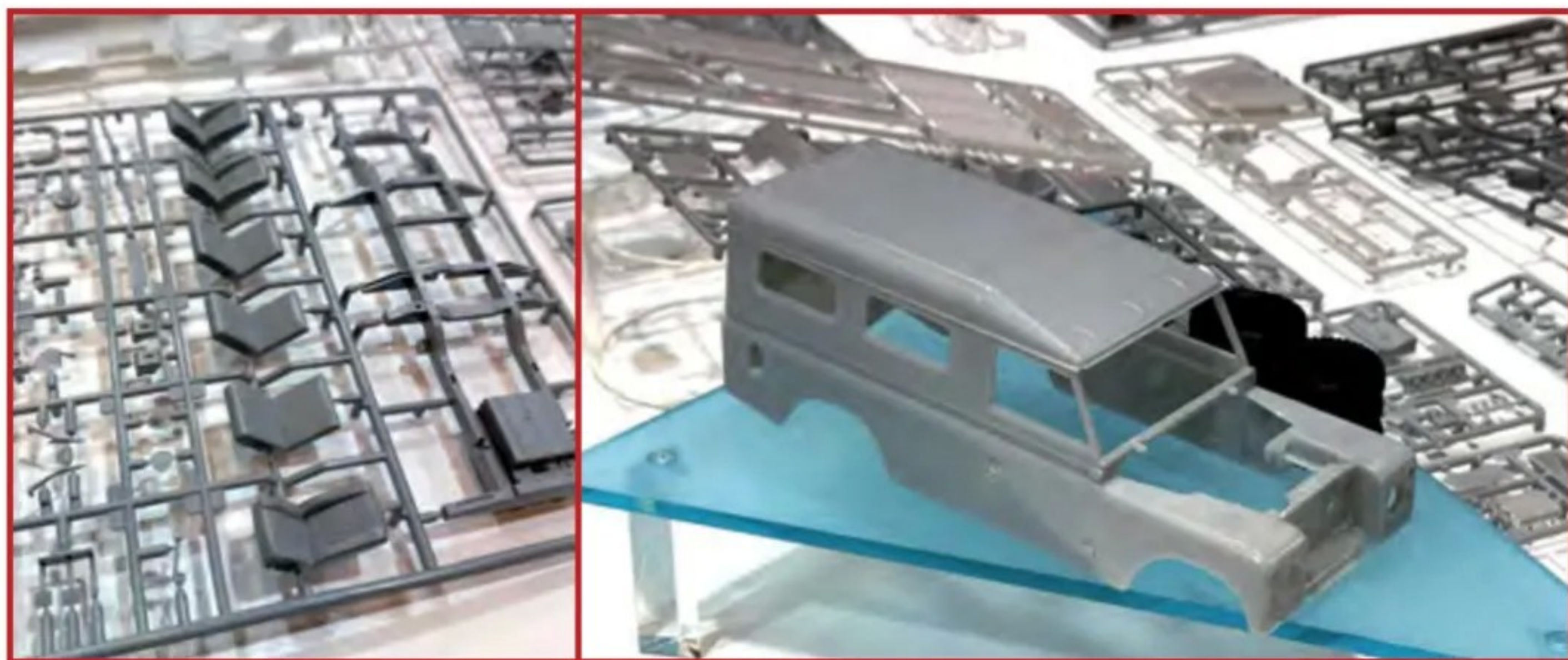
The 1:35 Type 95 Ha-Go light tank late-model is on its way back with some minor modifications, always a pleasure to build. Fine Molds also showed off their new 1:72 F-15J and some wonderful Studio Ghibli models too. •



HASEGAWA

www.hasegawa-model.co.jp

As well as their own, well known line of kits, Hasegawa are also the distributor for many model manufacturers in Japan, so their stand is a good place to see new release from Revell, ICM, HK Models and others, plus of course, Hasegawa! •



HK MODELS

www.hk-models.com www.bachmann.co.uk

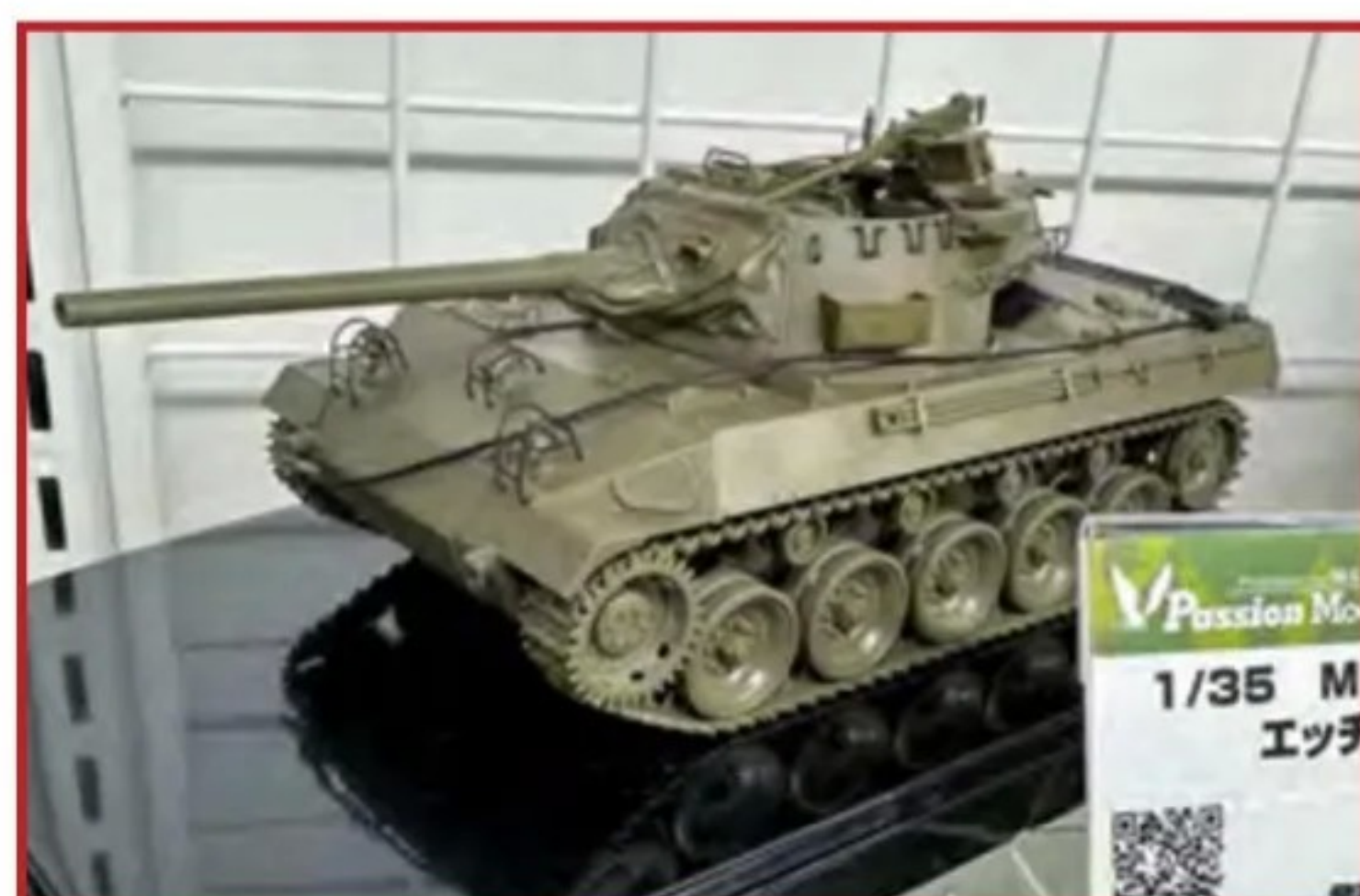
HK Models were present of course (on the Hasegawa stand) and their new, high-profile 1:32 kit of the Douglas A-20G Havoc was there in all its glory. More details on this amazing model soon in TMMI. •



MS MODELS

www.passionmodels.jp

MS Models from Japan offer a wide range of superb detail upgrades for many military models in their 'Passion Models' line, many of which are for Tamiya kit as we can see here. They also distribute many other excellent product ranges. •



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RUBICON MODELS

www.rubiconmodels.co.uk

New and recent releases in 1:56 include the M151A1, M54A2, S-150/Zil-164, M577, M113A1, Sd.Kfz.234 and RSO 01/03.



WOODY JOE

www.woodyjoe.com

Woody Joe is a Shizuoka City-based manufacturer who make stunning wooden kits of Japanese temples, pagodas, ships and more. They look magnificent when built up and would make engaging, long-term projects! •



X-PLUS MODEL KIT

www.tigerhobbies.co.uk

This range of figure kits has had some exposure in TMMI before, and it was good to see them at the SHS. Their 1:8 kit of 'Maschinenmensch' from the 1927 Fritz Lang film 'Metropolis' was the stand-out as always, and they have a stunning Marilyn Monroe figure on the way too! •



ZOUKEI MURA

www.zoukeimura.co.jp

Zoukei Mura showed off their fantastic 1:32 Fw190A-4 and Bf109G-14 kits, and displayed a 3D print prototype of their forthcoming Kawanishi Ki-100, also in 1:32 •



LEVEL 4

03811 Beechcraft Model 18, 1:48

LEVEL 5

03814 Do 217J-1/2, 1:48

LEVEL 4

03817 Airbus A300-600ST "Beluga", 1:144

LEVEL 4

05670 Gift Set - US Air Force 75th Anniversary, 1:72

LEVEL 3

07056 Land Rover Series III LWB (Commercial), 1:24

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hobbycraft.co.uk/brand/revell

KIT PREVIEW

TAMIYA 1:24 GORDON MURRAY AUTOMOTIVE T.50 ● KIT NO.24364



Tamiya's all-new 1:24 GMA T.50 is here...

MINT MURRAY

It has to be said that Gordon Murray is a true design genius, creating numerous innovative F1 machines when a designer for Brabham and McLaren in the 1970s and '80s. His name has become synonymous with high-end automotive design and even though it's over thirty years old, his 1992 McLaren F1

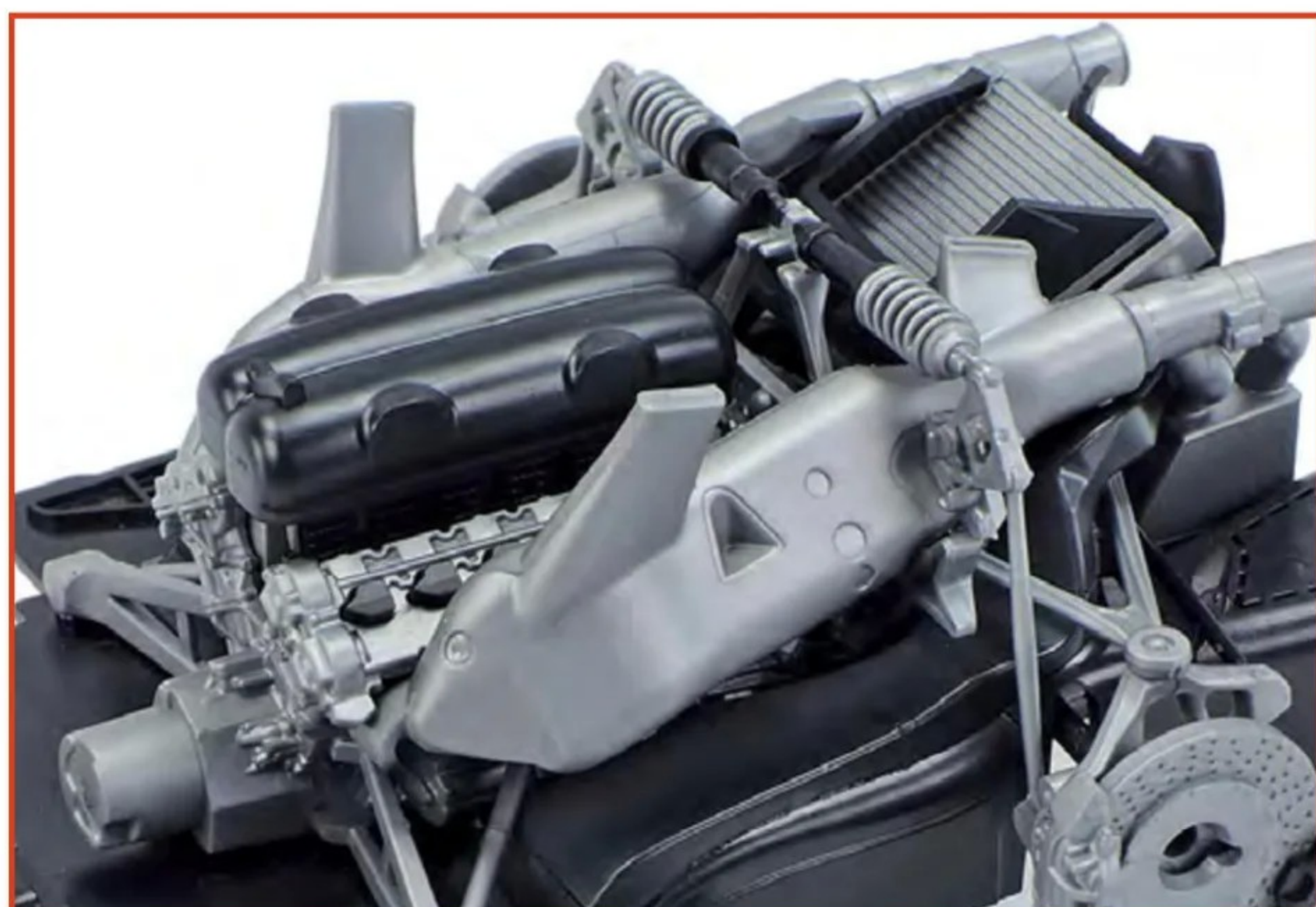
still sets many standards in car design, as well as fetching prices as high as £22.5 million at auction.

In 2017, Murray launched Gordon Murray Automotive (GMA) with its first car being the T.50, named for 50th anniversary of his career and the 50th car he has designed. With a 3.9-litre V-12 engine

mounted mid-ships in a lightweight and compact chassis weighing in at less than a tonne, it makes a potent performer. The large fan installed at the rear of the body functions as an aerodynamic device that controls six different aero modes, in combination with the internal duct and movable rear wing. It also

features a three-seat layout with the driver's position in the centre with the passenger seats behind it.

After the McLaren Senna released in 2021, Tamiya had to choose an equally significant follow-up, and what better than the T.50? The new model takes some design cues from the Senna, the parts planned





to minimise masking and potential glue-marks, all very much appreciated features for the potential builder.

A concisely detailed engine is included and thanks to the design of the real car's 'bonnet' panels, at least parts of it can be displayed on the finished model; the orange rocker-covers help a great deal here, visually.

A very thorough read-through of the instructions before starting

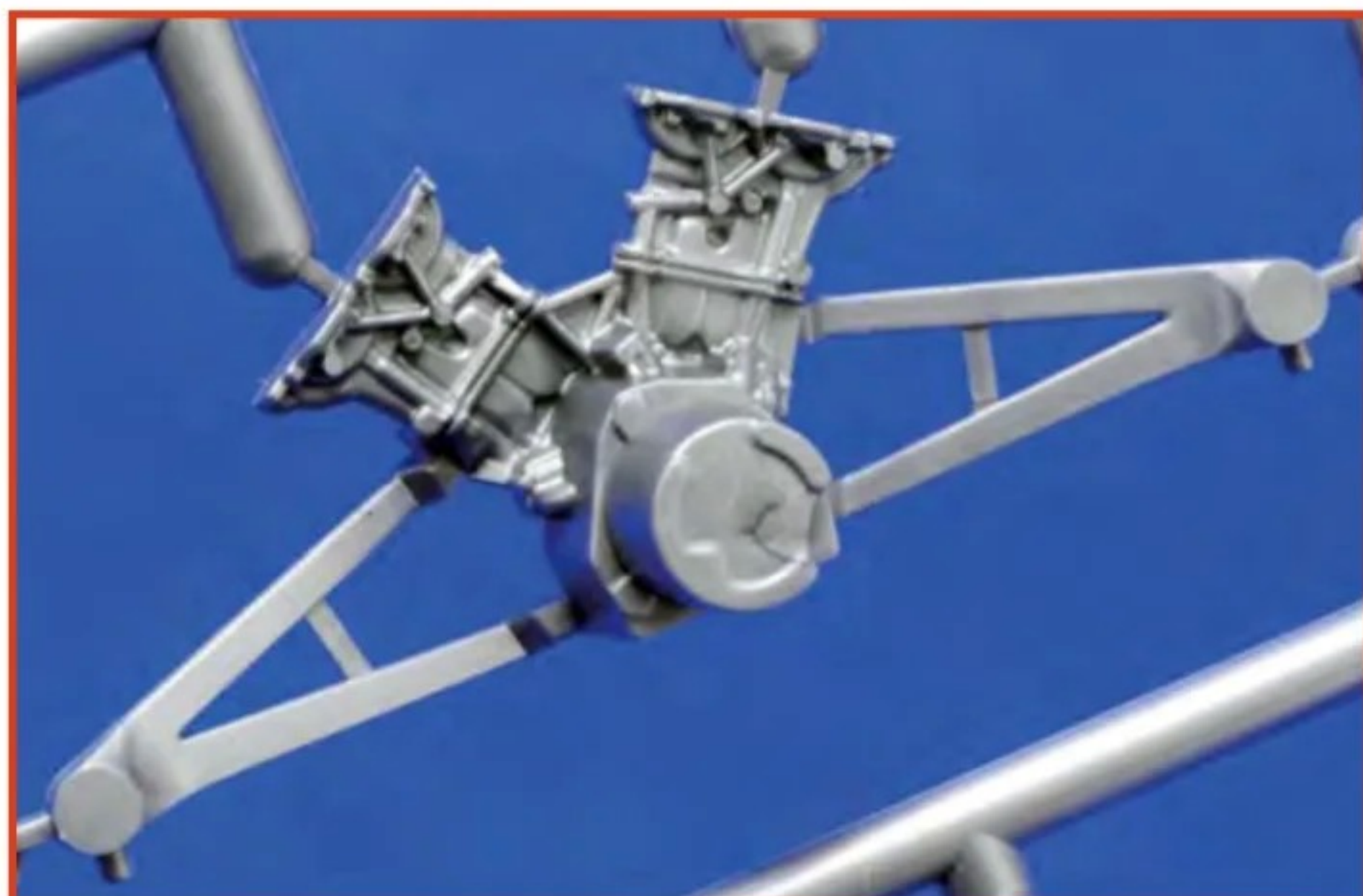
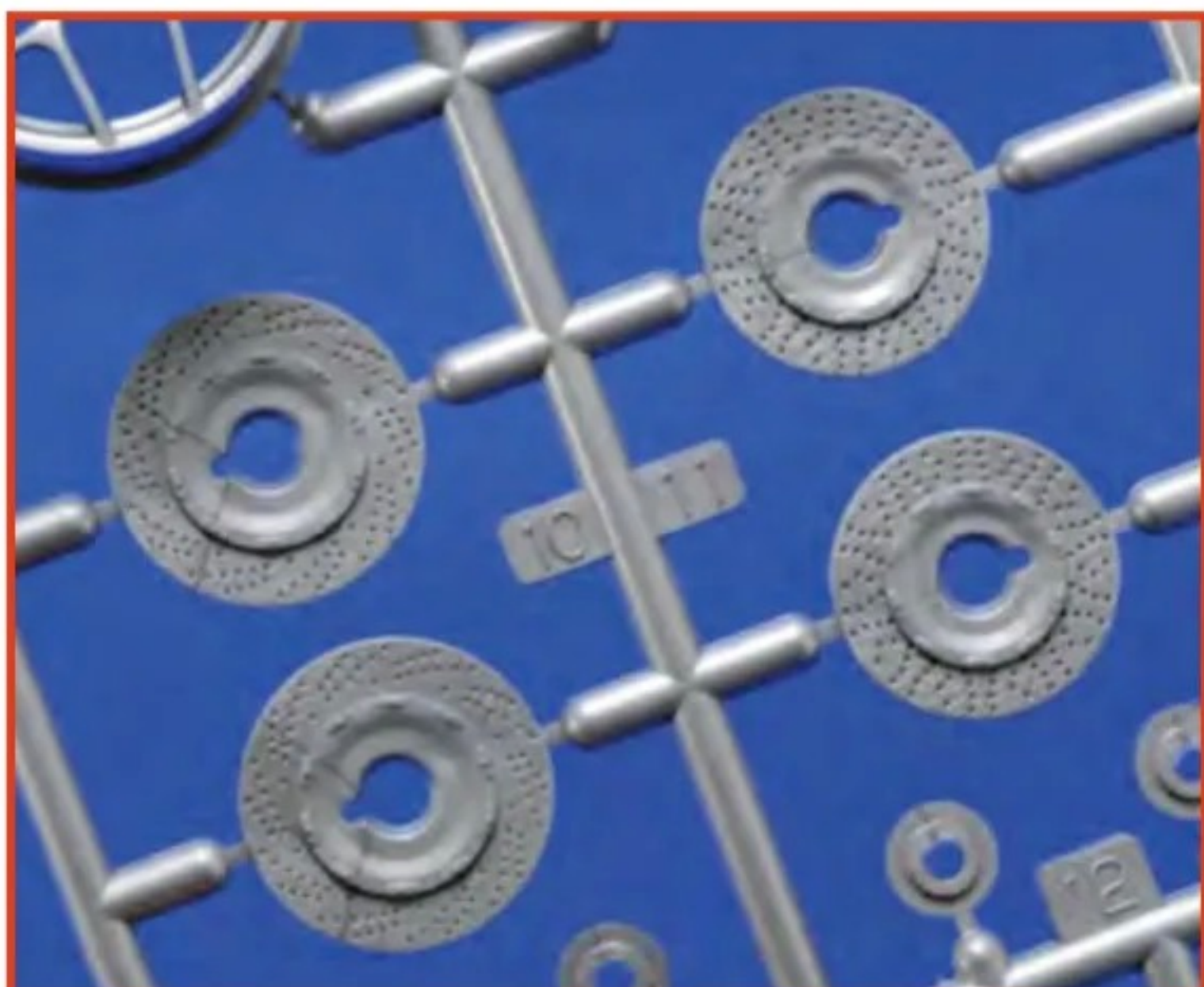
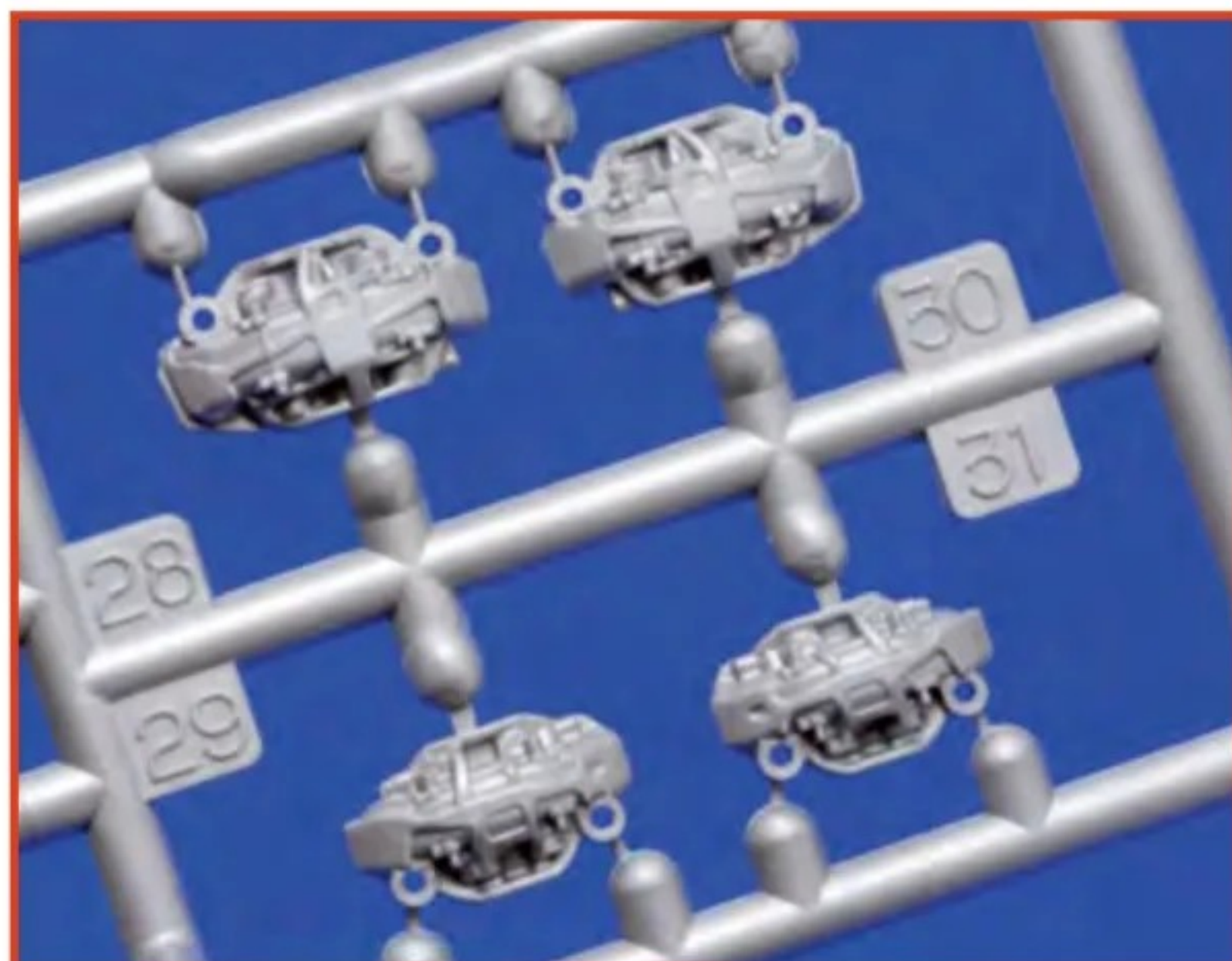
the build will pay dividends, as you'll be able to plan when and how the parts are painted, where the cementing points are and how many elements can be combined for spraying as a whole.

We will, naturally, be

bringing you a fully detailed article on the construction of this staggering new kit, but for now, here are a few images of its parts and the finished thing, built and painted at the Tamiya factory. ●

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 Also check out: www.hiroboy.com



WEATHERING MASTERCLASS

David Perez brings us an expert's approach to painting and weathering Tamiya's beautiful little 1:35 R35 Light Tank using materials from the 'AMMO' range

In this article I intend to show how, using techniques that are simple to carry out and put into practice, together with a range of suitable products, we can quickly and easily paint a model with complex camouflage and represent different effects of wear, oxidation or dust. These effects can be observed on a regular basis on military or civilian vehicles and offer an operational – but above all realistic – visual aspect. The model chosen for this project is the Tamiya's R35 Light infantry battle tank, serving with the French army. This tank intervened in the first period of the Second World War and equipped the mechanised and armoured divisions of the French army in great numbers.

One of the peculiarities of the French vehicles of this period of time was undoubtedly the camouflage, inherited from the First World War. As a general rule, it consisted of five different shades such as dark green, light green, sand yellow, dark brown and greyish green. All of them were applied in spots of different sizes, which were both outlined and delimited by a line of black paint that was painted capriciously around the perimeter of each of the spots of these colours. Let's see how to get the camouflage colours on and get this little tank weathered up! ●





TECHSPEC...

**TAMIYA 1:35 FRENCH LIGHT TANK R35
KIT NO.35373**

Materials:

Injection-moulded polystyrene, waterslide
decals

Availability:

Tamiya models, paints, materials and
accessories 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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FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 FRENCH LIGHT TANK R35 ● KIT NO.35373



In this photograph we can see the assembled Tamiya R35 model. The cast metal effect on both the turret and across large areas of the hull stands out. We also observe the Extra Thin Cement (A.MIG-2025) cement, together with the Standard sandpaper (A.MIG-8563), used in assembling the model, as well as the Thin Surfacer Putty (A.MIG-2047) putty and the precision brush for pigments N8 (A.MIG-8705), both products used to amplify the cast steel texture



I started the painting process by priming the model with Brown Oxide Primer (A.MIG-2026), from the 'One Shot' range of primers, applied with an Air Cobra (A.MIG-8625) airbrush



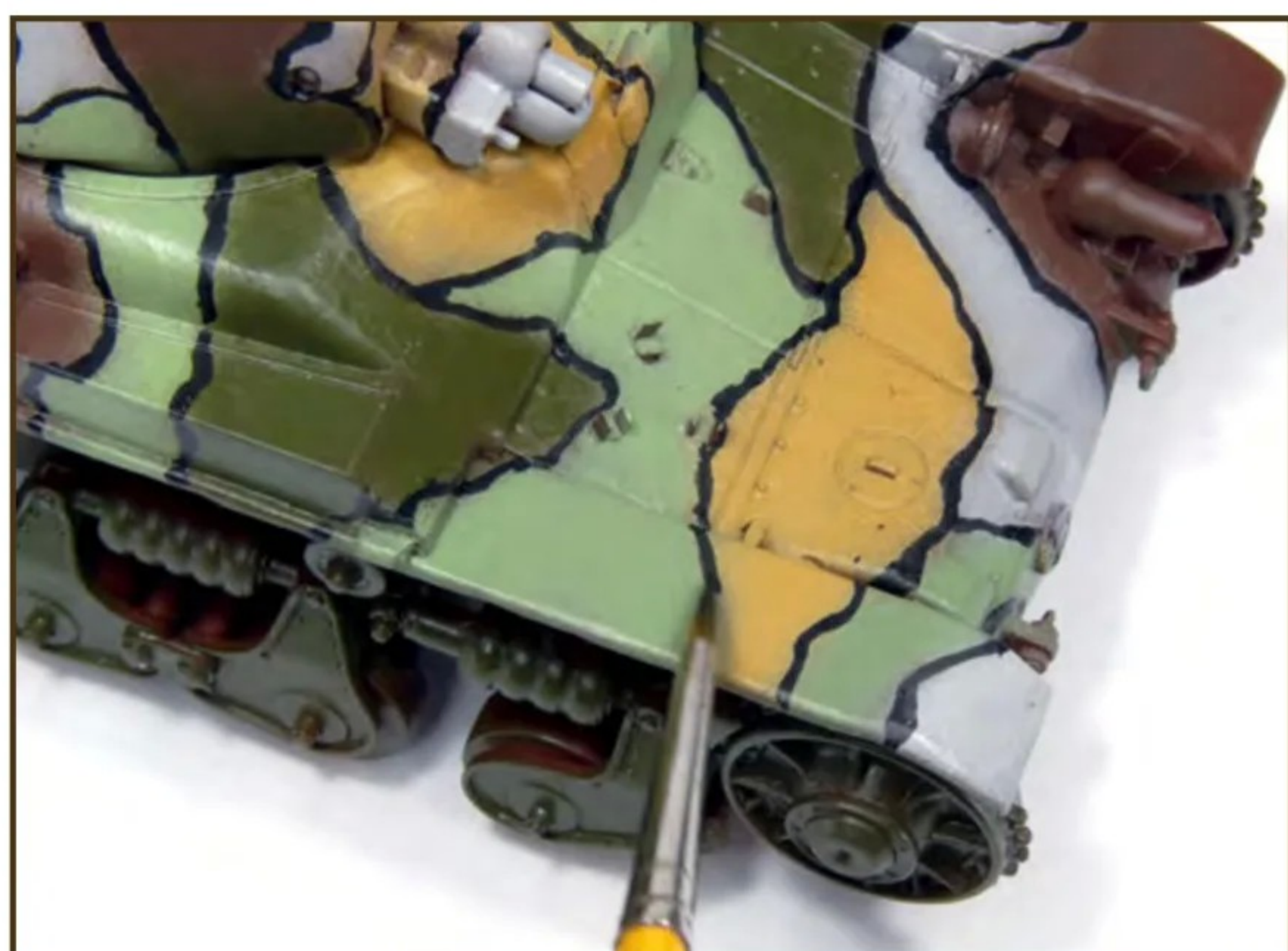
To begin the process of painting the camouflage so characteristic, as well as striking, of the R35, I selected the following acrylics and products: Heavy Chipping Effects (A.MIG-2011), acrylics Brown Soil (A.MIG-0076), RLM 80 Olivgrün (A.MIG-0248), RLM 79 Sandgelb (A.MIG-0222), RAL 6011 Resedagrün (A.MIG-0003), Matt Black (A.MIG-0046), Acrylic Thinner (A.MIG-2000), Air Cobra (A.MIG-8625) airbrush and round synthetic brush N3/0 (A.MIG-8611)



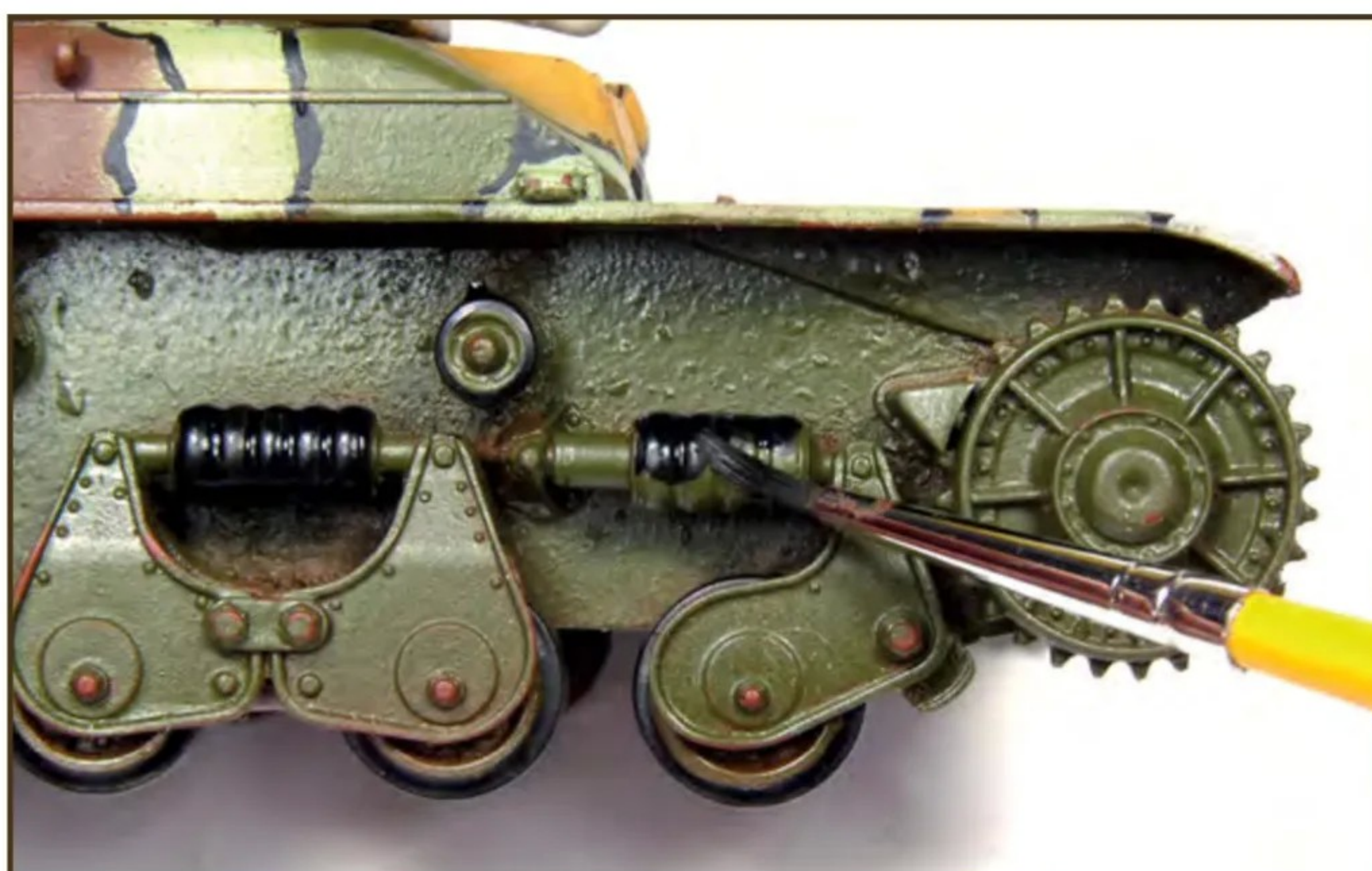
I continued painting the camouflage, this time the spots of the second colour using RLM 80 Olivgrün. Remember that in all airbrushing work with acrylics we must dilute these with a few drops of Acrylic Thinner



The painting process continued with the RAL 6011 Resedagrün



Using the N3/0 synthetic brush, I painted freehand the black line that outlines all the contours of each of the camouflage colours, and with this, I had finished the main paintwork of the Renault R35



I painted the 'rubber' bellows that protect the suspension of the roadwheels using Matt Black (A.MIG-0046). The rubber tyres of the wheels were also finished with this colour



The following process was the application of the decals. For this I used the following products: Klear Kote satin varnish (A.MIG-2501) from the A-Stand range, Air Cobra airbrush, Ultra Decal Fix and N3 (A.MIG-8708) decal brush



Using Colca tweezers, one of the French cockades is placed gently on the turret's top surface



After setting solutions had been applied and the decal left to dry, I finished the process by varnishing them with matt (A.MIG-2502) to create the appearance of having been painted and on

The profiling technique by means of selective colour-washes will help to highlight the detail and separation lines on the surface of the model. For this purpose, I used Dark Brown for Green Vehicles (A.MIG-1005)



I loaded a small amount of 'wash on the brush, slightly diluted with Enamel Odourless Thinner. Barely touching the recessed lines of the model with the brush we can observe how the liquid runs between them, outlining and highlighting them quickly and cleanly; the same happens with raised, screws, bolts etc

FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 FRENCH LIGHT TANK R35 ● KIT NO.35373



To create highlights or intensify the camouflage tones, I used the following oil colours from the Oilbrusher range: AMMO Yellow (A.MIG-3502), for the RLM79 Sandgelb: Medium Gray (A.MIG-3509), for the Grey Light Base: Wick Light Green (A.MIG-3529), for the RAL 6011 Resedagrün: Olive Green (A.MIG-3505), for the RLM 80 Olivgrün: Summer Soil (A.MIG-3534) and for the Brown Soil and White (A.MIG-3501)

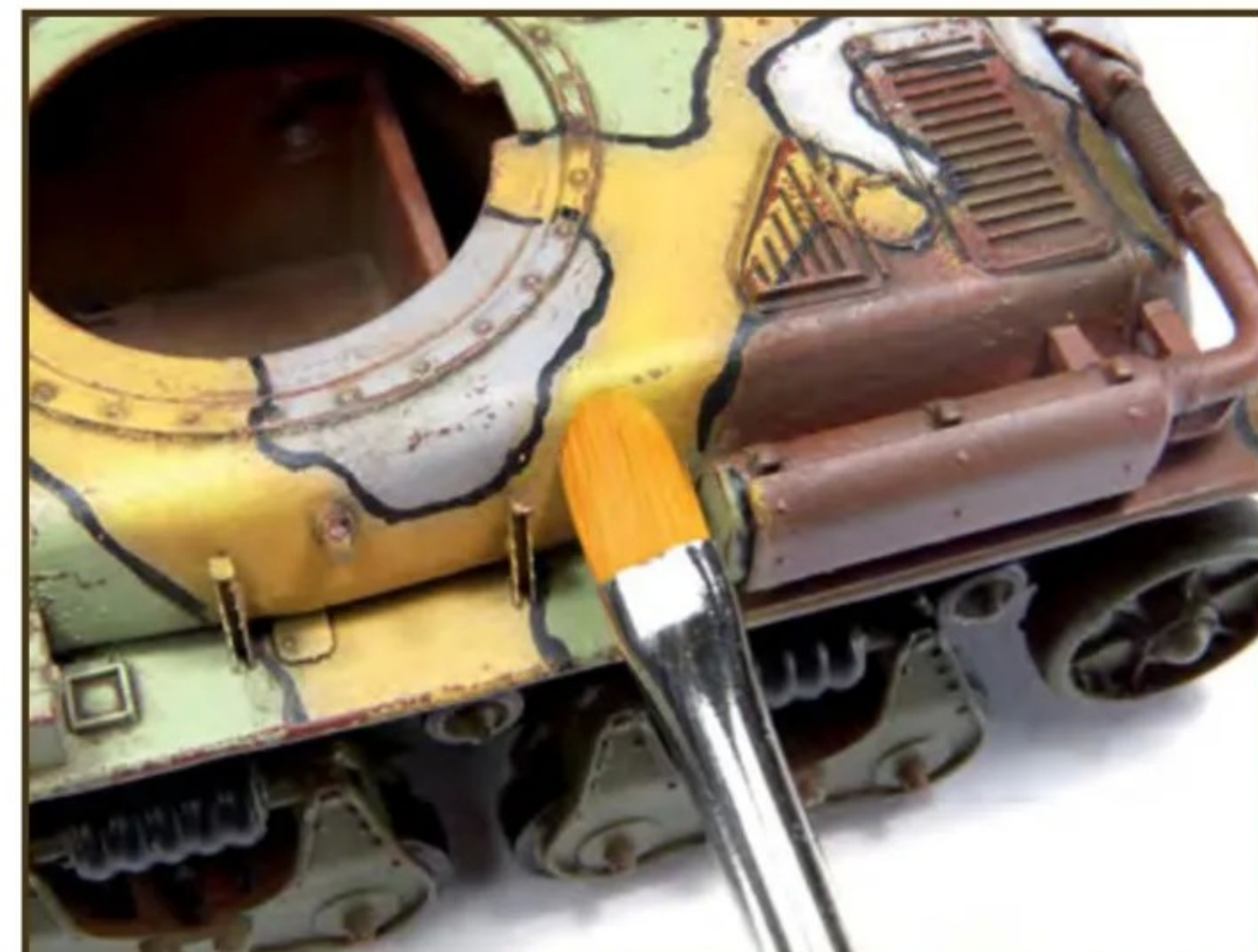
To represent the characteristic rust on the exhaust pipe, I mixed Oilbrusher Rust (A.MIG-3510) and Track Rust (A.MIG-3008) pigment, which was then lightened with Oilbrusher Ochre (A.MIG-3515)



Accumulations of dry mud and dry earth both on the underside and undercarriage of the vehicle, as well as on its horizontal surfaces, was represented with enamel products Mud Dry light Soil (A.MIG-1700) and Splashes Dry Steppe (A.MIG-1751)



To brighten with oil paints, one must apply them on the areas where sunlight would fall, such as the rounded edges of the upper side surfaces of the chassis. In the case of highlighting the RLM 79 Sandgelb, I applied Oilbrusher AMMO Yellow lightened slightly with Oilbrusher White on the rounded edge, using a N1 round brush



Then, with a Synthetic Filbert N4 (A.MIG-8595) brush, I dry-blended the oil paint. It is important not to go too far when blending the oil so as not to remove it completely



I applied the mixture with a brush all over the exhaust pipe assembly, including its side protection screen



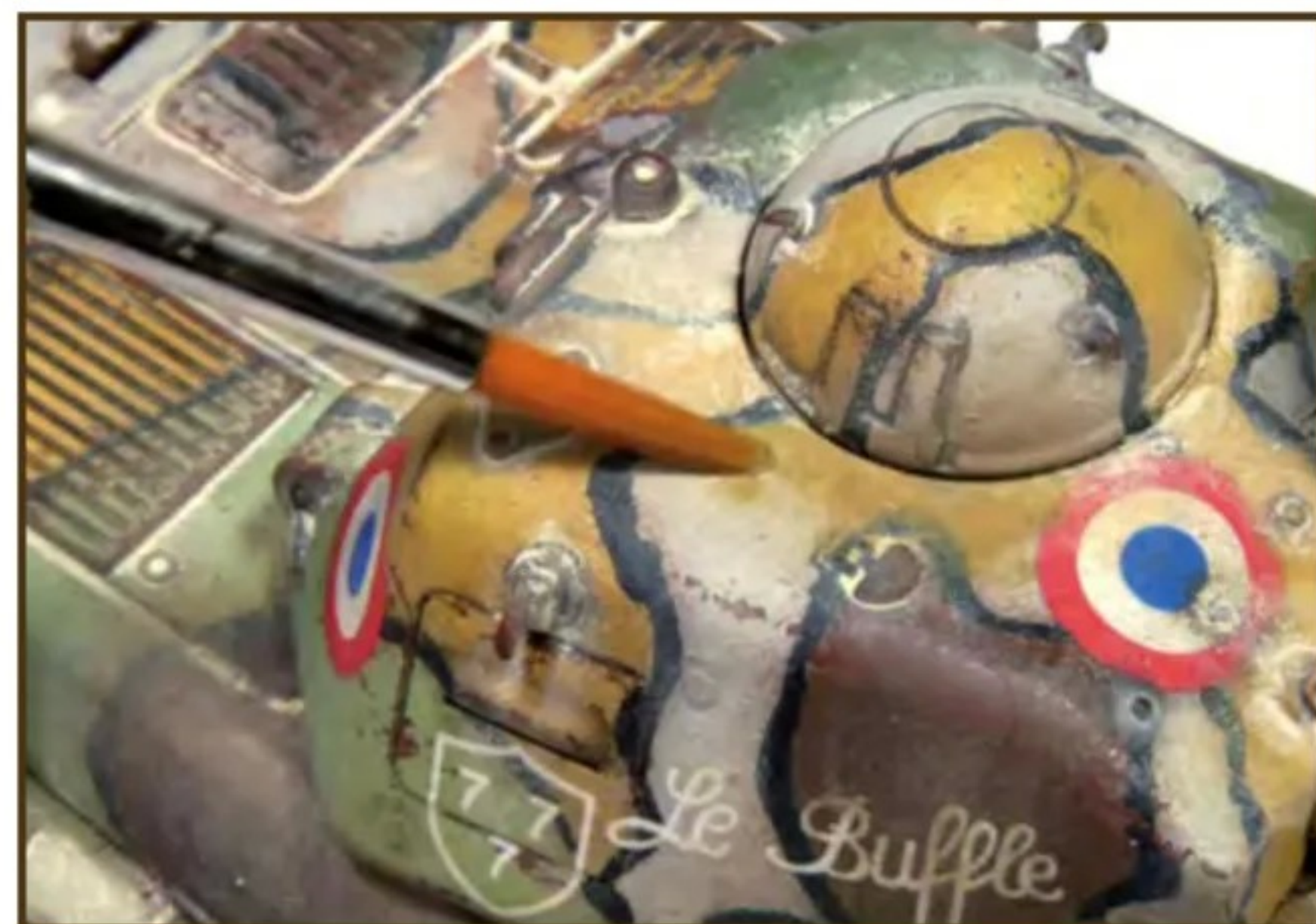
I formed the first effect of accumulated dry earth with Mud Dry light Soil, applying it generously with a brush to the bottom and sides of the vehicle's undercarriage



Once the Dry light Soil product had completely dried, I will create contrast and texture by applying Dry Steppe on this location using the 'splash' technique, doing this on the same areas of the sides and undercarriage as in the previous



As I did in previously, I blended or removed part of the splashes, but this time only on the suspension



On horizontal surfaces, such as those of the vehicle's turret, I applied a colour-wash of Dry Steppe, diluted fifty percent with Enamel Odourless Thinner, in order to represent different accumulations of dry dust



The contrast of dark or wet mud were made with the product Splashes Loose Ground (A.MIG-1752)



I also represented contrasts with Loose Ground through the 'splash' technique, on areas such as the front mudguards



I deposited small amounts of Dark Earth pigment around the area where I want to represent the bulk of the oil stain



I created the oil stains that are usually mixed with dust or dirt with the products Fresh Engine Fuel and Oil (A.MIG-1408), Dark Earth pigment (A.MIG-3707) plus Enamel Odourless Thinner



FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

TAMIYA 1:35 FRENCH LIGHT TANK R35 ● KIT NO.35373

At this point in the project, I started working on the tracks to integrate them with the rest of the model, using the following products: Dark Tracks (A.MIG-0035) acrylic, Dry Steppe, Loose Ground and Gun Metal (A.MIG-3009) pigment

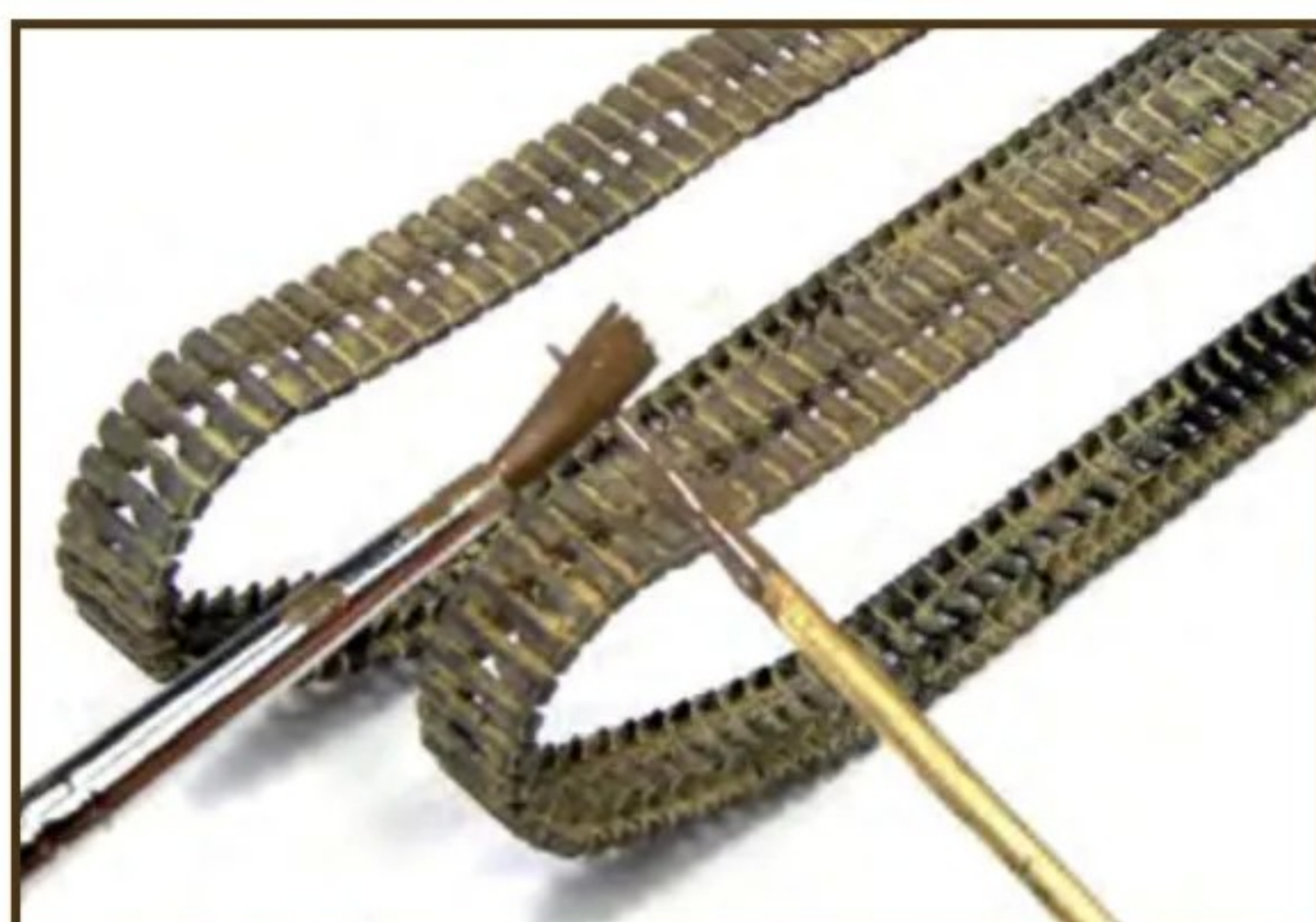
Once the tracks had been fitted and integrated into the model, we can see the total appearance of weathering on the model. This time I want to finish off the job by adding a last touch of realism: a few dry fallen leaves on the vehicle. For this purpose I use the European Mixture Dry Leaves (A.MIG-8410) set, together with Ultra Glue (A.MIG-2031) and a brass toothpick



On the tracks that were previously primed with One Shot Black, I airbrushed Dark Tracks acrylic, to give them a used metal look



Once the acrylic was dry I applied a generous colour-wash with Dry Steppe for all the links of both tracks



Later I applied splashes on all sections of the tracks, using Loose Ground



When the effects of dirt accumulated on the links and fresh mud splashed on the tracks have dried completely, I represented the polished metal on each of the links' contact areas using a rubber brush impregnated with a small amount of Gun Metal Pigment



With the toothpick I deposited a small amount of Ultra Glue on the surface where I wanted to fix the fallen leaf. With the help of tweezers I placed the leaf on the small amount of Ultra Glue so that it stuck to the surface



LIMITED



- Pt. I -

1:72

Bf 109F-2 & Bf 109F-4

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Bf 109F-1, WNr. 5628, Obst. Werner Mölders,
CO of JG 51, Krefeld, Germany, June 1941



Bf 109F-2, WNr. 8085, Lt. Jürgen Harder,
Stab III./JG 53, Sobolewo, Germany, June 1941



Bf 109F-2, WNr. 8235, Hptm. Werner Pichon Kalau vom Hofe, Stab JG 54,
Trakehnen, Germany (today's Yasnaya Polyana, Russia), June 1941



Bf 109F-2, WNr. 6801, Lt. Detlev Rohwer, Stab I./JG 3,
Byelaya Tserkeev, Soviet Union, August 1941



Bf 109F-2/B, Uffz. Richard Übelbacher, 6.(Jabo)/JG 2, A
bbeville-Drucat, France, Summer 1941



Bf 109F-2, WNr. 9553, Oblt. Siegfried Schnell,
CO of 9./JG 2, Théville, France, November 1941



Bf 109F-2, 9./JG 54, Siverskaya, Soviet Union, December 1941



Bf 109F-4, WNr. 7205, Oblt. Josef Priller, CO of 1./JG 26,
St. Omer-Arques, France, October 1941



Bf 109F-4/Z, WNr. 7420, Lt. Hermann A. Graf, CO of 9./JG 52,
Kharkov-Rogan, Soviet Union, May 1942



Bf 109F-4/Trop, Maj. Erich Gerlitz, CO of III./JG 53,
Martuba, Libya, May 1942



Bf 109F-4, Lt. Walter Nowotny, 3./JG 54, Krasnogvardyeysk,
Soviet Union, July 1942



Bf 109F-4, WNr. 13376, Hptm. Heinz Bär,
CO of Stab I./JG 77, Comiso, Sicily, July 1942



Bf 109F-4, Uffz. Hans Döbrich, 6./JG 5, Petsamo,
Finland, September 1942



Bf 109F-4/Trop, WNr. 8673, Hptm. Hans-Joachim Marseille,
CO of 3./JG 27, Quotaifiya, Egypt, September 1942

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LIGHTNING IN 1



THE ETO

Jeremy Moore takes another look at Tamiya's sublime 1:48 P-38 Lightning, arguably the best scale aircraft model yet created...

FULL-BUILD: WORLD WAR TWO ALLIED AIRCRAFT

TAMIYA 1:48 LOCKHEED P-38J LIGHTNING ● KIT NO.61123

Released in the summer of 2022, Tamiya's P-38J joined the excellent P-38F/G and special boxing P-38H series of kits first released in 2019. Much has already been written about the quality of these kits and I'm happy to report it's all true; they're simply fantastic in terms of engineering, ease of construction, and overall accuracy. Many of the parts in the P-38J kit are shared from previous releases with parts for the newer version included on separate sprues. One of the more noticeable characteristics of the P-38J (and later variants) were the redesigned engine nacelles that included intercoolers that were previously located in the wing leading edges. Tamiya has perfectly captured the complex shapes of the chin scoops with additional cooling inlets on these redesigned nacelles. So, without further delay, let's get started!

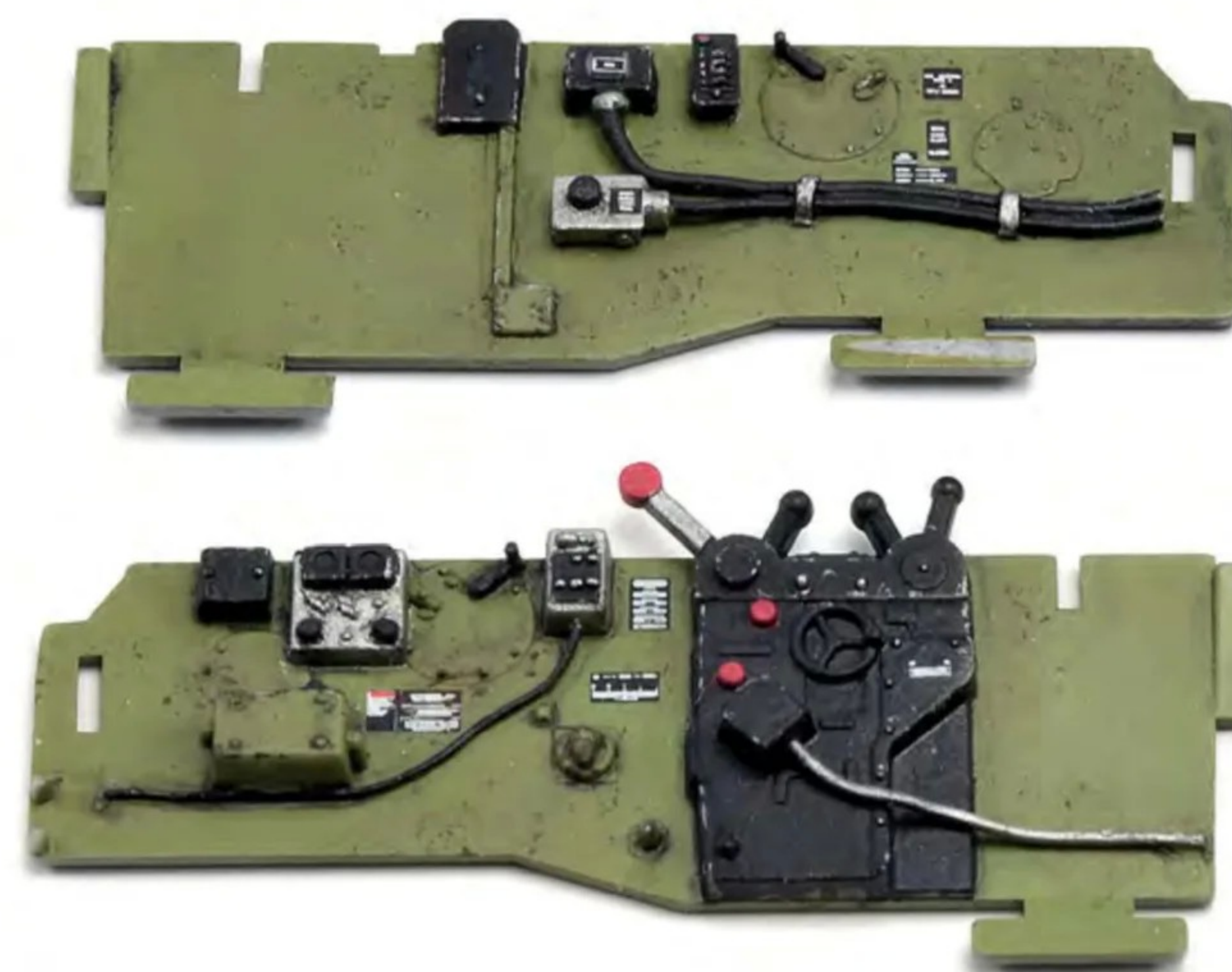
CONSTRUCTION

Prior to beginning work on the kit, I made the decision to build a European Theatre of Operations (ETO) aircraft with D-Day invasion stripes. While there were no external differences in terms of Pacific vs. European based aircraft in WWII, internally the aircraft carried different radio equipment in the cockpit. As luck would have it (and because I can never choose a "simple" build or project?!), the Tamiya kit includes the SCR-274 radio transmitter/receiver equipment used on Pacific based aircraft. Since most of this is visible through the rear canopy behind the pilot's seat, I felt it was necessary to make it as accurate as possible and needed to source a replacement SCR-522 radio receiver/transmitter found on ETO aircraft. Eduard, fortunately, produces a resin cockpit upgrade for the another series of P-38 kits which contains all of the necessary components for the SCR-522 radios. (At the time of press, Eduard also now produces an excellent 3D printed cockpit which includes both types of radio components.) With these items in hand, I could now begin construction in earnest.



Kit cockpit sidewall (top) and modified sidewall (bottom)

Cockpit components airbrushed with MRP-131 Interior Green, and cockpit painted and placard decals applied



Weathered and dirtied up cockpit



Radio gear painted and detailed with solder wire and placard decals

Work began with modification of the cockpit sidewalls using the aforementioned resin components from Eduard. I added wiring and connectors using fine solder wire, disks punched from styrene, and strips of lead foil using reference photos for as much accuracy as possible. All of the various cockpit components were then airbrushed with Mr. Paint MRP-131 US Interior Green.

The nose section was prepared next, and I deviated from the kit supplied armament with brass .50cal and 20mm barrels from Master Model. Since the barrels are mounted from the inside of the nose cone, the kit part was modified by removing the styrene barrels and carefully cementing the mount on the inside. The brass barrels could then be inserted from the outside once final painting was complete. The nose cone, nose side panels, upper wing leading edge inserts, identification light panel, and lower wings are cemented to the centre section next.

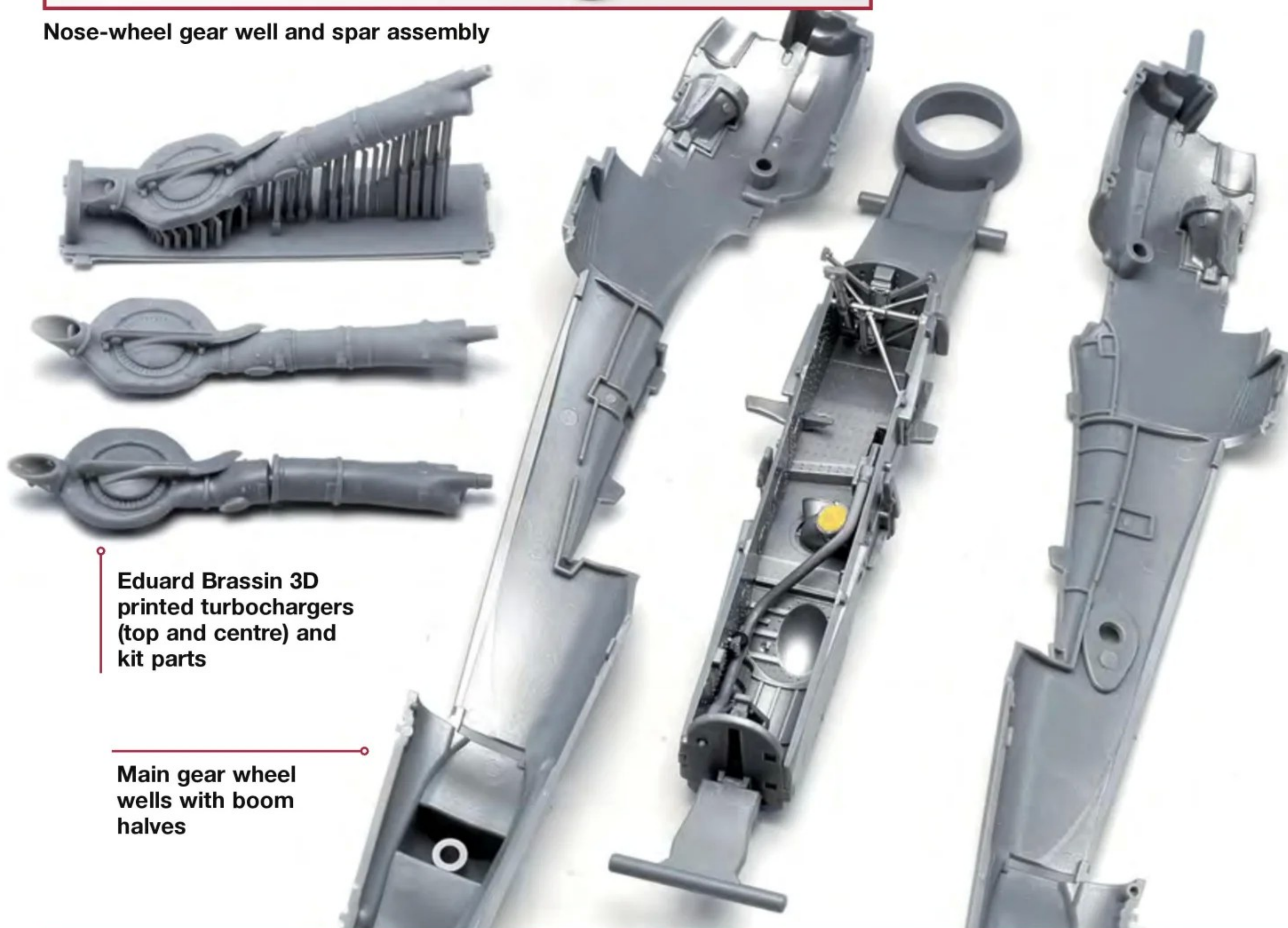
To finish up assembly of the wings, the ailerons and wingtips are added next along with the inserts for the mounts. The wingtips are of the typical slot and tab arrangement which can sometimes lead to a poor fit resulting in a step, but to no surprise they fit perfectly and integrated well with the overall wing assembly. I deviated from the kit supplied turbochargers and opted for some 3D printed examples from Eduard's excellent Brassin line. To my surprise, however, the Eduard parts did not fit well at all into the wing mounts and required quite a bit of grinding and sanding on both the bottom of the turbochargers themselves and the wing mounts to get them to fit. The result, however, I think justifies the work as the Eduard parts have superior detail and are ultimately very visible on the model. After ensuring both fitted properly, they were removed from the model to be painted separately and placed during final assembly. ▶



Nose-wheel gear well and spar assembly



Nose armament replaced with Master Model turned brass barrels



Eduard Brassin 3D printed turbochargers (top and centre) and kit parts

Main gear wheel wells with boom halves



A gap was encountered in the radiator fairings, so it was filled with rubberized black CA, sanded smooth and panel lines restored



The filled area was spot primed to check for flaws

Eduard Brassin 1000 lb bombs textured with Mr. Surfacer 500



Tread pattern on kit wheels restored with scribing tool and razor saw

❶ TAIL BOOM TIME

The next phase of assembly, which makes up nearly half of the steps outlined in the instructions, is the construction of the left and right tail booms. The boom structures are essentially mirrored and contain the main landing gear wells in addition to the oil cooler scoops and radiator fairings aft of the gear wells. The oil cooler was assembled next and inserted into the forward section of the boom (sadly never to be seen again), and the radiator fairings aft of the gear well follow. Tamiya provides decals representing the mesh on the forward and aft faces of the oil coolers and it's a perfect solution for any area only visible to the spying eye of an IPMS judge with a torch.

The next step is where I ran into the one and only issue encountered during construction – a rather large gap on the outside of both curved radiator fairing sections where they met the underside of the fairing.

After a serious amount of head scratching, dry fitting, and more head scratching, I couldn't determine the cause of the gap, but I did notice that it definitely needed to be closed in order for the air intake cover to fit properly. Rather than apply traditional thin cement and a clamp, I expedited the process by squeezing the cap closed and applying Starbond medium thick black CA glue followed immediately by some CA accelerator.

The remaining construction steps include the landing gear, gear doors, pylons and drop tanks, propellers, aft cockpit radio rack, and the mounting of the windscreen and rear canopy. The wheels included in the kit are excellent and needed just a little bit of cleanup in the form of re-scribing the tyre tread pattern once assembled. This was accomplished with a fine razor saw and panel line engraver. The underwing pylons were assembled next, and rather than hang drop

tanks from them I chose some Eduard Brassin 1,000 lb. bombs to represent the ground attack role the P-38 became adept at after the Normandy invasion.

After carefully examining some period photos, I determined the pylons required modification in the form of styrene strips on either side to represent the mounting method for bombs; the centre sections of the pylons also needed some careful grinding with a moto-tool to allow the bomb shackles to seat properly. With those complete, the bombs themselves were assembled per the Eduard instructions and given some additional texture by stippling them with Mr. Surfacers 500. With the armament squared away, the propeller components were cleaned up next and prepared for painting and assembly. The propellers are integrally moulded to the spinner plate which, at first glance, looks like it may be difficult to paint separately. Fortunately,

the design of the remaining spinner components overlaps the plate allowing all of the parts to be painted prior to assembly.

It's important to label them in some form once assembled as they are counter-rotating (not identical) and could easily be mixed up once completed. I accomplished this by scratching a R and L on the rear of the spinner plates with a scribing needle. Finally, the canopy components were masked using the masking material provided in the kit. While not pre-cut like some manufacturers, the task is pretty simple with a straight edge and a new hobby blade and the masks save huge amounts of time. I deviated from the instructions by mounting the aft cockpit radio rack, pilot seat, and rear canopy after the basic painting was accomplished. With that, construction was complete, and it was time to prepare the model for painting.



The airframe was painted with Tamiya LP-11 Silver



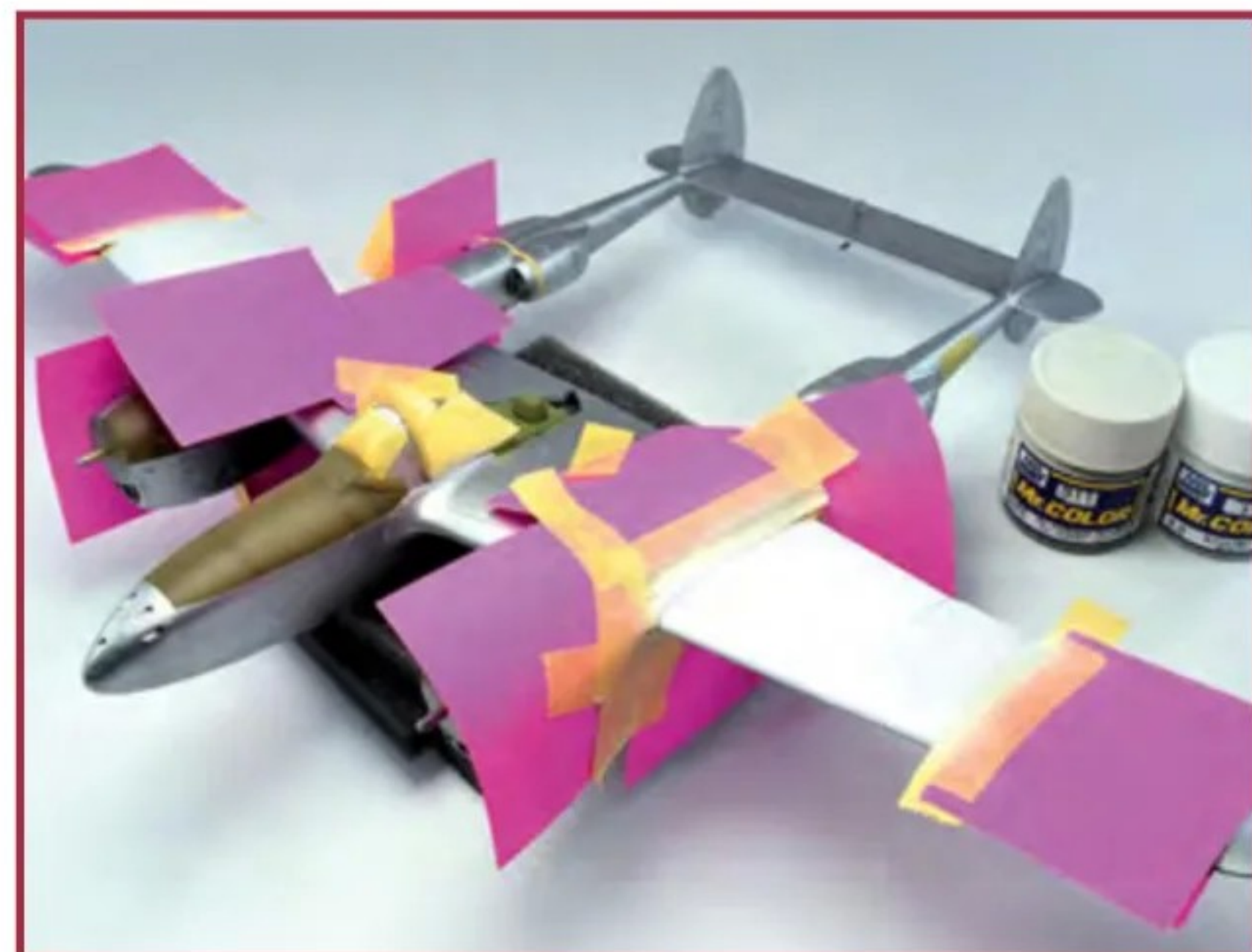
Mottling was created with using pre-cut masks to establish tonal variation and light coats of more LP-11 were misted on leaving some mottling visible



Panels were masked off and painted with a darker mix for more tonal variation



Antiglare panels masked up and airbrushed



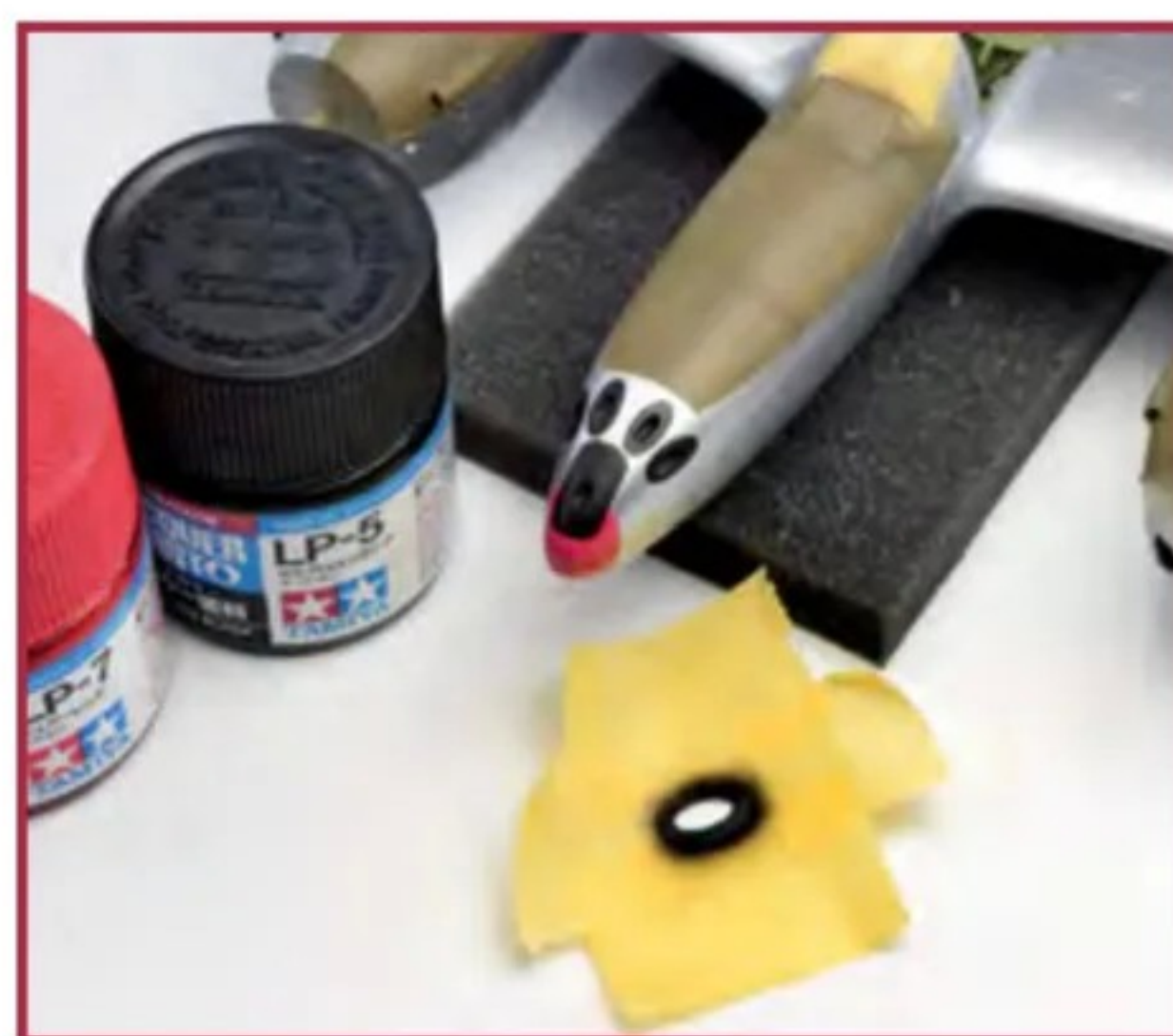
Masking up for the invasion stripes

PAINTING AND DECALS

The subject aircraft I chose was a P-38J from the 392nd Fighter Squadron, 367th Fighter Group, 9th Air Force operating from a newly constructed airfield near Carentan, France, shortly after the Normandy invasion. Heavily involved in ground-attack missions, the aircraft from the squadron were predominately in bare-metal finish with invasion stripes. Little did I know how much work would be involved once I chose this scheme...!

The anti-glare panels on the nose and engine

nacelles were painted next with Mr. Color C304 Olive Drab with some Tamiya X-22 Gloss added. The base colour was then lightened by adding some Tamiya XF-55 Dark Yellow, thinned heavily with Mr. Levelling Thinner, and airbrushed in the centre of the OD panels for some contrast and variation. Happy with the results, I began preparing and measuring the invasion stripes. The tail booms, in particular, required some careful measuring and attention due to the compound curves and unique shapes. The white sections ▶



Nose markings masked with custom cut masks



The turbochargers were painted with Tamiya acrylics



All of these colours for two simple bombs! Worth the effort? I think so!

Propellers and spinners painted separately and assembled



Ready for final assembly



① were masked off first and some Mr. Masking Neo fluid was applied with a piece of sponge to the leading edges of the wings. The white areas were then airbrushed using a mix of Mr. Color C311 FS36622 Gray and C1 White thinned with Mr. Levelling Thinner (my favourite, if you can't tell). The white stripes were then masked off and the black airbrushed with Tamiya LP-5 Semi-gloss Black, again thinned with Mr. Levelling Thinner. After allowing everything to dry, the masking tape was removed and any areas requiring touch-up were addressed. The masking fluid on the leading edges of the wings was then removed by scrubbing with a cotton bud dipped in water resulting in realistic chipping of the paint.

With the invasion stripes wrapped up, the nose markings unique to the 392nd Fighter Squadron were painted next. I made some elliptical masks using a Silhouette Cameo craft cutter and then airbrushed the openings for the machine guns and cannon with

Tamiya LP-5 Semi-gloss Black, and the forward section of the nose with LP-7 Pure Red. With that, the basic painting of the model was complete.

SUB-ASSEMBLIES

The various sub-assemblies to include the propellers and spinners, wheels, landing gear, turbochargers, and bombs were painted next. I started with the turbochargers which were first airbrushed with a base coat of Tamiya XF-9 Hull Red and XF-72 JGSDF Brown. This mix was then lightened with Tamiya XF-78 Wooden Deck Tan, and then airbrushed to create highlights and fading. The mix was then lightened once more with XF-78 and airbrushed again over the centres of the highlighted areas to create even more contrast. They were then given a heavy wash of Black and Sepia oil paint thinned with mineral spirits and set aside to dry. The bombs were painted next beginning with a base coat of Mr. Color C38 Olive Drab 2, followed

by several light coats of hairspray from the can.

Once dry, a light coat of Mr. Color C304 Olive Drab was then airbrushed on and allowed to dry for about 30 minutes. Details such as the fuse spinners and stripes were then painted with AK Gen3 and Vallejo acrylics. I then applied some water on the bombs with a soft brush, allowed it to sit for a few minutes, and then scrubbed them with a stiff brush to reveal the darker paint underneath. A thin wash of AK Interactive Light Dust & Dirt Deposits was applied next, followed by some speckling with a thin mix of brown and black enamel paint. The results closely resembled period photos of bombs being handled by ground crews, which I referenced continuously throughout the painting process.

The landing gear doors and wheels were painted next, beginning with the polished strut areas of the landing gear which were airbrushed with Mr. Color SM206 Super Metallic 2

Chrome Silver. These areas were then masked off, and the remaining areas as well as the wheel hubs and landing gear doors were airbrushed with Tamiya LP-11 Silver. The tires were then airbrushed with Tamiya LP-65 Rubber Black. All of these subassemblies were then given a wash with a mix of Black and Sepia oil paint thinned with mineral spirits, followed by some speckling with the same mix. Finally, the propellers were airbrushed with Mr. Paint MRP-122 RAF Marking Yellow on the tips. These were then masked off and the remaining areas airbrushed with Tamiya LP-5 Semi-gloss Black. The spinner components were then airbrushed with Tamiya LP-11 Silver and the spinner cones with a darkened mix for some contrast consistent with period photos. With that, painting was complete and the model was ready for decals.

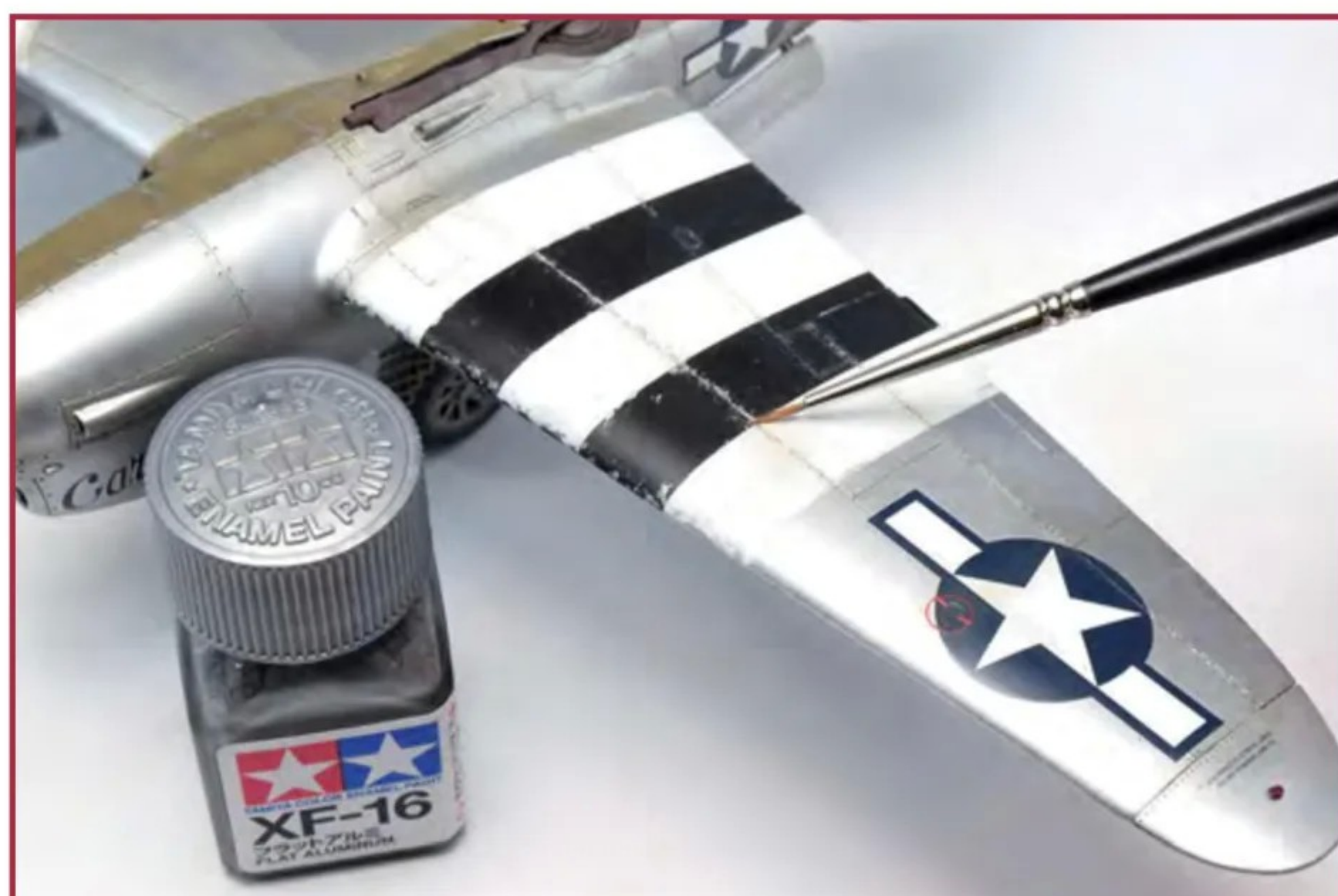
Tamiya includes markings for several PTO aircraft, so decals were sourced from



Base layer for exhaust staining



Final, lighter layer of exhaust



Chipping and 'distressing' the invasion stripes



Prop paint-erosion with enamel paints and a sponge



Small dots of oil paints applied to crew access areas and were then stippled with a stiff brush



Dirtying up the wheels and tyres with AK's enamel product, the excess then removed for a realistic finish



Streaks and oil stains were achieved with oil paints

the Eduard "P-38's over Europe" boxing of an older P-38 kit for the ETO subject I had chosen. The decals for 'Moonlight Cocktail' performed flawlessly with the aid of some Micro Set and Sol and settled nicely into rivets and panel lines. I also used the kit provided stars and bars insignia from Tamiya; they were noticeably thinner from previous kit decals and were excellent when applied. If building one of the marking options included in the kit, I would not hesitate to use the decals provided. Once dry, all of the decals were sealed with several light coats of Mr Color GX-100 Super Clear thinned with Mr Levelling Thinner to protect them from future weathering steps.

FINISHING UP

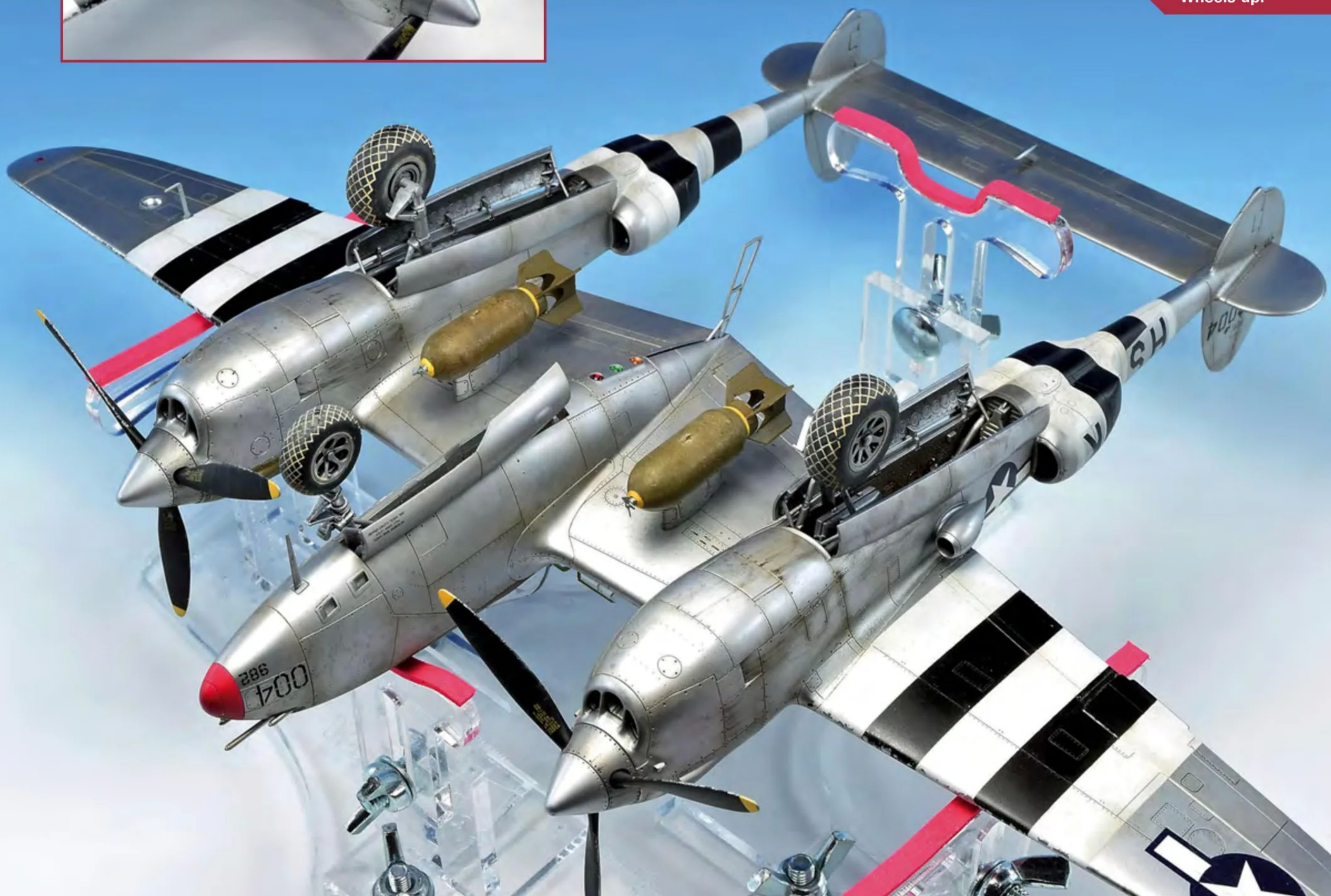
With weathering complete, it was time for final assembly. The landing gear struts and doors were mounted first, followed by the wheels. These were cemented in place with 5-minute epoxy to allow some working time to ensure they were straight and evenly spaced on the

axles. The gun barrels were cemented in place next, making sure they were aligned properly, and the appropriate length barrel placed in each opening. Prior to mounting the overhead canopy, the mirror (which includes an awesome kit supplied reflective decal!) was cemented in place with Ammo by Mig Ultra Glue. The overhead canopy was the last item to be placed on the model using Ultra Glue once again, which is perfect for clear parts and photo-etch. With that, the model was complete!

FINAL THOUGHTS

Tamiya has produced yet another excellent model of a very important aircraft from WWII! As I mentioned previously, everything you've ever read about the ease of assembly and excellent details of this kit is absolutely true. While a bit more involved because of its design and multi-engine platform, the kit is well within the capabilities of someone with a couple of models under their belt. Now, for that P-38L...or P-38J 'Droop Snoot'! ●

Wheels up!



FULL-BUILD: WORLD WAR TWO ALLIED AIRCRAFT

TAMIYA 1:48 LOCKHEED P-38J LIGHTNING ● KIT NO.61123



TECHSPEC...

TAMIYA 1:48 LOCKHEED P-38J LIGHTNING KIT NO.61123

Materials:

Injection-moulded polystyrene, waterslide decals

Paints and weathering products used:

- Tamiya Lacquers: LP-11 Silver, LP-1 Black, LP-7 Pure Red, LP-5 Semi-Gloss Black, LP-65 Rubber Black,
- Tamiya Acrylics: XF-1 Flat Black, XF-10 Flat Brown, XF-9 Hull Red, XF-72 JGSDF Brown, XF-78 Wooden Deck Tan, XF-19 Sky Grey, XF-2 White
- Vallejo Acrylics: (various colours)
- AMMO: A.1602 Deep Grey PLW
- Mr Color: C38 Olive Drab 2, C304 Olive Drab, SM206 Super Metallic 2 Chrome Silver, C339 Engine Gray
- Mr Paint: MRP-122 RAF Marking Yellow, MRP-180 Exhaust Soot
- Abteilung 502: Black and Sepia oil paints
- AK Interactive: Light Dust Deposits

Accessories used:

- Eduard: Brassin Print P-38J Superchargers (648791), Brassin US 1000lb. Bombs (648565)
- Master Model: P-38 Lightning Late Armament Set (48023)
- Fine Molds: NC4 US WWII Aircraft Seatbelt Set

Availability:

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

Don't miss out on full-build features of great models each month! Subscribe to Tamiya Model Magazine now at: www.tamiyamodelmagazine.com



www.creativemodels.co.uk

Model by Wayne Hui

Model by Jeremy Moore

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Tamiya's latest aircraft release is the F-35A Lightning II in 1:72, and it's not the Italeri kit!

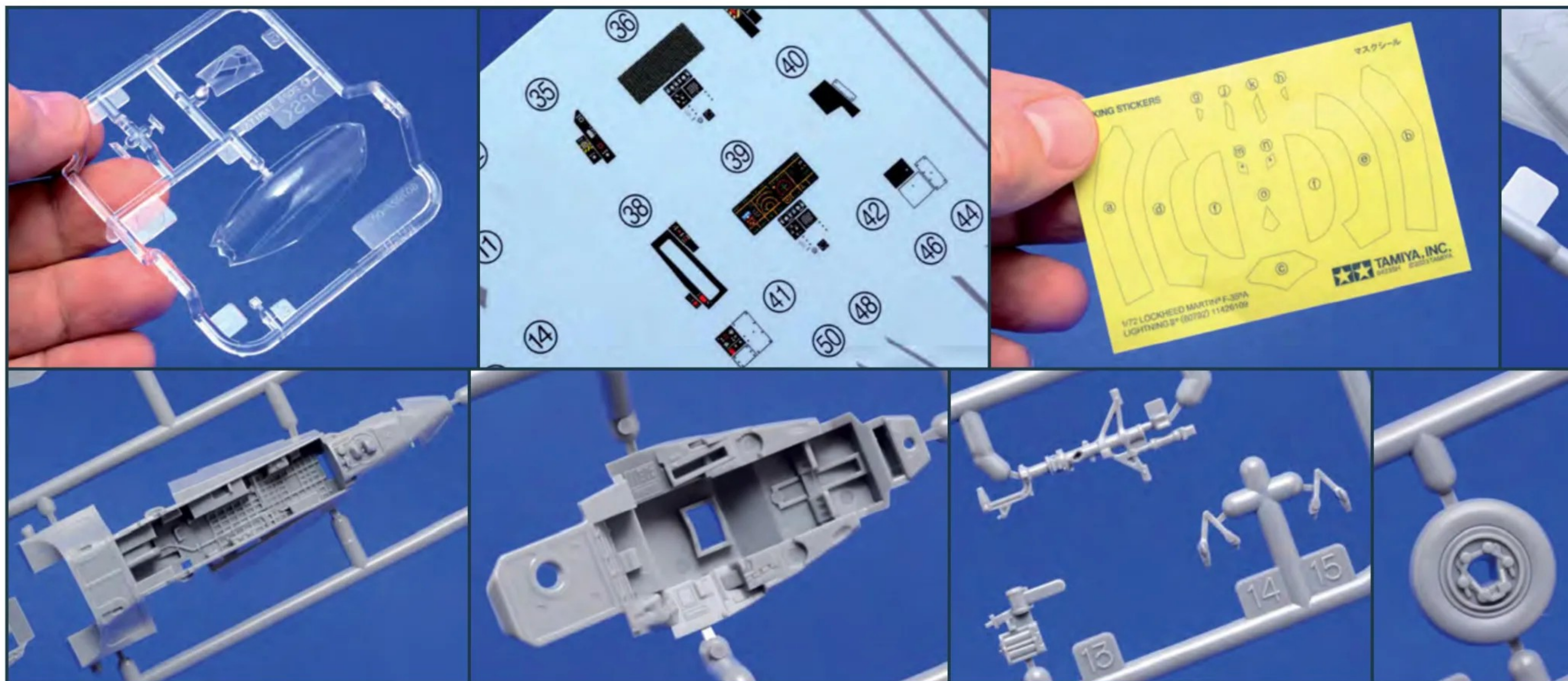


Tamiya's 1:48 F-35A Lightning II proved to be very popular (the concluding part of our full-build article is coming soon, honest!), so much so that an all-new kit of the aircraft has been created in 1:72. Firstly, it must be stressed that this is not the Italeri-tooled model that has been marketed previously by Tamiya, but a completely new kit, designed from scratch by Tamiya's design team.

The main objective here was to make the model as easy to build as possible; it has fewer than half the parts of the bigger kit, but without sacrificing detail or accuracy. From a close inspection of the mouldings, it's fair to say that they have achieved – and exceeded – the brief. The model is a stunning little production that offers exactly the right level of complexity to be a satisfying project, without it

becoming a time-sponge as many larger kits can become.

Other than the scale, the main way Tamiya's 1:72 model differs from its 1:48 brother is the exclusion of an open weapons bay. In the larger model, this area is the focal point of the production and it is certainly a magnificent 'pool' of detail. It does however, take quite a while to paint, so its absence from the 1:72 model will





LIGHTNING!

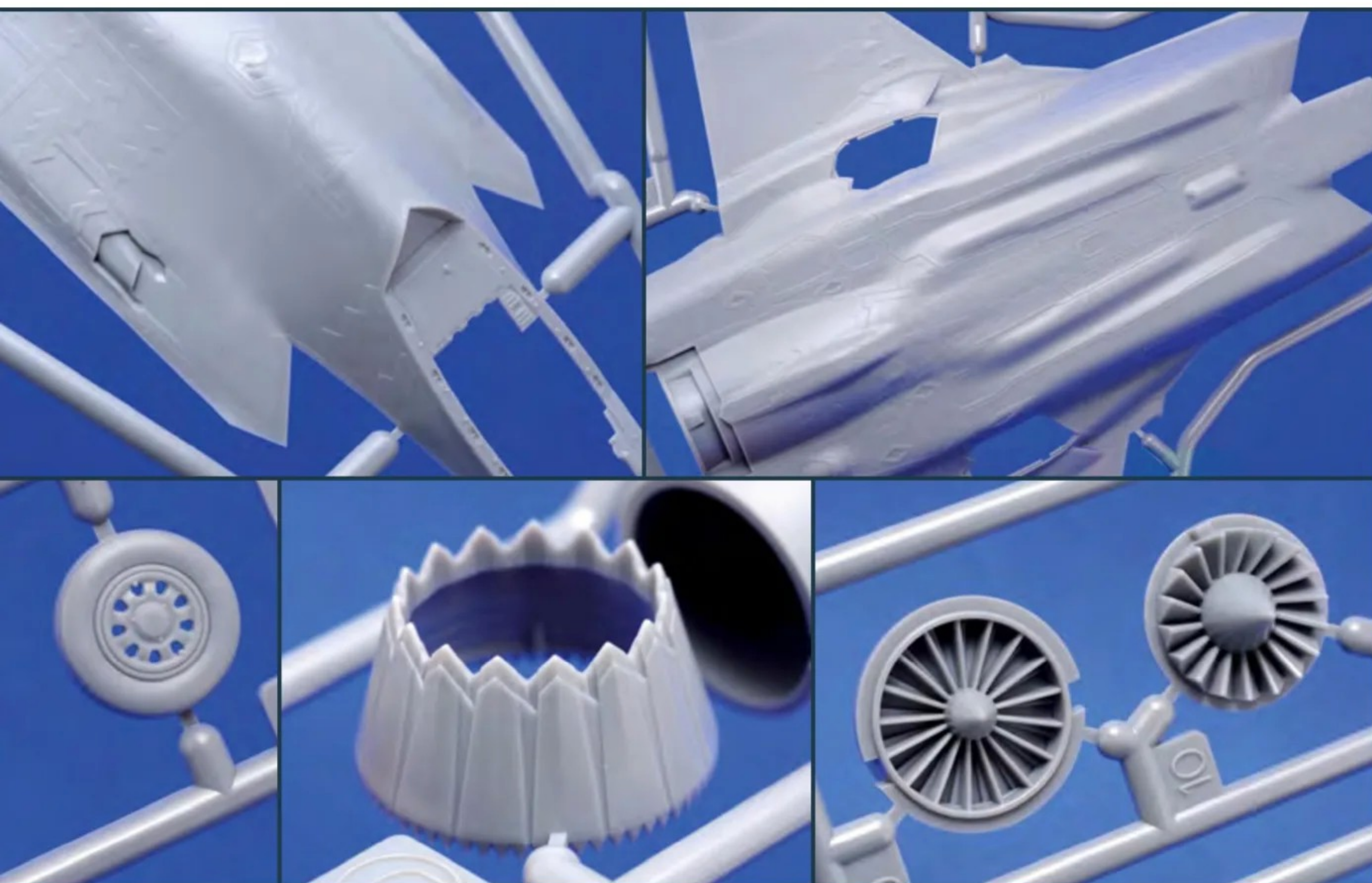
come as a relief to many.

As per the 1:48 release, this kit comes with a pilot figure, open or closed canopy and plentiful underwing ordnance. The only minor point of criticism we noticed is the un-tinted canopy part, something that is incorporated within the big kit. Otherwise, this is a triumph by Tamiya and we will, of course, be bringing you a full-build feature soon. ●

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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New Releases

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

EDUARD, CZECH REPUBLIC

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

This month, the Hobbyboss 1:48 A-10C gets a host of detail sets in photo-etched brass and 3D-printed decals, whilst we also have a clutch of aerial weapons in 1:72, 1:48 and 1:32. Top quality metal and resin as always. **TMMI**

1:32 Brassin sets

- TIALD pod (632178)

1:48 Brassin sets

- Lufttorpedo F5w (648630)
- AGM-142 Popeye I (648651)
- MICA RF (648749)
- Sky Shadow ECM pod (672265)

1:72 Brassin sets

- JP233 dispenser (672271)

1:48 SPACE

- A-10C SPACE (3DL48098) for Hobbyboss

1:48 photo-etched detail sets

- A-10C details (491324) for Hobbyboss
- A-10C armament (481098) for Hobbyboss
- A-10C exterior (481097) for Hobbyboss

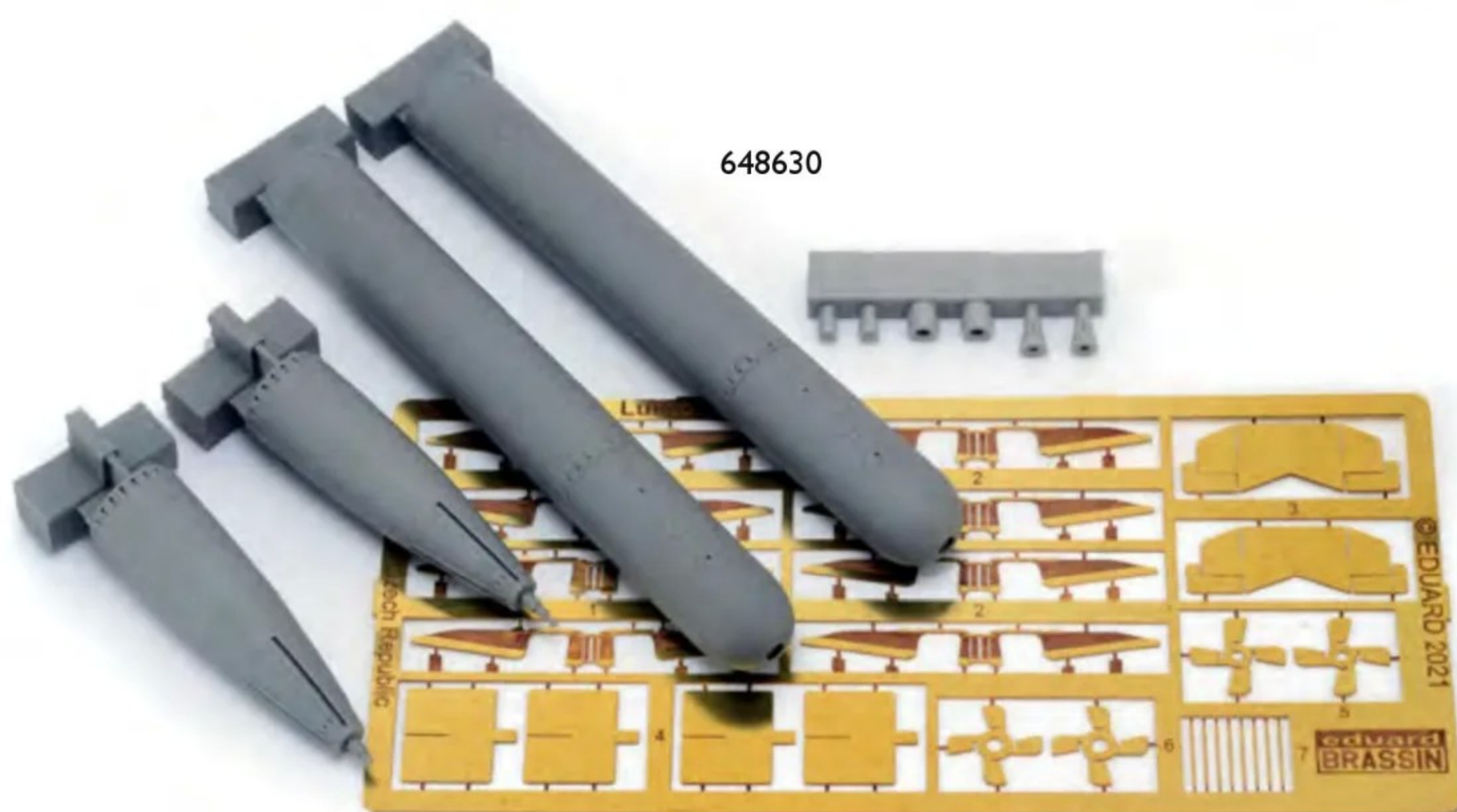
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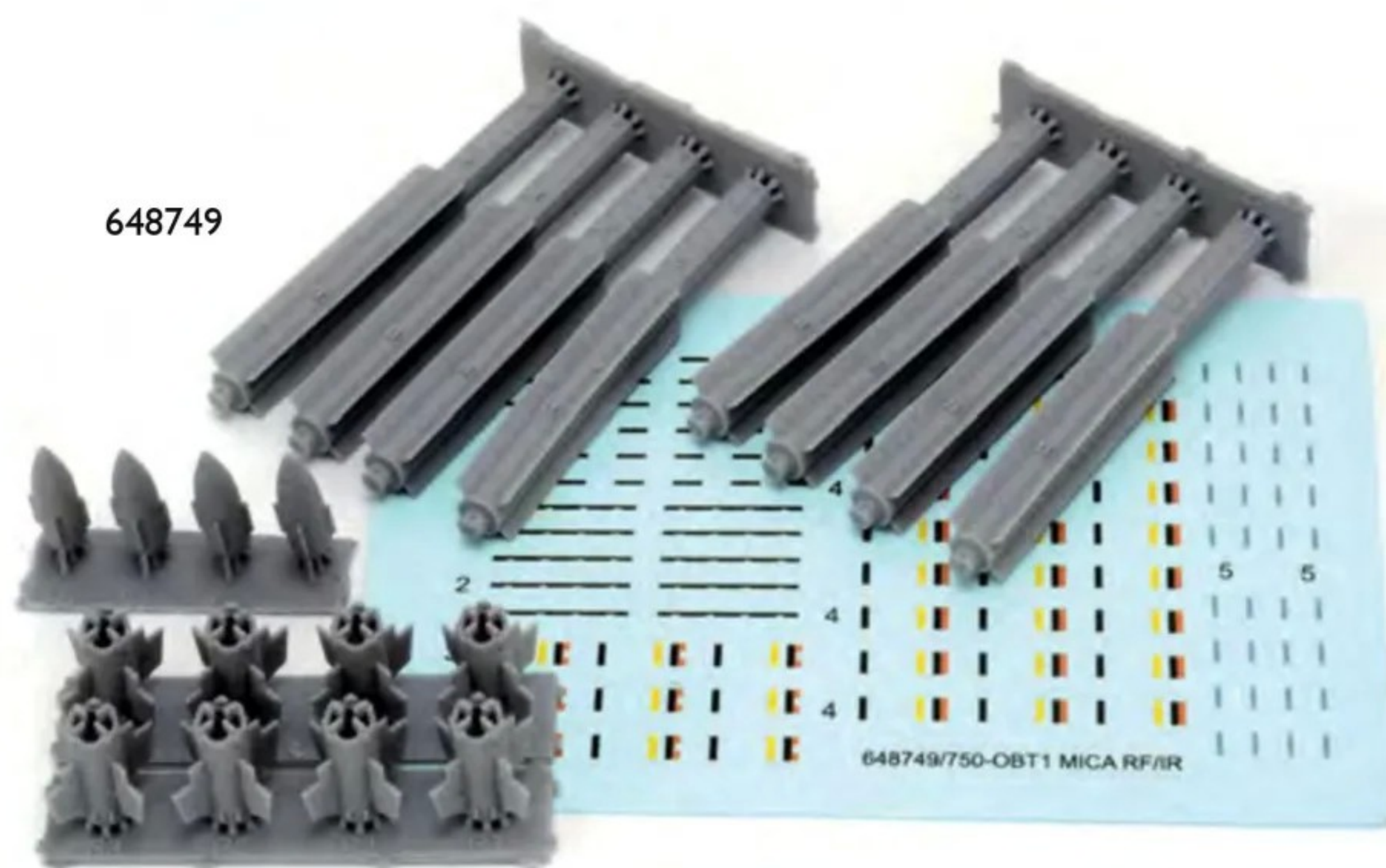
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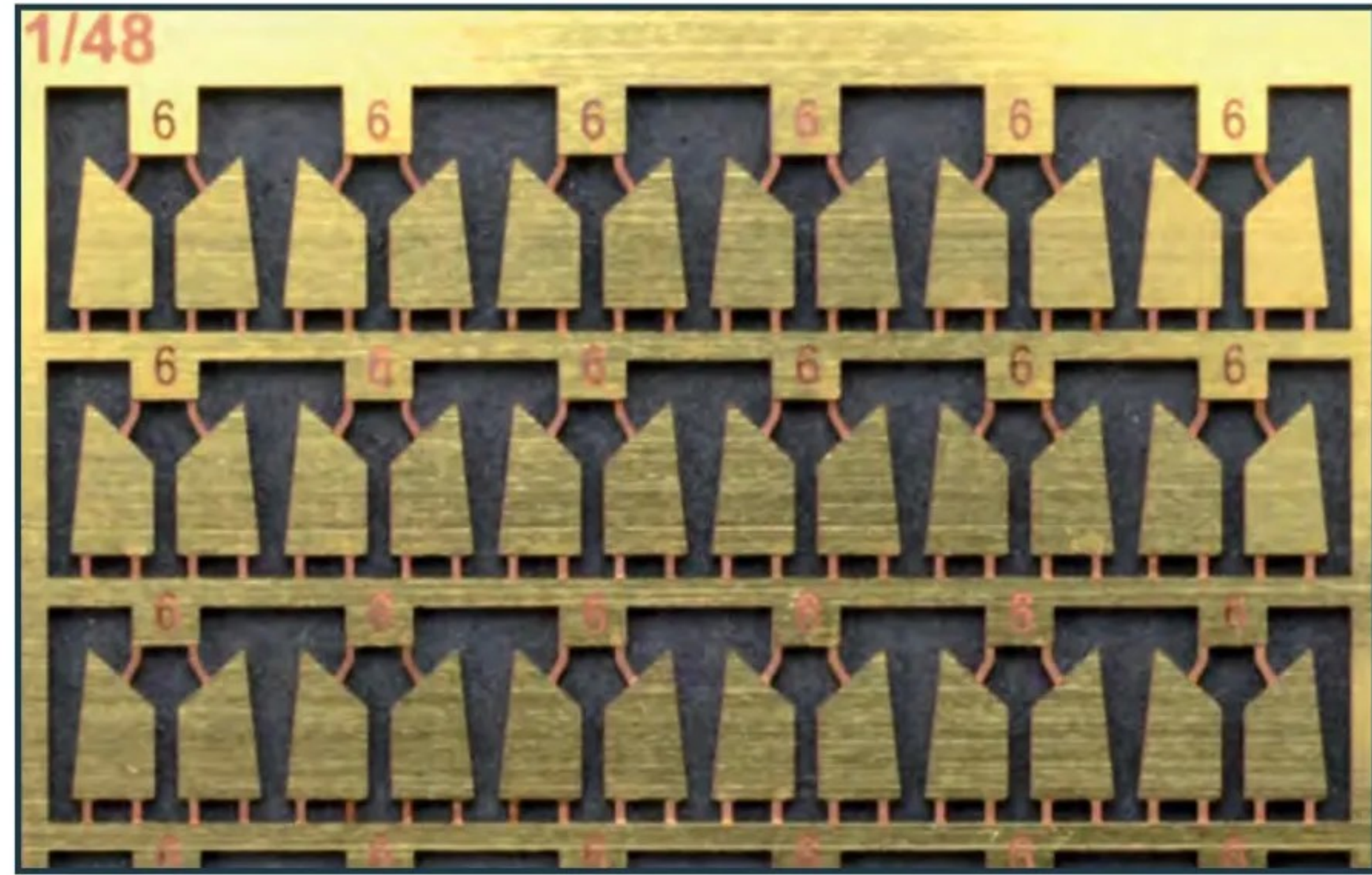
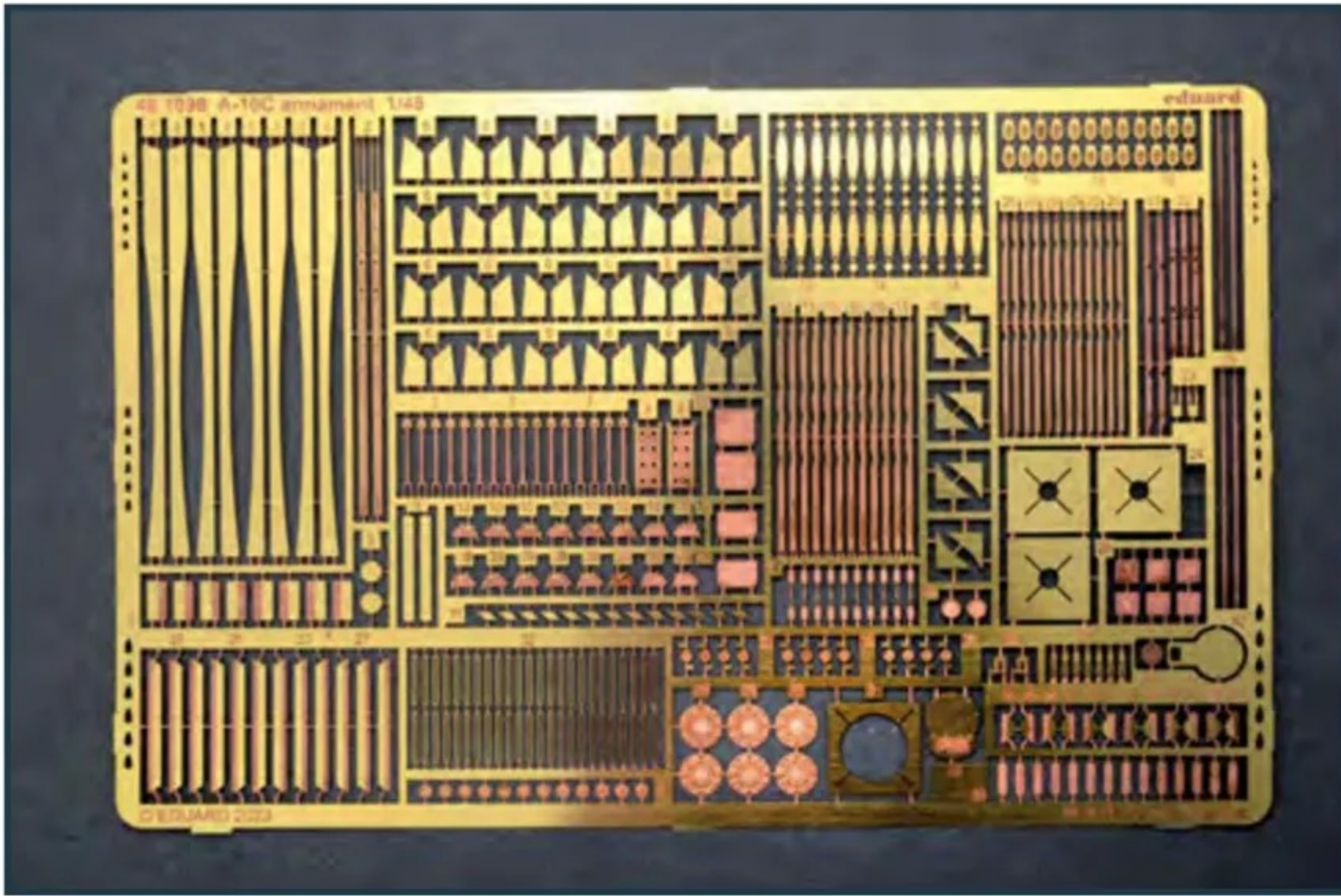
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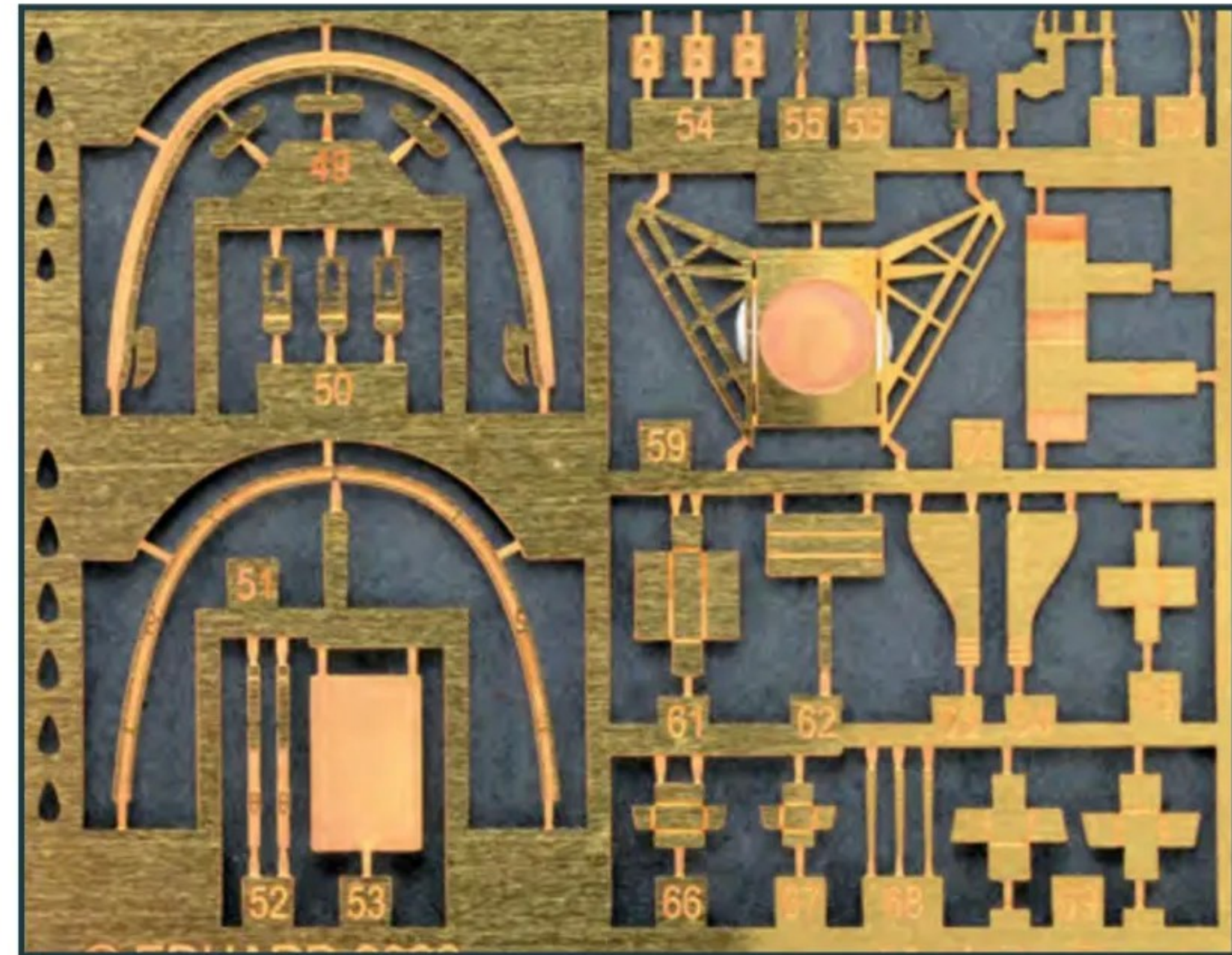
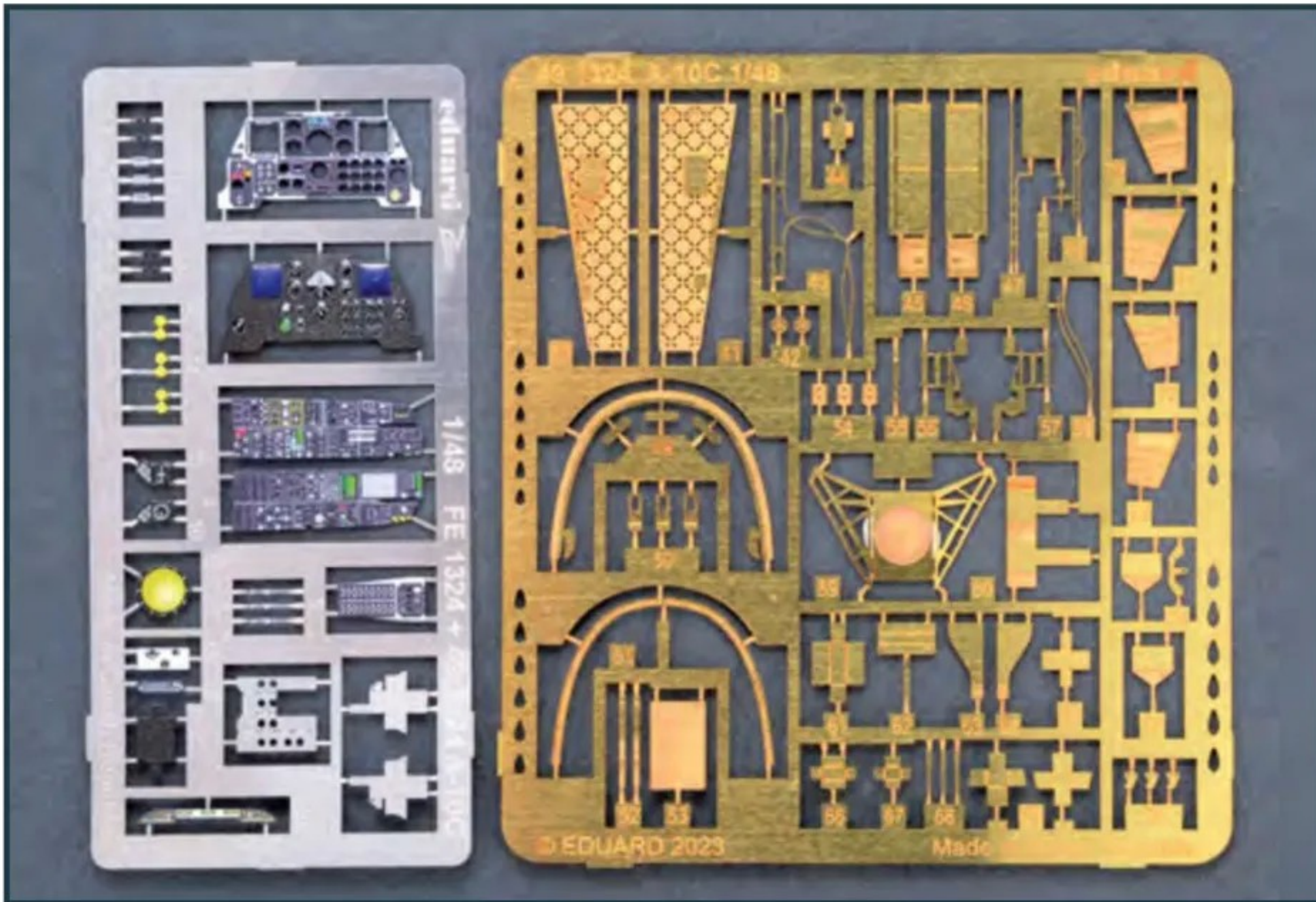
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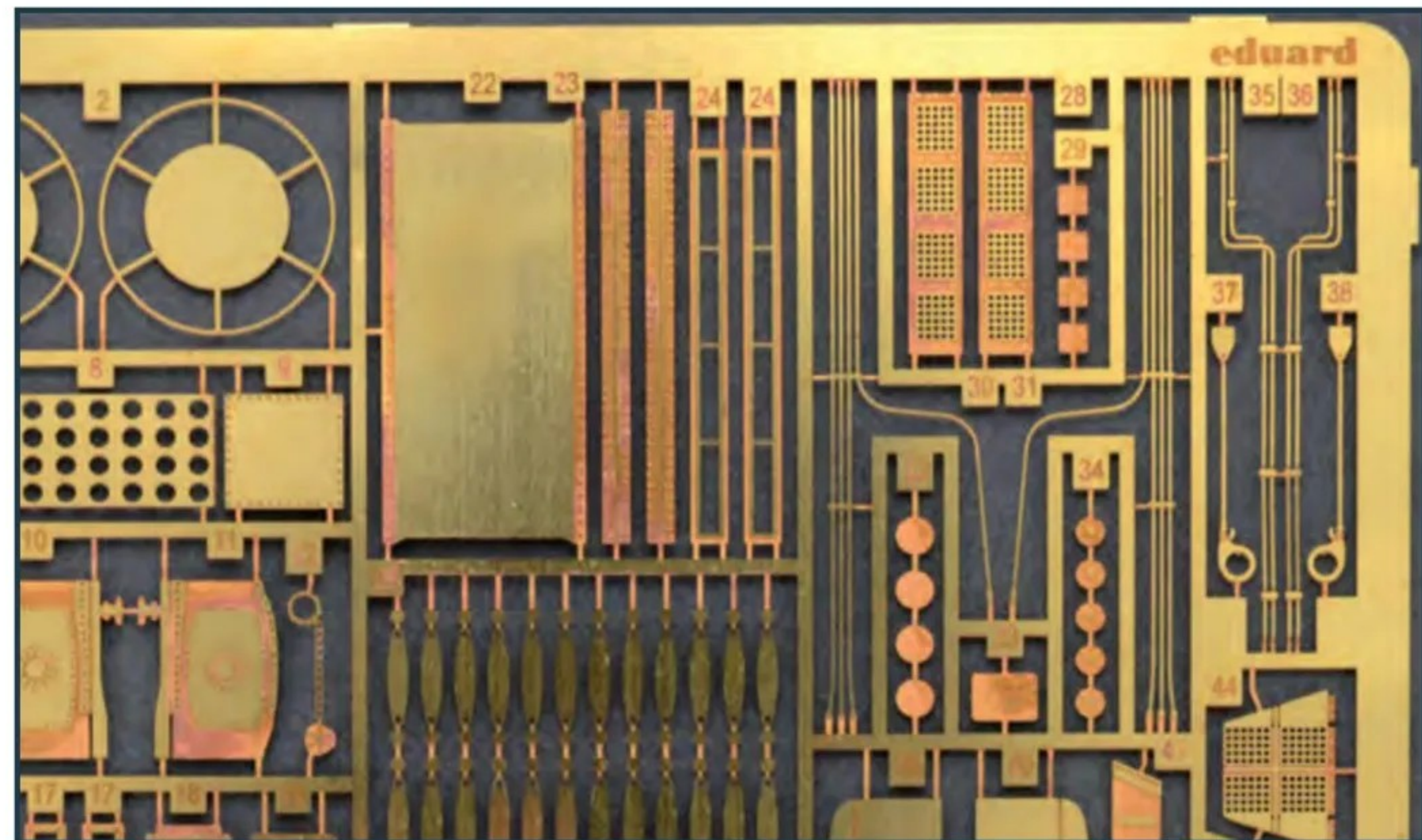
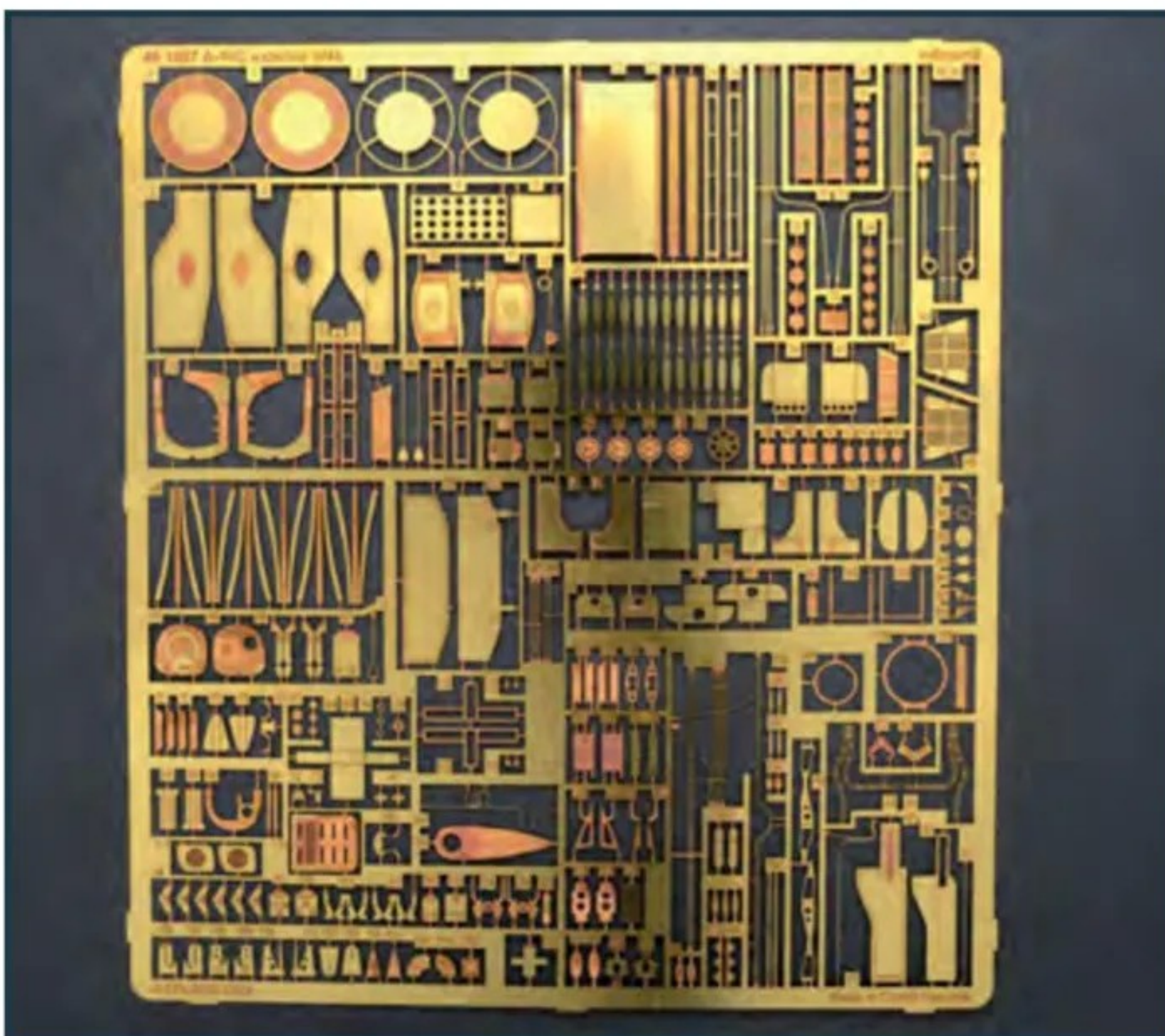
Accessories



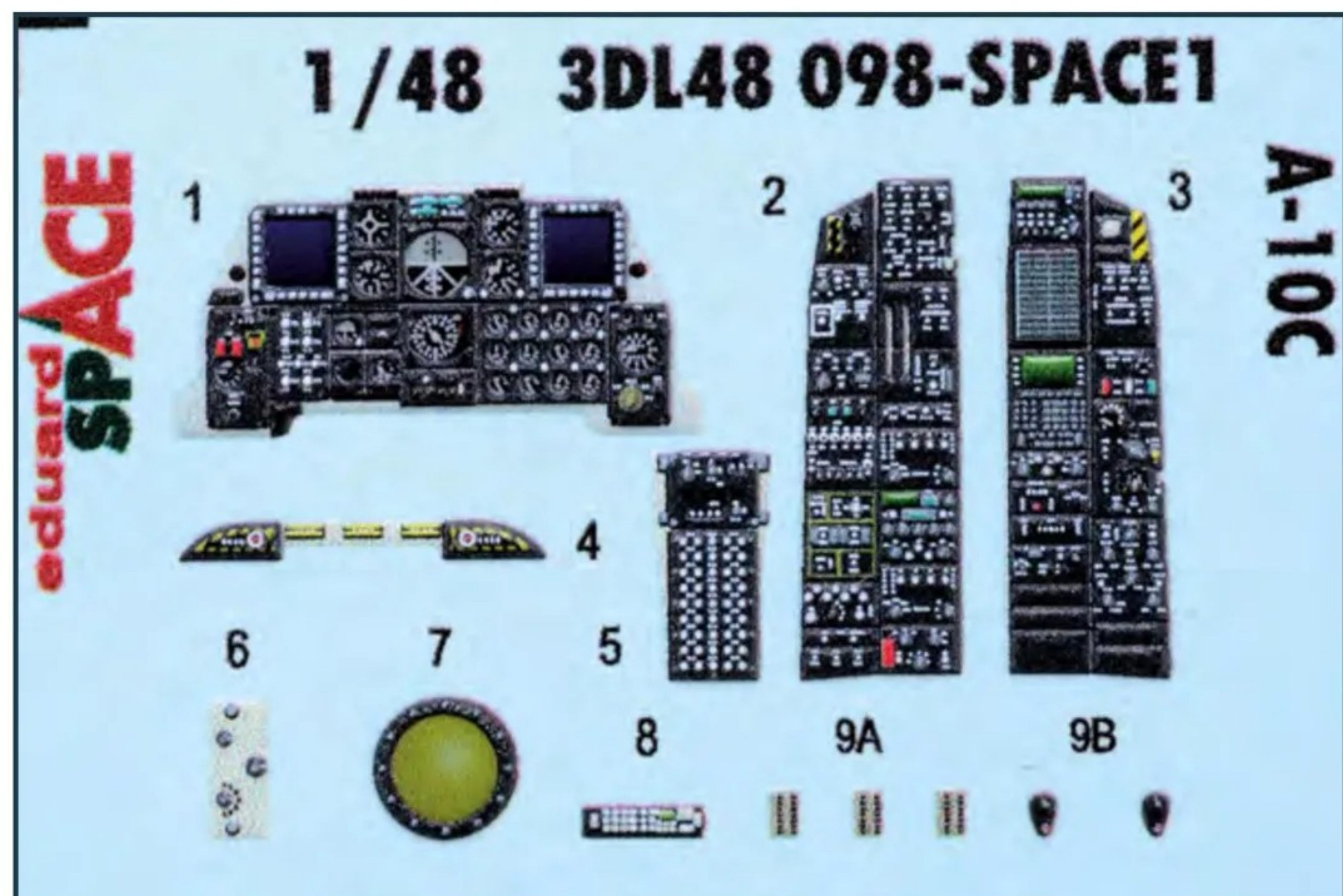
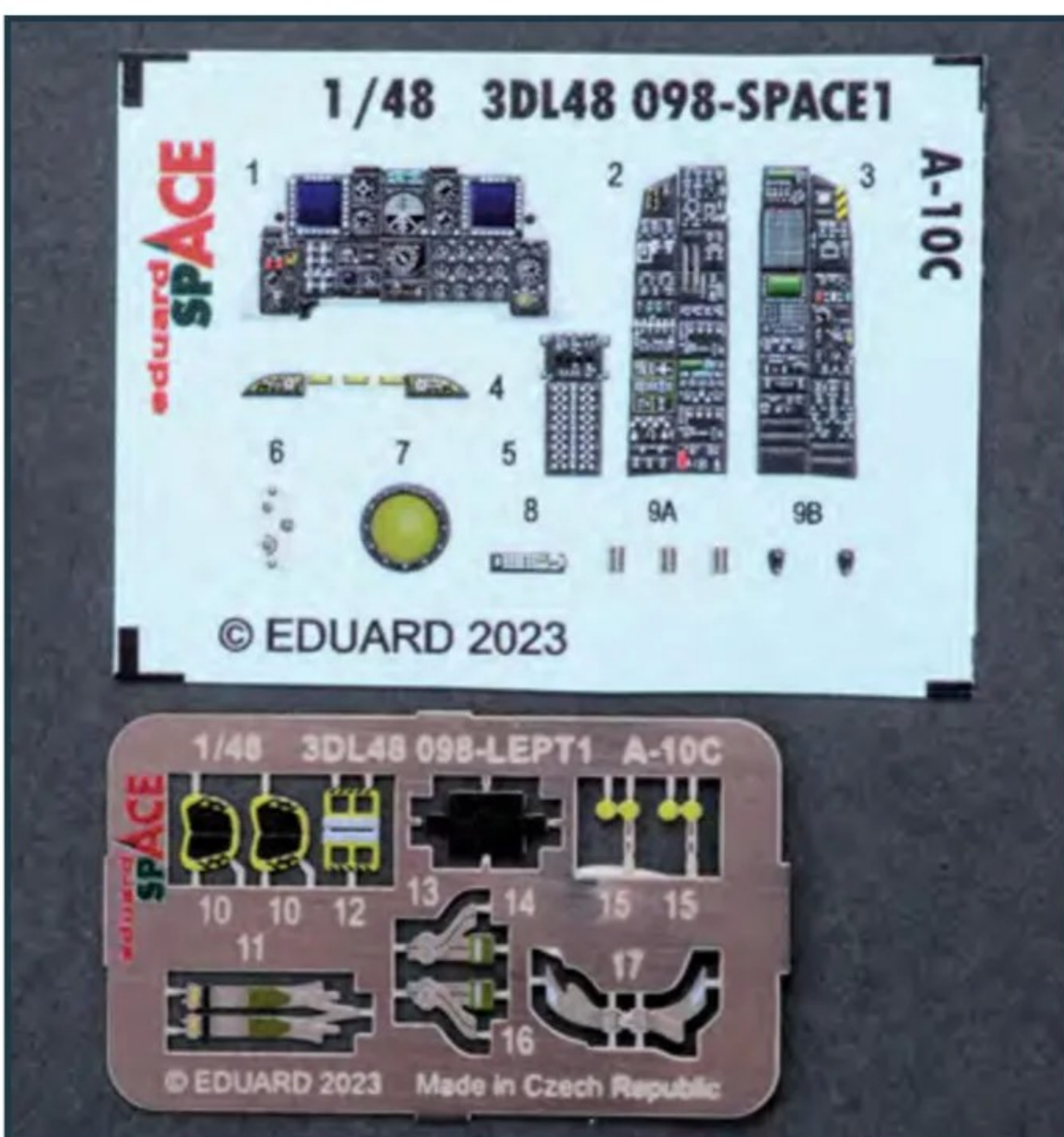
481098



491324



481097



3DL48098

New Releases Accessories

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

ICM, UKRAINE

www.icm.com.ua

Anyone watching film of the current Russian invasion of Ukraine will notice that both sides wear uniforms with quite complicated patterns. The Ukrainian Pixel Uniform is particularly difficult to untangle in images, and for modellers will be hard to replicate. ICM have come to the rescue with a set of paints specifically designed for figures. The 12ml pots contain a high quality acrylic paint, designed for brush painting, although it is possible to thin for airbrush application. The paints include the four colours of the pixel uniform (Buff, Grey Green, Dark Green and Extra Dark Green), plus Chocolate brown for footwear and t-shirts, and finally a matt varnish to even out the appearance after all of the colours have been painted. The box art includes illustrations on the back to show the pixel pattern and to show painting instructions for Ukrainian troops. With all the current interest in the defence of Ukraine, this set of paints will help modellers get the correct appearance to figures and equipment. A very useful set of matched paints for Ukrainian uniforms. The diagram showing the pixel pattern does not have a scale. **CLS**



1:35 paint set

- Armed Forces Of Ukraine Pixel Camouflage Uniform Paint Set (3025)



As part of the heroic defence of their nation, the Ukrainian army has made extensive use of anti-tank missiles to repel the invading armoured units. Designed and manufactured within Ukraine, this Stugna-P (Skif) weapon has been extremely effective, with a range of 5km. Unlike Javelin, the Stugna is guided by an operator towards the target, something that can be done remotely. This set from ICM includes the missile and launcher, with a crew of two setting it up, plus the operator with the control unit, and lastly a sentry keeping an eye out for any enemy troops. The parts are moulded in grey plastic and accurately portray the figures with goggles, body armour and pouches typical of the current forces. For added detail, the modeller will need to look at the box art to see how to add cables and carrying straps to the launcher, and the internet provides many other pictures. The quality of moulding is extremely good, and painting the figures and the weapons will be great fun. The figures are naturally limited by the process of injection moulding, and some details such as the definition of pocket flaps can be improved by scraping with the tip of a sharp blade. Some additional straps (such as those on the knee pads) may need adding, but essentially these figures are great to go from the box, and represent figures in warm conditions of summer 2022, as they are in t-shirts rather than overcoats! Superb figures from the current Russian invasion of Ukraine, with everything for a vignette. Some minor fine details can be added where plastic moulding could not manage. **CLS**



1:35 figure set

- The Crew Of 'STUGNA-P' Anti-Tank Complex (35750)



The choice of 1:24 scale for figures is unusual, as current releases of vehicles and aircraft tend to be in other scales, but the great advantage of 1:24th is that the figures are large enough to detail without taking up too much display space. These three Wehrmacht figures from ICM include a General, a mid-level officer (the aide?) and a private soldier (the driver?). Each figure is beautifully moulded in the standard parts – legs, arms, front and rear torso, head – with the headgear separate and the two officers given appropriate side-arms. The figures are posed standing, which makes them adaptable for different situations, and they are good enough for individual display. There has been care taken with accuracy in the uniforms, with the boots of the correct type for each rank, for example. The details of each figure would be appropriate for the first half of WW2, before uniforms began to be simplified, with collars, pockets and caps all changing. The quality of ICM's moulding is exceptional, with the officers showing a fine array of decorations, and excellent buckles, buttons, and other details all sharply picked out.

The instruction sheet shows basic positioning and colours of parts, but the majority of modellers will want to consult references for painting details on these impressive figures. Overall, a really great set of figures which look superb individually or as a group. Very good moulding of details and useful poses. Further references will be needed to get the uniforms painted correctly. **CLS**

1:24 figure set

- WWII German Staff Personnel (24020)



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BOFORS IN THE BOX!

It has taken a while to arrive, but Thunder Models new 1:35 Morris C9/B Bofors is here, and what a kit it is...

The Morris-Commercial company was one of Britain's best known car manufacturers, but they also made vast numbers of military vehicles, of which the C8 Field Artillery Tractor (FAT) was one. The C8 was a four-wheel drive, general utility vehicle used widely from 1939 by British and Commonwealth forces during the War and was employed to tow artillery such as the 25-pounder howitzer and 17-pounder anti-tank gun.

With the Morris acting as the base, the developers needed a weapon and they chose one of the most famous anti-aircraft guns in WW2 Allied history, the Swedish-designed Bofors 40mm. This powerful weapon fired a 1.6" (40mm) projectile and had a rate of fire 120 rounds per minute.

The combination, now designed 'Carrier, 30cwt, SP, 4x4, 40 mm AA

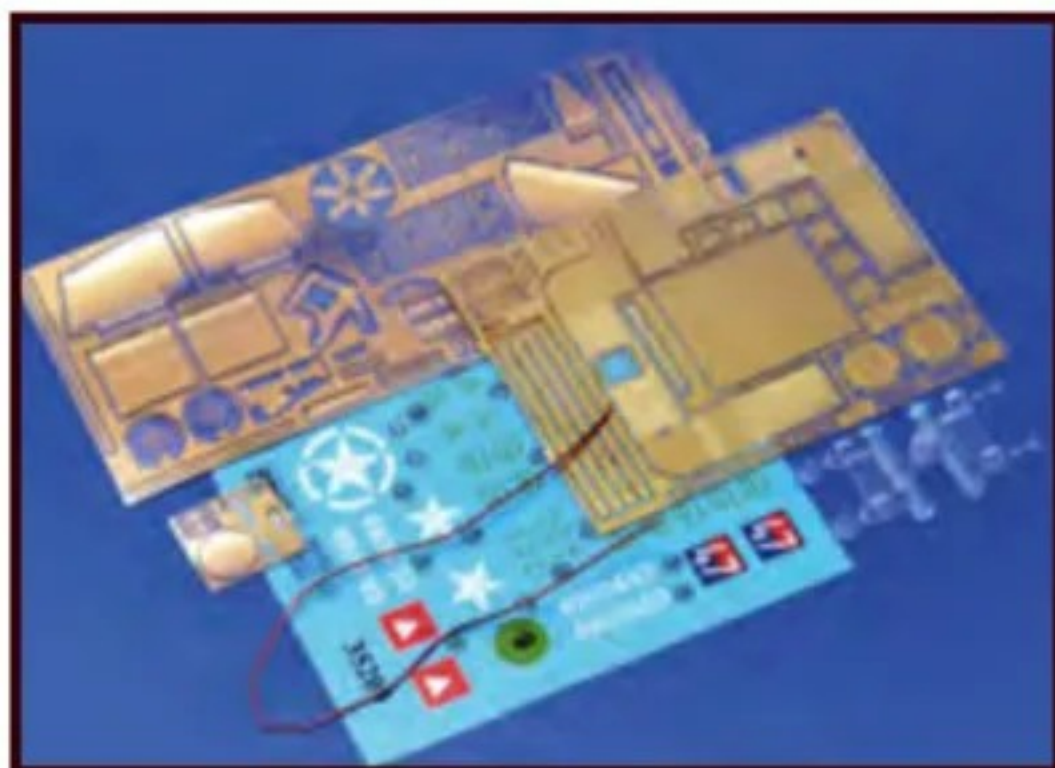
(Bofors)' was put into production before the D-Day operations of June 1944 and it served widely in Europe; a total of 1,680 vehicles were constructed.

Thunder Model made us wait for this kit, but now we have it in our hands, it's a little beauty. It arrives in a modestly-sized box packed with eleven sprues in mind-grey polystyrene, one in clear, five resin wheels/tyres, three frets of photo-etched brass, copper wire plus a sheet of waterslide decals. The markings are for one of two machines; one serving with the Light Anti-Aircraft Regiment, 15th Scottish Infantry Division, North West Europe, 1944 plus a vehicle of the 1st Infantry Division, Italy 1944.

The kit parts are numerous and many look delicately in-scale, so some care will be needed when removing them from their sprues, but the

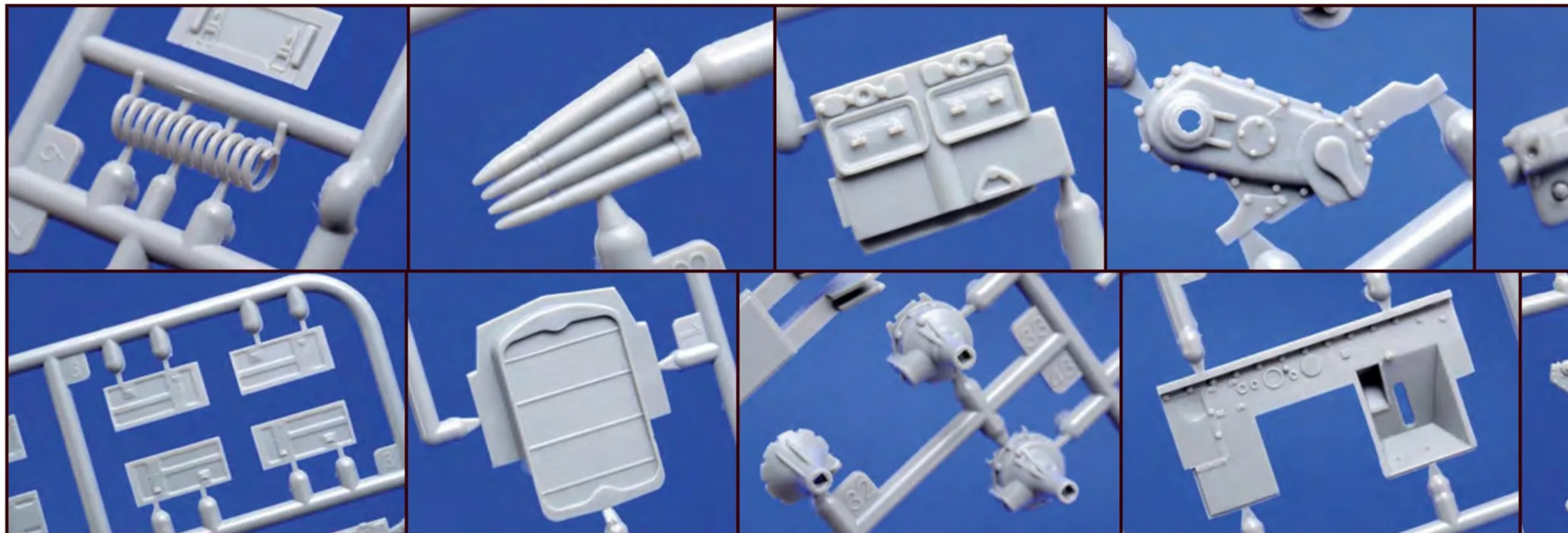
scale-effect will be fantastic. The model comes with a full depiction of the engine, gearbox and chassis, all building up from a mass of small mouldings to create the powertrain and underpinnings. The axles and steering linkages alone will need good tweezers and very restrained applications of cement for construction, but the finished effect will be impressive.

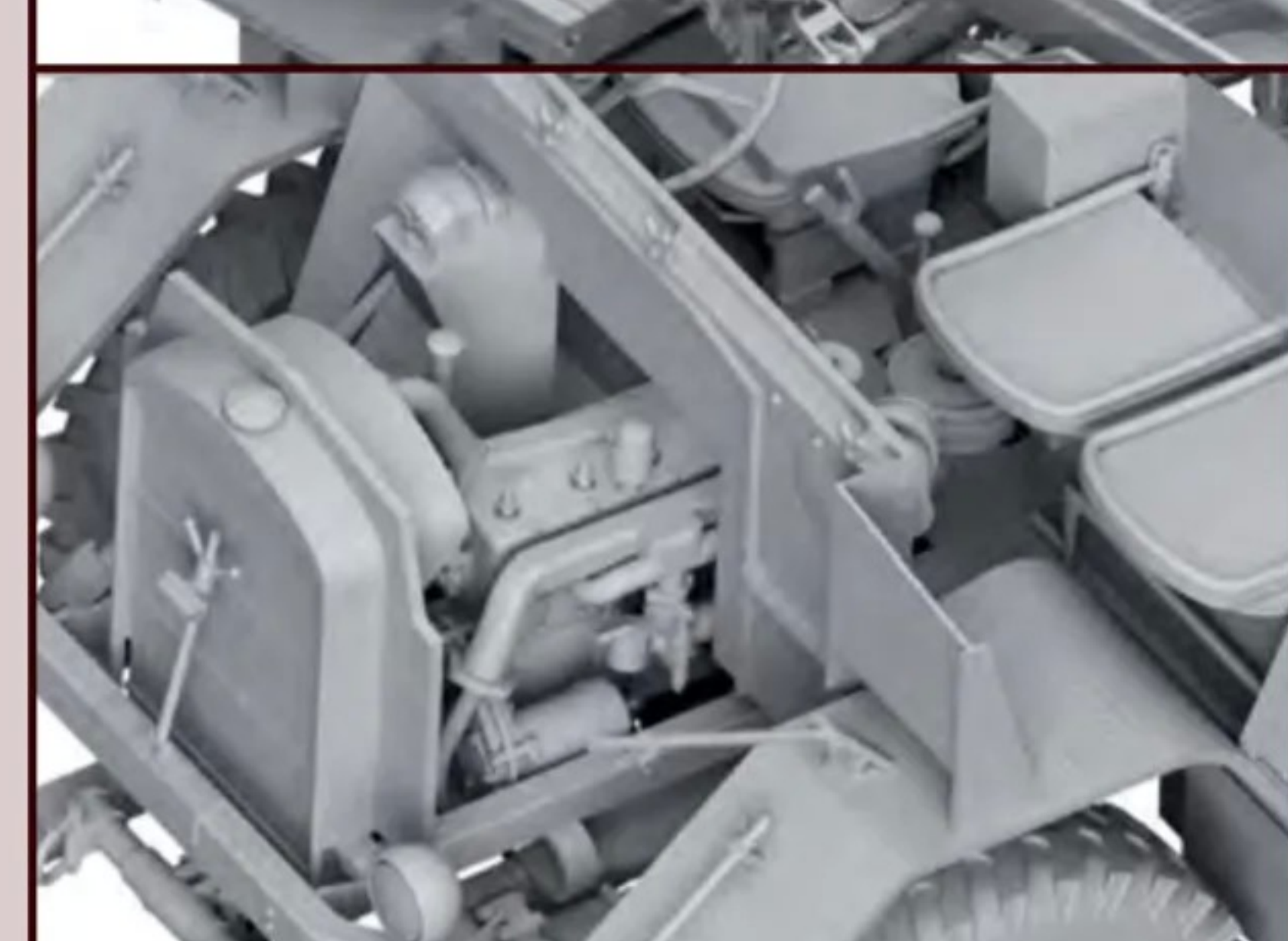
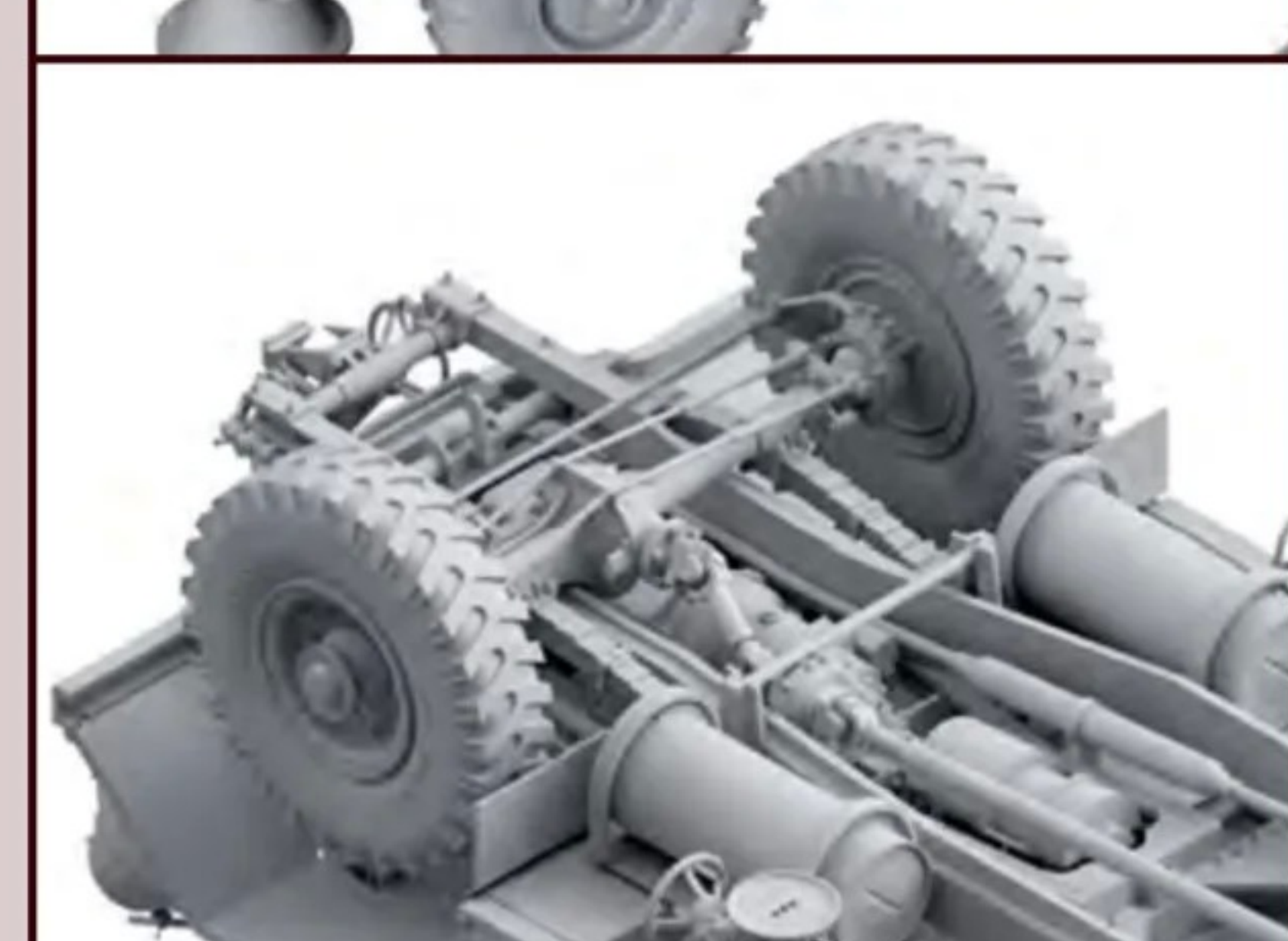
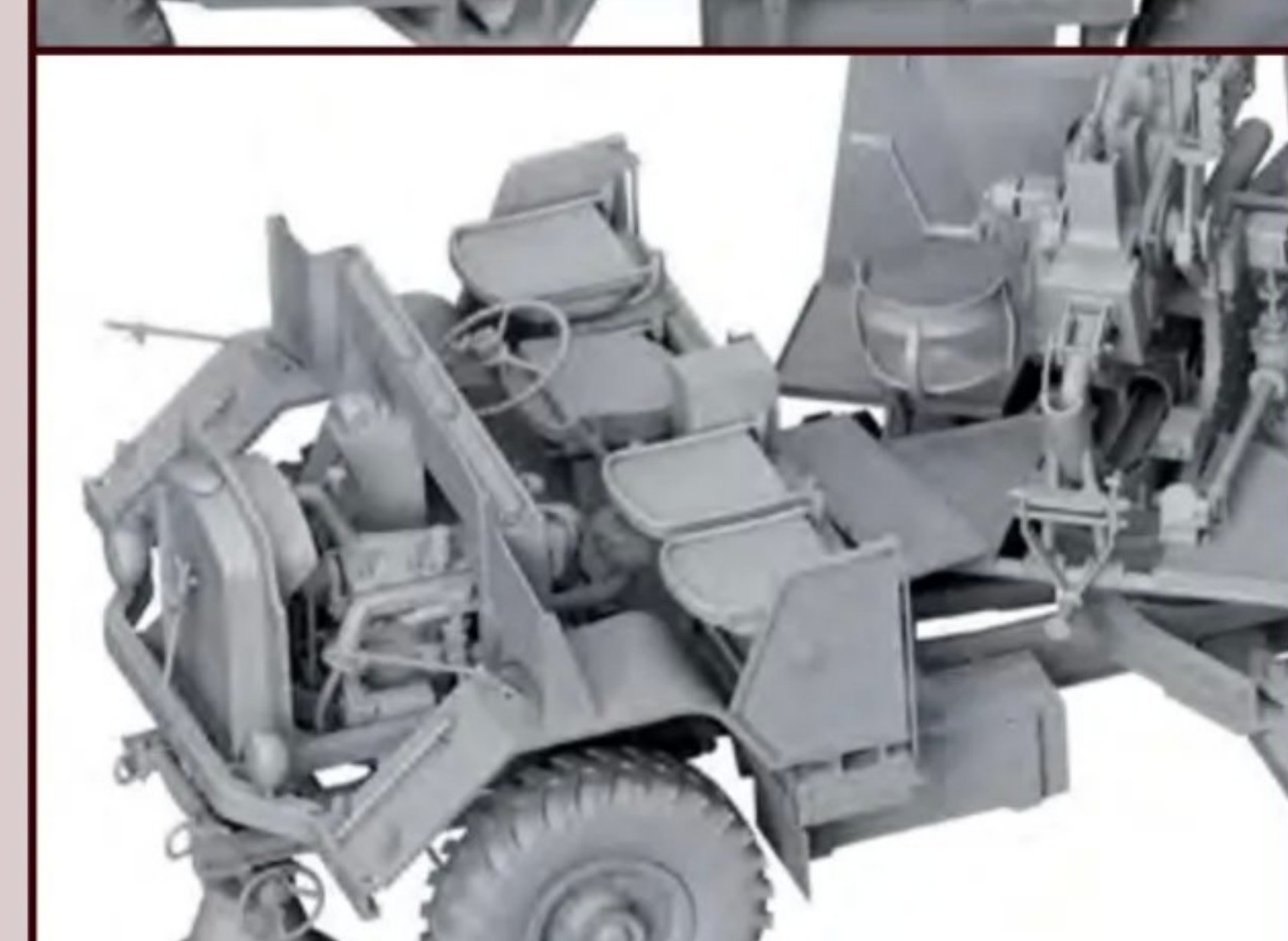
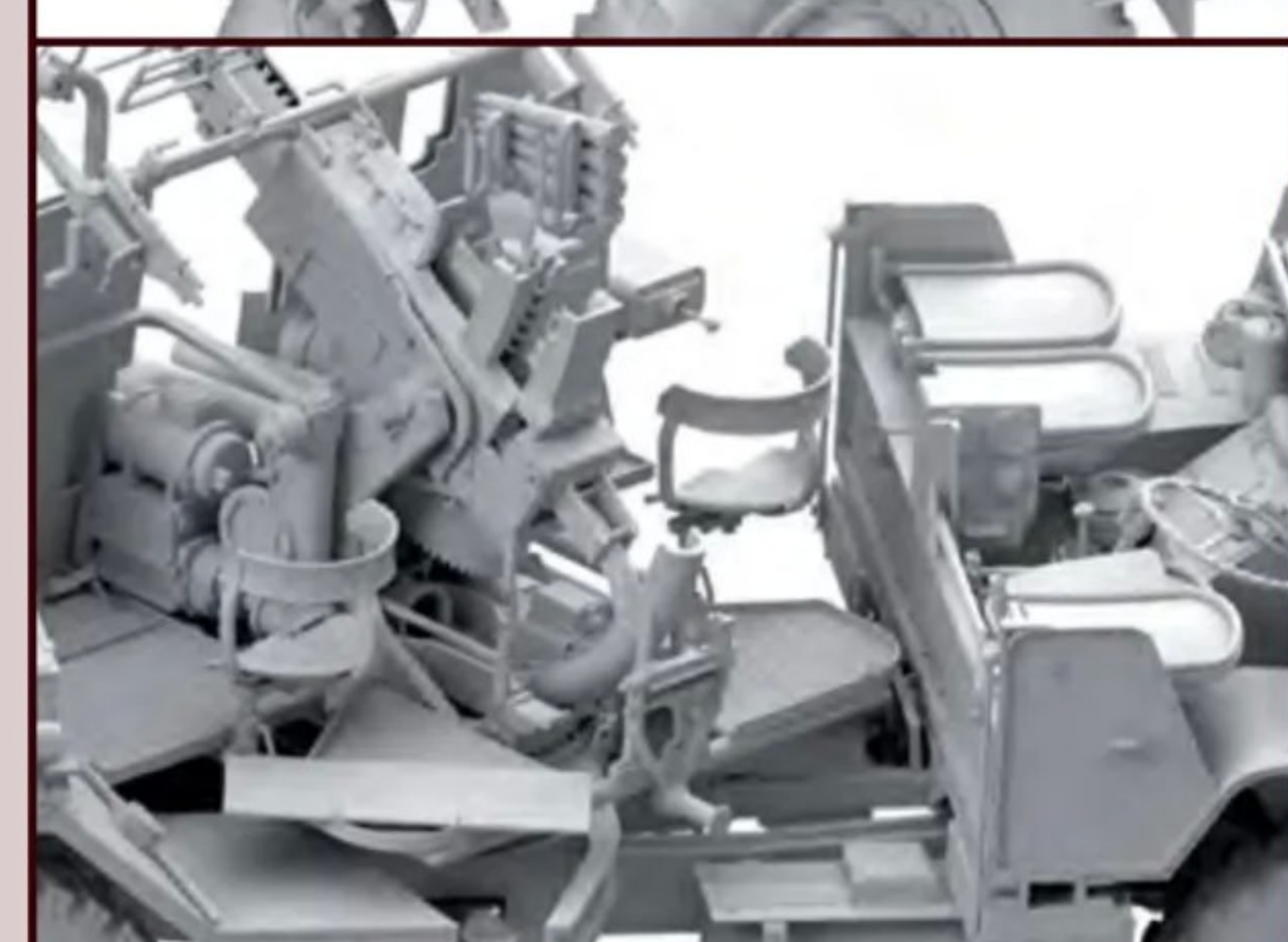
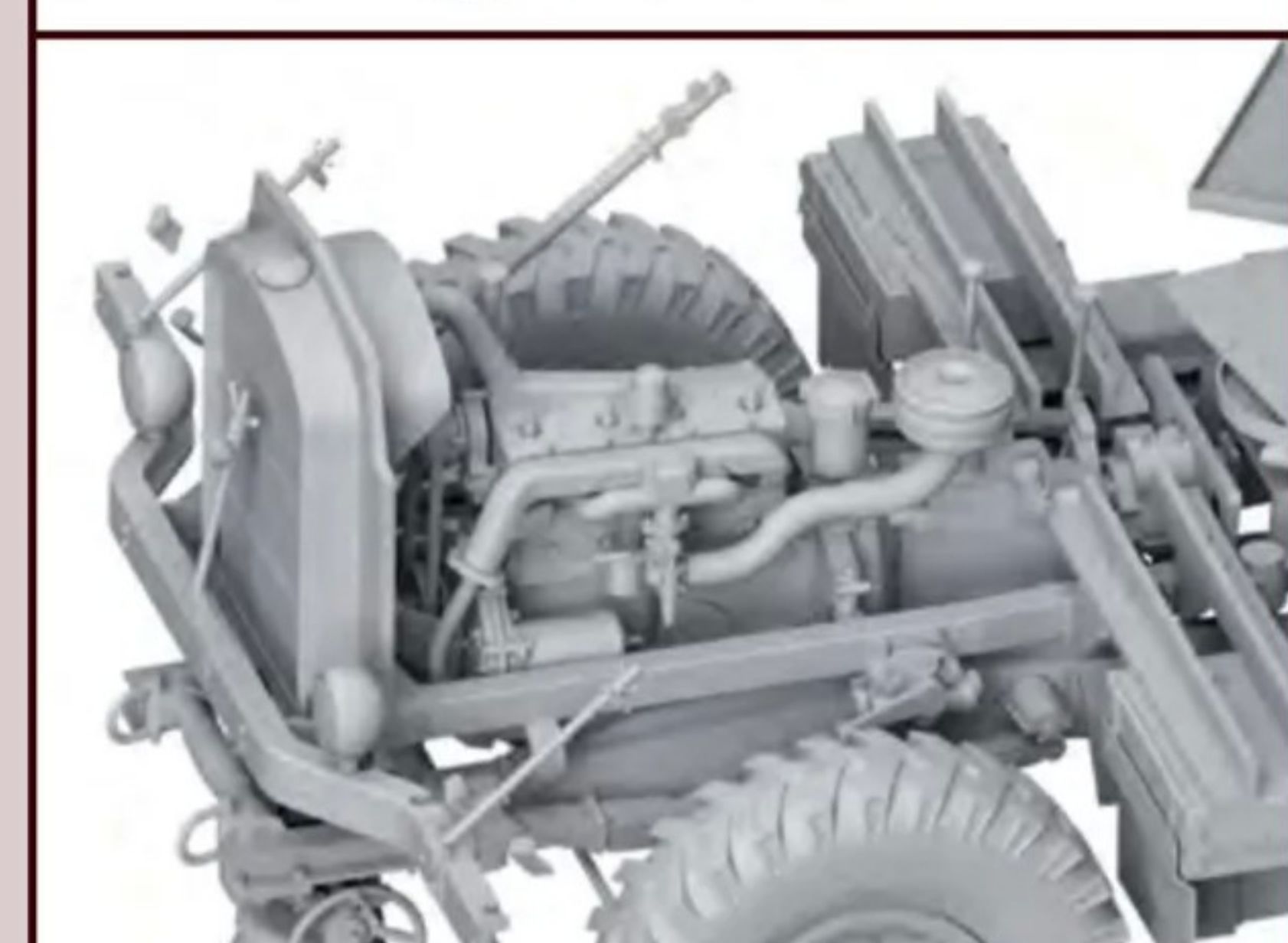
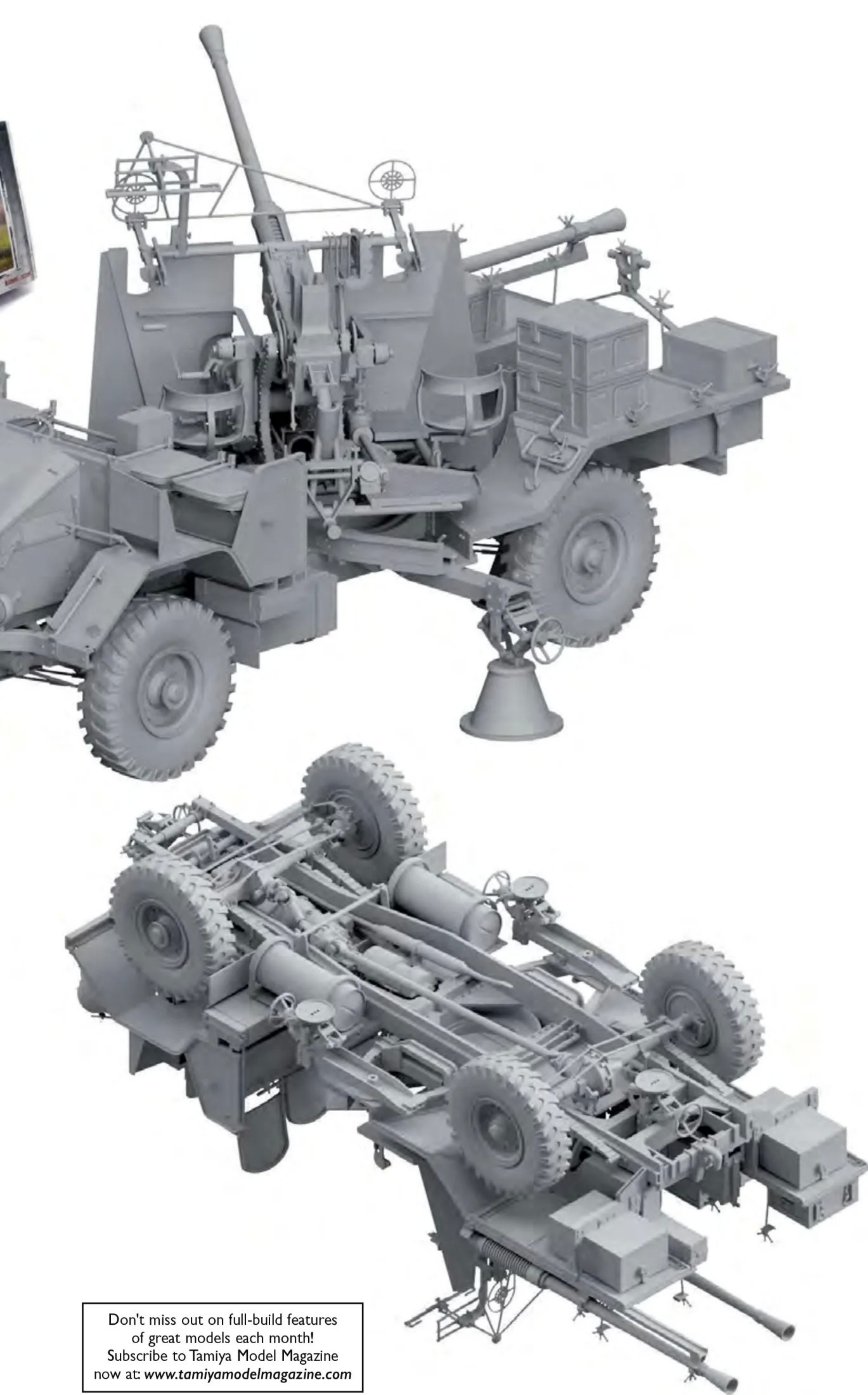
To use that hackneyed model-review phrase, the Bofors is 'a kit all to itself', to the extent that we believe it will be issued on its own at a later date. Here, we have an extremely thorough depiction of this famous 40mm AA gun, from the operators' platform to the barrel's tip. It all looks fantastic and you will be able to see a fully detailed, step-by-step article on its construction soon in Tamiya Model Magazine! ●



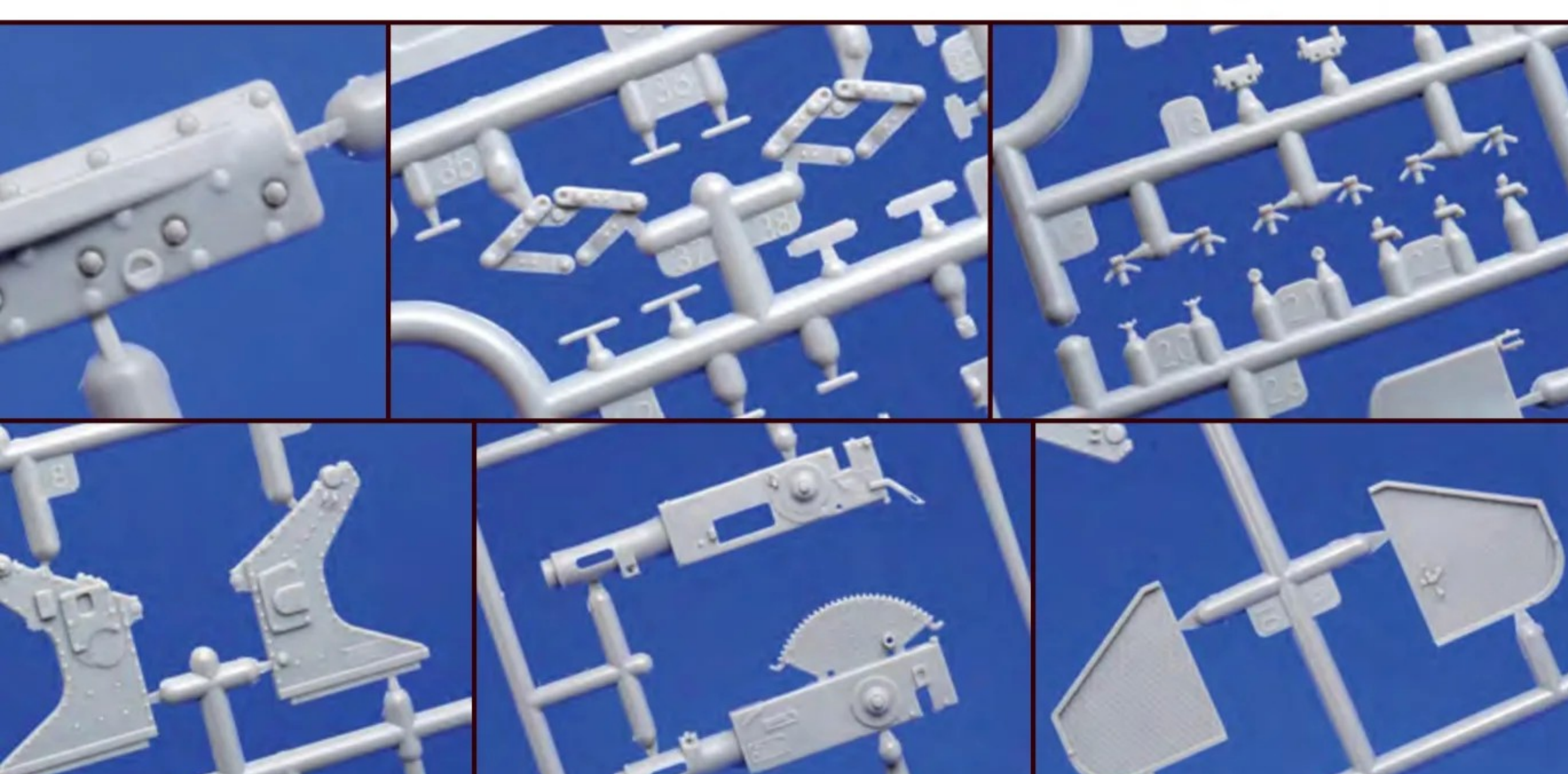
Availability;

Thunder Models kits are widely available from good model shops and online. UK import and distribution by Albion Alloys; www.albionhobbies.com
Email: sales@albionalloys.co.uk





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New Releases

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

What's in the box?

AD; ACETATE DIALS, AP; ACRYLIC PAINT, CC; CAST CERAMIC (PLASTER), CMA; CAST METAL ALLOY, CP; CHROMED PARTS, CPS; CLEAR PLASTIC SHEET, DT; DRY TRANSFER (DECALS), EM: ELECTRIC MOTOR EPS; EXTRUDED PLASTIC, MR; METAL ROD, MT; METAL TUBING, MW; METAL WIRE, NM; NYLON MESH, PB; PAINT BRUSH, PCM; PRE-CUT MASKS, PE; PHOTO ETCH, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAINT BRUSH



AIRFIX, UK

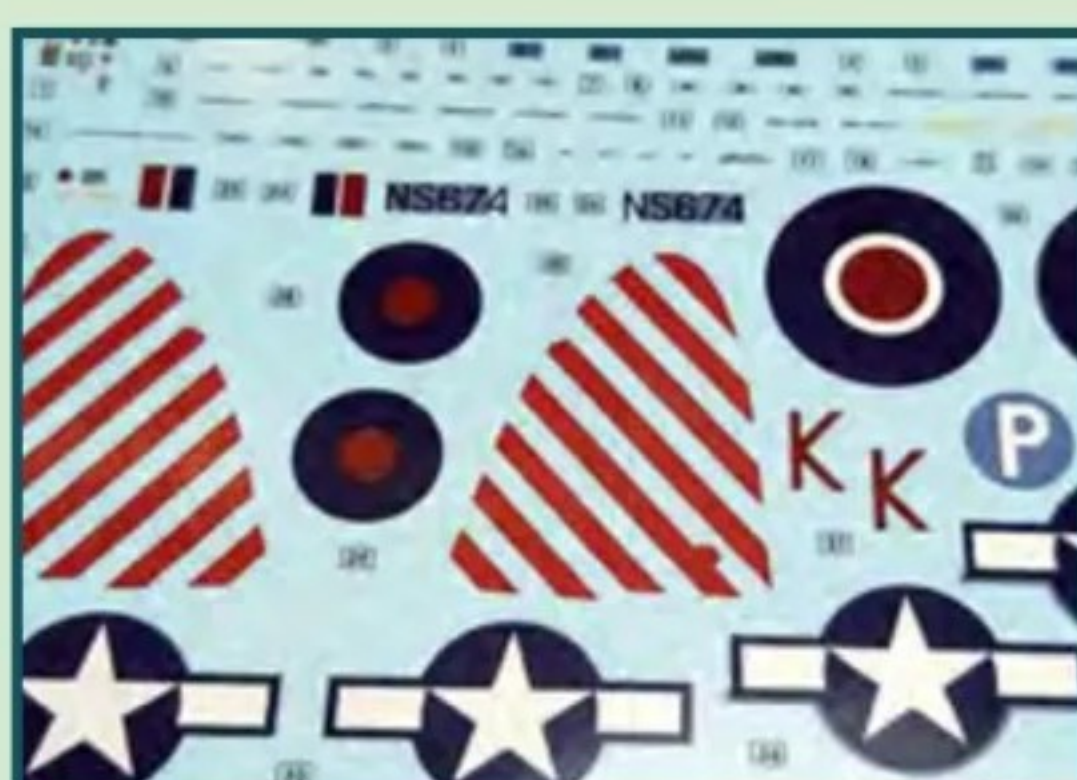
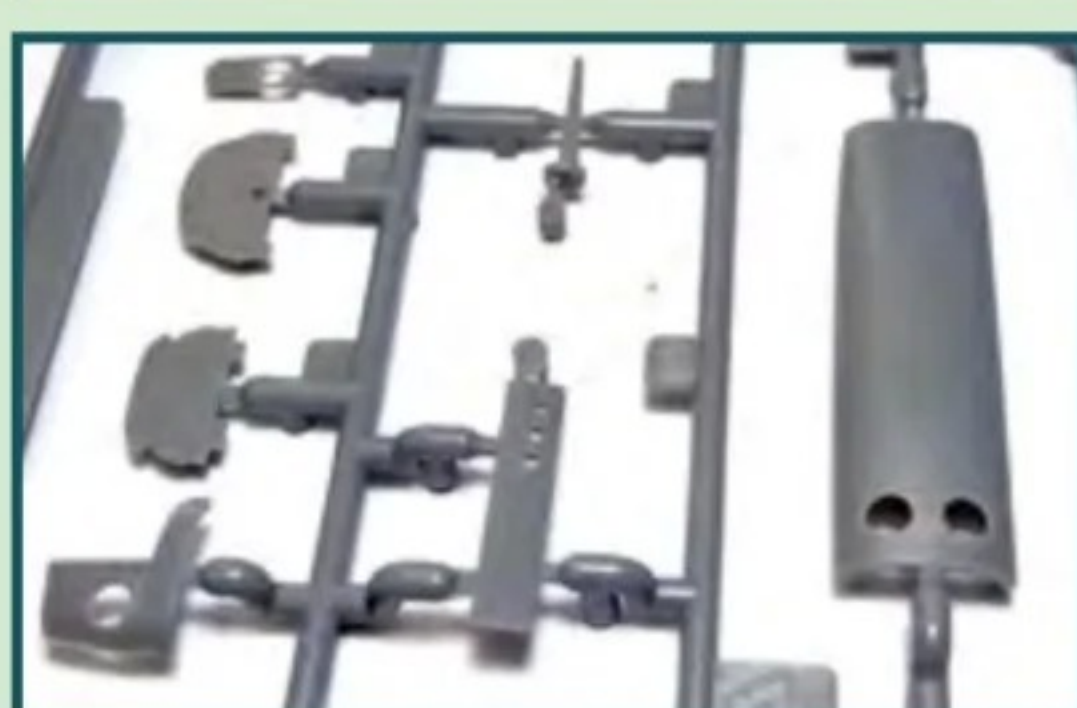
DE HAVILLAND MOSQUITO PR.XVI

www.airfix.com

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.A04065

The iconic Mosquito, in its bomber, fighter bomber and photo reconnaissance roles was one of the first multirole aircraft that saw combat in WW2. Its speed and movability proved very successful against the German Luftwaffe and ground targets. It was unusual in that it was constructed mostly of wood; its lightweight construction made it the fastest operational aircraft in the world at that time. The Mosquito flew with the RAF plus other air forces around the world. Airfix first released their new tool 1:72 Mosquito in 2021 as the bomber version, the B.XVI. It was the first mainstream two stage Merlin version of the aircraft in this scale apart from the ancient Matchbox kit and resin conversions. This new reboxing was released this year, with new parts for the PR XVI version. It comes with some lovely box artwork, familiar with recent Airfix releases. Inside are six sprues in dark grey plastic and one clear, which are much better than the overly thin plastic of past kits. Detail is very good with fine panel lines on the control surfaces. The interior has a nice level of detail especially in this scale as well as the undercarriage with the tyres having lovely moulded treads. The new parts consist of closed bomb bay doors with two clear camera ports, a jig which helps you accurately drill holes in the lower fuselage for the formation lights plus extra camera ports in the rear fuselage and a new canopy with an astrodome. A lovely kit from Airfix with lots of fine detail. **RM**

- + Great detail with two interesting colour schemes representing the PR version.
- Just needs seat belts to improve the cockpit



DRAGON, CHINA

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www.hobbyco.net

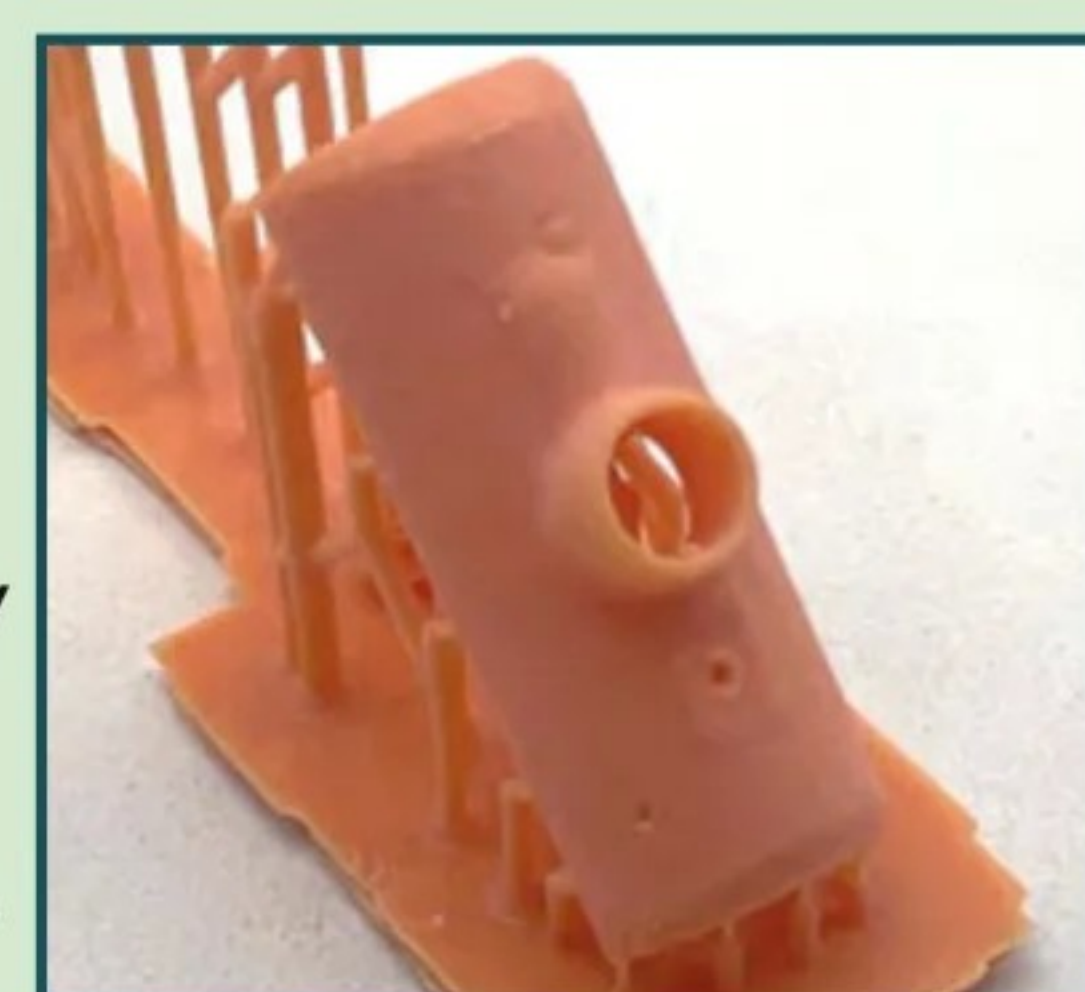
SCALE: 1:35

MATERIALS: IM, PE, R, WS

ITEM NO.6965

There is no shortage of Panther kits on the market, but this release, based on the earlier 2002 vintage ausf.D Panther, is really noteworthy. The base kit, although two decades old, is excellent and has been improved successively. This new kit from Dragon takes a further step by offering some distinct features. First, the tracks have been replaced with superb Magic Tracks, which are individual links, not on sprues, and beautifully moulded. The key feature of this kit is the Zimmerit coating on the hull and turret, this being very finely reproduced. Zimmerit was added in September 1943, giving a timeframe for this vehicle. Possibly this Zimmerit texture is too uniform and not rough enough, but the effect is very impressive. Of course, the kit also provides the extra antenna bases for the Befehls (command) version, and one of these is provided as a 3D print. The same print process is used to provide new sprocket hubs. The kit further adds etched brass mesh screens and etched steel Schürzen (bazooka plates). As a result, this multi-media kit provides everything needed for a superb build right out of the box, with no aftermarket required. In summary, this is nicely upgraded kit of a command Panther. **CLS**

- + A superb build right out of the box
- Zimmerit texture is too uniform and not rough enough



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



EDUARD, CZECH REPUBLIC Bf 109E-3

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

SCALE: 1:72 • MATERIALS: IM, PE, PCM, WS • ITEM NO.7032

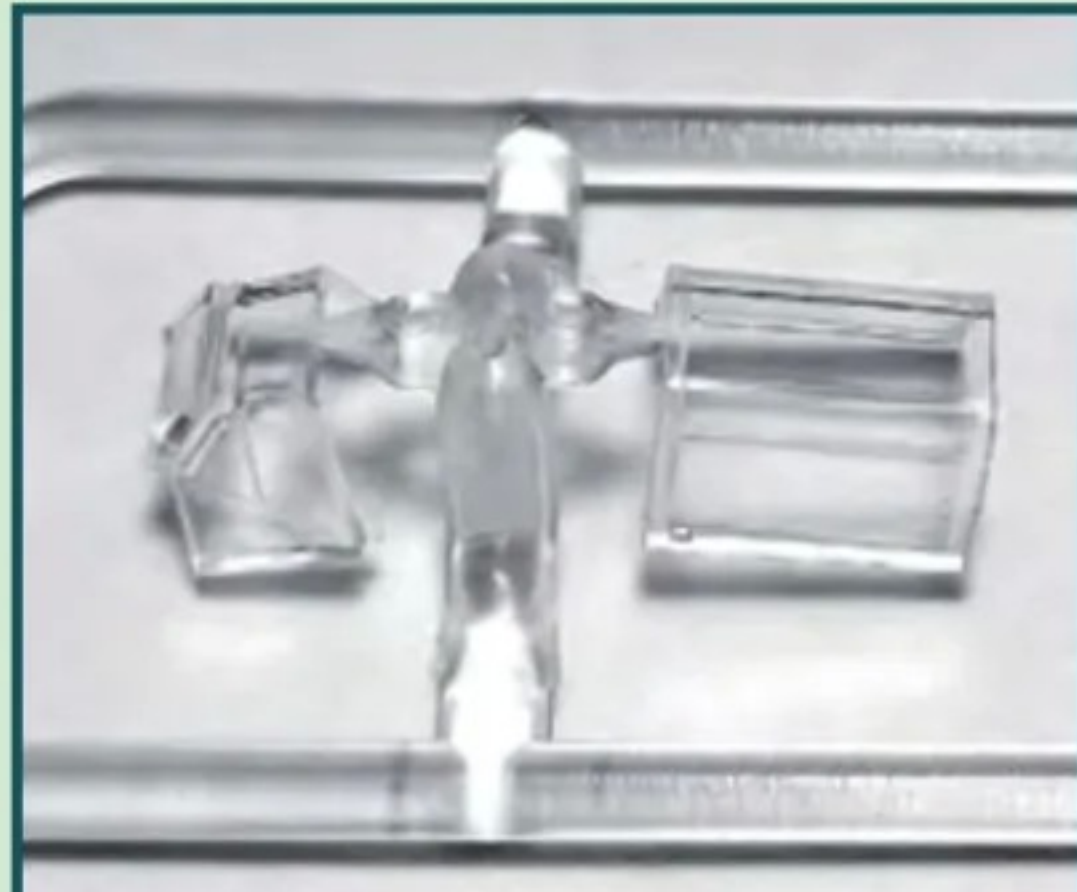
Eduard's Bf 109 E-3 was originally released in 2020 by special hobby as an E-4. After various releases of different versions of this aircraft by this manufacturer, Eduard came out with their "Dual Combo" using this kit as a basis, using the different versions of the 109 including the E-4, E-3 and E-1. This "ProfiPACK" release depicts the E-3 version. As you would expect from Eduard, the box contains all the goodies you get from this boxing. You get two sprues of light grey plastic and one clear, the surface detail is very refined for a model of this scale. Cockpit detail is amazing and can be enhanced even further using the photo etch sheet, which gives you the option of using this medium for the instrument panel, rudder pedals and sidewall detail. In addition, you get a very well detailed engine, plus its bearers if you want to pose the aircraft with cowling open. The wheel wells are well detailed but can be further enhanced by photo etch, undercarriage and the wheels themselves both look good. The ailerons and flaps can be posed either up or down. Clear parts are crisp and well moulded with no imperfections. As with this ProfiPACK release, the instruction booklet is 16 pages long, starting off with a short history of the early 109's, paint call outs use Gunze Aqueous, Mr Colour and Mission models. There are five decal choices covering E-3's between 1939-1940. This is a great little kit with bags of detail and interesting decal choices, enhanced by photo etch and paint masks. **RM**



A classic Luftwaffe subject with bags of detail



Nothing bad leaps out



EDUARD, CZECH REPUBLIC P-51D-10 Mustang

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

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.84184

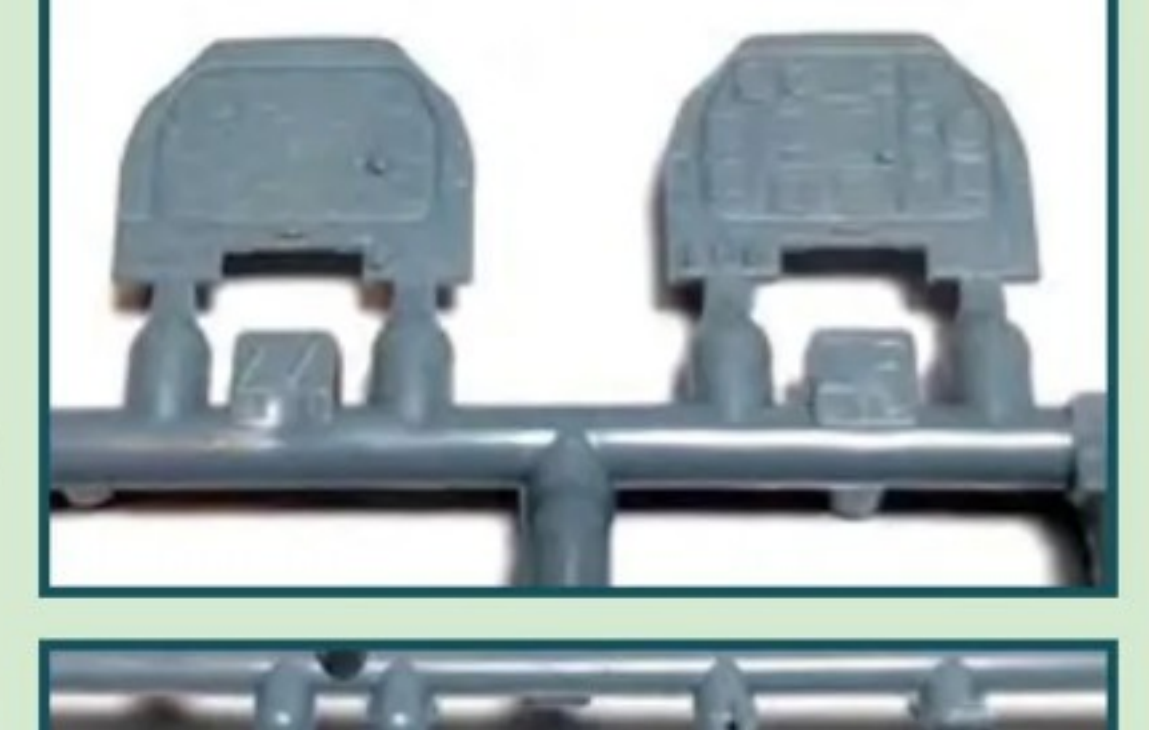
The iconic P51 mustang first flew in October 1940, the first variants of the aircraft used the Allison engine. This powerplant had its limitations, especially at high-altitude. The decision to replace this engine with the well proven Rolls-Royce Merlin transformed the aircraft's performance and cemented its place in aviation history. The definitive version, the P-51D was powered by the Packard Merlin, a two stage-supercharged engine. It went on to see action not only in WW2 but also in Korea until jet fighters took over the roll as the main fighter of the USAF. This amazing aircraft remained in service with some air forces until the early 1980's. Eduard originally released the P-51D as a new tool in 2019. Since then, this kit has enjoyed various releases in either their ProfiPACK or in this case their Weekend Edition. As is standard with this type of release, you just get the basic kit and a decal sheet, but with these latest "weekend" releases you do get more decal options, four in total. Upon opening the box, you are greeted with five sprues of grey plastic and one clear. Moulding quality is very good with recessed panel lines and rivet detail. The parts breakdown is quite conventional and will go together nicely without any surprises, just be careful to choose the correct option for this version, namely, a specific canopy and a later production fin fillet. Decal options are for four machines that flew with the 8th Airforce based in Great Britain. This will be another welcome release of Eduard's P-51 that can be embellished with plenty of aftermarket options if you require more detail. **RM**



Beautifully detailed with a nice selection of decal options



Nothing to complain about here!



New Releases

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

Kit Reviews



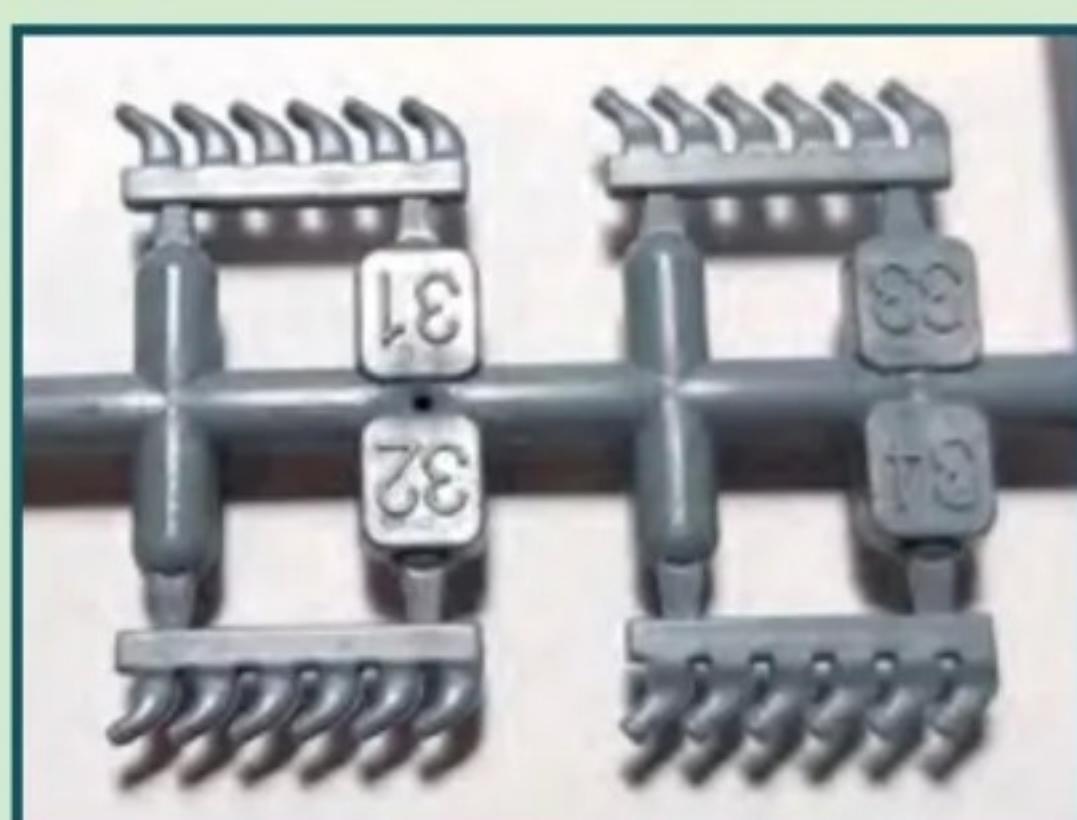
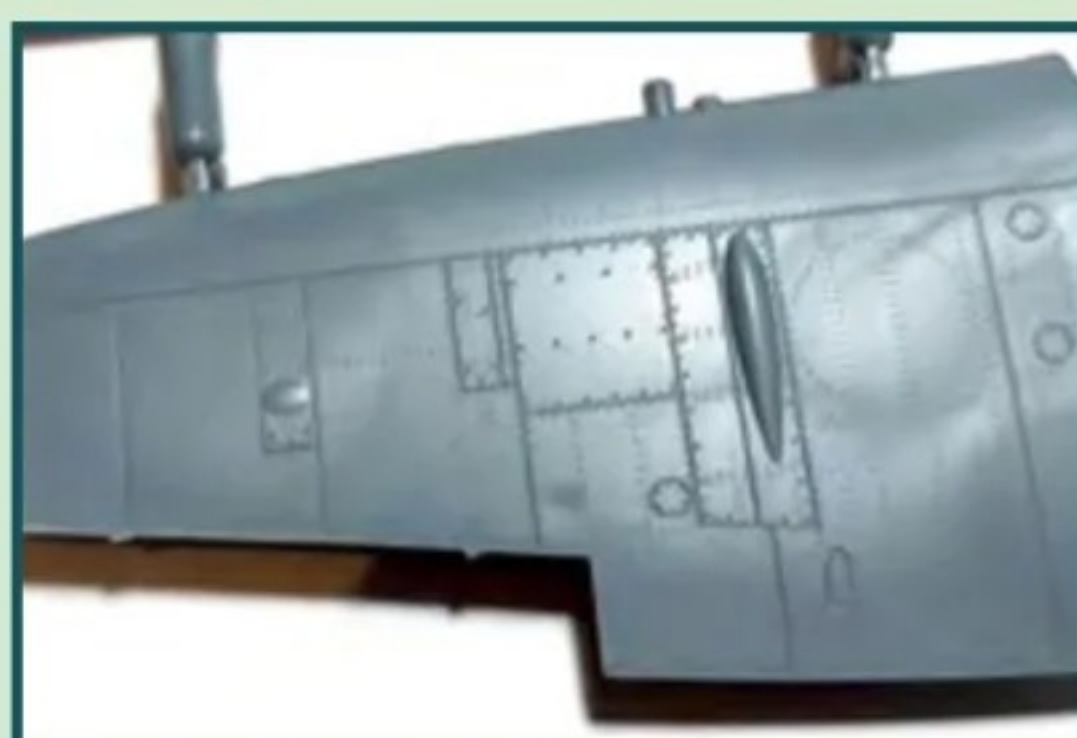
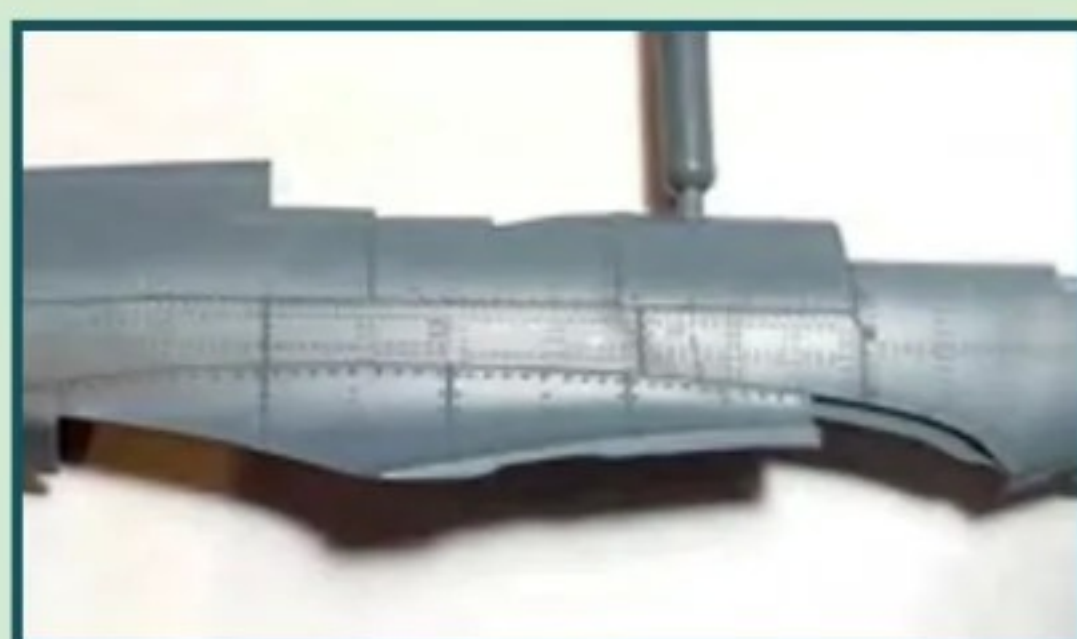
EDUARD, CZECH REPUBLIC SPITFIRE Mk. IXc

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

SCALE: 1:72 • MATERIALS: IM, WS • ITEM NO.7466

The Supermarine Spitfire is probably the most famous British fighter of the second world war, if not of all time. With its

elliptical wings and sleek shape, it was fast and manoeuvrable and was more than a match for its German counterpart the BF-109 in the battle of Britain. The Spitfire stayed in production for the entire duration of the war and after, the last aircraft, the Mk 24 coming off the production line in 1948. The Mk IX version that this kit depicts was created as an opponent to the Focke-Wulf Fw-190 and went into production in late 1941. Eduard first released the Spitfire Mk IXc in 2016 in its ProfiPACK boxing. It has been re-released with various boxings containing, either new parts or decals. This latest boxing is Eduard's Weekend Edition, which is just the basic kit and a decal sheet. In the box you are greeted with five sprues of grey plastic and clear sprue. The kit's surfaces are stunning, with fine panel line and rivet detail. Cockpit detail is amazing, especially in this scale. As it's the weekend edition you just get a decal for the instrument panel. Seatbelts are also decals but are very convincing. Sidewall detail are inserts and have been faithfully reproduced. Also supplied are separate ailerons and rudder, the undercarriage is a basic affair but looks the part, tyres are in two halves and could benefit from a resin aftermarket set. The clear parts have an open or closed option and are nicely moulded. Decal sheet includes markings for no less than four aircraft. A great kit and great value for money. **RM**



+ A beautifully detailed kit of an iconic aircraft

- Would benefit from resin wheels



ITALERI, ITALY SLC MAIALE

www.hobbyco.net

SCALE: 1:35

MATERIALS: IM, PE, WS

ITEM NO.5621

The Italian Navy (Regia Marina) worked on a guided torpedo, which seated two crew and could be steered into an enemy harbour for detonation under the keel of a target warship. This unique device was the Siluro a Lenta Corsa (slow-running torpedo), soon nicknamed the Maiale (Pig) by its operators. These weapons had a range up to 15 miles, but obviously were a great risk to the crew, and recovery of the men after the raid was extremely difficult. Around 50 Maiale were constructed, beginning in 1939, and the Italians managed to damage several ships in Alexandria harbour. This experience led the British to develop their own 'chariots' which were used very effectively. This kit from Italeri is extremely detailed and a significant etched brass set provides all the fine parts. The kit offers two alternative warheads, the normal and the extended version. The kit was originally released in 2007, but this new outing has additional parts in the form of two seated crew to ride the Pig for an in-action presentation. Alternatively, a realistic support base is provided to show the machine on land. These Maiale were painted dark green and Italeri provide decals for three different units, plus decals for the instrument panel. **CLS**

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+ An extremely detailed model with fine parts and a crew of two

- Very fine wire or rigging material is needed for the control surfaces



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LIMITED EDITION ARNO XI

Item 1610



FERRARI TIMOSSO RACER

1:8
scale

Length 79 cm.

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

CIWL Orient Express of 1929

SLEEPING CAR N°3533 LX

Item 1714/01



1:32
scale Length 73 cm.

Carriage frame and bogies in photoetched brass and pressure die-cast fittings, pre-cut acetate windows, decals sheet and adhesive strips, walnut and lime wooden strips for boiserie, laser cut walls made in birch plywood, fine paper to reproduce wall cover and seats set fabric, 6 technical plans, 2 color sheets and building instructions in two volumes.

Item 1614

Plank on frame

Wooden decks

2266 photoetched parts included

16 plywood laser sheets

Building instructions in

2 colour volumes

GERMAN BATTLESHIP BISMARCK

Kriegsmarine 1941



Length 127 cm.
Height 29.2 cm.
Width 18.2 cm.

1:200
scale

FULL-BUILD: CIVILIAN AUTOMOBILE
REVELL 1:24 TRABANT 601S ● KIT NO.7334 (ORIGINAL RELEASE)

RAD TRABBI

Kris Hoekstra slams Revell's 1:24 Trabant 601S giving it a cool new look!





After a long time sitting in my stash, it was time to build this cool Revell Trabant 601S. This later version has an engine and opening bonnet and boot, but the older version is a one-piece body (if I remember correctly). The kit is pretty detailed, but also got a lot of mould lines on the parts. ▶

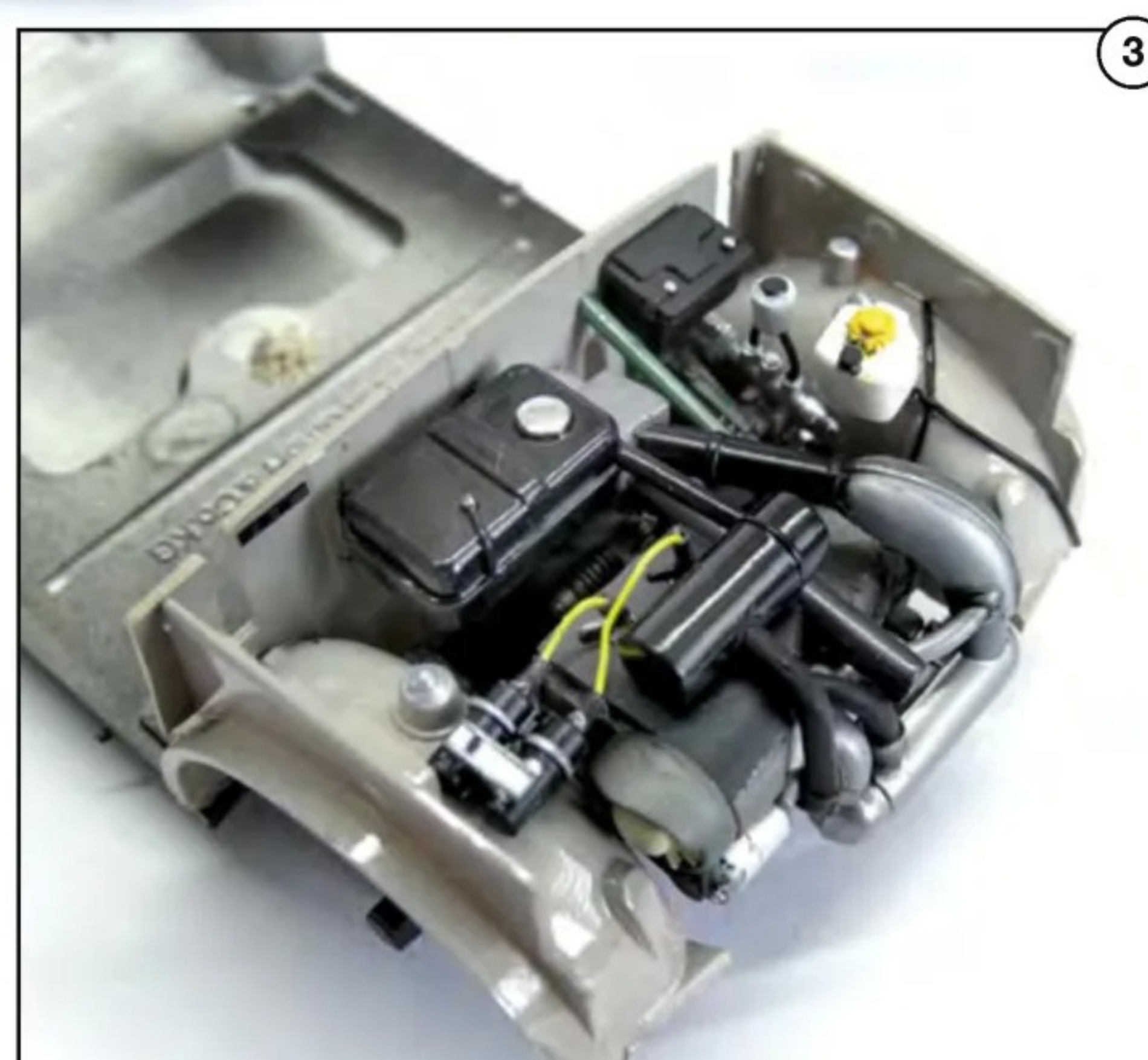
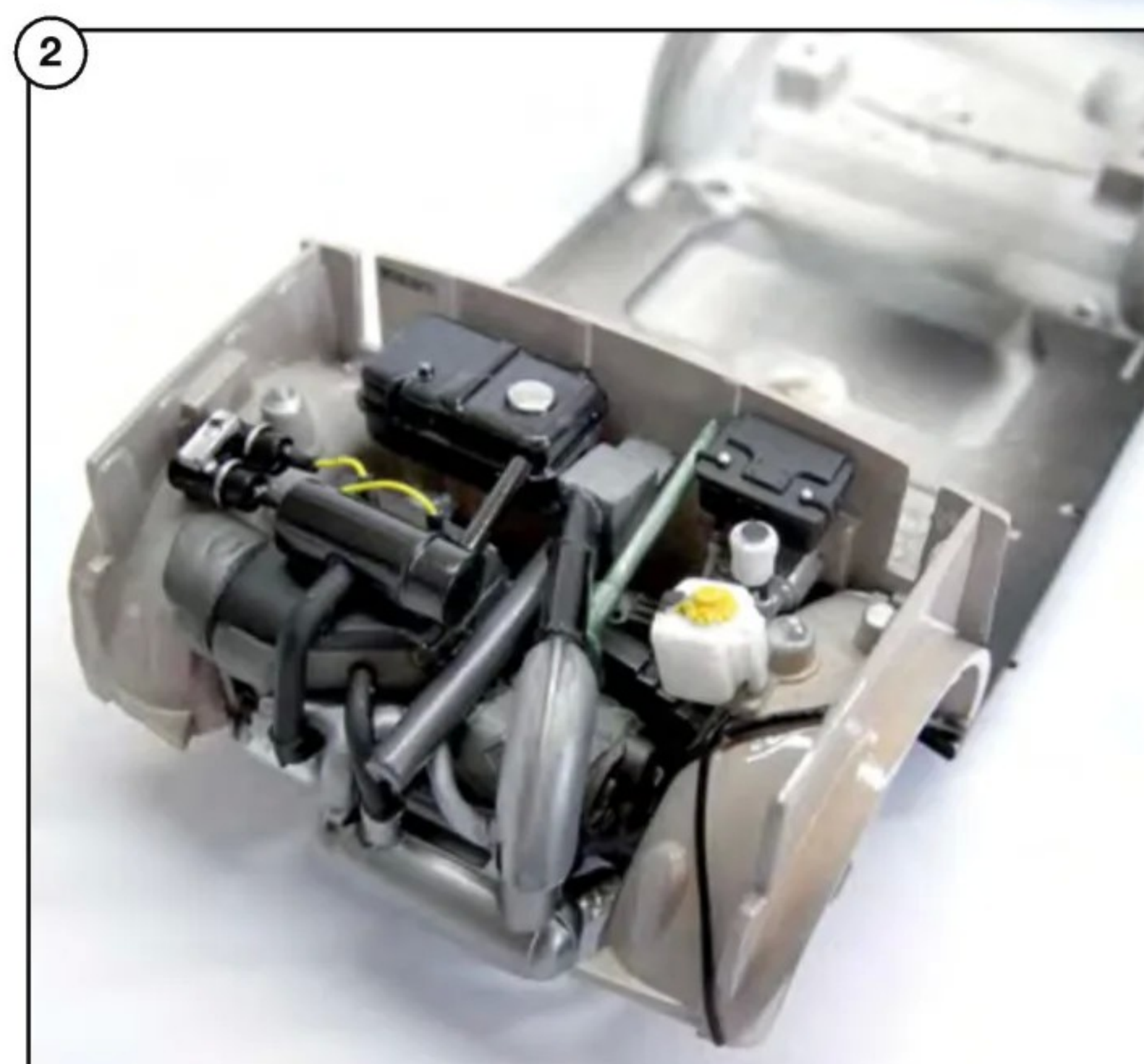
FULL-BUILD: CIVILIAN AUTOMOBILE

REVELL 1:24 TRABANT 601S ● KIT NO.7334 (ORIGINAL RELEASE)

❶ I started with the body, as this is the most time consuming part. I sanded the body and added a bit of styrene on the trunk as it was too small and leaves a big gap. After smoothing the mould lines and scribing out the panel lines it was time to paint the body. I used Zero Paints Grey Primer and VW Beigegrau (pic 1) with a white roof. After that I used Mipa 2K clear-coat for the nice gloss finish.

While the body was drying, I could start on the interior, chassis and engine. The little two stroke engine was assembled and fitted into the engine bay. I added a few wires for spark plugs etc (pics 2, 3). The chassis needed a good lowering for the new Fujimi RH Cup wheels (pics 4, 5) and it wasn't an easy job. I removed a few parts and glued some together to make sure the wheels fitted in the lowest position (pic 6). I needed to modify the exhaust too, as it was the lowest part and didn't fit anymore. I made a side exhaust instead, as this looks a bit cooler.

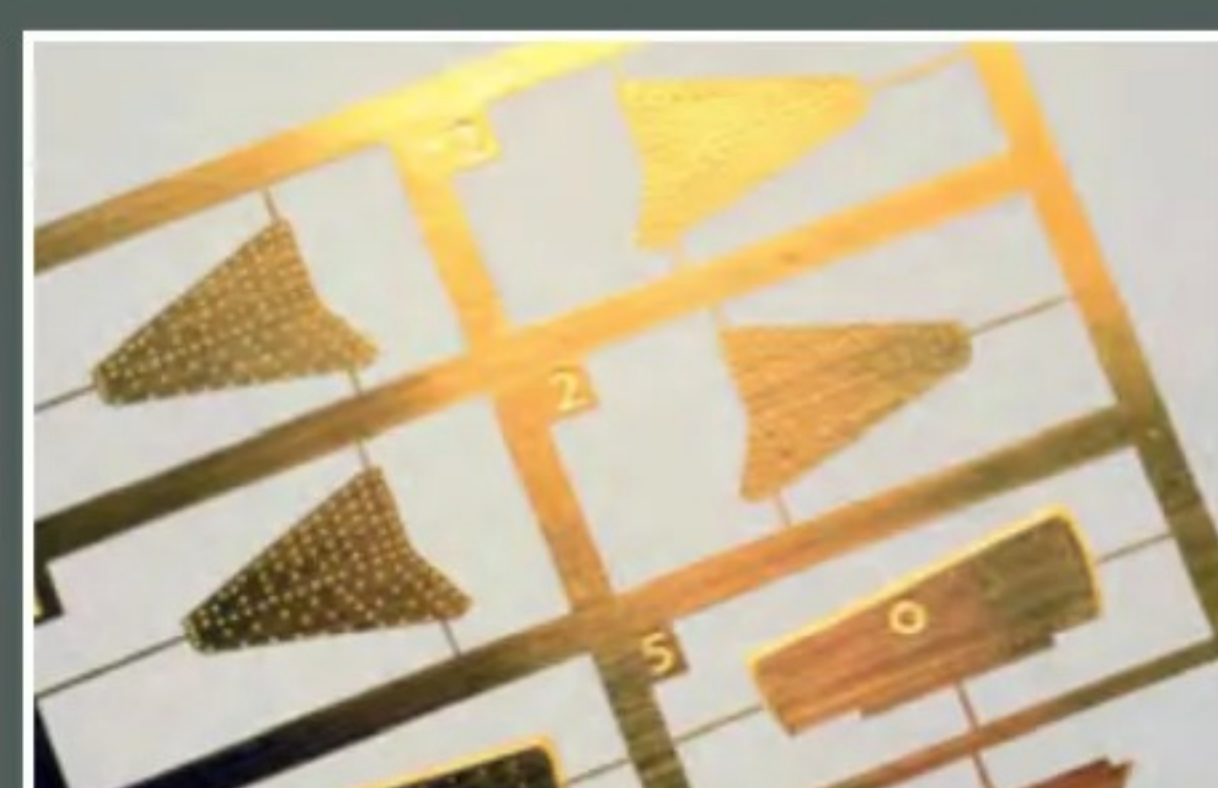
The interior for the Trabant is very simple. I didn't like the seats or steering wheel (pic 7), so I replaced the former for a set from a Nissan Skyline. The door panels were painted in body colour and masked off to paint the inner parts in a nice brown from Vallejo. (pic 8). I also applied checkered upholstery decals to the seats for a retro look. The carpet was created with a dark brown interior flocking from USCP (pic 9).



MINI REVIEW...

HYPERSONIC MODELS 1:48 F-4 PHANTOM STABILATOR UPGRADE SET (HMR48052) FOR TAMIYA
www.hypersonicmodels.com

Tamiya's recent 1:48 F-4 Phantom II kit is a wonderful production, but with any kit, small improvements can always be made. Here, Hypersonic Models have provided resin and photo-etched brass parts to gently but effectively enhance the 'stabilator' hinges of the model, adding a more three-dimensional and mechanical-looking effect. A sheet of self-adhesive masks is provided to act as a template when positioning the brass guide rails, an excellent touch. Detailed instructions are massive help for anyone using this upgrade.





4



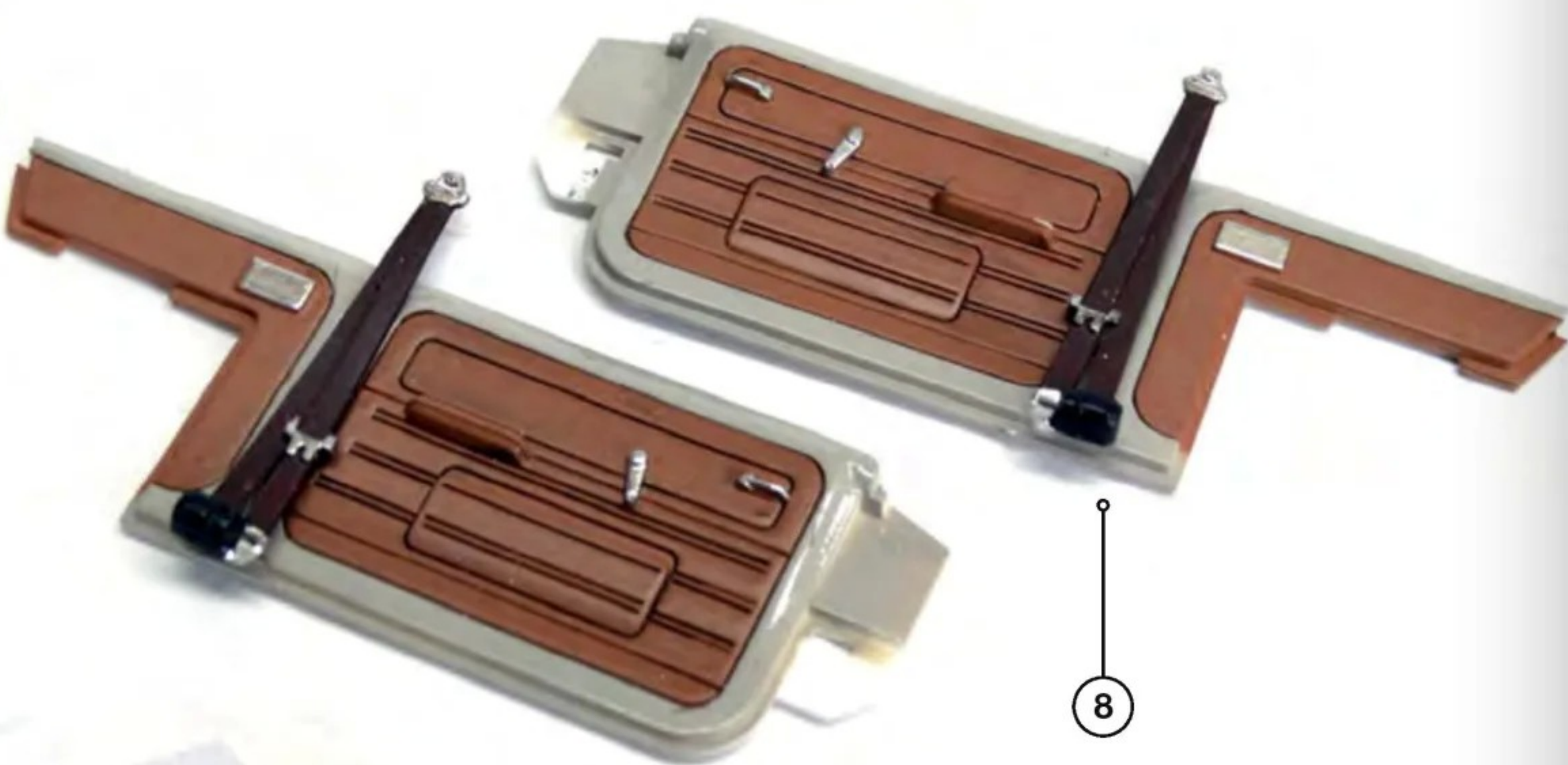
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The moulded seatbelts didn't look too bad at all so I used them. After assembling the interior I could fix it to the chassis. So far everything fitted very well. Now the body paint had hardened, noticed there were a few dust spots in the clear-coat that needed to be polished out. I started to sand the body with 3M sanding pads grit #2000 followed by #3000 #6000 and #8000. The most spots were now removed, but the paint was now very dull after sanding. To bring back the nice shine, I used a four-step polishing compound set from Menzerna. With a rotary tool and three grades of polishing pad I started to polish the paint back to its original shine, or even better. ▶

6



7



8



9

“Everything still fitted pretty well for an older kit (first released in 1990)...”

FULL-BUILD: CIVILIAN AUTOMOBILE

REVELL 1:24 TRABANT 601S ● KIT NO.7334 (ORIGINAL RELEASE)

- ❶ I trimmed and smoothed out the bumpers for a better look.

All window trims were painted and I installed the clear parts. A few decals were applied to the windows. Now the chassis and interior were mounted on the body. Everything still fitted pretty well for an older kit (first released in 1990). Now the model was almost complete I installed the last few components like the mirror and number-plates etc. I really enjoyed this simple kit. Everything fitted well and most of the parts are nicely detailed. I built this kit with a nice photo of a real Trabant with the same wheels, which was my inspiration. I even liked this model so much I also bought a wagon version of it! ●

TECHSPEC...

REVELL 1:24 TRABANT 601S
KIT NO.7334 (ORIGINAL RELEASE)

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

Zero Paints: Grey Primer and VW Beige-grau

Availability:

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

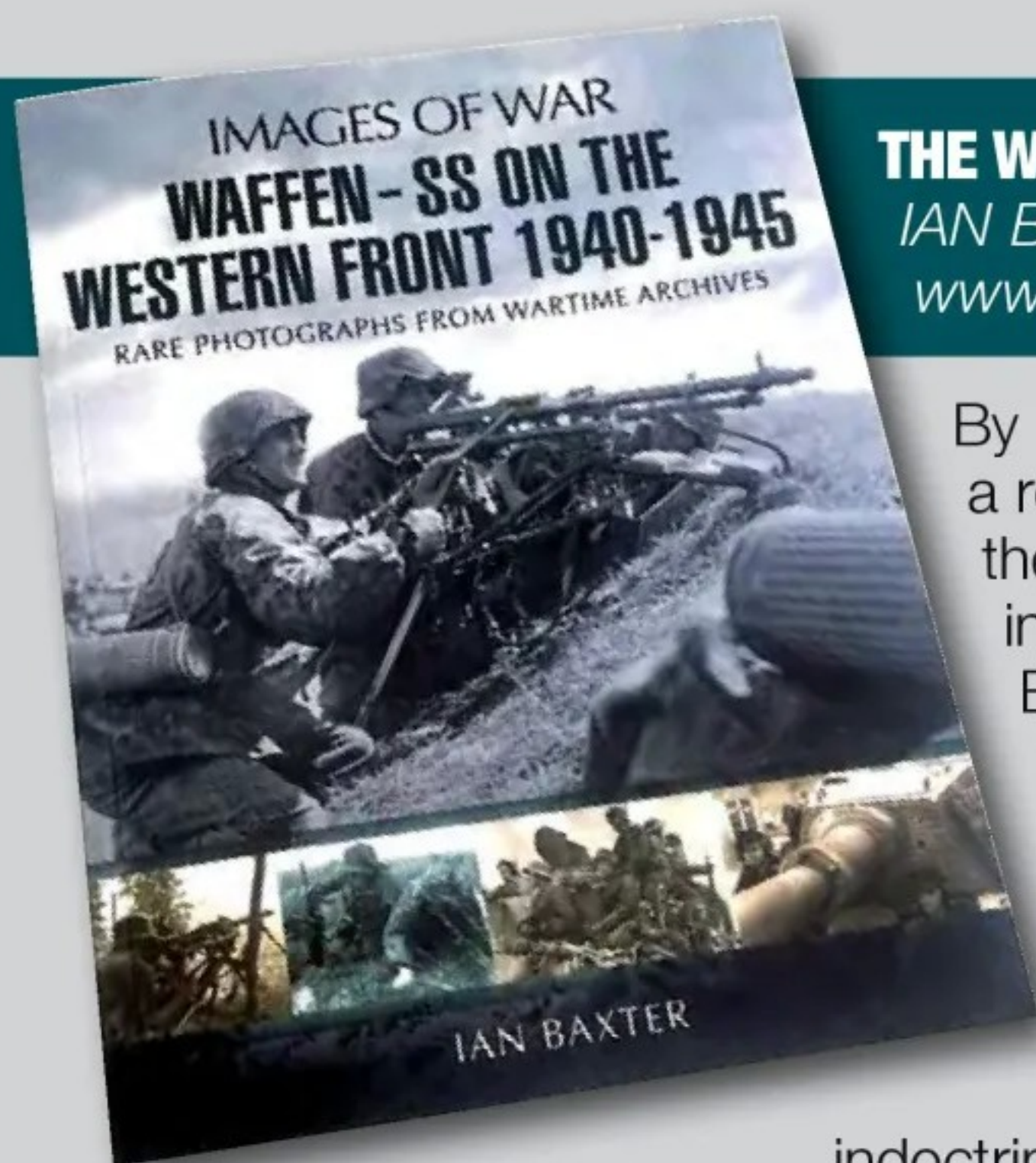


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Book Reviews

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THE WAFFEN-SS ON THE WESTERN FRONT 1940-1945, IMAGES OF WAR SERIES

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

By concentrating on the Western Front, the author has been able to focus on a relatively small number of Waffen-SS units, and has succeeded in illustrating the soldiers, the weapons and the environment. This book effectively falls into two halves, the first covering the fighting from 1940 to 1941, in France, Belgium, the Netherlands and then in the Balkan countries. The second half of the book picks up with the Normandy landings in 1944, through to the Allied victory in 1945. The 144-page soft-back book has a few pages of very well written text, but the bulk of the book consists of photos with great captions. Indeed, the captions are generally very accurate and identify vehicles and weapons correctly (only one mistake noticed!). The text in the book does not shy away from the savagery of the fighting, the

indoctrinated brutality of the SS soldiers, and the atrocities committed time and again throughout the war. The book offers some interesting sequences of photos which provide a lot of detail, but most of the pictures are individual shots, providing a wide spread of coverage of events. The photos are almost entirely 'new', with only a few appearing in other publications. The reproduction of the images is good, given the very slightly fuzzy appearance of photography in the field in the 1940's. Overall, this publication gives an accurate and balanced account of the Waffen-SS units in Western Europe, without glorifying the SS or ignoring their brutality. An excellent factual account. **CLS**



JUNKERS JU88 DAY AND NIGHTFIGHTERS, DEVELOPMENT, EQUIPMENT, OPERATIONS 1940-1945

CHRIS GOSS, MARTIN STREETLY
CRÉCY PUBLISHING LTD www.crecy.co.uk

This is the third volume in Crécý's definitive study on the WW2 German Junkers Ju88 bomber and it runs to 224+ pages within its hardbound covers, bringing us a very thorough look at the ubiquitous twin-engine 'schnellbomber'. With an image-lead approach, the book covers every conceivable element of the Ju88's design and deployment and years of research by leading Luftwaffe historians have gone into its production.

The book is full of hundreds of rare photos, colour artwork and technical drawings that describe the radar and electronics, engines, airframes, weaponry and more. To use that old but true cliché, it's a 'visual feast'! Very highly recommended for Luftwaffe buffs and modellers alike. **TMMI**



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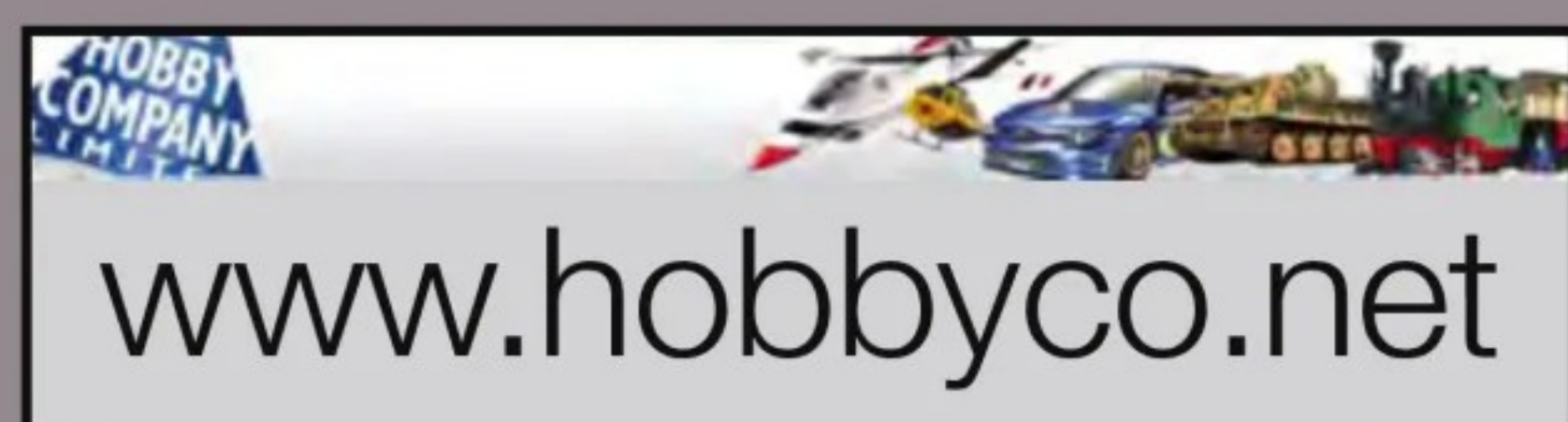


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● QUICKBOOST

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NEXT ISSUE

The next issue of TMMI is August 2023 (No.334), on sale 20th July



OPERATION CHASTISE

Border Model's incredible 1:32 Lancaster in a jaw-dropping Dambusters diorama



COIN-OPS

ICM's stunning 1:48 B-26K Counter-Invader in Vietnam War colours



OLIVER'S ARMY

Tamiya's classic 1:35 Cromwell tank gets covered in camo netting

...AND MUCH MORE, OF COURSE!

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

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The Editor's Page...

Fabulous displays at Shizuoka

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A GATHERING OF CREATIVITY IN JAPAN!

I had a busy, tiring, but very rewarding time at this year's Shizuoka Hobby Show and you'll have seen the first part of my report this issue. Next month though, my second report covers the real fun part of the event, when modellers from all over Japan and beyond gather to show off their extraordinarily creative output in the vast second hall of Shizuoka's 'Twin Messe' venue. For now, here's a tiny selection photos showing some of the models I saw, much more next issue! ●

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EDITOR'S CHOICE

YELLOW SUBMARINE GACHA SINGLE TECHNICS TURNTABLE

Of all the neat things I acquired on my trip to Japan in May, I think this little replica of a Technics SL1200 turntable (for the princely sum of around £3.80) is the coolest! I'm not sure of the scale, but it's nicely detailed and will make a nice companion for my real one! I bought it at Yellow Submarine, naturally, in the Akihabara district of Tokyo. www.yellowsubmarine.co.jp (and search online)





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BEL021

■ HYUNDAI i20 COUPE WRC MONTE CARLO



1:24
SCALE

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Belkits all-new 1:24 Hyundai i20 Coupe WRC models have arrived!



BEL014

■ HYUNDAI i20 COUPE WRC 2019 NEUVILLE



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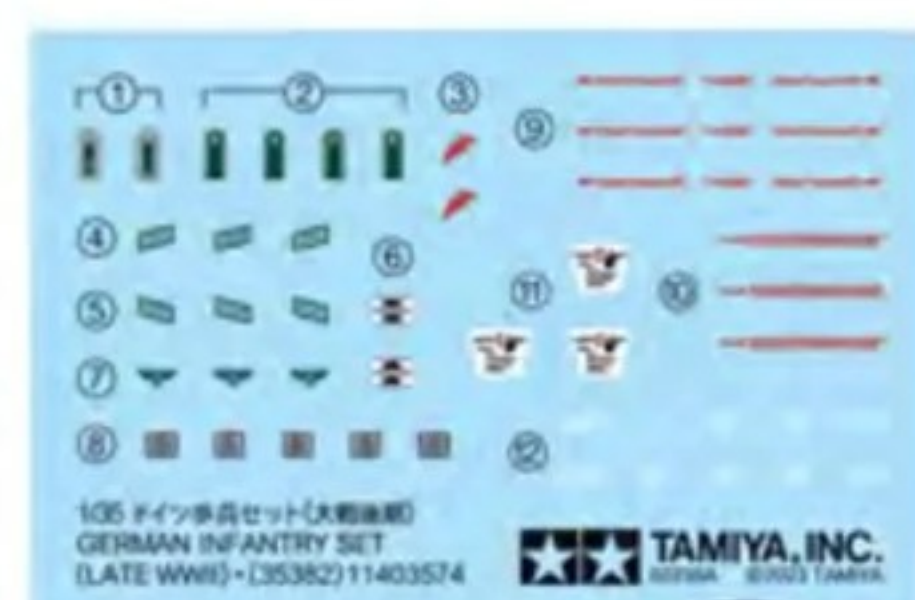
AFV model is sold separately.

Infantry to the Front!

1/35 Military Miniature Series

German Infantry Set (Late WWII) (Item 35382)

This detailed figure assembly kit set recreates German infantry from the latter stages of WWII, when German fortunes had begun to wane. Soldiers are artfully recreated in 1/35 scale, with the basic late-war uniforms including camouflaged ponchos. Ingenious parts breakdowns ensure a really satisfying end result while keeping the paint job relatively simple for modelers, and there are plenty of accessories in the kit to add even further life to your creations. Why not pair them with our new Panzer IV/70(A), or another model from our range of late WWII German vehicle kits, making your own dramatic diorama?



Insignia decals are included.

Actual size ▶



★Choose helmet or cap for NCO figure.

★Choose mine or stick grenade for this soldier.

★Accessories fit naturally to the figure contours.

Main Tamiya Colors

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- XF-65 Field grey ●XF-57/LP-75 Buff
- XF-15/LP-66 Flat flesh

★A wide variety of accessories will liven up your creation!



1/35 German Panzer IV/70(A)
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★Images show assembled and painted kit.
★Products may vary from images shown.

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



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